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Contract for Type A, Type C and Type D School Buses and Optional Equipment

THIS CONTRACT FOR TYPE A, TYPE C AND TYPE D SCHOOL BUSES AND OPTIONAL EQUIPMENT, BID NO: ITB 2020-16, by and between the department, 325 West Gaines, Suite 834, Tallahassee, Florida 32399-0400, and

MATTHEWS BUS ALLIANCE, INC., the contractor, a for-profit corporation registered in Florida, each referred to herein as "Party," and collectively referred to as the "Parties."

WITNESSETH:

WHEREAS, the Department desires to provide eligible users, defined herein, with various Type A, Type C and Type D School Buses and Optional Equipment (defined herein as "Vehicles") through the use of a state term contract pursuant to rule 60A-1.001, F.A.C.; and section 1006.27, F.S., and

WHEREAS, the Department solicited responses to an Invitation to Bid No: ITB 2020-16 (ITB) to prospective contractors of said Vehicles; and

WHEREAS, the contractor responded to the ITB and desires to provide said Vehicles; and, unto each other;

NOW THEREFORE, in consideration of the premises, terms and conditions set forth herein, the Parties execute this contract so same becomes binding and enforceable by and through the Parties and their assigns, and agree heretofore:

SCOPE OF WORK

The intent of these specifications is to set forth and convey to prospective bidders the general type, character, performance and quality of the Vehicles desired by the Department and school districts. The contractor is authorized to provide Vehicles to any and all eligible users in the State of Florida. The Parties agree that the laws and rules that apply to this contract shall be for those applicable to contracts in excess of Category Two, or $35,000, as defined in chapter 287.017, F.S.

Pursuant to Section 7.10 of Bid No: ITB 2020-16, the following documents are hereby incorporated by reference:

- Department contract
- Any addenda to Bid No: ITB 2020-16
- ITB No: 2020-16
- Award Letter
- Contractor's response

IN WITNESS WHEREOF, the Parties hereto have caused this contract For Type A, Type C and Type D School Buses and Optional Equipment, Bid No: ITB 2020-16, to be executed on the dates shown below their respective signatures.

DEPARTMENT

Signature: [Signature]
Print Name: [Print Name]
Title: [Title]
Date: [Date]

CONTRACTOR

Signature: [Signature]
Print name: [Print name]
Title: [Title]
Date: [Date]
Addendum #1

BID NO.: ITB 2020-16

Type A, Type C and Type D School Buses and Optional Equipment

September 19, 2019

This addendum is being issued to provide the Answers to Questions submitted timely by vendors during the Question and Answers period.

Please be advised all questions are keyed as submitted.

Sun State Bus Centers

1. Public opening, will the bid submissions be reviewed and read aloud or otherwise be provided to all bidders?

   ANSWER: The public opening will consist of the reading of the names of the bidders that responded only. All other information will be available via public records request once the information becomes public.

2. Will the Department allow bidders to add lines to the price sheets for additional A/C, engine, warranty and other options as needed?

   ANSWER: Yes.

3. Will the department provide to bidders an editable electronic copy (preferably Word format) of Attachment 10 – Pre-Delivery Inspection Form (2020)?

   ANSWER: Yes.

4. Option for Red Light Above Emergency Door, is this light required to be LED?

   ANSWER: Yes.
1. Please clarify conflicting information pertaining to Renewal terms of this contract. Under 3.0 Intent – the resulting contract may be renewed for up to 3 one year terms. Under 4.25 Extension – The department in its discretion may grant an extension of the contract...in writing for a period not to exceed 6 months and shall be subject to the same terms and conditions set forth in the contract...There shall be only one extension unless failure to meet the criteria set forth in this ITB or resulting contract is due to events beyond the control of the contractor. Also, will the state offer price increase percentages to the successful bidders upon requesting the contract be renewed by the vendor in each of these one year renewals?

ANSWER: 3.0 INTENT: The department is soliciting written responses to establish a 24-month term contract that may be renewed for up to three one-year terms with no change in pricing or options if mutually agreed upon by both parties.

4.25 is a provision that allows the department to extend the contract up to six months to allow a poor performing contractor to fulfill their obligations. This is not a renewal of the contract.

2. Pricing Sheets –
   a. Under the Optional Engines for each bus configuration, can you add space for extended engine warranties?

   ANSWER: No, enter extended warranty information for optional engines in the ADDITIONAL OPTIONS section.

   b. Also are the extended engine Warranty Options limited to the terms listed or can we supply additional offerings in space provided?

   ANSWER: You may submit additional warranty offerings in addition to the listed terms in the ADDITIONAL OPTIONS section.

   c. If so, should we do so in the Additional Options or will you provide more open space in the Warranty Options for the standard and optional engines?

   ANSWER: You may submit additional warranty offerings in addition to the listed terms in the ADDITIONAL OPTIONS section.

3. Pricing Sheets – Can we add more Additional Options if needed?

   ANSWER: Yes, you may add more ADDITIONAL OPTIONS if necessary.

   or can we just combine the Additional Seating Options and Additional Options together in one section?

   ANSWER: Yes, you may combine ADDITIONAL SEATING OPTIONS and ADDITIONAL OPTIONS together in one section.
Also, under Additional Seating Options, can we move the randomly scattered options to be in line with each other? Do we have to use the ones listed?

**ANSWER:** Yes, you may move, add to, or delete the randomly scattered ADDITIONAL SEATING OPTIONS.

4. Pricing Sheets – Are the "Future Use" lines meant to be left blank? What is the future use and will it affect this bid?

**ANSWER:** "Future Use" is simply a place holder for the option number line and will have no effect on this bid.

5. Page 46, under the second page of additional options, why are the Diagnostic Options only listed here? Should they not be listed for each configuration and type?

**ANSWER:** List Diagnostic Options as applicable for each engine configuration under ADDITIONAL OPTIONS.

6. Pricing Sheets – Are we allowed to correct formatted spreadsheet (merge and center where needed or add/remove gridlines)? There are few in the additional options area where a cell is not merged and centered, and has a line breaking the first cell in the row (page 37, 41, 45).

**ANSWER:** Yes, as long as the information remains the same.

7. Pricing Sheets – Are we allowed to make additional copies of the Video/GPS pages and other pages as needed? Please clarify.

**ANSWER:** Yes.

8. Pricing Sheets – Can we provide multiple bids for each type of bus requested?

**ANSWER:** No.

9. II-2 Engine Equipment – Please differentiate between Additional Engine of other configurations or displacements and Alternate Fuel Configurations. There seems to be some confusion that Gasoline is considered an Alternate Fuel when it’s an Optional Engine not an alternate fuel engine. Here is a link concerning alternative fuels at... [https://afdc.energy.gov/fuels/](https://afdc.energy.gov/fuels/)

**ANSWER:** The Florida School Bus Specifications require that a diesel engine with a minimum displacement of 6.4 liters and 6 cylinders be available as a standard engine in a wet sleeve or parent bore block design. However, Additional Engines of other configurations or displacements may be offered in the OPTIONAL ENGINES section of the bid pricing pages for each type of bus including Alternate Fuel engine configurations.

Gasoline engine configurations are NOT Alternate Fuel Configurations.
The United States Department of Energy recognizes bio-diesel, ethanol, hydrogen, natural gas, propane and electric as being alternate fuels.

**Florida Transportation Systems**

1. Page 7, item 3.0 "Intent" states that ITB #2020-16 will have a contract term of 24 months. Additionally, the contract may be renewed for up to three, one-year terms. Will the renewal be mutually agreeable, or at the discretion of the Department? Assuming there is a renewal, will the Department allow for price adjustments or additional options being added to the awarded contract?

   **ANSWER:** Contract renewals must be mutually agreed upon by both parties. A renewal would not allow any changes in pricing or options.

2. Page 18, section 4.35 of ITB #2020-16 establishes an extension for districts receiving volume bus deliveries. In essence, the 10-day acceptance window is extended based on receiving 5 or more buses in a two-day period. Similarly, would the Department consider allowing for an extension of the 240-day delivery window when a vendor receiving volume orders over an abbreviated period. For example, if a vendor receiving purchase orders for an excess of 50 buses in a 5-day period, the required delivery date is increased by 10 business days.

   **ANSWER:** No.

3. Page 19, section 5.1 of ITB #2020-16 requires a performance bond for contactors of Type A, C and D school buses. With section 6.2 of the same ITB document allowing purchasing districts to assess and deduct liquidated damages from their invoiced purchase price, would the Department consider waiving the requirement for the performance bond?

   **ANSWER:** No.

4. Attachment 1, of ITB #2020-16 provides bidders with pre-formatted pricing submission sheets and Excel spreadsheets. Various areas of pricing entry may require additional entries in comparison to what is pre-formatted (for example, a/c options, seating or warranty options). May bidders be permitted to add rows to the pricing submission sheets and provide customers with additional options within reason?

   **ANSWER:** Yes.

5. Attachment 11, of ITB #2020-16 includes the Florida School Bus Specifications, Revised 2019 (Specifications). The bus category, MFSAB, is introduced and referenced by Florida Specifications. Do these Specifications, as they relate to MFSAB references, apply to MFSABs owned and operated by public school boards and charter schools only or do these also apply to day care centers, churches and other various enterprises that may utilize these style vehicles?
ANSWER: The specifications that apply to buses obtained under ITB #2020-16 are Florida School Bus Specifications, effective January 2020, which are the specifications in Attachment II renamed to reflect an effective date and to align with the award of this bid. School bus units may be purchased under ITB #2020-16 by Florida district school boards, charter schools, and the Florida School for the Deaf and the Blind (FSDB); and may be purchased by eligible private schools pursuant to the requirements described in s. 1002.42(15)(a), F.S. The applicability of the specifications to any other vehicles exceeds the scope of the bid process and the Department cannot provide a response.

6. Page 2 of Florida Specifications, Revised 2019 details warranties for Type A, C and D new vehicles. Under “Chassis Warranties”, items 3 and 5 used to apply only to Types A2, C and D diesel chassis in Florida School Bus Specifications, Revised 2013. FTS respectfully requests that these items NOT apply to diesel Type A chassis 14,500 Lbs. GVWR and under.

ANSWER: Denied.

7. Page 1-2 of Florida Specifications, section “Engine Equipment” items 3 and 5 used to apply only to Types A2, C and D diesel chassis in Florida School Bus Specifications, Revised 2013. FTS requests that these items NOT apply to diesel Type A chassis 14,500 Lbs. GVWR and under.

ANSWER: Denied.

8. Page I-4 of Florida Specifications, Revised 2019, section “Transmission” requires an Allison 1000 or 2000 or approved equal on a Type A chassis of 30p and larger. FTS requests that the Chevrolet heavy duty 6-speed Hydra-Matic transmission be accepted as an approved equal.

ANSWER: Approved.

9. Page II-5 of Florida Specifications, Revised 2019, section “Transmission” includes the following for Type D front engine:
   a. Type D 71 capacity front engine, Allison PTS 2500, 5 speed or approved equal.
   b. Type D 78-79 capacity front engine, Allison PTS 2500, 5 speed or approved equal.

The ‘TYPE D FORWARD CONTROL FRONT ENGINE’ chart on page II-7 however, indicates that the PTS 3000 transmission is required for 77, 83, and 89 capacity buses. FTS requests clarification of Type D forward transmission requirements.

ANSWER: Page II-5 under TRANSMISSION, AUTOMATIC #4 Should read:

4. Type D 77-89 capacity front engine, Allison PTS 3000, 5 speed or approved equal.
10. Page III-13 of Florida Specifications, Revised 2019, section 'Rear Vision Mirror System', states that "The system must consist of one flat and one convex mirror lens per side. Each mirror set must be mounted on a breakaway arms with a positive detent or lock." The exterior rearview mirror brackets designed and provided by Blue Bird's mirror vendor for the Open View mirrors do not include a breakaway feature. Blue Bird requests confirmation that the bracket design previously approved for use in Florida meets the intent of the specifications.

**ANSWER:** The previous designs provided by Blue Bird meets the intent of the specifications.

11. Page III-14 of Florida Specifications, Revised 2019, section "Seating, item 2 and 3" defines the requirement for FMVSS No. 225 compliant seats and their required seat spacing. This is required for the first seat of each side of the bus. If a customer would like to add additional rows of FMVSS No. 225 compliant seats, how should those be spaced?

**ANSWER:** Additional seats compliant with FMVSS No. 225 must be spaced to provide the maximum knee room (seat spacing) permitted by FMVSS No. 222.

---

Potential proposers have 72 hours from posting of addenda to protest the requirements of each addendum. Failure to file a protest within the time prescribed in Section 120.57(3), or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under Chapter 120, Florida Statutes.

---

**YOUR BID WILL NOT BE COMPLETE WITHOUT THIS DOCUMENT SIGNED AND INCLUDED!**

- **Company Name:** MATTHEWS BUS ALLIANCE, INC.
- **Vendor Name – written:** Glenn Matthews
- **Authorized Signature:**
- **Mailing Address:** 4802 WEST COLONIAL DRIVE
- **City, State & Zip Code:** ORLANDO, FL 32808
- **Telephone:** 800-330-1175 E-Mail Address: gmatthews@matthewsbusesflorida.com

ITB 2020-16 Addendum #1
FLORIDA DEPARTMENT OF EDUCATION

BUREAU OF CONTRACTS, GRANTS AND PROCUREMENT
MANAGEMENT SERVICES
325 West Gaines Street
332 Turlington Building
Tallahassee, Florida 32399-0400

Addendum #2

BID NO.: 

This addendum is being issued to include the below option:

Under additional options, pricing can be provided for a mounted exterior LED lamp that will project light along the right side of the bus in the area of the service door. The proposed lamp must have a minimum light output equivalent to a 50W halogen bulb, be mounted to direct light in a manner that prevents the light from shining directly into the right-side rear-view mirror and cross view mirror; must automatically turn on when the service door is opened and turn off approximately five seconds after the door has closed.

Potential proposers have 72 hours from posting of addenda to protest the requirements of each addendum. Failure to file a protest within the time prescribed in Section 120.57(3), or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under Chapter 120, Florida Statutes.

YOUR BID WILL NOT BE COMPLETE WITHOUT THIS DOCUMENT SIGNED AND INCLUDED!

Company Name: MATTHEWS BUS ALLIANCE, INC.

Vendor Name – written: Glenn Matthews

Authorized Signature: ____________________________

Mailing Address: 4802 WEST COLONIAL DRIVE

City, State & Zip Code: ORLANDO, FL 32808

Telephone: 800-330-1175 E-Mail Address: gmatthews@matthewsbusesflorida.com

ITB 2020-16 Addendum #2
ReGina Register  
Florida Department of Education  
Procurement Office  
332 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400

RE: ITB #2020-16, Addendum 3

Dear Ms. Register:

This letter is to acknowledge and comply with the release of Addendum #3 by FLDOE as part of the completion of ITB 2020-16 for Matthews Bus Alliance, Inc.

The optional chassis manufacturers for Type A buses have been moved from the "Optional Engines" to the "Additional Options" section. No additional bus capacities requested.

In addition to this change, Matthews Bus Alliance, Inc. would like to request the Intelipark (Park Brake) Option (which FL Customers will want) be added to our Type C bid at $2500 each.

Respectfully submitted,

Glenn Matthews  
President  
Matthews Bus Alliance, Inc.
FLORIDA DEPARTMENT OF EDUCATION

BUREAU OF CONTRACTS, GRANTS AND PROCUREMENT
MANAGEMENT SERVICES
325 West Gaines Street
332 Turlington Building
Tallahassee, Florida 32399-0400

Addendum #3

BID NO.: ITB 2020-16

NOVEMBER 5, 2019

This addendum is being issued to reopen ITB 2020-16 to clarify the answer provided to Question 8 of Addendum #1 Q&A document.

Question 8 was as follows:

8. Pricing Sheets – Can we provide multiple bids for each type of bus requested?

ANSWER: No. Multiple bids will NOT be accepted for each type of bus requested. However, optional chassis manufacturers for TYPE A buses of the same capacity may be offered under the “Additional Options” section of the Price Sheet.

Additional bus capacities not requested will not be accepted.

Potential proposers have 72 hours from posting of addenda to protest the requirements of each addendum. Failure to file a protest within the time prescribed in Section 120.57(3), or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under Chapter 120, Florida Statutes.

YOUR BID WILL NOT BE COMPLETE WITHOUT THIS DOCUMENT SIGNED AND INCLUDED!

Company Name: MATTHEWS BUS ALLIANCE, INC
Vendor Name – written: Gerald Matthews
Authorized Signature: _______________________
Mailing Address: 4302 WEST COLONIAL DRIVE
City, State & Zip Code: ORLANDO, FL 32808
Telephone: 800-330-1175 E-Mail Address: gmatthews@matthewsbusesflorida.com
Hi Robert

Here is the final response.

ReGina
ReGina A. Register, FCCN, FCCM
Contract Administrator & Procurement Director/MFMP System Administrator
Florida Department of Education
Bureau of Contracts, Grants and Procurement
Management Services
325 West Gaines Street, STE 332
Tallahassee, FL 32399-0400
phone: 850/245-9173
fax: 850/245-0719

Please note that Florida has a very broad public records law. Most written communication to or from state officials are public records available to the public and media upon request.

From: Glenn Matthews [mailto:gmatthews@matthewsbusesflorida.com]
Sent: Friday, November 22, 2019 3:24 PM
To: Register, Regina <Regina.Register@fldoe.org>; Kristin Radesca <kradesca@matthewsbusesflorida.com>
Subject: Re: ITB 2020-16 Type A, Type C and Type D School Buses and Optional Equipment - Seeking Clarification

Regina,

Yes, per the language in the required letter we sent with our bid:

"This letter is to certify that Matthews Bus Alliance, Inc., complies with all provisions of ITB 2020-16 and its addendums. Additionally, all products offered pursuant to ITB 2020-16 will meet the Florida School Bus Specifications; Revised 2020."

Which includes the below Florida School Bus Specifications Revised 2020 (MFSAB requirements):

"Seating: Type 2 lap/shoulder seat belts are required for all seating positions, including the drivers seat."

Our base bid for Type A, C, and D MFSAB's (only) include the required Type 2 lap/shoulder belts for all positions as required.
On Fri, Nov 22, 2019, 1:24 PM Register, Regina <Regina.Register@fldoe.org> wrote:

Hello

This email is seeking clarification regarding your Bid Response to the above referenced ITB. Please indicate whether the bid prices that your company submitted for each “Base MFSAB Price$$” includes the required type 2 lap/shoulder seat belts, or if the cost of the seat belts must be added by the purchaser? This clarification response will become an official addition to your Bid Response. No prices should be included in your response to this clarification question.

This information is needed as soon as possible but no later than 2:00 pm ET on November 26, 2019. Clarification response can be provided via reply to this email.

Let me know if you have questions or need additional information.

ReGina

ReGina A. Register, FCCN, FCCM

Contract Administrator & Procurement Director
Florida Department of Education
Bureau of Contracts, Grants and Procurement
Management Services
325 West Gaines Street, STE 332
Tallahassee, FL 32399-0400
BID NO:  **ITB 2020-16**

TITLE:  **Type A, Type C and Type D School Buses and Optional Equipment**

DATE & TIME DUE:  **OCTOBER 23, 2019 @ 9:15 AM ET**

To register to bid, please complete and return this bid registration form as soon as possible. Send this sheet only to Regina.Register@fldoe.org (preferred), fax it to 850-245-0719, or mail it to 325 West Gaines Street, 332 Turlington Building, Tallahassee, Florida 32399-0400.

COMPANY NAME:  

CONTACT PERSON:  

ADDRESS:  

CITY, STATE, ZIP:  

TELEPHONE:  ( ) _______________ FAX NUMBER: ( ) _______________

INTERNET EMAIL ADDRESS:  

SIGNED: ___________________________ DATE: ___________________________

For further information about this bidding on contracts for the State of Florida, you may contact ReGina Register at 850-245-9173 or Regina.Register@fldoe.org.
INVITATION TO BID
BID NO: ITB 2020-16

For

TYPES A, C AND D SCHOOL BUSES

and

OPTIONAL EQUIPMENT

DEADLINES

TECHNICAL QUESTIONS: SEPTEMBER 12, 2019 BY 5 p.m. ET
BID RESPONSE SUBMITTAL DUE: OCTOBER 23, 2019 BY 9:15 a.m. ET

ESTIMATE POSTING DATE: OCTOBER 29, 2019
CONTRACT EFFECTIVE DATE: January 1, 2020

MAIL OR DELIVER BID RESPONSES TO:

Florida Department of Education
Bureau of Contracts, Grants and Procurement Management Services
325 West Gaines Street
332 Turlington Building
Tallahassee, Florida 32399-0400
Attention: ReGina Register
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# INVITATION TO BID
**FLORIDA DEPARTMENT OF EDUCATION**
Types A, C and D School Buses and Optional Equipment
**BID NUMBER: ITB 2020-16**

## SECTION 1 – INSTRUCTIONS

### 1.0 GENERAL INSTRUCTIONS TO RESPONDENT

This section contains instructions explaining the solicitation process and the actions necessary to respond. General Instructions to Respondent (Form PUR 1001 – incorporated herein by reference) is a downloadable document that must be downloaded for review. This document need not be returned with the respondent’s bid response. Form PUR 1001 may be accessed at [http://dms.myflorida.com/business_operations/state_purchasing](http://dms.myflorida.com/business_operations/state_purchasing) under “Documents, Forms, References and Resources.”

In the event of any conflict between Form PUR 1001 and other instructions provided in this document, the additional instructions in this document shall take precedence over the Form PUR 1001 unless the conflicting term is required by any section of the Florida Statutes, in which case the statutory requirements shall take precedence.

**ALTHOUGH THE ITB MAY USE MANDATORY WORDS LIKE “SHALL,” “WILL,” “SHOULD” OR “MUST,” AND MAY DEFINE CERTAIN ITEMS AS REQUIREMENTS, THE DEPARTMENT RESERVES THE RIGHT, IN ITS DISCRETION, TO WAIVE ANY DEVIATIONS FROM THESE PROVISIONS. IN ADDITION, THERE IS NO GUARANTEE THAT SUCH DEVIATIONS WILL BE DEEMED IN THE STATE’S BEST INTEREST OR A MINOR IRREGULARITY.**

## SECTION 2 – CONTRACT CONDITIONS

### 2.0 GENERAL CONTRACT CONDITIONS

Standard terms and conditions that will apply to the contract that results from the solicitation event are provided in this section. General Contract Conditions (Form PUR 1000 – incorporated herein by reference) is a downloadable document that must be downloaded for review. This document need not be returned with the respondent’s bid response. Form PUR 1000 may be accessed at [http://dms.myflorida.com/business_operations/state_purchasing](http://dms.myflorida.com/business_operations/state_purchasing) under “Documents, Forms, References and Resources.”

In the event of any conflict between Form PUR 1000 and any other Special Conditions, the Special Conditions shall take precedence over Form PUR 1000 unless the conflicting term in the PUR form is required by any section of the Florida Statutes, in which case the term contained in Form PUR 1000 shall take precedence.
3.0 **INTENT**

The Florida Department of Education (hereinafter referred to as the "department") is soliciting written bid responses from qualified vendors to establish a **24-month term contract** for the purchase of Type A, Type C and Type D school buses and optional equipment. The intent of these specifications is to set forth and convey to prospective bidders the general type, character, performance and level of quality of the vehicles desired by the department and purchasing school districts. The contractor is authorized to provide vehicles to any and all eligible users in the State of Florida. The sale of any vehicles to an eligible user not included in the definition herein is prohibited unless the contractor has received prior written approval from the department and such services are set forth in an addendum hereto executed by all parties. The parties agree that the laws and rules that apply to this contract shall be those applicable to contracts in excess of Purchasing Category Two, or $35,000, as defined in s. 287.017, Florida Statutes (F.S.).

The resulting contract may be renewed for up to three one-year terms.

3.1 **BACKGROUND**

Pursuant to S. 1006.27, F.S., the department shall assist district school boards in securing school buses at prices that are as reasonable as possible by providing a plan under which district school boards may voluntarily pool their bids for such purchases, and prepares and awards term contracts for the purchase of various types of school buses and optional equipment, and makes the contracts available to district school boards. District school boards, from time to time, are required to furnish the department with information concerning the prices paid for such items and the department periodically furnishes to district school boards, information concerning the lowest prices at which school buses, equipment and related supplies are available based on comparable specifications.

School bus units may be purchased by Florida district school boards, charter schools, and the Florida School for the Deaf and the Blind (FSDB); and may be purchased by eligible private schools pursuant to the requirements described in s. 1002.42(15)(a), F.S.

Representatives of the Florida Department of Management Services, State Purchasing, may be asked to serve as advisors in final determination and acceptance of bids.

3.2 **DEFINITIONS**

As used herein, the following definitions apply:

1. **Bid**: All documents and materials contained in the formal ITB package submitted by a bidder in response to this solicitation.
2. **Bid Response**: The complete response of the bidder to the ITB, including properly completed forms and supporting documentation.
3. **Bidder**: A potential contractor, acting on his or her own behalf and on behalf of those individuals, partnerships, firms or corporations comprising the bidder’s team, who submits a response to this solicitation.
4. **Configuration**: Each unique combination of the following vehicle characteristics: bus type, bus capacity (e.g., 77 capacity) and wheelchair lift (if applicable). An example of a configuration for this purpose is Type C, 77 capacity with lift.
5. **Contract**: The agreement entered into between the department and the successful bidder after completion of the Invitation to Bid process.
6. **Contractor:** The successful bidder, selected as a result of this ITB with whom the department executes a contract to provide the required services.

7. **Deliverable** A tangible, specific, quantifiable and measurable event or item that must be produced to complete a project or part of a project directly related to the scope of services.

8. **Department:** Refers to the Florida department of Education.

9. **Eligible Users:** Florida district school boards, FSDB and eligible private schools.

10. **FDOE:** Florida Department of Education

11. **FE:** Front engine.

12. **FSDB:** Florida School for the Deaf and the Blind.

13. **N/A or NA:** Not available or not applicable.

14. **N/B or NB:** No bid submitted for base bus or option. A "no bid" on a base bus or option will continue to be considered as "no bid" throughout the term of the contract, including dealer-offered options.

15. **N/C or NC:** No-charge item – the department reserves the right to determine whether the item is to be included as standard equipment.

16. **PB:** Parent bore engine.

17. **Price:** Base unit or option price.

18. **RE:** Rear engine.

19. **Ready-to-Use Condition:** Units meeting all applicable specifications, with all equipment functioning properly and without substantive defects (as determined by the Florida Department of Education, School Transportation Management Section).

20. **Responsive Bidder:** A person who has submitted a bid response that conforms in all material aspects to the ITB.

21. **Responsible Bidder:** A bidder who demonstrates the capacity in all respects to satisfy the contract requirements with the integrity and reliability that will assure good-faith performance.

22. **STD:** Standard.

23. **STMS:** School Transportation Management Section.

24. **Unit(s):** Buses produced and sold via the Florida Department of Education’s Bid No: ITB 2020-16 for School Buses and Optional Equipment.

25. **Vehicles:** Collective reference to various Type A, Type C and Type D school buses and optional equipment.

26. **Vendor:** A potential contractor acting on his or her own behalf and on behalf of those individuals, partnerships, firms or corporations comprising the vendor’s team who has not yet submitted a response to this solicitation.

27. **VBS:** Florida Vendor Bid System.

28. **WS:** Wet-sleeve engine.
### 3.3 SCHEDULE OF EVENTS

<table>
<thead>
<tr>
<th>SCHEDULED ACTIVITY</th>
<th>DATE</th>
<th>METHOD/CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prospective Bidder Questions</td>
<td>September 12, 2019 by 4:00 pm ET</td>
<td>Questions must be identified as such and submitted by mail, email (preferred) or facsimile to: ReGina Register 325 West Gaines Street, 332 Turlington Building Tallahassee, Florida 32399-0400 <a href="mailto:Regina.Register@fldoe.org">Regina.Register@fldoe.org</a> Fax 850-245-0719</td>
</tr>
<tr>
<td>Departmental Answers Provided to Bidder Questions (on or about)</td>
<td>September 20, 2019</td>
<td>Written response (addenda) to any written questions received by the deadline will be provided via the Vendor Bid System Advertisement Website - <a href="http://vbs.dms.state.fl.us/vbs/main_menu">http://vbs.dms.state.fl.us/vbs/main_menu</a></td>
</tr>
<tr>
<td>Sealed Bids Receipt and Opening</td>
<td>OCTOBER 23, 2019 Must Be Received NO LATER THAN 9:15 a.m.</td>
<td>Submit to: Florida Department of Education Procurement Office Attn: ReGina Register 325 West Gaines Street, 332 Turlington Building Tallahassee, Florida 32399-0400 Bids will be opened in Room 1721 of the Turlington Building at 10:15 a.m.</td>
</tr>
<tr>
<td>Posting of Intended Decision (on or about)</td>
<td>October 29, 2019</td>
<td>Vendor Bid System (VBS) Advertisement Website - <a href="http://vbs.dms.state.fl.us/vbs/main_menu">http://vbs.dms.state.fl.us/vbs/main_menu</a></td>
</tr>
<tr>
<td>Anticipated Contract Start Date</td>
<td>Wednesday, January 1, 2020</td>
<td>The department and contractor(s)</td>
</tr>
<tr>
<td>Anticipated Contract End Date</td>
<td>Friday, December 31, 2021</td>
<td>The department and contractor(s)</td>
</tr>
</tbody>
</table>

### SECTION 4 – SPECIAL INSTRUCTIONS

4.0 **NON-RESPONSIVE BIDS, NON-RESPONSIBLE BIDDERS**

Bid responses that fail to provide material information may be rejected as non-responsive. A bidder whose bid responses, past performance or current status do not reflect the capability, integrity or reliability to perform fully and in good faith the requirements of the contract may be rejected as non-responsible. The department reserves the right to waive any minor irregularities or technicalities in any bid response received, to reject any or all bid responses in whole or in part, with or without cause, to solicit new bid responses or to accept the bid response which, in its judgment, will be in the best interest of the department. The department reserves the right to use any information presented in any response to this ITB.
4.1 POOR PERFORMANCE NOTICE
The bidder should provide for himself/herself and his/her employees, subcontractors and subcontractor employees copies of any and all documents regarding complaints filed, investigations made, warning letters or inspection reports issued, any notice of breach, notice of default, termination notice, suspension notice, or any disciplinary action initiated or taken under any contract or job performance within the past seven years. For each instance listed, provide a narrative summary of the contract’s purpose and scope of work, the bidder’s performance (including the concerns of the project owner) and any major adverse findings. In addition, provide the contract or job number; the name of the owner; the term of the contract; and the name, address and telephone number of the owner’s contract manager. Please also include any relevant documentation evidencing the performance issues.

The department reserves the right to seek further information on this matter from the bidder or to make inquiries with the project owner. The information obtained from this review may be used to declare the bidder a non-responsible vendor.

4.2 QUESTIONS
Potential bidders should examine the ITB to determine if the department’s requirements are clearly stated. If there are any requirements, that restrict competition, the bidder may request, in writing, to the state that the specifications be changed. A bidder who requests changes to the state’s specifications should identify and describe his/her difficulty in meeting the state’s specifications, provide detailed justification for a change, and provide recommended changes to the specifications. Questions concerning conditions and specifications of this ITB, and/or requests for changes to the bid response, should be received in writing by the Bureau of Contracts, Grants and Procurement Management Services, as specified in Section 3.3 - Schedule of Events. A bidder’s failure to request changes by the specified date shall be considered to constitute bidder’s acceptance of the state’s specifications. The state shall determine what changes to the ITB shall be acceptable.

Questions may be emailed, faxed or delivered to the address below:

Florida Department of Education
Bureau of Contracts, Grants and Procurement Management Services
Attn: ReGina Register
325 West Gaines Street, Room 332
Tallahassee, Florida 32399-0400
Email (preferred): Regina.Register@fldoe.org
FAX 850-245-0719

4.3 RESTRICTIONS ON COMMUNICATIONS WITH DEPARTMENT STAFF
Bidders shall not communicate with any department staff concerning this ITB, except for the department contact person identified in Section 4.2 - Questions of this ITB. Only those communications that are in writing from the Bureau of Contracts, Grants, and Procurement Management Services shall be considered as a duly authorized response on behalf of the department. For violation of this provision, the department reserves the right to reject a bidder’s bid response.

Bidders to this solicitation or persons acting on their behalf may not contact, between the release of the solicitation and the end of the 72-hour period following the agency posting the notice of intended award, excluding Saturdays, Sundays, and state holidays, any employee or officer of the executive or legislative branch concerning any aspect of this solicitation, except in writing to the procurement officer or as provided in the solicitation documents. Violation of this provision may be grounds for rejecting a bid response.
4.4 PROCUREMENT PROTESTS/NOTICE OF RIGHTS

Pursuant to s. 120.57(3)(b), F.S.:
"Any person who is adversely affected by the agency decision or intended decision shall file with the agency a notice of protest in writing within 72 hours after the posting of the notice of decision or intended decision. With respect to a protest of the terms, conditions, and specifications contained in a solicitation, including any provisions governing the methods for ranking bids, proposals, or replies, awarding contracts, reserving rights of further negotiation, or modifying or amending any contract, the notice of protest shall be filed in writing within 72 hours after the posting of the solicitation. The formal written protest shall be filed within 10 days after the date the notice of protest is filed. Failure to file a notice of protest or failure to file a formal written protest shall constitute a waiver of proceedings under this chapter. The formal written protest shall state with particularity the facts and law upon which the protest is based. Saturdays, Sundays, and state holidays shall be excluded in the computation of the 72-hour time periods referenced in this paragraph."

Pursuant to s. 120.57(3)(a), failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes."

Florida Administrative Code Rule 28-110.002(2) defines the term “decision or intended decision,” and includes the solicitation terms (and any addenda), the award of the contract, and a rejection of all Bid Responses.

At the time of filing the Formal Written Protest the protestor must also file a Protest Bond payable to the department in an amount equal to 1 percent of the estimated contract amount. Florida Statutes, Section 287.042(2)(c) and Florida Administrative Code Rule 28-110.005 contain further terms relating to the Protest Bond, including how to determine the estimated contract amount. In lieu of a Protest Bond, the department will accept cashier's checks, official bank checks or money orders. The bond shall be conditioned upon the payment of all costs and charges that are adjudged against the protestor in the administrative hearing in which the action is brought and in any subsequent appellate court proceeding.

The Notice of Protest, Formal Written Protest, and Protest Bond shall be addressed to the issuing office as defined in SECTION 6.0 BID SUBMISSION and filed with the agency clerk.

4.5 ADDENDA

No negotiations, decisions or actions will be initiated or executed by a bidder as a result of any oral discussions with a department employee. Only those communications that are in writing from the Bureau of Contracts, Grants and Procurement Management Services will be considered as a duly authorized expression on behalf of the department.

If the department determines that it should modify or interpret any portion of the ITB documents prior to the closing time and date, such changes will be included as a written addendum to the ITB. No other methodology will be considered binding or authorized in giving information concerning, or to explain or interpret the ITB document.

Notice of changes (addenda) will be posted on the Florida Vendor Bid System (VBS) at www.dms.myflorida.com (click on View Solicitations under the Doing Business with the State link, then click on Search Advertisement; select the department of Education in the Agency drop down window and initiate search), under this bid number. It is the responsibility of all potential bidders to monitor this site for any changing information prior to submitting a bid response.
NOTE: SIGNED ACKNOWLEDGEMENT OF ANY ADDENDA SHOULD ACCOMPANY ITB RESPONSE. FAILURE TO SUBMIT THE ACKNOWLEDGE FORM MAY RESULT IN DISQUALIFICATION OF THE BIDDER

4.6 MINOR EXCEPTIONS
The department may waive minor deviations or exceptions in bid responses providing such action is in the best interest of the State of Florida. Minor deviations/exceptions are defined as those that have no adverse effect upon the state's interest and would not affect the amount of the bid by giving a contractor an advantage or benefit not enjoyed by other contractors.

4.7 COPYRIGHTED MATERIAL
Copyrighted material will be accepted as part of a bid response only if accompanied by a waiver that will allow the department to make paper and electronic copies necessary for use by department staff and agents. It is noted that copyrighted material is not exempt from the Public Records Law, Chapter 119, F.S. Therefore, such material will be subject to viewing by the public, but copies of the material will not be provided to the public. All development and use of copyright material in fulfilling the terms of the bid shall be governed by the terms of the contract between the contractor and the department.

4.8 CONFIDENTIAL MATERIAL
The department takes seriously its public records responsibilities as outlined in chapter 119, F.S., and Article I, section 24 of the Florida Constitution. If respondent considers any portion of the documents, data or records submitted in response to this solicitation to be confidential, trade secret or otherwise not subject to disclosure pursuant to chapter 119, F.S., the Florida Constitution or other authority, respondent should clearly mark and identify in his/her response those portions that are confidential, trade secret or otherwise exempt. Respondent should also simultaneously provide the department with a separate redacted copy of its response. This redacted copy should contain the department’s solicitation name, number and the name of the respondent on the cover, and should be clearly titled “Redacted Copy.” The redacted copy should be provided to the department at the same time respondent submits his/her response to the solicitation and must only exclude or obliterate those exact portions that are claimed confidential, proprietary or trade secret.

The respondent shall be responsible for defending his/her determination that the redacted portions of its response are confidential, trade secret or otherwise not subject to disclosure. Furthermore, the respondent shall protect, defend and indemnify the department for any and all claims arising from or relating to respondents determination that the redacted portions of his/her response are confidential, proprietary, trade secret or otherwise not subject to disclosure.

If Bidder fails to submit a redacted copy with its response, the department is authorized to produce the entire documents, data or records submitted by respondent in answer to a public records request for these records.

4.9 PREPARATION COST
ITB responses shall contain all information solicited, plus any additional data, prints or literature that the bidder deems pertinent to the department’s understanding and evaluation of his/her response. This ITB does not commit the department or any other public agency to pay any costs incurred by the bidder in the submission of a bid response or to make necessary studies or designs for the preparation thereof, nor to procure or contract for any articles or services.
4.10 **WITHDRAWAL**
Bidders may modify submitted bid responses at any time prior to the bid due date. Requests for modification of a submitted bid response should be in writing and should be signed by an authorized representative of the bidder. Upon receipt and acceptance of such a request, the entire bid response will be returned to the bidder and not considered unless resubmitted by the due date and time. Bidders may also send a change in a sealed envelope to be opened at the same time as the bid response. The ITB number, opening date and time should appear on the envelope of the modified bid response.

4.11 **PUBLIC OPENING OF BID RESPONSES**
Each bid response should be dated and time-stamped by the department as received. Any bid response received after the specified deadline for bid acceptance may be rejected and returned unopened to the bidder. Bid responses will be opened at the designated date and time at the department’s Bureau of Contracts, Grants and Procurement Management Services, 332 Turlington Building, 325 West Gaines Street, Tallahassee, FL.

4.12 **CORRECTION OF BID RESPONSE ERRORS**
Information that is required to be included in the bid response is expected to be present and accurate. Corrections of erroneous information or typographical errors may not be permitted after the department has received the bid responses. **The contractor is solely responsible for proofreading his/her bid response and verifying its accuracy.**

4.13 **VISITOR PASS TO THE TURLINGTON BUILDING**
Each visitor to the Turlington Building is required to sign in and obtain a visitor's pass at the security desk in the main lobby. Please allow at least 15 minutes prior to bid response due time if hand-delivering your bid response to the Bureau of Contracts, Grants and Procurement Management Services.

4.14 **ACCESSIBILITY FOR PERSONS WITH DISABILITIES**
Any person requiring a special accommodation because of a disability should call the department’s Bureau of Contracts, Grants and Procurement Management Services at 850-245-0735 at least five workdays prior to the bid opening. If you are hearing or speech-impaired, please contact the department by using the Florida Relay Service at 800-955-8771 (TDD).

4.15 **RESPONSE DURATION**
All submitted bid responses are binding until December 31, 2021.

4.16 **PRICING**
All bid prices are to include the furnishing of all parts, labor, transportation and incidental services or materials required. There shall be no additional costs charged for work performed under this bid. All bid prices should be submitted on the forms provided.

All bid prices quoted for Type A, Type C and Type D school buses and optional equipment should be in even dollar amounts. All bid prices for base units, standard options and additional contract options, including warranty agreements, should be submitted on the Microsoft Excel worksheets provided in Attachment 1 - Vendor’s Bid Pricing Sheets, of this ITB. Pricing is also to be submitted in Microsoft Excel file format for base buses and options. These worksheets will be provided via e-mail to bidders listed on the bid notification list. Prospective bidders may also request to receive the electronic worksheets from Regina Register at Regina.Register@fldoe.org. The electronic worksheets are identical to the paper bid sheets included in the bid. Hard copies of price quotes are still requested, but may be printed from the electronic spreadsheets. Pricing must include the furnishing of all parts, labor, transportation, incidental services and materials required. There
shall be no additional price charged for work performed under this bid. All bid prices must remain firm until December 31, 2021. Prices should be submitted on the forms provided in a SEALED ENVELOPE with the bid number written on the outside. No price changes will be allowed throughout the contract period.

Each price sheet should be signed or initialed at the bottom of the page by the person who signs the transmittal letter.

Representatives of the Florida Department of Management Services, State Purchasing, may be invited to act as advisors in final determination and acceptance of bids.

Language in this document takes precedence over any conflicting language in the General Contract Conditions (Form PUR 1000) and General Instructions to Respondents (Form PUR 1001).

4.17 AWARD
As in the best interest of the state, the right is reserved to award based on all or none, group of items, item by item or any combination thereof, to a responsive, responsible bidder. As in the best interest of the state, the right is reserved to reject any and/or all bid responses or to waive any minor irregularity in bid responses received. Conditions that may cause rejection of bid response include, without limitation, evidence of collusion among bidders, obvious lack of experience or expertise to perform the required work, failure to perform, or meet financial obligations on previous contracts.

Bid tabulations will be posted and available for public viewing in the reception room of the Bureau of Contracts, Grants and Procurement Management Services and posted on the VBS. A printed copy of the bid tabulation will be available upon written request to the Bureau of Contracts, Grants and Procurement Management Services. Telephone requests will not be accepted. Each written request should contain a self-addressed, stamped envelope and reference the bid title and number. Bid tabulations will be posted and available for public viewing in the reception room of the Bureau of Contracts, Grants and Procurement Management Services.

Bid awards will be made in conformance with applicable requirements of chapter 287, F.S.; chapter 60A-1, F.A.C.; and the requirements of this ITB, where it includes additional or more specific procedures. Awards will be made for the following school bus configurations, as available, meeting standard Florida School Bus Specifications, Revised 2019: Type A; Type C; Type D rear engine; and Type D front engine, subject to the following procedures:

- Low price shall be calculated for each configuration based on the combination price for completed base units submitted on pricing page P-1 and average regional delivery cost using price quotes as supplied in this bid (Bid No: ITB 2020-16, Attachment 1 – Vendor’s Bid Pricing Sheets).
- Bid awards will be made on the basis of a multiple supplier award.
- Overall awards will be made to each responsive and responsible bidder for all configurations on which that bidder submits price quotes within 10 percent of the lowest price for that configuration. A configuration is defined as a unique combination of the following vehicle characteristics: bus capacity (e.g., 77 capacity), bus type (e.g., Type C) and wheelchair lift (if applicable). An example of a configuration for this purpose is a 77 capacity Type C with lift.

Technical variations to published bid award procedures may be invoked at the discretion of the department when necessary to ensure equitability.
4.18  **AUTHORIZATION TO DO BUSINESS IN THE STATE OF FLORIDA**
Foreign corporations and foreign limited partnerships should be authorized to do business in the State of Florida. Domestic corporations should be active and in good standing in the State of Florida. Such authorization and status should be obtained by the bid due date and time, but in any case, must be obtained prior to contract execution. For authorization, contact:

Florida Department of State
Tallahassee, Florida 32399
850-245-6053

4.19  **LICENSED TO CONDUCT SERVICES IN THE STATE OF FLORIDA**
If the service(s) being provided requires that individuals be licensed by the Florida Department of Business and Professional Regulation or any other state or federal agency, such licenses should be obtained by the bid due date and time, but in any case, must be obtained prior to contract execution. For state licensing, contact:

Florida Department of Business and Professional Regulation
Tallahassee, Florida 32399-0797
850-487-9501

4.20  **NOTICE TO CONTRACTOR**
The department shall consider the employment by any contractor of unauthorized aliens a violation of s. 274A(e) of the Immigration and Nationalization Act. If the contractor knowingly employs unauthorized aliens, such violation shall be cause for unilateral cancellation of this contract.

4.21  **QUALIFICATIONS**
The department will determine whether the bidder is qualified to perform the services being contracted based upon the bid response demonstrating satisfactory experience and capability in the work area. The bidder should identify necessary experienced personnel and/or facilities to support the activities associated with this bid.

Those individuals who will be directly involved in the project should have demonstrated experience in the areas delineated in the scope of work. Individuals whose qualifications are presented will be committed to the project for its duration, unless otherwise excepted by the department. In the event it becomes necessary for the contractor to substitute key personnel, such substitution will take place in consultation with the department and will be made upon the department’s prior approval, which will not be unreasonably withheld.

4.22  **SUBMISSION OF BID RESPONSES BY SUBSIDIARIES OR AFFILIATES**
A bidder, its subsidiaries, affiliates or related entities is limited to one bid response. Submission of more than one bid response per activity by a bidder may cause the rejection of all bids submitted by the bidder. In the alternative, the department may decide in its sole discretion which bid to evaluate and consider. A subsidiary or affiliate of a prime bidder may also be included as a subcontractor in another bidder’s bid response.

4.23  **IDENTICAL EVALUATION OF BID RESPONSES**
Whenever two or more bid responses that are equal with respect to price, quality and service are received, the department will determine the order of award using the criteria established in rule 60A-1.011, FAC. The Drug-Free Workplace Program Certification can be found as Attachment 3.

4.24  **METHOD OF PAYMENT**
Payment will be made in accordance with the terms and conditions of the purchase order or contract.
Payments will be made in accordance with s. 215.422, F.S., which delineates contractor’s rights and the eligible users’ responsibilities concerning time allowances for payment of invoices and applicable interest penalties. Pursuant to s. 287.058, F.S., all invoices must be submitted in detail sufficient for a proper pre-audit and post-audit thereof. Please see ss. 4.35, 7.3, 7.4 and 7.9 for specific requirements related to acceptance of and payment for school buses.

Subject to the requirements for acceptance, all payment for Type A, C and D buses will be due within 40 days after acceptance by the local purchasing agency or receipt of invoice and the manufacturer’s certificate of origin, whichever is later.

4.25 EXTENSION
In the event that circumstances arise that make performance by the contractor impracticable or impossible within the time allowed or that prevent a new, or renewed contract from being executed, the department, in its discretion, may grant an extension of the contract. An extension of the contract resulting from this bid shall be in writing for a period not to exceed six months and shall be subject to the same terms and conditions set forth in the contract. The department may, in its discretion, grant a proportional increase in the total dollar amount based on the method and rate established in the contract. There shall be only one extension of the contract, unless the failure to meet the criteria set forth in this ITB or resulting contract is due to events beyond the control of the contractor. It shall be the responsibility of the contractor to ensure at all times that sufficient time remains in the project schedule within which to complete services on the project. In the event there have been delays that would affect the project completion date, the contractor shall submit a written request to the department that identifies the reason(s) for the delay and the amount of time related to each reason. The department will review the request and make a determination whether to grant all or part of the requested extension.

4.26 INSPECTION AUDIT AND MAINTENANCE OF REPORTS
Representatives of the department, the Comptroller of the State of Florida, or the Auditor General of the State of Florida, or their duly authorized representatives, shall have access, for purposes of examinations and recovery, to any books, documents, papers and records of the contractor as they may relate to this contract. The contractor shall maintain books, records and documents in accordance with acceptable accounting principles and practices that sufficiently and properly reflect charges made. The department may unilaterally cancel any resultant contract for refusal by the contractor to allow public access to all documents, papers, letters or other material originated or received by the contractor in conjunction with this contract, subject to the provisions of chapter 119, F.S.

4.27 DIVERSITY IN CONTRACTING
The State of Florida is committed to supporting its diverse business industry and population through ensuring participation by minority, women and service-disabled veteran business enterprises in the economic life of the state. The State of Florida Mentor Protégé Program connects minority, women and service-disabled veteran business enterprises with private corporations for business development mentoring. We strongly encourage firms doing business with the State of Florida to participate in this program. For more information on the Mentor Protégé Program, please call the Office of Supplier Diversity at 850-487-0915.

The state is dedicated to fostering the continued development and economic growth of small, minority, women and service-disabled veteran business enterprises. To this end, it is vital that small, minority, women and service-disabled veteran business enterprises participate in the state’s procurement process as both contractors and sub-contractors in this solicitation. Small, minority, women and service-disabled veteran business enterprises are strongly encouraged to contribute to this solicitation.
Information on Certified Minority Business Enterprises (CMBE) and Certified Service-Disabled Veteran Business Enterprises (CSDVBE) is available from the Office of Supplier Diversity at: http://dms.myflorida.com/other_programs/office_of_supplier_diversity_osd/.

4.28 SUB-CONTRACTING
Neither this contract nor any portion thereof shall be sub-contracted without the prior written approval of the department. No sub-contract shall, under any circumstances, relieve the contractor of his/her liability and obligation under this contract. Despite any such sub-contracting, the department shall deal through the contractor, who shall retain the legal responsibility for performing the contractor’s obligations.

The prime contractor shall report all small, minority, women and service-disabled veteran business enterprise subcontractors, identifying the name, address, type of certification and dollar amount on the utilization summary form, provided as Attachment 4. The contractor shall provide a list of subcontractors to the department’s contract manager upon execution of the contract. The prime contractor shall provide the utilization summary form with each invoice submitted for payment. The form must be submitted with all invoices, regardless of whether or not funds have been spent with a small, minority, women and service-disabled veteran business enterprise subcontractor for the period covered by the invoice. The Department of Management Services, Office of Supplier Diversity will furnish names of qualified small, minority, women and service-disabled veteran business enterprises. The Office of Supplier Diversity can be reached at 850-487-0915; the website address is http://dms.myflorida.com/other_programs/office_of_supplier_diversity_osd/.

4.29 CONTRACTUAL OBLIGATIONS
The department’s Contract Standard Terms and Conditions are incorporated in this ITB as Attachment 6 and will govern the relationship between the contract vendor and the department. Bid responses submitted by Contractors shall be incorporated into the final purchase order(s) or contract(s).

4.30 CONTRACT COMPLETION
The contractor will be required to ensure that each individual, partnership, firm, corporation or subcontractor that performs on the contract is subject to, and complies with, the contractual requirements. When contract negotiations are successfully concluded, a written contract will be prepared that will incorporate the following documents:

- This ITB
- Addenda to this ITB
- And the bidder’s response

The contractor shall begin performing services only upon execution of a valid contract between the parties.

4.31 DISPOSITION OF BID RESPONSES
All bid responses become the property of the State of Florida and will be a matter of public record subject to the provisions of chapter 119, F.S.

4.32 ALTERNATES
ALTERNATE BRANDS OR PRODUCTS WILL NOT BE CONSIDERED FOR THIS BID RESPONSE. Bid as required per specifications provided in Attachment 11, Florida School Bus Specifications, Revised 2019.
4.33 **WARRANTY/SUBSTITUTIONS**
A warranty is required on all items purchased against defective materials, workmanship, and failure to perform in accordance with required industry performance criteria. Any deviation from these criteria must be documented in the bid response or the above statement shall prevail. Delivery of substitute commodities requires prior written approval from the department.

The selected bidder, upon receiving award and entering into a contract with the department, must warrant that all materials and services delivered to the department and purchasers pursuant to the contract conform to all of the specifications contained or referred to herein. The bidder must comply with warranty requirements provided in Attachment 11 - Florida School Bus Specifications, Revised 2019. Failure or neglect of the department to require compliance with any term or condition of the contract or specifications shall not be deemed a waiver of such term or condition. The awarded contractor, by entering into a contract with the department, warrants and represents that all materials and services delivered to the department and purchasers pursuant to the contract conform to all of the specifications included or referred to in the ITB document, attachments and addenda.

By submitting this bid, the bidder agrees to accept, process and pay within 45 days properly completed warranty claims on behalf of purchasing school districts via any paper forms, electronic system, or Internet-based warranty system that may be available. The warranty process will be initiated with the bidder or bidder’s representative, who will either perform the warranty repairs or facilitate the warranty repairs if they are performed by another entity. Completed claims for warranty reimbursement not paid within 45 days shall incur 3 percent penalties for 0-30 days’ late payment.

4.34 **PRODUCT REQUIREMENTS/SPECIFICATIONS**
Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it may be considered that items offered are in strict compliance with these specifications, and Contractor will be held responsible therefor. Deviations must be explained in detail on separate attached sheet(s).

4.35 **ACCEPTANCE**
All buses shall be inspected and accepted or rejected by an authorized representative of the school board or other purchasing entity within 10 business days of delivery or pickup of the completed units. Districts that take delivery on a quantity greater than five school buses within a two-day period shall be allowed one extra day for the number of buses over five. For example, a district that takes delivery of eight school buses within a two-day period shall be allowed 13 business days to inspect and accept or reject the buses. Should any agency purchasing a bus not be satisfied that the requirements of the specifications have been met, representatives of the Florida Department of Education, School Transportation Management Section (STMS); the Florida Department of Management Services; State Purchasing and the purchasing agency shall have the right to inspect the unit and issue an order of acceptance or rejection.

Purchasers must inspect the vehicle and compare the purchase order and the bidder’s invoice, as well as the bidder’s pre-delivery inspection form, to ensure that the vehicle meets or exceeds the requirements of Attachment 11 - Florida School Bus Specifications, Revised 2019, and the purchase order. Purchasers must also inspect the vehicle for physical damage. Failure of the purchaser to discover an error (excluding physical damage) in the vehicle’s components relating to specifications compliance and proper operation (subject to applicable warranties) will not relieve the bidder from correcting the error in the event it is found after the vehicle is accepted by the purchaser.
Delivery of the vehicle to a purchaser does not constitute acceptance for the purpose of payment. Final acceptance and authorization of payment shall be given only after a thorough inspection indicates that the vehicle meets contract specifications and is in ready-to-use condition.

At the time of the inspection, should the delivered vehicle differ in any respect from required specifications or exhibit poor fit, finish or quality, 5 percent of the payment for the specific vehicle may be withheld until such time as the bidder completes necessary corrective action.

Vehicles provided under this bid are not considered "delivered" until:
   a. They are physically on the purchasing district’s property,
   b. They are in ready-to-use condition, and
   c. The manufacturer’s certificate of origin (MCO), PDI form, manuals and all associated literature have been delivered.

Language in this document takes precedence over any conflicting language in the General Contract Conditions (Form PUR 1000) and General Instructions to Respondents (Form PUR 1001).

SECTION 5– SPECIAL TERMS AND CONDITIONS

5.0 PRE-BID CONFERENCE: A PRE-BID CONFERENCE WILL NOT BE HELD.

5.1 PERFORMANCE BOND

A performance bond or cashier’s check will be required of all Contractors of Type A, C and D school buses and will be held by the Florida Department of Education, STMS, as surety of full, complete and timely performance on any and all orders duly issued against the contract. The performance bond may be used to provide coverage for ALL aspects of compliance with the contract including, but not limited to, liquidated damages for delayed delivery, specifications compliance, warranty compliance and reprocurement procedures, in the event of contract non-compliance or default.

Contractors agree to furnish, within ten days after award of bids, at no additional cost to the department and school districts, a performance bond or cashier’s check in the amount of $750,000 for Type C and D bidders and $100,000 for Type A-only bidders to guarantee full and complete performance of the contract. Such bond, if provided, shall be issued to the Florida Department of Education and Purchasing School Districts with language that specifies coverage for compliance with all aspects of the contract, including any liquidated damages. The bidder shall be responsible for reviewing the adequacy of the bond and ensuring it provides the coverage required by this contract. Failure of the bond to provide the required coverage shall not absolve the bidder of responsibility for the required level of financial and other obligations. The bond shall be provided from a reliable surety company, licensed to do business in the State of Florida and acceptable to the Florida Department of Education. To be acceptable to the Florida Department of Education as surety for performance bonds, a surety company shall comply with the following provisions:

1) The surety company must be qualified to do business in the State of Florida.
2) The surety company shall have been in business and have a record of successful continuous operation for at least five years.
3) All bonds shall be signed by a Florida licensed resident agent who holds a current power of attorney from the surety company issuing the bond.
5.2 INSURANCE, WORKERS’ COMPENSATION
During the contract term, the contractor at his/her sole expense shall provide commercial insurance of such a type and with such terms and limits as may be reasonably associated with the contract, which, at a minimum, shall be: workers’ compensation and employer’s liability insurance in accordance with chapter 440, F.S. Such policy shall cover all employees engaged in any contract work.

Employers who have employees who are engaged in work in Florida must use Florida rates, rules and classifications for those employees. In the construction industry, only officers of a corporation or any group of affiliated corporations may elect to be exempt from workers’ compensation coverage requirements. Such exemptions are limited to a maximum of three per corporation, and each exemption holder must own at least 10 percent of the corporation. Independent contractors, sole proprietors and partners in the construction industry cannot elect to be exempt and must maintain workers’ compensation insurance.

5.3 INSURANCE, GENERAL LIABILITY
The contractor shall take out and maintain during the life of this agreement Comprehensive General Liability as shall protect him from claims for damage for personal injury, including accidental death, as well as claims for property damages that may arise from operating under this agreement, whether such operations are by contractor or by anyone directly or indirectly employed by contractor, and the amount of such insurance shall be the minimum limit, as follows:

- Contractor's Comprehensive General Liability Coverage, Bodily Injury & Property Damage - $100,000 Each Occurrence, Combined Single Limit

The certificate(s) of insurance must comply with the following standards:

- No exclusions or restrictions in coverage will be accepted.
- The insurance coverage must be with an insurance company with a Best’s rating of “A” or better.
- The certificate must include a 30-day notice of cancellation.
- The department must be listed as an “additional insured” on coverage.

5.4 INDEMNIFICATION
Contractor agrees to indemnify, hold harmless and defend, at his/her own expense, including reasonable attorney’s fees, the department and its employees against any and all claims or suits for property loss or damage and/or personal injury, including death, to any and all persons, of any kind and character, whether real or asserted, arising out of and in connection with contractor’s negligence, intentional acts or omissions related to its performance under the contract.

5.5 SCRUTINIZED COMPANIES LISTS
S. 287.135, F.S., requires that, at the time a company submits a bid or proposal for a contract for goods or services of $1 million or more, the company must certify that it is not on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Both lists are created pursuant to s. 215.473, F.S.

Bids of $1 million or more should include the attached Scrutinized Companies Lists Form (Attachment 5) to certify the respondent is not on either of those lists. The form should be submitted with the technical reply.
SECTION 6 – SCOPE OF SERVICES

6.0 SCOPE OF SERVICES

S. 1006.27, F.S., states that the department shall assist district school boards in securing school buses at prices that are as reasonable as possible by providing a plan under which district school boards may voluntarily pool their bids for such purchases. The department, in cooperation with the Florida Department of Management Services, has prepared and awarded term contracts for the purchase of various types of school buses and optional equipment, and made the contracts available to district school boards in order to facilitate this service.

6.1 DELIVERABLES (Status Reports)

The Contractor(s) is required to furnish, on at least a monthly basis, a status report of all units ordered by eligible users from this bid or local purchasing agreements, following the format prescribed in Attachment 9 – File Structure for Required Status Report. This report shall be submitted electronically in the same format. These monthly status reports shall be sent to the Florida Department of Education, STMS, 834 Turlington Building, 325 West Gaines Street, Tallahassee, Florida 32399-0400 or emailed to SCHTRANS@fldoe.org. This information shall be provided on an ongoing basis until all units ordered by eligible users from this bid or local purchasing agreements are delivered. Failure to submit the aforementioned reports on time and in the proper format may be considered when determining the Contractor’s fitness for the next bid.

A sample status report, as specified in Attachment 9 – File Structure for Required Status Report, shall be provided with the bid response.

6.2 LIQUIDATED DAMAGES

The Contractor’s failure to complete purchased school buses both correctly and on time will result in substantial injury to purchasing school districts, but the amount of damages resulting from such injury cannot be calculated with certainty. Each failure to complete a school bus correctly and on time is hereinafter referred to as a default. Defaults shall be deemed corrected on the day that the school bus has been delivered in ready-to-use condition. "Ready-to-use" shall be defined as meeting all applicable specifications, with all equipment functioning properly and without substantive defects (as determined by the purchaser or the Florida Department of Education, STMS). For each default, the contractor shall be liable to the purchasing school district for liquidated damages, as set forth herein.

Buses not ready for pickup or not delivered to the purchasing school district (as specified by purchaser) in ready-to-use condition by the dates specified in section 7.17 will be assessed liquidated damages of $25 per bus, per calendar day that delivery is late for non-lift units and $50 per bus, per calendar day that delivery is late for units equipped with wheelchair lifts.

a. Calculation of Liquidated Damages

Eligible users will be responsible for calculating, assessing and collecting liquidated damages.

Delays in delivery caused by strikes at the bidder’s or chassis manufacturer’s plant, acts of God or circumstances beyond the control of the company are excepted.

b. Collection of Liquidated Damages

Purchasing school districts and the FSDB will be permitted to deduct calculated liquidated damages for late delivery from the payment for the bus. Purchasing school districts and the FSDB are required to notify the bidder, in writing, at least 30 days in advance of their intent to deduct liquidated damages in a specified amount
and provide the bidder an opportunity to resolve or adjust the calculation of the damages prior to their assessment.

Language in this document takes precedence over any conflicting language in the attached General Contract Conditions (Form PUR 1000) and General Instructions to Respondents (Form PUR 1001).

SECTION 7 – SPECIAL INSTRUCTIONS – BID RESPONSE FORMAT & CONTENT

7.0 BID RESPONSE SUBMISSION

Bid responses are due as specified in Section 3.3 – Schedule of Events.

Mailed or Delivered To: Florida Department of Education
Bureau of Contracts, Grants and Procurement Management Services
Attn: ReGina Register
325 West Gaines Street, Room 332
Tallahassee, Florida 32399-0400

Bids received after this time and date may not be considered. By submitting a bid response, the bidder represents that he or she understands and accepts the terms and conditions to be met and the character, quality and scope of commodities to be provided. All bid responses and associated forms should be signed and dated in ink by a duly authorized representative of the bidder.

Each bidder should fully acquaint himself or herself with the conditions relating to performance requirements under the conditions of this ITB. All bid prices should be submitted on the sheets provided in this ITB. All bid prices must remain firm until December 31, 2021.

All bid responses and related documents submitted in response to this ITB shall become the property of the State of Florida.

7.1 BID CONDITIONS

No conditions may be applied to any aspect of the ITB by the prospective bidder. Any conditions placed on any aspect of the bid documents by the prospective bidder may result in the bid response being rejected as a conditional bid. All bid submissions must be typed into the pricing spreadsheet pages. DO NOT WRITE IN CHANGES ON ANY ITB SHEETS. The only additional recognized changes to the ITB prior to bid opening will be by written addendum issued by the department.

7.2 BID RESPONSE FORMAT INSTRUCTIONS

This section contains instructions that describe the required format for the bid. All bids submitted should be marked as follows:

Bid Number: ITB 2020-16
COMPANY NAME
CONTACT PERSON NAME AND PHONE
Opening Date/Time: OCTOBER 23, 2019 @ 9:15 A.M. ET.

The bidder should submit one original, one hard copy, and two copies in electronic format (flash drive, compact disc, etc.) in Microsoft Word 5.0 or higher or Microsoft Excel 5.0 or higher. Additionally, the bidder should provide all submitted pricing pages in Microsoft Excel 5.0 or higher format. Since the department
will expect all bids to be in this format, failure of the bidder to follow this requirement may result in the rejection of the bid.

**Section 1**

- **Transmittal Letter**

  The bidder should provide a transmittal letter on company letterhead) that contains the following statements:

  - A statement that the person signing the bid response is authorized to represent the bidder and bind the bidder relative to all matters contained in the bidder's bid response.
  - Company’s federal tax identification number.
  - Company’s DUNS number.
  - A statement that the bidder has read, understands and agrees to all provisions of this ITB. By submitting a bid, the bidder agrees to the terms and conditions of the ITB notwithstanding any statement in the bid to the contrary.
  - A statement that the bidder is authorized to conduct business in Florida. In lieu of such statement, the bidder should alternatively represent that he/she will secure authorization to do business in Florida prior to contract execution.
  - A statement that the bidder is registered on the MyFloridaMarketPlace Website. In lieu of such statement, the bidder should alternatively represent that he/she will complete such registration authorization prior to contract execution.
  - A statement that the bidder has electronically registered a valid W-9 with the Department of Financial Services (DFS). DFS is ready to assist any vendors with questions, and vendors must submit their W-9 forms electronically at https://flvendor.myfloridacfo.com. Contact the DFS at 850-413-5519 or FLW9@myfloridacfo.com with any questions.
  - When applicable, bidder should address small, minority, women and service-disabled veteran business enterprise participation in the transmittal letter.

  The Bidder is encouraged to limit the letter to no more than two pages.

**Section 2**

- Attachment 1 - Vendor’s Bid Pricing Sheets for base buses and options, each page signed or initialed
- Attachment 2 - Disclosure Statement
- Attachment 3 - Drug-Free Workplace Form
- Attachment 4 - Minority Certificate
- Attachment 5 - Scrutinized Companies Lists
- Attachment 7 - Bidder Representation
- Attachment 8 - Purchase Order Preference/Customer Contact Preference Form
- Attachment 9 - File Structure for Required Status Report
- Attachment 12 - Letter representing that buses will meet all applicable Federal Motor Vehicle Safety Standards, and representing the adequacy of Gross Axle Weight Ratings (GAWRs)
- Attachment 13 - Letter representing that lift installation will be in compliance with Florida’s specifications
- Attachment 14 - Estimated delivery dates for Type A, C and D chassis delivery supplied by chassis manufacturer
- Attachment 15 - Letter acknowledging the financial consequences as specified in section 6.2
- Attachment 16 - Letter specifying the seat covering material manufacturer and model number
- Attachment 17 - Letter stating that all Type C and D buses will meet chassis performance specifications
- Attachment 18 - PDI program outline as specified in section 7.9
• Attachment 19 - All addenda (if applicable; should be signed by authorized company representative)

7.3 **GENERAL BID REQUIREMENTS**

All terms and conditions as outlined, and specifications given for school bus bodies and school bus chassis in Attachment 11 - Florida School Bus Specifications, Revised 2019, are a part of this bid.

Each bidder shall bid **ALL OR NONE OF EACH BUS CONFIGURATION**. A bid on only a portion of the units in any one configuration will not be accepted.

Language in this document takes precedence over any conflicting language in the General Contract Conditions (Form PUR 1000) and General Instructions to Respondents (Form PUR 1001).

7.4 **ESTIMATED QUANTITIES**

It is anticipated that eligible users will purchase approximately 1,000 total buses under contracts resulting from this bid. The types and total dollar figures from the previous two bids are as follow:

<table>
<thead>
<tr>
<th>TYPE</th>
<th># PURCHASED</th>
<th>TOTAL DOLLARS</th>
<th># PURCHASED</th>
<th>TOTAL DOLLARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0</td>
<td>0</td>
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<td>1,719</td>
<td>$183,776,615.09</td>
</tr>
<tr>
<td>D</td>
<td>16</td>
<td>$2,050,698.00</td>
<td>13</td>
<td>$1,125,523.00</td>
</tr>
<tr>
<td>Total</td>
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<td>$227,368,720.30</td>
<td>1,732</td>
<td>$184,902,138.09</td>
</tr>
</tbody>
</table>

**NOTE:** These figures are provided only as a guideline for preparing your bid and should not be construed as representing actual figures under the contract.

7.5 **DEALER-OFFERED OPTIONS AND SALES INCENTIVES**

Occasionally, a customer may request a vehicle option that is not included on this contract. Additional dealer-offered options may **NOT** be offered after the bid opening.

Contractors are prohibited from offering sales incentives not specifically included within this ITB, such as rebates, parts credits, extended warranties, etc. Contractors shall also notify component, equipment and service suppliers that they may not offer such incentives, and shall notify the STMS immediately if they become aware of any such offers or transactions. Liquidated damages of $2,000 for each violation will be enforced, and violators may be removed from the bidders list.

7.6 **ORDERING INSTRUCTIONS**

The following ordering process will be adhered to by all eligible users desiring to purchase buses from this bid:

1. Entity will first submit purchase order (made out to the awarded bidder) to the Florida Department of Education STMS for review and approval. Contractors receiving purchase orders not approved by the STMS must **immediately** forward them to the STMS for review/approval.

2. Purchase orders that have been cleared by the STMS will bear a stamp showing the applicable purchase plan, date of processing and processor’s initials. Purchase orders that reach the Contractor without the STMS stamp shall not be considered processed and cleared by the STMS and must be rerouted to the STMS office.

7.7 **TECHNICAL DOCUMENTATION**

All products bid must meet or exceed all conditions and specifications of the ITB. When technical documentation is required by the STMS, its purpose is to demonstrate compliance of the product bid with applicable technical requirements of the ITB or to allow a technical evaluation of the product. The STMS may,
at its discretion, determine the technical acceptability of the products offered through the use of any technical documentation available within the STMS as of the date and time of bid opening and evaluation. Such authority of the STMS shall in no way relieve the bidder from the ultimate responsibility to provide any required technical documentation, nor shall any bidder assume that such documentation is otherwise available to the STMS. The state shall not be responsible for the accuracy of the technical documentation in its possession.

7.8 PILOT MODEL INSPECTIONS
The Contractor is responsible for providing a pilot model of each size and type bus awarded for inspection by representatives of the STMS. The pilot model inspection may take place at the assembly plant or other inspection facility. Units equipped with wheelchair lifts shall be made available for pilot inspection first. The Contractor shall incur expenses associated with travel and per diem for the pilot model inspection for up to two persons from the STMS and one representative from each school district that purchased one or more buses included in the pilot inspection. If a representative of the purchasing school district is not available for the pilot model inspection, a member of the Florida Association for Pupil Transportation (FAPT) Specifications Committee may substitute upon request. If specifications or quality problems are noted as part of the initial inspection, or if some equipment cannot be inspected during the initial pilot inspection, the STMS reserves the right to require the Contractor to pay all costs involved for two persons selected by STMS to conduct a follow-up inspection at the assembly plant. Alternatively, such follow-up inspection may be required in Tallahassee, Florida, as determined by the department. Regular production of school buses shall not be scheduled until specifications and quality have been determined to meet Florida school bus requirements.

7.9 PRE-DELIVERY INSPECTIONS
Contractors will be required to perform and document a Florida-specific pre-delivery inspection of each unit prior to delivery to the purchasing school district. This inspection shall include all items and be documented on the Pre-Delivery Inspection (PDI) form included in Attachment 10 of this document. These inspections shall be conducted by Contractor representatives trained and certified as Florida school bus inspectors by the department. Inspector training and certification will be provided by the department, at each Contractor’s expense. It is each Contractor’s responsibility to ensure that all components of his/her products are properly inspected and documented.

A completed copy of the PDI form shall accompany each unit delivered for district verification. Any items found to be missing; inoperative; out of compliance with Florida specifications; out of compliance with the criteria outlined in the Florida School Bus Safety Inspection Manual; or of poor fit, finish or quality shall be repaired and/or replaced prior to delivery to the purchasing school district.

The department and/or purchasing district personnel may additionally conduct random post-delivery inspections on units that have previously been inspected by the Contractor or manufacturer. Such units may be inspected with little or no notice to the Contractor at the assembly plant or other inspection facility at no expense to the Contractor.

7.10 CONTRACT
The department’s contract for Type A, Type C and Type D school buses and optional equipment is incorporated in this ITB as Attachment 6. The contract may be executed with a responsive and responsible bidder who submits price quotes within 10 percent of the lowest price for a configuration. The contract will govern the relationship between the Contractor and the department. In the event there is a conflict between the requirements of this ITB and those of the contract, the requirements as stated in the ITB shall apply. When bid calculations are successfully concluded, a written contract will be executed that will incorporate the following
documents as each was changed or affected by the calculation. The order of priority in the event of conflicts between contract documents is:

- Addenda to this ITB
- This ITB
- Department contract
- Award letter
- Contractor’s response

7.11 **VARIATION OR SUBSTITUTION OF EQUIPMENT**
Substitution of equipment on which information or pricing are specifically requested as part of this ITB will not be allowed. Liquidated damages of $2,000 for each violation will be enforced, and violators may be removed from the list of qualified Contractors. Liquidated damages will be deposited in the Education Trust Fund.

Language in this document takes precedence over any conflicting language in the attached General Contract Conditions (Form PUR 1000) and General Instructions to Respondents (Form PUR 1001).

7.12 **MYFLORIDAMARKETPLACE**
In the event that there is a MyFloridaMarketPlace fee for school buses purchased under this contract, the Contractor may pass the cost on to the purchasing entity. This potential cost will not be factored into the bid award calculation.

7.13 **CONTACT BETWEEN CONTRACTOR AND THE DEPARTMENT AFTER AWARD OF CONTRACT**
A staff member from the department will be assigned to be the project manager and will be responsible for the implementation of the contract resulting from this ITB:

The bidder shall designate at least one contract manager with responsibility to the State of Florida who should remain readily available by telephone, cellular phone or email for unresolved contract concerns and be responsible for managing said concerns with the assembly plant, dealer or other entity, as appropriate. The bidder’s contract manager and full contact information shall be included in the transmittal letter.

7.14 **TERMINATION FOR CAUSE**
The department reserves the right to immediately terminate the contract by providing written notice to the Contractor if the department determines any of the following has occurred:

- Contractor fails to perform to the department’s satisfaction any material requirement of the contract; or
- The action or inaction of the Contractor substantially endangers the execution of the contract, or such occurrence can be reasonably anticipated.

7.15 **DELIVERY PRICING ADJUSTMENT**
In accordance with Form PUR 1000, item 4(e), the department may make an equitable adjustment in the contract terms for delivery pricing related to increased costs of diesel fuel based on the index below. This index is subject to the Department of Energy National Average Fuel Price Index. The index will be reviewed on June 30, 2020 and June 30, 2021. Subsequent price changes, if any, will become effective upon notification to district transportation officials.
7.16 **RECALL NOTIFICATIONS**

The National Traffic and Motor Vehicle Safety Act (originally enacted in 1966 and now recodified as 49 U.S.C. Chapter 301) gives the United States Department of Transportation’s National Highway Traffic Safety Administration (NHTSA) the authority to issue vehicle safety standards and to require manufacturers to recall vehicles that have safety-related defects or do not meet federal safety standards. Contractor(s) will be responsible for ensuring that the department is notified of all NHTSA safety recalls related to vehicles purchased from contracts resulting from this invitation to bid. Such notification shall include an electronic list of affected vehicles in either Microsoft Excel or Access format. Other electronic formats may not be substituted without prior approval.

7.17 **TIMELINES**

Purchase orders will be accepted from January 1, 2020 through December 31, 2021. The required delivery date will be 240 days from the date the Contractor and/or Contractor’s representative(s) receives the district’s electronic purchase order notification after processing by the department.

Bidder must furnish a schedule showing the cost of delivery of each completed unit from the manufacturing plant to the county seats of Florida, by region, as requested on Attachment 1 Vendor’s Bid Pricing Sheet. This data shall be used in determining the Contractor. Any purchaser may elect to accept delivery of the buses included in the order at the factory. When delivery by the Contractor is specified, the Contractor shall deliver buses to the applicable district or agency’s central school bus garage or main office of a purchasing private school. **Purchasers opting for delivery of their completed bus(es) must be contacted by the school bus Contractor to schedule final delivery five business days prior to the delivery of their completed units. Deliveries shall be scheduled between the hours of 8 a.m. and 5 p.m., Monday through Friday, excluding holidays.**

Language in this document takes precedence over any conflicting language in the attached General Contract Conditions (Form PUR 1000) and General Instructions to Respondents (Form PUR 1001).

7.18 **ESTIMATED DELIVERY DATES**

For all buses bid as complete units for which chassis and bodies are to be built by separate manufacturers, the bidder shall be responsible for securing from the chassis manufacturer estimated delivery dates for the completed chassis to the body plant, based upon the chassis ordering time lines specified or required to meet the completed unit delivery time lines called for in this request for bids. **Estimated delivery dates should be submitted as part of the bid response package.**

7.19 **REPRESENTATIONS**

As part of this bid, each bidder should represent in a letter to be included with the bid that each unit sold by the bidder’s company or representative for school buses will meet Attachment 11 - Florida School Bus...
Specifications, Revised 2019; National School Transportation Specifications and Procedures, Revised 2015; and all applicable Federal Motor Vehicle Safety Standards.

This letter should also represent that the chassis furnished will have adequate gross axle weight ratings (GAWRs), front and rear, for mounting and representing bodies meeting Florida School Bus Specifications. The letter should be submitted as part of the bid response.

In the event that a Type A or C bus is manufactured by separate chassis and body manufacturers, each bidder should represent by letter any and all specifications as required in the paragraph above.

As per Attachment 11 - Florida School Bus Specifications, Revised 2019, for wheelchair lifts and installations, the Contractor will be required to comply with all applicable design testing pertaining to the installed lift. A letter indicating such compliance will be required before buses equipped with wheelchair lifts may be delivered.

The bidder should submit with the bid written representation that the lift will be installed according to lift manufacturer's specifications and Florida specifications.

Please include as part of your bid an attachment providing information on the seat covering material to be supplied on buses sold via the bid. This information should include the name of the company supplying the material and the name or number designation for the material. NOTE: The seat covering material as bid must be provided throughout the term of the bid and may not be subject to substitution or change.

7.20 FLOOR PLAN (ORDER CONFIRMATION)
Upon receipt of the purchase order(s), the bidder shall provide the purchaser one line drawing for every configuration ordered. The line drawing will inform the purchaser of the unit's floor plan, including air-conditioning evaporator locations, and will also serve as bidder confirmation of the order.

7.21 WHEELCHAIR LIFT BUS REQUIREMENTS
Florida School Bus Specifications require wheelchair lift school buses to be offered with wheelchair lifts mounted in front of and behind the rear wheels, except for body sizes on which both locations are not available. Wheelchair lift bus (WLB) seating capacity shall be based on the maximum regular student seating that can be accommodated with the standard three wheelchair spaces per bus (see specifications for wheelchair space dimensions, minimum aisle width, barrier requirements and other pertinent WLB specifications), as follows:

NOTE: Maximum available regular student seating shall be made available with the specified number of wheelchair spaces, whenever possible, consistent with specifications (usually with wheelchair spaces rearward and 39-inch seats forward). 29-capacity Type C wheelchair lift buses must be bid with an extra body section or spacing, as required, to ensure availability with the lift mounted behind the rear wheels.

- **TYPE A1 WLBs**, 19-29 capacity - Net 1 in wheelchair, maximum number available in regular seats.
- **TYPE A2 WLBs**, 30-47 capacity - Net 2 in wheelchairs, maximum number available in regular seats.
- **TYPE C WLBs**, 29-77 capacity - Net 3 in wheelchairs, maximum number available in regular seats.
- **TYPE D WLBs**, all sizes - Net 3 in wheelchairs, maximum number available in regular seats.
7.22 TRAINING, EQUIPMENT AND PUBLICATION REQUIREMENTS

A. Wheelchair Lift and Body Service Training
The Contractor "shall be responsible for providing or arranging wheelchair lift service training as needed." This training shall include, at a minimum, one-day training seminars on overall features, operation, preventive maintenance, diagnosis and rebuild of wheelchair lifts offered through the bid. The seminars are to be conducted free of charge at district garage locations. At least one seminar on each given lift model shall be conducted per five school districts purchasing a bus or buses equipped with that lift. The Contractor shall also be responsible for providing eight one-day body service training seminars in conjunction with the Florida Summer Technicians Workshop (or equivalent, as determined by the STMS).

B. Chassis/Engine Training
The Contractor of Type A, C and D school buses shall be responsible for providing chassis service training as needed. These seminars are to be conducted free of charge at district garage locations. This training shall include, at a minimum, one-day training seminars on overall features, tune-up, diagnosis and preventive maintenance of diesel engines or other major chassis components offered through this bid (at the discretion of the STMS). At least one seminar on each given diesel engine model or other major component shall be conducted per four school districts purchasing a bus or buses equipped with that engine or componentry. Additionally, the bidder will be responsible for providing eight days of training in conjunction with the Florida Summer Technicians Training seminar. Training to be supplied by the bidder shall include provisions for supplying and transporting to each location a live training engine and/or other components, training aids and student handouts pertinent to the instruction. The STMS may provide assistance in organizing the training.

C. Air-Conditioning
The successful Type C and D bus bidder shall be responsible for providing or arranging air-conditioning training as needed. The training seminars are to be conducted free of charge at district garage locations. This training shall include, at a minimum, one-day training seminars on overall features, operation, preventive maintenance, diagnosis and repair of optional air-conditioning systems offered through the bid. At least one seminar on each given air-conditioning manufacturer’s system shall be conducted per five school districts purchasing a bus or buses equipped with that optional air-conditioning system. The Contractor shall also be responsible for providing eight days of training in conjunction with the Florida Summer Technicians Training seminar.

D. Service Manuals
The successful Type C and D bus bidder is responsible for providing each school district purchasing one or more units prior to or concurrent with delivery of buses one service manual per shop location, giving complete coverage of models purchased, including chassis and bodies. The service manuals shall contain all instructions, pictures and line drawings necessary for the maintenance, repair and rebuilding of all chassis, power train, antilock, air or hydraulic brake system components and body components. Chassis manuals shall include complete coverage of the engine, including all rebuild and service procedures. The service manuals shall contain all instructions, pictures and line drawings necessary for the maintenance, repair and rebuilding of all body components. This requirement may be fulfilled via use of a portable electronic storage medium or online access to an Internet site with the required information.
E. Parts Manuals
The Contractor is responsible for providing each school district purchasing one or more units prior to or concurrent with delivery of buses one parts catalog per shop location, giving complete coverage of models purchased, including chassis and bodies. Parts manuals shall include component part numbers and illustrations that clearly allow easy identification of component and sub-component parts. This requirement may be fulfilled via use of a portable electronic storage medium or online access to an Internet site with the required information.

Delivery of service and parts manuals, or electronic access thereto, shall be confirmed to the STMS no later than five business days after delivery of the buses. Failure to provide the manuals, electronic files or Internet access within five business days of delivery of buses may be considered when determining the bidder's fitness for the next bid. Internet access to a manual or at least one representative set of manuals or compact disks shall also be provided to the STMS.

7.23 SERVICE REQUIREMENTS
When inadequate dealer support, lack of parts availability or other factors result in downtime of bus(es) due to chassis, body or component problems subject to coverage under the warranties required via this bid, the Florida Department of Education, STMS, shall reserve the right to determine when downtime has become excessive. Downtime (for each given service problem) of five business days or fewer (consecutive or otherwise) shall not be deemed excessive for the purpose of these provisions. In instances when the STMS has determined that downtime is excessive, the STMS shall reserve the right to require on-site or other distributor or factory-level service representation and assistance as needed to resolve the problem. Items delivered not conforming to specifications may be rejected and returned at vendor’s expense. These items and items not delivered as per delivery dates specified in the bid may result in bidder being found in default, in which event any and all reprocurement costs may be charged against the defaulting contractor. Any violation of these stipulations may also result in the cancellation of this contract in whole or in part with 30 days’ prior notice in writing and supplier’s name being removed from the state purchasing vendor mailing list.

7.24 MANUFACTURER’S CERTIFICATE OF ORIGIN
Florida law requires a second-stage manufacturer’s certificate of origin (MCO) if a chassis is built by one manufacturer, then delivered to another manufacturer for the purpose of manufacturing a complete vehicle. The Contractor is responsible for providing this second-stage MCO for all Type A and C units if chassis for these units are built by a different first-stage manufacturer. Additionally, the Contractor is also responsible for providing a second-stage MCO for Type D units if the chassis and body are produced by different manufacturers. The Contractor of Type C and D units built by the same manufacturer as a complete unit (chassis and body) shall supply a single MCO.

7.25 ALTERNATIVE FUEL ENGINE OPTION
Bidders who are able to provide a compressed natural gas (CNG), liquid propane (LP), electric or plug-in hybrid electric vehicle, fuel cell or diesel/electric hybrid-powered school bus should include pricing on the optional alternative engine pricing sheet. The price should reflect ALL additional costs associated with this option. Please include or attach a summary explanation of modifications, if any, that would be required for the alternative fuel engine option.

7.26 DISCLOSURE OF ACCIDENT(S) OR MECHANICAL BREAKDOWN
If a school bus is involved in an accident or if it has experienced mechanical breakdown prior to delivery, bidders are required to disclose such information to the purchasing school district or FSDB upon delivery.
SECTION 8 – SUBMITTALS AND EVALUATION

8.0 PRELIMINARY SUBMITTAL REVIEW
The absence of any of these documents may result in a bid response being deemed non-responsive and not evaluated. The bid forms furnished should be used when submitting your response. Forms should be filled out in ink or typewritten, SIGNED AND DATED with no alterations or amendments made, and enclosed with a signed cover letter. **Submittal information should consist of the following:**

The bidder should submit **one original, one hard copy of the original and one electronic copy** of the entire bid response. Since the department will expect all bids to be in this format, **failure of a bidder to follow this requirement may result in the rejection of a bid.**

**Section 1**
- Transmittal Letter (completed on company letterhead)

**Section 2**
- Attachment 1 - Vendor's Bid Pricing Sheets for base buses and options, each page signed or initialed
- Attachment 2 - Disclosure Statement
- Attachment 3 - Drug-Free Workplace Form
- Attachment 4 - Minority Certificate
- Attachment 5 - Scrutinized Companies Lists
- Attachment 7 - Bidder Representation
- Attachment 8 - Purchase Order Preference/Customer Contact Preference Form
- Attachment 9 - File Structure for Required Status Report
- Attachment 12 - Letter representing that buses will meet all applicable Federal Motor Vehicle Safety Standards and representing the adequacy of Gross Axle Weight Ratings (GAWRs)
- Attachment 13 - Letter representing the power lift installation will be in compliance with Florida’s specifications
- Attachment 14 - Estimated delivery dates for Type A, C and D chassis delivery (supplied by chassis manufacturer)
- Attachment 15 - Letter acknowledging liquidated damages, as specified in section 6.2
- Attachment 16 - Letter specifying the seat covering material manufacturer and model number
- Attachment 17 - Letter stating that all Type C and D buses will meet chassis performance specifications
- Attachment 18 - PDI program outline as specified in section 7.9

8.1 POSTING OF BID TABULATION
The bid tabulation will be posted at the Department’s Bureau of Contracts, Grants and Procurement Management Services, 332 Turlington Building, 325 West Gaines Street, Tallahassee, Florida, and on the VBS as specified in **Section 3.3 - Schedule of Events**, and will remain posted for a period of 72 hours.

8.2 PROTEST OF BID TABULATION OR PROCUREMENT TERMS
Any bidder who is adversely affected by the department’s recommended award or intended decision must file a written “Intent to Protest” with the department at the address of posting. See **Section 4.4 - Procurement Protests/Notice of Rights** for protest information.

8.3 INABILITY TO POST
If the department is unable to post as outlined above, the department will notify all bidders by posting a notice on the VBS. The department will provide written notification via the VBS of any future posting in a timely manner.
8.4 AWARD OF THE CONTRACT
Services will be authorized to begin when the contractor receives a fully executed contract from the department’s contract administrator and the department receives the performance bond from the contractor.

8.5 SUBMISSION OF ALTERNATE RESPONSES
A company, its subsidiaries, affiliates and related entities should submit only one response. Submission of more than one response may cause the rejection of all responses submitted. In the alternative, the department may decide, in its sole discretion, which response to evaluate and consider. A company may not propose to serve as the prime contractor in one response and as a subcontractor in a different response.
**LEGEND:**

- **STD** = STANDARD EQUIPMENT
- **N/A** = NOT APPLICABLE
- **N/C** = NO CHARGE
- **N/B** = NO BID
- **[STD]** = STANDARD EQUIPMENT

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**OPTIONAL CHASSIS EQUIPMENT PRICES**

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### Optional Engines
- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type

### Seating Capacity for Front-Mounted Lift Equipped Buses with Raised/Flat Floor
- Standard Number of Wheelchair Spaces:
- Maximum Number of Wheelchair Spaces:
- Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:

### Seating Capacity for Rear-Mounted Lift Equipped Buses
- Standard Number of Wheelchair Spaces:
- Maximum Number of Wheelchair Spaces:
- Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:

### Warranty Options
- Extended Engine Warranty: Manuf, Model, HP, Torque, fuel type
- Extended Engine Warranty: Manuf, Model, HP, Torque, fuel type
- Extended Engine Warranty: Manuf, Model, HP, Torque, fuel type

### Luggage Compartments (Price is for ONE per bus)
- Baggage compartment availability may be limited based on optional equipment selections.

### Additional Seating Options
- Integrated Child Seats
- Alternative Seating: Lap Belts Only

**Information Submitted for all Items on this Page May Not Be Changed or Substituted under Any Circumstances.**

Date and Signature: ____________________________

- **3 Point Belt Seats**
- **Barriers and KO Windows**
- **ADDITIONAL OPTIONS**

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*By taking the warranty credit, the purchasing district is declining the standard chassis warranty and the standard body warranty and will only have warranty coverage for 12 Months/12,000 Miles (NO EXCEPTIONS) from the updated in-service date of the bus.*
### STANDARD EQUIPMENT / BASE BUS PRICE

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<th>COMMENTS/NOTES</th>
<th>TYPE C LIGHT: 29 Capacity</th>
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### OPTIONAL CHASSIS EQUIPMENT PRICES

- **[C1A]** Front Tow Hooks
- **[C1B]** Rear Tow Hooks
- **[C2]** Spare Disc Wheel
- **[C3]** Auto Trans Warranty (5 yr unlimited)
- **[C4]** 70-100 Gallon Fuel Tank
- **[C5]** Low-Profile Radial Tires
- **[C7]** Type D Front Air Ride Suspension
- **[C8]** 270 Amp L/N 4864 Alternator
- **[C9]** Adjustable Pedals
- **[C10]** 3000-PTS Transmission
- **[C11]** Air Ride Rear Suspension
- **[C12]** Future Use
- **[C13]** Straight Floor
- **[C14]** Auto Headlamp System
- **[C15]** Air Disc Brakes

### OPTIONAL BODY EQUIPMENT PRICES

- **[B1]** Pro Lo Hatch
- **[B2]** Future Use
- **[B3]** Ventil Air Box w/Key
- **[B4]** 9' High Headroom (minimum)
- **[B4A]** Intermix PA
- **[B5]** PA with Radio
- **[B5A]** Stereo Radio (no PA)
- **[B6]** Locking Door at Fuel Tank
- **[B7]** CE White Integrated Child Restraint Seat
- **[B8]** INMT Child Safety Seat
- **[B9]** 8th Integrated Child Restraint Seat
- **[B10]** Exterior Body Light Monitor
- **[B11]** Future Use
- **[B12]** 76'' High Headroom (minimum)
- **[B13]** Lap/Shoulder Belts (PRICE PER UNIT - no reduction in seating capacity)***
- **[B14]** Driver's Seat with Integrated Seat Belt
- **[B15]** Delete W/C - Add Seat (Lift Bus Only)
- **[B16]** Delete Seat - Add W/C (Lift Bus Only)
- **[B17]** Wheelchair Securement Area Lighting (Lift Bus Only)
- **[B18]** Standard Wheelchair Securement Seat (Lift Bus Only)
- **[B19]** Air Disc Brakes
- **[B20]** Future Use
- **[B21]** Wire Pupil Crossing Arm
- **[B22]** Standard Steel Bumper System (with non-corrosive brackets & fasteners)
- **[B23]** Battery Disconnect Switch Label
- **[B24]** Red Light Emergency Door
- **[B25]** Underseat Rear Heater
- **[B26]** Future Use
- **[B27]** Steel Bumper System (with non-corrosive brackets & fasteners)
- **[B28]** Future Use
- **[B29]** Powder-Coated Windows
- **[B30]** Driver's Seat with Integrated Seat Belt
- **[B31]** Delete W/C - Add Seat (Lift Bus Only)
- **[B32]** Delete Seat - Add W/C (Lift Bus Only)
- **[B33]** Air Disc Brakes
- **[B34]** Future Use
- **[B35]** Wheelchair Securement Area Lighting (Lift Bus Only)
- **[B36]** Standard Wheelchair Securement Seat (Lift Bus Only)
- **[B37]** Driver's Seat with Integrated Seat Belt

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**INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.**

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* By taking this warranty credit, the purchasing district is declining the standard chassis warranty and the standard body warranty and will only have warranty coverage for 12 Months/12,000 Miles (NO EXCEPTIONS) from the updated in-service date of the bus.

BAGGAGE COMPARTMENTS (Price is for ONE per bus)

Luggage compartment availability may be limited based on optional equipment selections.

ADDITIONAL OPTIONS

INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.

Date and Signature:
## TYPE C SCHOOL BUSES

### COMMENTS/NOTES

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Integrated Child Seats

Barriers and KO Windows

3 Point Belt Seats

Alternative Seating Lap Belts Only

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**OPTIONAL CHASSIS EQUIPMENT PRICES**

- [C1A] Front Tow Hooks
- [C1B] Rear Tow Hooks
- [C2] Spare Disc Wheel
- [C4] Auto Trans Warranty (5 yr unlimited)
- [C4] 75-100 Gal Fuel Tank*  
- [C5] Low-Profile Radial Tires**  
- [C7] Type D Front Air Ride Suspension  
- [C8] 120 Amp L/N 4864 Alternator  
- [C9] Adjustable Pedals  
- [C10] 3000 PTO Transmission  
- [C11] Air Ride Rear Suspension  
- [C12] Straight Floor  
- [C13] Auto Headlamp System  
- [C14] Air Disc Brakes

**OPTIONAL BODY EQUIPMENT PRICES**

- [B1] Pro Lo Hatch  
- [B2] Future Use  
- [B3] Van Dog Entry Key  
- [B4] 72" High Headroom (minimum)  
- [B5] Intercom/PA  
- [B6] PA with Radio  
- [B7] Intercom/PA with Radio  
- [B8] Steering Radio (no PA)  
- [B9] Locking Door at Front Doors  
- [B10] ECE White Integrated Child Restraint Seat  
- [B12] WARNING Child Safety Seat  
- [B13] Sportech Integrated Child Restraint Seat  
- [B14] BTO Integrated Child Restraint Seat  
- [B16] Future Use  
- [B17] I.S.O. Leg/Shoulder Balls (PRICE PER UNIT - no reduction in seating capacity)  
- [B18] Full Pelt - Ceiling Panel  
- [B19] Bus Lockup System  
- [B20] Wire Pupil Crossing Arm  
- [B21] Stainless Steel Mirror System (with non-corrosive brackets & fasteners)  
- [B22] Battery Disconnect Switch Label  
- [B23] Red Light Emergency Door  
- [B24] Underslung Rear Healer  
- [B25] Tandem Gate Bumper  
- [B26] Tandem Gate Bumper  
- [B27] Powder-Coated Windows  
- [B28] Driver’s Seat with Integrated Seat Belt  
- [B29] Driver’s Seat with Integrated Seat Belt  
- [B30] Driver’s Seat with Integrated Seat Belt  
- [B31] Delete WC/ Add Seat (Lift Bus Only)  
- [B32] Delete Seat - Add WC (Lift Bus Only)  
- [B33] Wheelchair Securement Area lighting (Lift Bus Only)  
- [B34] Track Seating (Lift Bus Only)  
- [B35] Standard Track-seating Seat (Lift Bus Only)  
- [B36] Driver’s Seat with Integrated Seat Belt  

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<tr>
<td>(OPT2) Tire</td>
<td>Type Manuf, Model, Size, Load range</td>
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<td>(OPT4) Tire</td>
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<td>(OPT5) Tire</td>
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**OPTIONAL WHEELCHAIR LIFT #1**

- (OR1) 11 LR: Manuf, Model, # Capacity, Platform width
- (OR2) 21 LR: Manuf, Model, # Capacity, Platform width
- (OR3) 31 LR: Manuf, Model, # Capacity, Platform width

**OPTIONAL WHEELCHAIR TIEDOWN/OCCUPANT RESTRAINT SYSTEM (WTORS)**

- (OPT1) WTORS: Manuf, Model
- (OPT2) WTORS: Manuf, Model
- (OPT3) WTORS: Manuf, Model
- (OPT4) WTORS: Manuf, Model

**AC-1 TO AC-18** OPTIONAL AIR-CONDITIONING

- AC-1: Manuf, Model, (MACA BTU, AMPS)
- AC-2: Manuf, Model, (MACA BTU, AMPS)
- AC-3: Manuf, Model, (MACA BTU, AMPS)
- AC-4: Manuf, Model, (MACA BTU, AMPS)
- AC-5: Manuf, Model, (MACA BTU, AMPS)
- AC-6: Manuf, Model, (MACA BTU, AMPS)
- AC-7: Manuf, Model, (MACA BTU, AMPS)
- AC-8: Manuf, Model, (MACA BTU, AMPS)
- AC-9: Manuf, Model, (MACA BTU, AMPS)
- AC-10: Manuf, Model, (MACA BTU, AMPS)
- AC-11: Manuf, Model, (MACA BTU, AMPS)
- AC-12: Manuf, Model, (MACA BTU, AMPS)
- AC-13: Manuf, Model, (MACA BTU, AMPS)
- AC-14: Manuf, Model, (MACA BTU, AMPS)
- AC-15: Manuf, Model, (MACA BTU, AMPS)
- AC-16: Manuf, Model, (MACA BTU, AMPS)
- AC-17: Manuf, Model, (MACA BTU, AMPS)
- AC-18: Manuf, Model, (MACA BTU, AMPS)

**ADDITIONAL AIR-CONDITIONER OPTIONS**

- Manuf Description
- Manuf Description
- Manuf Description
- Manuf Description
- Manuf Description
- Manuf Description

**OPTIONAL ENGINES**

- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type
- Manuf, Model, HP, Torque, fuel type
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<td>SEATING CAPACITY FOR FRONT MOUNTED LIFT EQUIPPED BUSES WITH BASED/FLAT FLOOR</td>
<td>Standard Number of Wheelchair Spaces:</td>
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<td>Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:</td>
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<td>Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:</td>
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<td>Manuf, Model, 60 Months/150,000 Miles</td>
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<td>12 Months/12,000 Miles Only (* see note)</td>
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<td>* By taking this warranty credit, the purchasing district is declining the standard chassis warranty and the standard body warranty and will only have warranty coverage for 12 Months/12,000 Miles (NO EXCEPTIONS) from the updated in-service date of the bus.</td>
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<td>BAGGAGE COMPARTMENTS (Price is for ONE per bus)</td>
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<tr>
<td>ADDED LUGGAGE COMPARTMENTS may be limited based on optional equipment selections.</td>
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**ADDITIONAL SEATING OPTIONS**

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<td>Integrated Child Seats</td>
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<tbody>
<tr>
<td>Barriers and KO Windows</td>
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<tr>
<td>3 Point Belt Seats</td>
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<tbody>
<tr>
<td>Alternative Seating Lap Belts Only</td>
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## TYPE D [RE] SCHOOL BUSES

**LEGEND:**
- [STD] = STANDARD EQUIPMENT
- [STD] = STANDARD EQUIPMENT
- [STD] = STANDARD EQUIPMENT
- [STD] = STANDARD EQUIPMENT
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- [STD] = STANDARD EQUIPMENT
- [STD] = STANDARD EQUIPMENT
- [STD] = STANDARD EQUIPMENT

**OPTIONAL CHASSIS EQUIPMENT PRICES**

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<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>B1</td>
<td>Pro Lo Hatch</td>
<td>[STD]</td>
</tr>
<tr>
<td>B2</td>
<td>Future Use</td>
<td>[STD]</td>
</tr>
<tr>
<td>B3</td>
<td>Vandal Box w/Key</td>
<td>[STD]</td>
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**OPTIONAL BODY EQUIPMENT PRICES**

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<th>Price</th>
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<tbody>
<tr>
<td>B4</td>
<td>76&quot; High Roof (minimum)</td>
<td>[STD]</td>
</tr>
<tr>
<td>B4A</td>
<td>Intercom/PA</td>
<td>[STD]</td>
</tr>
<tr>
<td>B20</td>
<td>PA with Remote</td>
<td>[STD]</td>
</tr>
<tr>
<td>B22</td>
<td>Standard Radio w/o PA</td>
<td>[STD]</td>
</tr>
<tr>
<td>B23</td>
<td>Locking Door at Fuel Tank</td>
<td>[STD]</td>
</tr>
<tr>
<td>B24</td>
<td>CE White Integrated Child Restraint Seat</td>
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<tr>
<td>B25</td>
<td>MDC Child Safety Seat</td>
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<tr>
<td>B26</td>
<td>Sunkich Integrated Child Restraint Seat</td>
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<td>B27</td>
<td>E8 Integrated Child Restraint Seat</td>
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</tr>
<tr>
<td>B28</td>
<td>Exterior Body Light Monitor</td>
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**OPTIONAL CHASSIS EQUIPMENT PRICES**

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<tbody>
<tr>
<td>B30</td>
<td>Future Use</td>
<td>[STD]</td>
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<tr>
<td>B31</td>
<td>Lap/Shoulder Belts (PRICE PER UNIT - no reduction in seating capacity)</td>
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<tr>
<td>B32</td>
<td>Full Perf. Ceiling Piping</td>
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<tr>
<td>B41</td>
<td>Bus Lockup System</td>
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<tr>
<td>B42</td>
<td>Wire Pipe Crossing Arm</td>
<td>[STD]</td>
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<tr>
<td>B55</td>
<td>Stainless Steel Mirror System (with non-corrosive brackets &amp; fasteners)</td>
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<tr>
<td>B56</td>
<td>Battery Disconnect Switch Label</td>
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<td>B57</td>
<td>LED Red Light Emergency Door</td>
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<tr>
<td>B58</td>
<td>Underseat Rear Heater</td>
<td>[STD]</td>
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<tr>
<td>B59</td>
<td>Telepipe Through Bumper</td>
<td>[STD]</td>
</tr>
<tr>
<td>B60</td>
<td>Powder Coated Windows</td>
<td>[STD]</td>
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<tr>
<td>B61</td>
<td>Driver’s Seat with Integrated Seat Belt</td>
<td>[STD]</td>
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<tr>
<td>B62</td>
<td>Driver’s Seat with Integrated Seat Belt</td>
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<td>Driver’s Seat with Integrated Seat Belt</td>
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<tbody>
<tr>
<td>(OPT1) Tire</td>
<td>(OPT2) Tire</td>
<td>(OPT3) Tire</td>
<td>(OPT4) Tire</td>
<td>(OPT5) Tire</td>
<td>(Opt 1) Lift</td>
<td>(Opt 2) Lift</td>
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<td>(Opt 1) Lift</td>
<td>(Opt 2) Lift</td>
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### OPTIONAL WHEELCHAIR LIFT #2

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<th>Class 1 LIF</th>
<th>Manuf, Model, Capacity, Platform width</th>
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<tr>
<td>Class 2 LIF</td>
<td>Manuf, Model, Capacity, Platform width</td>
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### OPTIONAL WHEELCHAIR TIEDOWN/OCCUPANT RESTRAINT SYSTEM (WTORS)

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<th>OPT1 WTORS</th>
<th>Manuf, Model</th>
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<tr>
<td>OPT2 WTORS</td>
<td>Manuf, Model</td>
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### [AC-1] OPTIONAL AIR-CONDITIONING

| AC-1 | Manuf, Model, IMACA BTU, AMPS |
| AC-2 | Manuf, Model, IMACA BTU, AMPS |
| AC-3 | Manuf, Model, IMACA BTU, AMPS |
| AC-4 | Manuf, Model, IMACA BTU, AMPS |
| AC-5 | Manuf, Model, IMACA BTU, AMPS |
| AC-6 | Manuf, Model, IMACA BTU, AMPS |
| AC-7 | Manuf, Model, IMACA BTU, AMPS |
| AC-8 | Manuf, Model, IMACA BTU, AMPS |
| AC-9 | Manuf, Model, IMACA BTU, AMPS |
| AC-10| Manuf, Model, IMACA BTU, AMPS  |
| AC-11| Manuf, Model, IMACA BTU, AMPS  |
| AC-12| Manuf, Model, IMACA BTU, AMPS  |
| AC-13| Manuf, Model, IMACA BTU, AMPS  |
| AC-14| Manuf, Model, IMACA BTU, AMPS  |
| AC-15| Manuf, Model, IMACA BTU, AMPS  |
| AC-16| Manuf, Model, IMACA BTU, AMPS  |
| AC-17| Manuf, Model, IMACA BTU, AMPS  |
| AC-18| Manuf, Model, IMACA BTU, AMPS  |
| AC-19| Manuf, Model, IMACA BTU, AMPS  |
| AC-20| Manuf, Model, IMACA BTU, AMPS  |

### ADDITIONAL AIR CONDITIONER OPTIONS

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<th>Manuf</th>
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<td>Manuf</td>
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### OPTIONAL ENGINES

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<th>Manuf, Model, HP, Torque, fuel type</th>
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Date and Signature:
### Type D [RE] School Buses

#### Seating Capacity for Rear Mounted Lift Equipped Buses

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#### Extended Engine Warranty

- **Manufacturer/Model:**
  - 60 Months/150,000 Miles
  - 60 Months/200,000 Miles
  - 60 Months/Unlimited Miles
  - 120 Months/Unlimited Miles

#### Warranty Credit Option

- **12 Months/12,000 Miles (NO EXCEPTIONS)**

*By taking this warranty credit, the purchasing district is declining the standard chassis warranty and the standard body warranty and will only have warranty coverage for 12 Months/12,000 Miles (NO EXCEPTIONS) from the updated in-service date of the bus.*

#### Luggage Compartment Availability

- Luggage compartment availability may be limited based on optional equipment selections.

#### Additional Options

- **ADDITIONAL OPTIONS**
### Type D [RE] School Buses

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**Additional Seating Options**

- Integrated Child Seats

**Other Features**

- Barriers and KO Windows
- 3 Point Belt Seats

**Alternative Seating Lap Belts Only**
# DELIVERY PRICES

**VENDOR:** ABC School Bus Sales, Inc. 12345 Student Lane, Sunnyville, Florida 32555

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| Alachua       | Gainesville                                  | $        | $          | $          | $          |
| Baker         | Macclenny                                    | $        | $          | $          | $          |
| Bradford      | Starke                                       | $        | $          | $          | $          |
| Clay          | Green Cove Springs                           | $        | $          | $          | $          |
| Columbia      | Lake City                                    | $        | $          | $          | $          |
| Dixie         | Cross City                                   | $        | $          | $          | $          |
| Duval         | Jacksonville                                 | $        | $          | $          | $          |
| Gadsden       | Quincy                                       | $        | $          | $          | $          |
| Gilchrist     | Trenton                                      | $        | $          | $          | $          |
| Hamilton      | Jasper                                       | $        | $          | $          | $          |
| Jefferson     | Monticello                                   | $        | $          | $          | $          |
| Lafayette     | Mayo                                         | $        | $          | $          | $          |
| Leon          | Tallahassee                                  | $        | $          | $          | $          |
| Levy          | Bronson                                      | $        | $          | $          | $          |
| Madison       | Madison                                      | $        | $          | $          | $          |
| Nassau        | Fernandina Beach                             | $        | $          | $          | $          |
| Suwannee      | Live Oak                                     | $        | $          | $          | $          |
| Taylor        | Perry                                        | $        | $          | $          | $          |
| Union         | Lake Butler                                  | $        | $          | $          | $          |
| Wakulla       | Crawfordville                                | $        | $          | $          | $          |

**NOTE:** DELIVERY PRICES ARE BY REGION AND BUSES SHALL BE DELIVERED TO THE COUNTY SEAT OF THE ORDERING DISTRICT.
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VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

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Date and Signature:
| VENDOR: __________________________ |

| INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES. |
| Date and Signature: |
PARTNERSHIP OR INDIVIDUAL

I hereby certify that I, if an individual, or each of us, if a partnership, doing business as ____________________________ (Name of Individual or Partnership) (am)(is) not now involved in, nor have I ever engaged in, any private business venture or enterprise, directly or indirectly, with the Commissioner of Education, the Deputy Commissioner of Education, any Associate Commissioner of Education, Division Director or Bureau Chief within the Florida Department of Education.

I further certify that neither I, nor any partner, if a partnership, nor anyone acting in my or our behalf has requested that any of the above-designated persons, or any other employee of the Florida Department of Education, exert any influence to secure the appointment of ______________________________________________________________ (Name of Individual or Partnership) under this proposed agreement.

(1) ____________________________
Signature

(2) ____________________________
Signature

(3) ____________________________
Signature

COMPANY OR CORPORATION

I hereby certify that neither I nor any owner, officer, director or shareholder of ____________________________ (Name of Corporation (Company)), a corporation, licensed to do business in Florida, is presently involved in ____________________________ (Name of State of Inc.) or has engaged in any private business venture or enterprise, directly or indirectly, with the Commissioner of Education, the Deputy Commissioner of Education, any Associate Commissioner of Education, Division Director or Bureau Chief within the Florida Department of Education.

I further certify that neither I nor any owner, officer, director or shareholder of this corporation, nor anyone acting on behalf of this corporation or any of its owners, officers, directors or shareholders, has requested that any of the above-designated persons, or any employee of the Florida Department of Education, exert any influence to secure the appointment of ____________________________ (Company) under this proposed agreement.

(1) If partnership, each partner must sign and execute.
(2) If company is not incorporated, insert “not incorporated” in this space.
(3) If incorporated, this statement is to be executed by same person who will execute contract, if awarded.
Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids that are equal with respect to price, quality and service are received by the state or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2) Inform employees about the dangers of drug abuse in the workplace; the business's policy of maintaining a drug-free workplace; any available drug counseling, rehabilitation and employee assistance programs; and the penalties that may be imposed upon employees for drug abuse violations.

3) Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893, F.S., or of any controlled substance law of the United States or any state for a violation occurring in the workplace no later than five days after such conviction.

5) Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program, if such is available in the employee's community, for any employee who is convicted of a violation of chapter 893, F.S., or of any controlled substance law of the United States or any state.

6) Make a good-faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this business complies fully with the above-stated requirements.

________________________________________
Vendor's Signature
The Department’s Supplier Diversity Initiative strives to ensure the promise of Florida’s future is shared by all of its residents, regardless of race, ethnicity, disability, neighborhood or background. To that end, the Department is dedicated to support, track and increase its small, minority, women and service-disabled veteran business enterprise spending with prime contractors and subcontractors. This form was developed to assist in these efforts.

The prime contractor shall report all small, minority, women and service-disabled veteran business enterprise subcontractors, identifying the name, address, type of certification and dollar amount of the subcontracts on the form below. The prime contractor shall submit this form with each invoice submitted for payment, whether or not funds have been spent with a small, minority, women or service-disabled veteran business enterprise subcontractor for the period covered by the invoice. The Office of Supplier Diversity, Florida Department of Management Services will assist in furnishing names of qualified minorities. The Office of Supplier Diversity can be reached at 850-487-0915 or go to http://dms.myflorida.com/other_programs/office_of_supplier_diversity_osd.

PRIME CONTRACTOR: ____________________________________________

CONTRACT NO.: ________________________________________________

CONTRACT TITLE: ______________________________________________

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Total Amount $________________

Certified True and Correct by: ________________________________

Prime Contractor

Submit Report to:

Ms. ReGina Register
Bureau of Contracts, Grants & Procurement Management Services
325 West Gaines Street, Room 344
Tallahassee, Florida 32399-0400

For additional information, you may contact Ms. Register at 850-245-9173 or ReGina.Register@fldoe.org.
VENDOR CERTIFICATION REGARDING
SCRUTINIZED COMPANIES LISTS

Respondent Vendor Name: _______________________________________________________
Vendor’s Federal Employer Identification Number (FEIN): ____________________________
Vendor’s Authorized Representative Name and Title: __________________________________
Address: ______________________________________________________________________
City: __________________________ State: ________________________ Zip:  ______________
Phone Number: ____________________________________
Email Address:  _____________________________________________________________

Section 287.135, F.S., prohibits agencies from contracting with companies, for goods or services over $1,000,000, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Both lists are created pursuant to section 215.473, F.S.

As the person authorized to sign on behalf of Respondent, I hereby certify that the company identified above is not listed on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. I understand that, pursuant to section 287.135, F.S., the submission of a false certification may subject this company to civil penalties, attorney’s fees and/or costs.

CERTIFIED BY: ____________________________________________________________,

WHO IS AUTHORIZED TO SIGN ON BEHALF OF THE ABOVE-REFERENCED COMPANY?

Authorized Signature (Print Name and Title): ________________________________
Contract for Type A, Type C and Type D School Buses
and Optional Equipment

THIS CONTRACT FOR TYPE A, TYPE C AND TYPE D SCHOOL BUSES AND OPTIONAL EQUIPMENT, BID NO: ITB 2020-16, by and between the department, 325 West Gaines, Suite 834, Tallahassee, Florida 32399-0400, and
___________________________________________________________________________________, the contractor, a for-profit corporation registered in Florida, each referred to herein as "Party," and collectively referred to as the "Parties,”

WITNESSETH:

WHEREAS, the Department desires to provide eligible users, defined herein, with various Type A, Type C and Type D School Buses and Optional Equipment (defined herein as “Vehicles”), through the use of a state term contract pursuant to rule 60A-1.001, F.A.C.; and section 1006.27, F.S., and
WHEREAS, the Department solicited responses to an Invitation to Bid No: ITB 2020-16 (ITB) to prospective contractors of said Vehicles; and
WHEREAS, the contractor responded to the ITB and desires to provide said Vehicles; and, unto each other;

NOW THEREFORE, in consideration of the premises, terms and conditions set forth herein, the Parties execute this contract so same becomes binding and enforceable by and through the Parties and their assigns, and agree heretofore:

SCOPE OF WORK

The intent of these specifications is to set forth and convey to prospective bidders the general type, character, performance and quality of the Vehicles desired by the Department and school districts. The contractor is authorized to provide Vehicles to any and all eligible users in the State of Florida. The Parties agree that the laws and rules that apply to this contract shall be for those applicable to contracts in excess of Category Two, or $35,000, as defined in chapter 287.017, F.S.

Pursuant to Section 7.10 of Bid No: ITB 2020-16, the following documents are hereby incorporated by reference:
- Department contract
- Any addenda to Bid No: ITB 2020-16
- ITB No: 2020-16
- Award Letter
- Contractor’s response

IN WITNESS WHEREOF, the Parties hereto have caused this contract For Type A, Type C and Type D School Buses and Optional Equipment, Bid No: ITB 2020-16, to be executed on the dates shown below their respective signatures.

DEPARTMENT

Signature
Print Name:________________________
Title:_____________________________
Date:_____________________________

CONTRACTOR

Signature
Print name:________________________
Title:_____________________________
Date:_____________________________
TO: Commissioner Richard Corcoran  
Florida Department of Education  
Tallahassee, Florida 32399-0400

I, the bidder, hereby represent that the specifications of school bus equipment furnished under terms of this bid will comply with the *National School Transportation and Procedures, Revised 2015*, and the *Florida School Bus Specifications, Revised 2019*, as represented by the manufacturer to the Commissioner of the Florida Department of Education, State of Florida.

NOTES:

1. Do not include excise tax in price schedule. A tax exemption certification or number will be furnished by the purchasing agency.

2. All prices must be quoted in **even dollar amounts**.

3. Twenty-nine capacity Type C buses shall be offered with both front-mounted and rear-mounted lift availability.

4. All standard and optional tires bid shall be all-wheel position highway rib radials.

Comments regarding production schedules and remarks (for informational purposes only):

________________________________________________________________________

________________________________________________________________________

Company:___________________________________________________________

By:_______________________________________________________________

Address:__________________________________________________________

Telephone:________________________________________________________

FEIN:_____________________________________________________________

Signature:__________________________________________________________  Date:________________________
PURCHASE ORDER
CONTACT PREFERENCE INFORMATION

Please provide pertinent contact information for your company to be used on all purchase orders for buses purchased pursuant to this bid:

ATTN (Contact Person’s Name): ____________________________________________

Contact Person’s Title: ____________________________________________________

Company Name: __________________________________________________________

Street Address: ___________________________________________________________

City, State, Zip: __________________________________________________________

Telephone: ______________________________________________________________

CUSTOMER CONTACT PREFERENCE INFORMATION

Please indicate the proper contact person for all inquiries related to bus orders:

Contact Person’s Name: ____________________________________________________

Contact Person’s Title: ____________________________________________________

Company Name: __________________________________________________________

Street Address: ___________________________________________________________

City, State, Zip: __________________________________________________________

Telephone: ______________________________________________________________

Fax: _____________________________________________________________________

Email address: ____________________________________________________________________
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<td>PODEDATE</td>
<td>DATE PO RECEIVED (MM/DD/YY)</td>
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| 3      | TEXT       | DELIVERY   | TYPE OF DELIVERY  
(P) = Pickup (D) = Delivered |
| 4      | TEXT       | BUS NUMBER | LOCAL SCHOOL BUS NUMBER |
| 5      | TEXT       | BUS TYPE   | BUS TYPE (A, C OR D) |
| 6      | TEXT       | VIN #      | VEHICLE IDENTIFICATION NUMBER |
| 7      | TEXT       | FUELTYPE   | TYPE OF FUEL  
(D) = Diesel  
(P) = Propane  
(C) = Compressed Natural Gas (CNG)  
(G) = Gasoline  
(E) = Electric |
| 8      | NUMBER     | SHELLCAP   | BODY SHELL SIZE |
| 9      | NUMBER     | SEATING CAP | REGULAR SEATING POSITIONS |
| 10     | NUMBER     | W/CCAP     | WHEELCHAIR POSITIONS |
| 11     | TEXT       | A/C        | BODY A/C EQUIPPED (Y OR N) |
| 12     | TEXT       | LIFT       | BODY LIFT EQUIPPED (Y OR N) |
| 13     | TEXT       | ACMAN      | AC MANUFACTURER |
| 14     | TEXT       | ACMOD      | AC MODEL |
| 15     | TEXT       | LIFTMAN    | LIFT MANUFACTURER |
| 16     | TEXT       | LIFTMOD    | LIFT MODEL |
| 17     | TEXT       | LIFT SERIAL | LIFT SERIAL NUMBER |
| 18     | TEXT       | CHASMAN    | CHASSIS MANUFACTURER |
| 19     | TEXT       | CHASMOD    | CHASSIS MODEL |
| 20     | DATE       | BLD_DATE   | BUILD DATE (MM/DD/YY) |
| 21     | TEXT       | BODMODEL   | BODY MODEL OR SIZE |
| 22     | TEXT       | BOD SERIAL | BODY SERIAL NUMBER |
| 23     | TEXT       | ENGMOD     | ENGINE MODEL |
| 24     | TEXT       | ENGINE SERIAL | ENGINE SERIAL NUMBER |
| 25     | TEXT       | TRANSMOD   | TRANSMISSION MODEL |
| 26     | TEXT       | TRANS #    | TRANSMISSION SERIAL NUMBER |
| 27     | TEXT       | EXT WARRANTY | EXTENDED TRANSMISSION WARRANTY (Y/N) |
| 28     | TEXT       | STAT       | PRODUCTION STATUS |
| 29     | DATE       | ESTDATE    | ESTIMATED COMPLETION DATE |
| 30     | TEXT       | FINDATE    | UNIT DELIVERY OR PICKUP DATE (MM/DD/YY) |

**NOTE:** File shall be a Microsoft Excel spreadsheet.
### Pre-delivery Inspection Form (2020) Attachment 10

**District:** ___________________  **Local Bus #:** _________________  **Date Rec’d.:** ____________  **Shop Location:** ___________________________________

**Bus Type:** [ A ] [ B ] [ C ] [ D-Front Engine ] [ D-Rear Engine ]  **Shell Seating Capacity:** ________________  **Equipped Seating Capacity:** ________________

**Wheelchair Capacity:** ___________  **Chassis Mfr.:** ________________________  **Chassis Model:** __________________

**Chassis VIN:** ____________________________________________

**Eng. Model:** ____________________  **Eng. S/N:** _________________________

**Trans. Model:** _________________________  **Trans. S/N:** _____________________________

**Body Mfr.:** ____________________________________  **Body Model:** _____________________________

**In-service-date:** _________________  **Lift: Yes / No**  **Lift Mfr.:** _____________  **Lift Model:** _________________  **Lift S/N:** _________________________

**In-service-mileage:** ______________

**A/C: Yes / No**  **A/C Mfr.:** _____________  **Evap. S/N:** __________________ Comp. S/N: __________________

### Status Codes:
- $\sqrt{\text{OK}}$ = OK
- $\times$ = Malfunction (but Meets Specs)
- $\circ$ = Does Not Meet Specs
- $\text{N/A}$ = Not Applicable

### Status Code

<table>
<thead>
<tr>
<th>Status Code</th>
<th>INSPECTION ITEMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Emergency Equipment - Fire Extinguisher (pressure/tag/mount), First Aid Kit, Body Fluid Cleanup Kit and Reflectors</td>
</tr>
<tr>
<td>2.</td>
<td>Registration and Insurance Card</td>
</tr>
<tr>
<td>3.</td>
<td>Neutral Safety Switch, Shifter and Noise Abatement Switch</td>
</tr>
<tr>
<td>4.</td>
<td>Engine Controls - Key Switch, Accelerator and Engine Shutdown</td>
</tr>
<tr>
<td>5.</td>
<td>Gauges, Indicators, Dash and Switch Panel Lights, Engine Warning Lights/ Buzzers and ABS Warning Light</td>
</tr>
<tr>
<td>6.</td>
<td>Air Brake System - Gauge(s), Build-Up, Governor, Park Brake, Adjustment, Air Leaks, Low Air Warning, PP-1 Pop-Off and Pedal</td>
</tr>
<tr>
<td>7.</td>
<td>Hydraulic Brakes - Warning Light, Gauge, Pedal Travel and Fade, Power Assist and Park Brake</td>
</tr>
<tr>
<td>8.</td>
<td>Windshield Wipers and Washers - Operation, Park and Blades</td>
</tr>
<tr>
<td>9.</td>
<td>Heaters, Defrosters, Auxiliary Dash or Header Fan(s)</td>
</tr>
<tr>
<td>10.</td>
<td>Dome and Step Well Lights</td>
</tr>
<tr>
<td>11.</td>
<td>Service Door - Operation, Control and Overhead Pad</td>
</tr>
<tr>
<td>12.</td>
<td>Horns</td>
</tr>
<tr>
<td>13.</td>
<td>Mirror Adjustment and Condition - Rear vision, Cross-view, Side-view and Interior</td>
</tr>
<tr>
<td>14.</td>
<td>Driver’s Seat and Seat Belt</td>
</tr>
<tr>
<td>15.</td>
<td>Passenger Seats - Frames, Mounting, Pads, Cuts, Bottoms, Modesty Panels, Stanchions, Passenger Securement Devices and Webbing Cutter</td>
</tr>
<tr>
<td>17.</td>
<td>Windshield, Side and Rear Windows - Cracks, Fogging, Latches and Visor</td>
</tr>
<tr>
<td>18.</td>
<td>Wheelchair Lift, Door and Securement System - (if equipped)</td>
</tr>
<tr>
<td>19.</td>
<td>Two-Way Radio Operation - (if equipped)</td>
</tr>
<tr>
<td>20.</td>
<td>Interior Wiring, Cab Hoses and Fire Wall Seals</td>
</tr>
<tr>
<td>21.</td>
<td>General Condition of Bus Interior - Floor, Step well, Grab Rail(s), Paneling, Broom Mounting, Loose Objects Secured and Engine Cover</td>
</tr>
</tbody>
</table>

---

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### B. OUTSIDE BUS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Headlights, Turn Signals, Hazard, Brake, Tail, Backup Lights, Backup Alarm and Park Lights</td>
</tr>
<tr>
<td>2.</td>
<td>Clearance, Side Marker, ID Lights, Reflectors and Strobe Light</td>
</tr>
<tr>
<td>3.</td>
<td>Pupil Warning Lights</td>
</tr>
<tr>
<td>4.</td>
<td>Stop Arm(s) and Student Crossing Arm - Wiring, Air or Vacuum Leak and Decal</td>
</tr>
<tr>
<td>5.</td>
<td>General Condition of Bus Exterior - Mirrors, Bumpers, Body Damage, Paint, Reflective Marking, Lettering, Emergency Door, Engine Hood and Cleanliness</td>
</tr>
</tbody>
</table>

### C. ENGINE COMPARTMENT

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
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<td>Steering - Play, Column, Steering Gear Box Mounting, Pitman Arm, Drag Link, Steering Arm, Tie Rod &amp; Ends and Idler Arm</td>
</tr>
<tr>
<td>2.</td>
<td>Batteries - Hold Down, Terminals, Cables, Cleanliness, Slide Tray and Load Test. Check battery voltage after 15 seconds load at ½ CCA. Bat1___________ Bat2___________ Bat 3___________</td>
</tr>
<tr>
<td>3.</td>
<td>Fluid Levels and Condition - Brake, Power Steering, Oil, Transmission, Windshield Washer, Coolant (Antifreeze __________°F) and DEF</td>
</tr>
<tr>
<td>4.</td>
<td>Belts and All Hoses - Tightness, Condition, Routing and Belt Alignment</td>
</tr>
<tr>
<td>5.</td>
<td>Accessory Mounting and Condition – Power Steering Pump, Air Compressor and Filter, Water Pump, Fan, Alternator and Air Cleaner (Restriction) __________(H₂O)</td>
</tr>
<tr>
<td>6.</td>
<td>Wiring - Routing and Condition</td>
</tr>
<tr>
<td>7.</td>
<td>Fuel System and Lines</td>
</tr>
<tr>
<td>8.</td>
<td>Radiator - Mounting, Cap, Reservoir and Fan Shroud</td>
</tr>
</tbody>
</table>

**COMMENTS / NOTES**
## D. UNDERNEATH BUS

### 1. Front Suspension - I-Beam, U-Bolts, Springs, Spring Mounts, Shackles, Pins and Bushings, Shocks, Kingpins, Wheel Bearings, Seals, A-Frames, Bushings and Ball Joints


### 3. Engine Mounts, Transmission Mounts and Starter Mounting

### 4. Transmission - Bolts, Linkage, Lines, Filter and Cooler

### 5. Fluid Leaks - Oil, Coolant, Transmission, Power Steering and DEF

### 6. Fuel and DEF Tank - Leaks, Mounting, Hoses and Wiring


### 8. Driveline - Shafts, U-Joints, Yokes, Hanger Bearings, Guards Driveshaft and Park brake

### 9. Rear Suspension - Axle Housing, Vent, Differential, Springs, U-Bolts, Shocks, Spring Shackles, Pins and Bushings, Hangers, Seals and Wheel Bearings


### 11. Body Securement and Structure - Hold Downs, Floor, Outriggers, Braces, Skirts, Mud Flaps and Chassis Frame Rails

### 12. Exhaust System - Leaks, Mounting, Muffler, Tailpipe and DEF, DPF System

### 13. Wheels and Tires - Tread Depth, Pressure, Damage, Matching, Alignment and Wheel Hardware

<table>
<thead>
<tr>
<th>TIRES</th>
<th>LF</th>
<th>RF</th>
<th>RRO</th>
<th>RRI</th>
<th>LRO</th>
<th>LRI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tread Depth</td>
<td>/32</td>
<td>/32</td>
<td>/32</td>
<td>/32</td>
<td>/32</td>
<td>/32</td>
</tr>
<tr>
<td>Air Pressure</td>
<td>PSI</td>
<td>PSI</td>
<td>PSI</td>
<td>PSI</td>
<td>PSI</td>
<td>PSI</td>
</tr>
<tr>
<td>Lug Nut Torque</td>
<td>Ft lbs.</td>
<td>Ft lbs.</td>
<td>Ft lbs.</td>
<td>Ft lbs.</td>
<td>Ft lbs.</td>
<td>Ft lbs.</td>
</tr>
</tbody>
</table>

Lug Nut Torque Verified

---

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### E. FILTERS / COOLANT CONDITION / STARTING & CHARGING / AIR CONDITIONING PERFORMANCE

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<th></th>
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<tr>
<td>1.</td>
<td>Check Oil Filter(s)</td>
</tr>
<tr>
<td>2.</td>
<td>Check Fuel Filter(s) Primary/Secondary and Separator</td>
</tr>
<tr>
<td>3.</td>
<td>Check Transmission Filter(s)</td>
</tr>
<tr>
<td>4.</td>
<td>Check Air Compressor Filter (if applicable)</td>
</tr>
<tr>
<td>5.</td>
<td>Check Power Steering Filter</td>
</tr>
<tr>
<td>6.</td>
<td>Check Engine Air Cleaner assembly and Filter</td>
</tr>
<tr>
<td>7.</td>
<td>Check Coolant Filter and record DCA level_______________</td>
</tr>
<tr>
<td>8.</td>
<td>Test Starting and Charging System. Amps ______________ Volts ______________</td>
</tr>
<tr>
<td>9.</td>
<td>Air Conditioning Filters</td>
</tr>
</tbody>
</table>

### F. ROAD TEST

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Brake Performance - Park Brake, Stopping Distance and Equalization</td>
</tr>
<tr>
<td>2.</td>
<td>Engine, Transmission and Driveline - Engine Performance, Governor and Shifting</td>
</tr>
<tr>
<td>3.</td>
<td>Steering and Handling -Free Play, Power Assist, Column, Tracking and Turning Radius</td>
</tr>
</tbody>
</table>

### G. ITEM SPECIFICATIONS

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<thead>
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</thead>
<tbody>
<tr>
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<td>Body Data Plate</td>
</tr>
<tr>
<td>2.</td>
<td>Body Structure</td>
</tr>
<tr>
<td>3.</td>
<td>A/C Equipment</td>
</tr>
<tr>
<td>4.</td>
<td>Wheel Chair Lift Equipment</td>
</tr>
<tr>
<td>5.</td>
<td>Wheel Chair Tie-Down and Securement System</td>
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<tr>
<td>6.</td>
<td>Driver’s Document Compartment</td>
</tr>
<tr>
<td>7.</td>
<td>Publications</td>
</tr>
<tr>
<td>8.</td>
<td>Engine Equipment</td>
</tr>
<tr>
<td>9.</td>
<td>Engine Performance</td>
</tr>
<tr>
<td>10.</td>
<td>Ventilation</td>
</tr>
<tr>
<td>11.</td>
<td>Square and Level - (RF_____ ) (LF_____ ) (RR_____ ) (LR_____ )</td>
</tr>
</tbody>
</table>

### H. OPTIONAL EQUIPMENT

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
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<tr>
<td>2.</td>
<td>Type B, C and D Chassis Options</td>
</tr>
<tr>
<td>3.</td>
<td>Type A, B, C and D Body Exceptions and Options</td>
</tr>
</tbody>
</table>

Body Inspector’s Signature: _______________________________________ Certification Number: _______________________________________ Date: ______________________________________

Chassis Inspector’s Signature: ____________________________________ Certification Number: ____________________________________ Date: ______________________________________

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FMVSS and GAWR attestation of compliance letter
Power Lift attestation of compliance letter
Chassis Delivery Dates Letter
Liquidated Damages Acknowledgement Letter
Seat Covering Specifications Letter
Type C and Type D Chassis Performance Letter
Bid Addenda (if any)
FLORIDA
SCHOOL BUS SPECIFICATIONS
Effective January 2020
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FOREWORD

Florida School Bus Specifications are adopted as authorized under section 1006.25, Florida Statutes (F.S.), and rule 6A-3.003, Florida Administrative Code (F.A.C.). This effective date of this edition of the Florida School Bus Specifications is January 1, 2020.
GENERAL INFORMATION AND WARRANTY PROVISIONS

All public school buses (bodies and chassis) owned, operated, rented, leased and contracted for by any public school board or charter school in Florida, used to transport children to and from school or school-related events, and purchased after the effective date of this document, as specified in rule 6A-3.003, F.A.C., must:

1. Meet or exceed the minimum requirements of these specifications;
2. Meet all applicable Federal Motor Vehicle Safety Standards (FMVSS); and
3. Meet or exceed the 2015 National School Transportation Specifications and Procedures (also referred to herein as the 2015 National Specifications), except when in conflict with the requirements herein. In such cases, the requirements specified in this document shall prevail.

The requirements specified herein are the minimum requirements for school buses in Florida. The date used to determine the applicability of these specifications is defined as the date the vendor receives the purchase order or signs a valid sales contract with the purchaser.

All school bus chassis and body manufacturers must certify to the Commissioner of Education, Florida Department of Education (department), by letter that all school buses offered for sale to or use by the public school systems, including charter schools, in Florida meet or exceed all standards, specifications and requirements specified herein.

Used school buses purchased or operated by a public school board or charter school in Florida must meet or exceed all federal and state requirements for public school buses that were in effect on the date the vehicle was manufactured.

Under the authority of s. 316.615, F.S., certain capacity school buses owned, operated or leased by nonpublic schools in Florida are required to meet the specifications prescribed herein.

DEFINITIONS:

1. **School Bus (State Definition):** Section 1006.25, F.S., defines a “school bus” as “a motor vehicle regularly used for the transportation of prekindergarten disability program and kindergarten through grade 12 students of the public schools to and from school or to and from school activities, and is owned, operated, rented, contracted or leased by any district school board...”

2. **School Bus (Federal Definition):** Title 49 CFR Part 571.3 defines: “school bus” as “a bus that is sold or introduced in interstate commerce for purposes that include carrying students to and from school or related events.”

3. **Multi-Function School Activity Bus (MFSAB):** is defined by Florida school bus specifications as a school bus constructed to FMVSS and Florida school bus specifications to be used for school-related activities. MFSABs may not be used to transport students to and from school or between schools for the purpose of attendance.

4. **MFSAB (Federal Definition):** Title 49 CFR Part 571.3 defines “MFSAB” as a school bus NOT used to transport students to and from home or school bus stops.

SCHOOL BUS TYPES:

1. **Type A:** A school bus that is constructed using a cutaway front-section vehicle with a left side driver’s door. This definition includes two classifications: Type A-1, with a Gross Vehicle Weight Rating (GVWR) of 14,500 pounds or less, and Type A-2, with a GVWR greater than 14,500 pounds and less than or equal to 21,500 pounds.

2. **Type C:** A school bus that is constructed using a chassis with a hood and front fender assembly. The entrance door is behind the front wheels. This type also includes the cutaway truck chassis or truck chassis with cab, with or without a left side door, and with a GVWR greater than 21,500 pounds. Also known as a conventional school bus.

3. **Type D:** A school bus that is constructed using a stripped chassis. The entrance door is ahead of the front wheels. This type bus is also known as a rear engine or front engine transit-style school bus.
MFSAB:
Can be a Type A, C or D school bus as described above, with the following exceptions:

**Identification:** The bus body shall bear the words “ACTIVITY BUS” in a contrasting color at least 8 inches high in the area where “school bus” is normally positioned. Lettering and numbering shall conform to FMVSS and Florida School Bus Specifications and shall meet reflectivity standards. The numbering on this bus may be of a contrasting color. The name of the school system shall be displayed in at least 6-inch letters on both sides of the bus in the beltline area. School or team lettering no larger than 6 inches high and logos no larger than 12 inches high may be placed below the beltline. **NO additional SIGNS OR LOGOS** shall be applied to any area of the bus, including the bumpers and the windows.

**Color:** The local school board must determine and approve the color of the activity bus. The color scheme may utilize any combination of up to **three** colors. This combination may be in addition to an optional white roof. The color National School Bus Yellow shall not be used as a part of the color scheme. The bus wheels shall **not** be painted black or yellow; however, they may be painted one of the three colors selected for the bus body or may be unpainted aluminum-finished polished wheels.

**Seating:** Type 2 lap/shoulder seat belts are required for all seating positions, including the driver’s seat.

**Lighting and Warning Devices:** All activity buses shall meet state and federal standards for home-to-school bus lighting and warning device requirements, with the following exceptions:
1. MFSAB’s shall not be equipped with alternately flashing amber and red student warning signal lamps used for loading and unloading students.
2. MFSABs shall not be equipped with stop arm signals or crossing control arms.

**WARRANTIES AND PARTS AVAILABILITY FOR NEW VEHICLES:**
All warranties listed herein must apply to all school buses manufactured after the effective date of these specifications and sold through the state school bus bid purchase program. Body and chassis manufacturers' warranty policies must allow revision of warranty start date for each vehicle to the actual in-service date by the school district. Appropriate forms to update chassis warranties must be included in the owner-operator's packet supplied with the chassis and must be conveyed along with the body warranty by the body builder to the district upon delivery of the completed unit. Above requirements must apply to the basic warranties, all component warranties and any extended warranties offered or required. There must be no hours-of-use limitation on any warranty required in these specifications or the associated state bid for school buses.

Manufacturers offering school bus chassis or bodies for sale in the state of Florida must make available replacement parts for said buses for a period of no less than 120 months.

The minimum labor rate for all warranty related repairs must be $75.00 per hour.

**CHASSIS WARRANTIES:**
1. The minimum chassis warranty shall be **12,000 miles or 12 months.**
2. The standard chassis warranty for Florida school bus bids shall be **100,000 miles or 60 months.**
3. Engines (including flywheel, flex plate and harmonic balancer) on types A, C and D chassis must be included with both minimum chassis warranty and standard chassis warranty as described above.
4. Pricing requests will be added to the bid for the following extended engine warranty options:
   a. pricing for 60 months/150,000 miles;
   b. pricing for 60 months/200,000 miles; and
   c. pricing for 60 months/unlimited mileage.
5. Chassis frame rails, cross members, fuel tanks, front axle I-beams and rear axle housings must be warranted for a period of 120 months, from the updated in-service date of the vehicle, 100 percent parts and labor.
6. Paint finish coats to chassis, hood, fenders, and cowl shall be warranted for 60 months/100,000 miles, 100 percent parts and labor, for adhesion, color retention and gloss retention.
7. Color Retention: During the first 36 months from the in-service date, the color coat must not shift colors more than 4 ΔE from the centroid, as specified in School Bus Manufacturers Technical Council (SBMTC) publication SBMTC-008. During the 60-month warranty period, the color coat must not shift color more than 8 ΔE from the centroid, as specified in SBMTC-008.
8. Gloss: During the first 36 months from the in-service date, the gloss reading must not fall below 60 at 60°. During the 60-month warranty period, the gloss reading must not drop below 30 at 60°.
   a. All measurements must be the average of 12 readings taken at various points on the bus, but no reading must be more than three points under the stated minimum. All readings must be taken after the bus is thoroughly washed to remove road film and dust.

**BODY WARRANTIES:**
1. The minimum body warranty shall be 12 months.
2. The standard body warranty for Florida school bus bids shall be for 60 months/100,000 miles, 100 percent parts and labor and shall include, but not be limited to, the following items:
   a. The total air conditioner system on any bus so equipped, including parts and labor and excluding air filters used in normal preventive maintenance. Chassis engine-driven air conditioner compressor applications must be approved in writing by the engine manufacturer, who must state that the installation will not void or reduce the engine manufacturer's warranty or extended service liabilities in any way.
   b. All mirror assemblies and mounting bracketry must be warranted against rust and corrosion and any reduction in clarity of view due to discoloration or other deterioration of the lens.
   c. All bus body electrical wiring and switches, including, but not limited to, damage resulting from wiring or connectors becoming abraded, pierced by fasteners, shorted or otherwise damaged during manufacture or use.
   d. Paint finish coats to body, hood and cowl for adhesion, color retention and gloss retention. Acceptable lower limits during the warranty period are as follows:
      i. Adhesion: During the 60-month warranty period, paint and priming compounds must not fail to adhere to the bus with normal use and care.
      ii. Color Retention: During the first 36 months of service, the color coat must not shift colors more than 4 $\Delta E$ from the centroid, as specified in SBMTC-008. During the 60-month warranty period, the color coat must not shift color more than 8 $\Delta E$ from the centroid, as specified in SBMTC-008.
      iii. Gloss: During the first 36 months of service, the gloss reading must not fall below 60 at 60°. During the 60-month warranty period, the gloss reading must not drop below 30 at 60°.
   e. All emergency exit roof hatches, including defects in material and workmanship and against leakage.
   f. All passenger seat back cushions and seat frames, excluding vandalism of any exposed foam.
   g. All powered entrance doors and operating and control systems.
3. Power lift warranty minimums are listed below, and are **not included** with the standard body warranty.

**POWER LIFT WARRANTY:**
A statement of warranty must be provided with each lift assuring the quality of materials and workmanship of the product for at least 36 months from the updated in-service date of the vehicle. The minimum warranty must provide 100 percent parts coverage for 36 months and 100 percent labor coverage for 12 months.

**MINIMUM WARRANTY OPTIONS:**
Each manufacturer or dealer may include as part of its bid package credit option allowances for districts that wish to forego the aforementioned standard and extended warranty plans and purchase the minimum/base warranty option package.

**TECHNOLOGY AND EQUIPMENT, NEW:**
The intent of these specifications is to accommodate new technologies and equipment that will better facilitate student transportation. New technology and equipment are acceptable for use in all vehicles if:
1. Items do not compromise the effectiveness or integrity of any major safety system. (Examples of safety systems include, but are not limited to, compartmentalization, the eight-lamp warning system, emergency exits and the approved color scheme.)
2. Items do not diminish the safety of the bus interior.
3. Items do not create additional risk to students who are boarding or exiting the bus or are in or near the school bus loading zone.
4. Items do not require undue additional activity and/or responsibility for the driver.
5. Items generally increase efficiency and/or safety of the bus, generally provide for a safer or more pleasant experience for the occupants and pedestrians in the vicinity of the bus and/or generally assist the driver and makes his/her many tasks easier to perform.

CHANGES OR CLARIFICATION OF SPECIFICATIONS:
Florida School Bus Specifications may be amended pursuant to the provisions of rule 6A-3.003, F.A.C. The School Transportation Management Section, with the concurrence of the Florida Association for Pupil Transportation (FAPT), School Bus Specifications Committee, and consistent with Florida purchasing laws and the bus bid contract, may at its discretion grant variances or exemptions and may from time to time issue clarifications of the specifications, as necessary, to provide safe, efficient and cost-effective equipment to Florida school districts and charter schools and to provide for advances in technology.

Should a clarification or interpretation of these Florida School Bus Specifications be requested, inquiries should be directed to Director, School Transportation Management Section, Florida Department of Education, 325 West Gaines Street, Suite 834, Tallahassee, Florida 32399-0400.
SECTION I
TYPE A SCHOOL BUS
MINIMUM CHASSIS SPECIFICATIONS

ALTERNATOR:
Type A buses shall have a minimum 130-amp alternator. Buses equipped with an electrically powered wheelchair lift and/or air conditioning shall be equipped with the highest rated capacity available from the chassis Original Equipment Manufacturer (OEM).

BATTERIES:
The storage battery, or batteries, shall have a minimum cold cranking capacity rating (cold cranking amps) equal to the cranking current required for 30 seconds at 0 degrees Fahrenheit and a minimum reserve capacity rating of 120 minutes at 25 amps. Higher capacities may be required, depending upon optional equipment and local environmental conditions.

BRAKE, PARKING:
On Type A chassis, the manufacturer’s standard parking brake is acceptable. On Type A chassis with hydraulic brakes, the parking brake control must be mounted for easy access by the driver. On air brake models, the control valve to set the parking brakes on the rear wheels must be dash-mounted.

BRAKES, SERVICE:
Hydraulic or air brakes are permissible.

BUMPER, FRONT:
Type A buses may be equipped with an OEM-supplied front bumper.

ENGINE EQUIPMENT:
1. A dry type air cleaner is required on all engines.
2. The engine must be equipped with full-flow, spin-on or cartridge-type oil filter(s), with the filter header(s) mounted directly to engine.
3. An engine coolant recovery or deaeration system is required on all chassis. Type A diesel engines must include a means to visually check the coolant level without removing the deaeration tank cap or releasing pressure from the cooling system.
4. A warning system consisting of a light and a buzzer is required on diesel-powered Type A chassis to notify the driver of low engine oil pressure and/or coolant overheating.
5. A fuel filtration and water separator system is required on all Type A diesel engines and must remove contaminants from the fuel prior to entry into the engine. The system must have a clear sight bowl or be equipped with a water-in-fuel light to notify technicians of the presence of water, must provide a valve for draining trapped water from the system and must include an electric or manual priming pump.
6. An engine oil pressure gauge is required. It must provide accurate, easily discernible readings across the entire operating range, from hot idle to full oil pressure. The gauge on engines with idle oil pressure that under normal conditions is low must provide a clear distinction between no oil pressure and engine idle oil pressure. The gauge must be directly visible to the driver in the normal seated position and must not be mounted near the center of the dash where the service door control or its associated hardware could block visibility of the gauge.
7. Radiator and other engine coolant hoses supplied by the chassis manufacturer (not including heater hoses) must be constructed of silicone rubber or must be constructed with ethylene propylene diene monomer (EPDM) covering and aramid fiber reinforcement meeting or exceeding Society of American Engineers (SAE) standard J20R EC Class D-1. Silicone hose, if used, must include stainless steel shoe-type hose clamps or constant-torque clamps. Hoses must have markings, coloring or other visible means of distinguishing them from the standard hoses.
ENGINE PERFORMANCE REQUIREMENTS FOR TYPE A BUSES:
Each bus must be furnished with a power train that meets or exceeds the following minimum criteria when tested at the gross vehicle weight rating (GVWR) required for a given bus capacity, and with all accessories (including air conditioner compressor(s), if equipped) on and operating:

1. Startability of 20 percent;
2. Gradeability of 5 percent at 25 miles per hour;
3. Gradeability of 1.5 percent at 50 miles per hour; and
4. Top speed of 70 miles per hour minimum.

Performance must be measured with the actual completed vehicle (i.e., with the body installed, unloaded except for the driver and one passenger). The vehicle must be in drive, with the engine at idle, the service brakes applied, the emergency brakes released, and all accessories on and operating. Measurement of acceleration time must begin at the moment the throttle is applied (the throttle is to be immediately and rapidly depressed to full throttle).

NOTE: The chassis manufacturer should use the heaviest chassis/body combination meeting these specifications for the specific bus size to determine required power train components. This test is an on-road test and will be performed using the heaviest available chassis/body, depending on body(ies) supplied. At the discretion of the department, unanticipated factors or variations in test conditions affecting performance test results that are beyond the control of the chassis manufacturer may be taken into account. A Pro Link, a diagnostic computer, or a speed wheel are also acceptable tools for this test.

Maximum acceleration time (from zero mph), under the conditions specified above, must be as follows (measured in seconds):

<table>
<thead>
<tr>
<th>TEST METHOD</th>
<th>0-10 MPH</th>
<th>0-20 MPH</th>
<th>0-30 MPH</th>
<th>0-40 MPH</th>
<th>0-50 MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTUAL</td>
<td>3.4</td>
<td>6.2</td>
<td>12.0</td>
<td>20.0</td>
<td>32.2</td>
</tr>
</tbody>
</table>

Manufacturers may offer additional engine configurations and horsepower ratings that exceed these requirements as optional equipment.

EXHAUST SYSTEM:
The exhaust system on Type A buses must have a corrosion-resistant muffler and tailpipe. The tailpipe must exit to the left of left frame rail and behind the rear wheels. The chassis manufacturer must ensure that the exhaust design allows the exit location left of the left frame rail to be maintained after any modifications to frame length by the chassis or body manufacturer. Manufacturers must ensure that exhaust temperature exiting the tailpipe with the engine running during any normal loading or unloading activity will not produce first, second or third-degree burns on students or other individuals present. The bus must not automatically regenerate the diesel particulate filter while the bus is stationary.

FRAME SIDE MEMBERS:
Frame side members must be of one-piece construction between the front and rear spring hangers. Frame rails of Type A chassis must have a minimum tensile strength of 50,000 pounds per square inch (psi).

FRONT AXLE WHEEL SEALS:
All Type A buses greater than 14,500 GVWR must have oil-lubricated front axles and seals.

FUEL TANK:
The fuel tank filler spout must be located in an easily serviceable location.
**HEADLIGHTS:**
Headlights must meet FMVSS and SAE standards. All buses must be equipped with Full-Time Lights (FTL) meeting the following requirements:

1. With the ignition switch off, the headlights will operate normally and the FTL system will not operate.
2. With the ignition switch on or in the “accessory” position, and with the engine not running, the FTL must not operate.
3. With the ignition switch on and the engine running with the headlight switch off, the FTL system must operate, providing low-beam headlights and tail, clearance and identification (ID) lights.
4. In all cases, the headlight switch must override the FTL system when in the “on” position.
5. This system must include a buzzer that activates if the headlight system is on with the key switch in the “off” position.

**IGNITION SYSTEM:**
All buses of like chassis manufacturer must have one key, regardless of the type of key supplied to Florida purchasers.

**INSULATION:**
Type A chassis must include heat and noise insulation inside the bus covering the dash panel (fire wall) area to as great an extent as possible. Insulation must extend at least down to the point where the body floor connects to the fire wall, including the engine cover (doghouse), which may be insulated on the interior or exterior.

**LINE-SET TICKET:**
The manufacturer must include with delivery of the vehicle a line-set ticket to accurately reflect all chassis components, the Gross Axle Weight Rating (GAWR) of both front and rear axles, and the gross vehicle weight rating (GVWR).

**PAINT AND FINISH:**
School bus yellow paint must meet SBMTC-008 for color and must have a finished gloss rating of at least 85 at 60°F and a distinctness of image rating of an average of at least 50, measured using the same method specified for gloss under [GENERAL INFORMATION AND WARRANTY PROVISIONS](#). Paint must be applied for a total dry thickness of at least 1.8 mils over all painted surfaces. Trim, lettering and the bumper must be black, except that the bumper must be striped with reflective material in accordance with [National School Transportation Specifications and Procedures, Revised 2015](#). Rims for all buses with hub-piloted wheels must be National School Bus Yellow and powder-coated by the rim manufacturer. Lug nuts must not be painted. All stud-piloted rims must be painted black.

**STEERING:**
A factory-installed tilt steering wheel/column is required.

**TIRES AND RIMS:**
Chassis must be equipped with radial tubeless tires and must have dual rear wheels. Type A buses greater than 14,500 GVWR must use hub-piloted disc wheels. Tires and rims must conform to current standards of the Tire and Rim Association.

**TRANSMISSION, AUTOMATIC:**
An automatic transmission is required on all chassis. It shall be heavy-duty, with a minimum of four forward speeds, on all units. On Type A chassis, 30 capacity and larger, the transmission must be an Allison 1000 or 2000 or approved equal. An external filter in the transmission oil cooler return line is required on Allison 1000 and 2000 equipped units. All Allison transmissions require OEM-approved synthetic transmission fluid and OEM filters.

Automatic transmissions incorporating a parking pawl must have a transmission shifter interlock controlled by the application of the service brake to prohibit accidental engagement of the transmission. All non-park pawl
transmissions must incorporate a park brake interlock that requires the service brake to be applied to allow release of the parking brake.

Any requests for transmission substitutions must be approved in writing by the purchasing district and the department’s School Transportation Management Section.

**VOLTAGE CONTROL:**
The voltage regulator must be solid state (transistorized) and readily accessible for service. A voltmeter is required with a graduated scale.

**WARRANTIES:**
See required warranties under **GENERAL INFORMATION AND WARRANTY PROVISIONS.**

**WIRING HARNESS:**
The wiring must be rated for 100 amps load and include complete wiring for the tail and stop lights. It must be designed with color coding for circuits. The fuse box door, if equipped, must have a positive latch.
TYPE A SCHOOL BUS
OPTIONAL CHASSIS EQUIPMENT

AIR-SPRUNG REAR SUSPENSION SYSTEM:
There shall be an option for an air-ride or approved equivalent air-sprung rear suspension system, when available. Rear shock absorbers are also required with this option, as on standard suspension systems.

COLLISION MITIGATION:
There shall be an option for passive and/or active electronic collision mitigation system(s), if available.

LOW-PROFILE RADIAL TIRES:
There shall be an option for all-wheel-position, highway-ribbed, low-profile, tubeless radial tires of size and load range meeting Tire and Rim Association Standards for the required GAWRs.

SPARE DISC WHEEL:
There shall be an option for a spare disc wheel, which must be same size and type as the original rims.

STABILITY CONTROL:
There shall be an option for electronic stability control meeting the minimum requirements of FMVSS No. 136, if available.

STRAIGHT FLOOR CHASSIS:
There shall be an option for Type A chassis to accept straight floor bodies (i.e., bodies with no wheel wells). This type chassis must have a combination of axles, suspension, tires, wheels and axle stops that ensures that the maximum upward travel of the rear suspension in normal straight-ahead driving does not protrude above the top of the frame rails.

TOW HOOKS OR TOW EYES:
There must be two subcategories for this option: (1) two heavy-duty front tow hooks or tow eyes (each hook or eye must be installed by the chassis manufacturer in an approved manner to each frame rail); (2) two heavy-duty rear tow hooks or tow eyes (each hook or eye must be installed by the chassis manufacturer in an approved manner to each frame rail).

AUTOMATIC TRANSMISSION WARRANTY:
There shall be an option for extension of the transmission warranty to five years, unlimited mileage, 100 percent parts and labor. Also see GENERAL INFORMATION AND WARRANTY PROVISIONS.
SECTION II
TYPE C AND TYPE D SCHOOL BUS
MINIMUM CHASSIS SPECIFICATIONS

ALTERNATOR:
Types C and D chassis with internal combustion engines shall be equipped with a heavy-duty alternator having a minimum output rating of 200 amps or higher, and should produce a minimum current output of 50 percent of the rating at engine idle speed.

Buses equipped with an electrically powered wheelchair lift and/or air conditioning shall have a minimum alternator output of 240 amps and may be equipped with a device that increases the engine idle speed when the voltage drops to, or below, a pre-set level.

BATTERIES:
The storage batteries shall have minimum cold cranking capacity rating (cold cranking amps) equal to the cranking current required for 30 seconds at 0 degrees Fahrenheit and a minimum reserve capacity rating of 120 minutes at 25 amps. Higher capacities may be required, depending upon optional equipment and local environmental conditions.

BRAKE, PARKING:
On hydraulic brake models, a parking brake is required, with the control mounted for easy access by the driver. On air brake models, a dash-mounted control valve to spring-set the parking brake on the rear wheels is required.

BRAKES, SERVICE:
Hydraulic brakes are acceptable on 29-35 capacity Type C buses. Air brakes are required on all Type C buses larger than 41 capacity, and all Type D front and rear engine buses.

BUMPER, FRONT:
Types C and D buses must have a front bumper that is black, of full width channel type, and a minimum of 8 inches wide (vertically). The bumper must have sufficient structural and mounting strength to ensure that the front of the vehicle can be lifted by means of an air bumper-type jack, without permanent deformation of the bumper, brackets, or chassis frame rail(s).

ENGINE EQUIPMENT:
1. Diesel engines must be available in at least one of the following two configurations:
   a. Parent bore type block; in-line 6 cylinder design; minimum 6.4 liters displacement.
   b. Wet sleeve type block; in-line 6 cylinder design; minimum 6.4 liters displacement.

   NOTE: Additional engines of other configurations or displacements, including gasoline, propane and CNG (not in lieu of the above), meeting all other requirements listed herein may be offered, subject to approval by the department. Electric-powered configurations may be offered and are exempt from the engine requirements listed below.

2. A dry type air cleaner is required. An air filter restriction indicator is required on diesel engines. The restriction indicator must incorporate a system that does not allow unfiltered air into the engine if the indicator cracks or breaks.
3. The engine must be equipped with a full-flow, spin-on or cartridge-type oil filter(s), with the filter header(s) mounted directly to engine.
4. An engine coolant recovery or deaeration system is required on all chassis. Diesel engines must include a means for visually checking the coolant level without removing the deaeration tank cap or releasing pressure from the cooling system.
5. A warning system consisting of a light and a buzzer is required on gasoline, propane, CNG and diesel-powered chassis to notify the driver of low engine oil pressure and/or coolant overheating.

6. A fuel filtration system with a water separator is required on diesel engines and must remove contaminants from the fuel prior to entry into the engine. The system must have a clear sight bowl or be equipped with a water-in-fuel light to notify technicians of the presence of water, must provide a valve for draining trapped water from the system, and must include an electric or a manual priming pump.

7. An engine oil pressure gauge and a coolant temperature gauge are required. The oil pressure gauge must provide accurate, easily discernible readings across the entire operating range, from hot idle to full oil pressure. Gauges on engines with idle oil pressure, which under normal conditions is low, must provide a clear distinction between no oil pressure and engine idle oil pressure. Gauges must be directly visible to the driver in the normal seated position and must not be mounted near the center of the dash where the service door control or associated hardware could block visibility of the gauges.

8. Radiator and other engine coolant hoses supplied by the chassis manufacturer (not including heater hoses) must be constructed of silicone rubber or ethylene propylene diene monomer (EPDM) covering and aramid fiber reinforcement meeting or exceeding SAEJ20R EC Class D-1. Silicone hose, if used, must include stainless steel shoe-type hose clamps or constant-torque clamps. Hoses must have markings, coloring or other visible means of distinguishing them from standard hoses.

9. Manufacturers must use the largest capacity oil pan available for each engine configuration in order to achieve the longest duration oil change interval.

**ENGINE PERFORMANCE REQUIREMENTS:**
Each bus must be furnished with a power train that meets or exceeds the following minimum criteria when tested at the GVWR required for a given bus capacity, and with all accessories (including air conditioning compressor(s), if equipped) on and operating:

1. Startability of 20 percent;
2. Gradeability of 5 percent at 25 miles per hour;
3. Gradeability of 1.5 percent at 50 miles per hour; and
4. Minimum top speed of 60 miles per hour.

**NOTE:** The chassis manufacturer should use the heaviest chassis/body combination meeting these specifications for the specific bus size to determine required power train components. This test is an on-road test and will be performed using the heaviest available chassis/body, depending on body or bodies supplied. At the discretion of the department, unanticipated factors or variations in test conditions affecting performance test results that are beyond the control of the chassis manufacturer may be taken into account. A Pro Link, a diagnostic computer or a speed wheel are also acceptable tools for this test.

Maximum acceleration time (from zero mph), must be as follows (measured in seconds): Performance must be measured with the actual completed vehicle (i.e., with body installed, unloaded except for the driver and one passenger). The vehicle must be in drive, with the engine at idle, the service brakes applied, the emergency brakes released, and all accessories on and operating. Measurement of acceleration time must begin at the moment the throttle is applied (the throttle is to be immediately and rapidly depressed to full throttle).

**29-77 Capacity Types C and D:**

<table>
<thead>
<tr>
<th>TEST METHOD</th>
<th>0-10 MPH</th>
<th>0-20 MPH</th>
<th>0-30 MPH</th>
<th>0-40 MPH</th>
<th>0-50 MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTUAL</td>
<td>3.4</td>
<td>6.2</td>
<td>12.0</td>
<td>20.0</td>
<td>32.2</td>
</tr>
</tbody>
</table>

**78-90 Capacity Type D:**

<table>
<thead>
<tr>
<th>TEST METHOD</th>
<th>0-10 MPH</th>
<th>0-20 MPH</th>
<th>0-30 MPH</th>
<th>0-40 MPH</th>
<th>0-50 MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTUAL</td>
<td>3.7</td>
<td>7.1</td>
<td>12.0</td>
<td>20.0</td>
<td>32.2</td>
</tr>
</tbody>
</table>
Manufacturers may offer additional engine configurations and horsepower ratings that exceed these requirements as optional equipment.

**EXHAUST SYSTEM:**
The exhaust system must have a corrosion-resistant muffler and tailpipe. The tailpipe must exit to the left of left frame rail and behind the rear wheels. Manufacturers must ensure that exhaust temperature exiting the tailpipe with the engine running during any normal loading or unloading activity will not produce first, second or third-degree burns on students or other individuals present. The bus must not automatically regenerate the diesel particulate filter while the bus is stationary. Also see Section III, Electrical Equipment and Wiring.

**FRAME SIDE MEMBERS:**
Frame side members must be of one-piece construction between the front and rear spring hangers. Frame rails must have a minimum tensile strength of 50,000 pounds per square inch (psi).

**FRONT AXLE LUBRICATION:**
All buses must have oil-lubricated front axle hubs, providing an externally visible means of checking the lubricant level.

**HEADLIGHTS:**
Headlights must meet FMVSS and SAE standards. All buses must be equipped with Full-Time Lights (FTL) meeting the following requirements:

1. With the ignition switch off, the headlights will operate normally and the FTL system will not operate.
2. With the ignition switch on or in the “accessory” position, and with the engine not running, the FTL must not operate.
3. With the ignition switch on and the engine running with the headlight switch off, the FTL system must operate, providing low-beam headlights and tail, clearance and identification (ID) lights.
4. In all cases, the headlight switch must override the FTL system when in the “on” position.
5. This system must include a buzzer that activates if the headlight system is on with the key switch in the “off” position.

**HOOD:**
Engine hood on Type C buses must not require more than 20 pounds of force to open or close.

**IGNITION SYSTEM:**
All ignition switches must be keyed alike. All buses of like chassis manufacturer and type must have one key.

**INSULATION:**
Type C chassis must include full width and height heat and noise insulation on the inside or outside of the bus covering the dash panel (firewall) area to as great an extent as possible and at least up to the top of the firewall and down to the point that the body floor connects to the firewall, including the engine cover (doghouse). Type D Front Engine buses must include complete heat and noise insulation of the doghouse area.

**LINE-SET TICKET:**
Manufacturer must include with delivery of vehicle a line-set ticket to accurately reflect all chassis components, GAWR of both front and rear axles, and GVWR.

**PAINT AND FINISH, TYPES C and D CHASSIS:**
School bus yellow paint must meet SBMTC-008 for color and must have a finished gloss rating of at least 85 at 60° and a distinctness of image rating of an average of at least 50 measured using the same method specified for gloss under GENERAL INFORMATION AND WARRANTY PROVISIONS. Paint must be applied for a total dry thickness of at least 1.8 mils over all painted surfaces. Trim, lettering and bumper must be black, except that bumper must be striped with reflective material in accordance with National School Transportation Specifications and
Procedures, Revised 2015 and Procedures or these specifications. Rims must be powder-coated, National School Bus Yellow, by the wheel manufacturer. Lug nuts must not be painted.

NOTE: MFSAB is excluded from the school bus yellow color requirement of this section, however, all other paint rating requirements shall apply. See MFSAB requirements under GENERAL INFORMATION AND WARRANTY PROVISIONS beginning on page 1.

RADIATOR FILLER TUBE:
The radiator filler must be located for ease of service from the engine compartment on Type C and Type D rear engine buses. It must be located for ease of service from outside the bus on Type D front engine buses.

STABILITY CONTROL:
Electronic stability control meeting the minimum requirements of FMVSS No. 136 is required.

STEERING:
A tilt steering wheel/column is required.

TIRES AND RIMS:
Chassis must be equipped with radial tubeless tires mounted on hub-piloted disc wheels. All wheels of 8.25 inches or greater width must be two hand-hold wheels. Tires and rims must conform to current standards of the Tire and Rim Association (see Chassis Specifications Charts for sizes). See PAINT AND FINISH for wheel color information.

TRANSMISSION, AUTOMATIC:
An automatic transmission is required on all chassis as specified:
1. Type C 29-47 capacity, Allison PTS 2100, 5 speed or Ford 6R140, 5 speed or approved equal.
2. Type C 65-78 capacity, Allison PTS 2500, 5 speed or Ford 6R140, 5 speed or approved equal.
3. Type D 71 capacity front engine, Allison PTS 2500, 5 speed or approved equal.
4. Type D 78-89 capacity front engine, Allison PTS 2500, 5 speed or approved equal.
5. Type D 72 capacity rear engine, Allison PTS 2500, 5 speed or approved equal.
6. Type D 78-89 capacity rear engine, Allison PTS 3000, 6 speed or approved equal.

All requests for transmission substitutions must be approved in writing by the purchasing district and by the department’s School Transportation Management Section.

Allison PTS 2000 series transmissions must include an external spin-on type, vertically mounted transmission fluid filter. The shifter must be dash- or console-mounted and must be either a T-handle or push-button design.

Allison PTS 3000 series transmissions must have at least five speeds enabled for front engine Type D and six speeds for rear engine Type D.

All transmissions require synthetic or OEM approved equal transmission fluid and must use OEM filters.

Automatic transmissions incorporating a parking pawl must have a transmission shifter interlock controlled by the application of the service brake to prohibit accidental engagement of the transmission. All non-park pawl transmissions must incorporate a park brake interlock that requires the service brake to be applied to allow release of the parking brake.

WIRING HARNESS:
All chassis electrical wiring must conform to current standards of the Society of Automotive Engineers, be coded by color, insulated and completely encased in convoluted loom or equivalent protective wrapping. In locations that prevent such looming, wires must be properly held in place by appropriate fasteners at intervals necessary to prevent possible damage to wire insulation. The fuse box door, if equipped, must have a positive latch. All chassis electrical
circuits must be fused per the requirements of FMVSS. Buses using multiplexed electrical systems may meet the intent of these specifications without the use of specified equipment, subject to approval by the department.
### TYPE C CHASSIS:

<table>
<thead>
<tr>
<th>Maximum Design (Passenger) Capacity</th>
<th>29LT</th>
<th>29</th>
<th>47</th>
<th>65</th>
<th>71</th>
<th>77</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Axle Weight Rating (pounds)</td>
<td>5,000</td>
<td>6,000</td>
<td>7,000</td>
<td>9,000</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Rear Axle Weight Rating (pounds)</td>
<td>10,000</td>
<td>13,000</td>
<td>15,000</td>
<td>19,000</td>
<td>19,000</td>
<td>20,000</td>
</tr>
<tr>
<td>Cowl to axle, minimum (inches)</td>
<td>123</td>
<td>123</td>
<td>162</td>
<td>229</td>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>Minimum tire size-Load Range; tubeless-radial ply*</td>
<td>225R-19.5F</td>
<td>10R-22.5-F</td>
<td>11R-22.5-G</td>
<td>11R-22.5-G</td>
<td>11R-22.5-G</td>
<td>11R-22.5-G</td>
</tr>
<tr>
<td>Disc wheels -- minimum rim width (inches)</td>
<td>6.75</td>
<td>7.5</td>
<td>8.25</td>
<td>8.25</td>
<td>8.25</td>
<td>8.25</td>
</tr>
<tr>
<td>Hub-piloted disc wheels for tubeless radial tires</td>
<td>6 stud, 5 hand hold</td>
<td>6 stud, 5 hand hold</td>
<td>10 stud, 2 hand hold</td>
<td>10 stud, 2 hand hold</td>
<td>10 stud, 2 hand hold</td>
<td>10 stud, 2 hand hold</td>
</tr>
<tr>
<td>Fuel tank minimum size (gallons)</td>
<td>30</td>
<td>30</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>Allison transmission series (# of forward gears) ** Must include park pawl.</td>
<td>PTS 1000 or 2200 (5)**</td>
<td>PTS 2100 (5)</td>
<td>PTS 2100 (5)</td>
<td>PTS 2500 (5)</td>
<td>PTS 2500 (5)</td>
<td>PTS 2500 (5)</td>
</tr>
</tbody>
</table>

** Must include park pawl.

### TYPE D FORWARD CONTROL FRONT ENGINE:

<table>
<thead>
<tr>
<th>Maximum Design (Passenger) Capacity</th>
<th>71</th>
<th>77</th>
<th>83</th>
<th>89</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Axle Weight Rating (pounds)</td>
<td>10,800</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
</tr>
<tr>
<td>Rear Axle Weight Rating (pounds)</td>
<td>17,000</td>
<td>19,000</td>
<td>21,000</td>
<td>23,000</td>
</tr>
<tr>
<td>Tires – minimum size, Load Range acceptable*</td>
<td>11R-22.5G</td>
<td>11R-22.5G</td>
<td>11R-22.5-G</td>
<td>11R-22.5-G</td>
</tr>
<tr>
<td>Hub-piloted disc wheels-10 stud, minimum rim width (inches)</td>
<td>8.25, 2 hand hold</td>
<td>8.25, 2 hand hold</td>
<td>8.25, 2 hand hold</td>
<td>8.25, 2 hand hold</td>
</tr>
<tr>
<td>Minimum size fuel tank (gallons)</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>Allison transmission series (# of forward gears)</td>
<td>PTS 2500 (5)</td>
<td>PTS 3000 (5)</td>
<td>PTS 3000 (5)</td>
<td>PTS 3000 (5)</td>
</tr>
</tbody>
</table>

An automatic transmission is required on all chassis. See **TRANSMISSION, AUTOMATIC** for required specifications.

Maximum overall length of the bus must not exceed 45 feet, bumper to bumper.

*Low-profile tubeless radial tires of size and load range meeting Tire and Rim Association Standards for the required GAWRs may be approved in lieu of standard conventional tubeless radial tires.
## TYPE D REAR ENGINE CHASSIS SPECIFICATIONS CHART:

<table>
<thead>
<tr>
<th></th>
<th>72</th>
<th>78</th>
<th>84</th>
<th>90</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum Design (Passenger) Capacity</strong></td>
<td>72</td>
<td>78</td>
<td>84</td>
<td>90</td>
</tr>
<tr>
<td>Front Axle Weight Rating (pounds)</td>
<td>11,000</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
</tr>
<tr>
<td>Rear Axle Weight Rating (pounds)</td>
<td>19,000</td>
<td>21,000</td>
<td>23,000</td>
<td>23,000</td>
</tr>
<tr>
<td>Tires – minimum size, Load Range acceptable *</td>
<td>11R-22.5-G</td>
<td>11R-22.5-G</td>
<td>11R-22.5-G</td>
<td>11R-22.5-G</td>
</tr>
<tr>
<td>Hub-piloted disc wheels-10 stud, minimum rim width (inches)</td>
<td>8.25, 2 hand hold</td>
<td>8.25, 2 hand hold</td>
<td>8.25, 2 hand hold</td>
<td>8.25, 2 hand hold</td>
</tr>
<tr>
<td>Minimum size fuel tank (gallons)</td>
<td>60 gal.</td>
<td>60 gal.</td>
<td>60 gal.</td>
<td>60 gal.</td>
</tr>
<tr>
<td>Allison transmission series (# of forward gears)</td>
<td>PTS 2500 (5)</td>
<td>PTS 3000 (6)</td>
<td>PTS 3000 (6)</td>
<td>PTS 3000 (6)</td>
</tr>
</tbody>
</table>

*Must meet Tire and Rim Association Standards. Low-profile tubeless radial tires of size and load range meeting Tire and Rim Association Standards for the required GAWRs may be approved in lieu of standard conventional tubeless radial tires.*

Maximum length of vehicle must not exceed 45 feet, bumper to bumper.
TYPE C AND TYPE D SCHOOL BUS
OPTIONAL CHASSIS EQUIPMENT SPECIFICATIONS

AIR-SPRUNG FRONT SUSPENSION SYSTEM:
There shall be an option for an air-ride or approved equivalent air-sprung front suspension system, when available. Front shock absorbers are also required with this option, as on standard suspension systems.

AIR-SPRUNG REAR SUSPENSION SYSTEM:
There shall be an option for an air-ride or approved equivalent air-sprung rear suspension system, when available. Rear shock absorbers are also required with this option, as on standard suspension systems.

COLLISION MITIGATION:
There shall be an option for passive and/or active electronic collision mitigation system(s), if available.

ALTERNATOR, HIGHER OUTPUT:
There shall be an option for alternators having a minimum of 270 amps hot-rated output.

HIGH CAPACITY FUEL TANK:
There shall be an option for a fuel tank of higher capacity than the standard fuel tank, mounted on the right side or between the frame rails, when available.

LOW-PROFILE RADIAL TIRES:
There shall be an option for all-wheel-position, highway-ribbed, low-profile tubeless radial tires of size and load range meeting Tire and Rim Association Standards for the required GAWRs.

SPARE DISC WHEEL:
There shall be an option for a spare disc wheel, which must be same size, type and color as the original rims.

TOW HOOKS OR TOW EYES:
There shall be an option for two heavy-duty tow hooks or tow eyes, installed by manufacturer on each frame rail at the front of the bus in an approved manner. The manufacturer may also offer rear-mounted tow hooks or tow eyes meeting these requirements.

STRAIGHT FLOOR CHASSIS:
There shall be an option for a chassis designed to accept straight floor bodies (i.e., bodies with no wheel wells). This type of chassis must have a combination of axles, suspension, tires, wheels and axle stops that ensures that the maximum upward travel of the rear suspension in normal straight-ahead driving does not protrude above the top of the frame rails.

TIRES:
There shall be an option for alternate brand, size and tread designs of tires when available. Optional tires must meet GAWR requirements and Tire and Rim Association Standards.
SECTION III
The specifications set forth in this section apply to types A, C and D school buses. Special exceptions for Type D bodies are listed at the end of this section. The completed school bus must meet all Federal Motor Vehicle Safety Standards, requirements of the State of Florida and requirements of the National School Transportation Specifications and Procedures, Revised 2015 (state specifications supersede national specifications). References to bus capacity within these specifications are for Maximum Design Capacity, as defined below under BODY DATA PLATE.

**BATTERY DISCONNECT SWITCH:**
There must be a battery disconnect switch in the air conditioning (A/C) or battery compartment or within three feet of the battery box if no A/C box is available. This switch must be accessible and operable from the exterior of the bus. Electronic control modules may be connected to battery power per the manufacturer’s discretion; however, any circuit that does not become an open circuit with the actuation of the battery disconnect switch must be fused appropriately at the power source and labeled so each circuit is easily identifiable.

**BODY DATA PLATE:**
A durable data plate must be mounted inside the body in a clearly visible location. The body data plate information must include a listing of the “Maximum Design Capacity” and the “Equipped Capacity” of the body. Maximum Design Capacity must be the maximum number of passengers the bus (body shell size) can carry, based on 12.8 inches minimum seat width per passenger, with the minimum knee room (seat spacing) permitted by FMVSS No. 222. Equipped Capacity must be the actual passenger capacity of the finished body, as equipped by the manufacturer, based on:

1. The number of total passengers the installed bench seats are designed to carry; and
2. The number of wheelchair positions installed (based on wheelchair space dimensions contained in Section IV of these specifications).
3. An example of the format to be used for Equipped Capacity is “28 + 3 WC,” meaning 28 regular passenger seating positions plus three wheelchair positions.

**BODY FLUID CLEANUP KIT:**
Each bus must be equipped with a disposable, sealed body fluid cleanup kit mounted by a method that will retain it under a load equivalent to 20 times the weight of the kit and must be removable without the use of tools. The kit must be accessible to the driver. The kit container must be sealed with a breakable, nonreusable seal, with the following items:

1. A U.S. Environmental Protection Agency (EPA) registered liquid germicide (tuberculicidal) disinfectant;
2. A fully disposable wiping cloth;
3. A water-resistant spatula;
4. Step-by-step directions;
5. Absorbent material with odor counteractant;
6. Two pairs of gloves (Nitrile);
7. One package towelettes; and
8. A discard bag (non-labeled paper bag with plastic liner and a twist tie). This bag must be approximately 4 x 6 x 14 inches and of a non-safety color (i.e., not red, orange or yellow).

**BUMPER, REAR:**
The rear bumper must be of pressed steel channel at least 3/16 inch thick, 8 inches wide (vertically), and flanged 2 inches at the top and bottom, or otherwise designed to furnish equal flexural strength. It must be of wraparound design and securely fastened to each chassis rail and braced from each end of bumper to chassis rail with heavy braces. The bumper must have the structure and strength necessary to allow the unloaded vehicle to be lifted with a bumper jack without deformation or damage. The contour of the bumper must fit the contour of the body in a manner to prevent
hitching to or riding on the bumper. An appropriate seal must be applied between the bumper and the body panel, unless the gap between the bumper and the body panel is 1/8 inch or less.

**DRIVER'S DOCUMENT COMPARTMENT:**
On Types C and D buses, a pouch on the front side of the driver’s side crash barrier with minimum dimensions of 17 x 12 x 4 inches is required. This pouch must be located to the left side of the barrier for types B and C, and to the right side of the barrier for Type D, accessible to the driver from the seated position. It must be made of the same material as the covering on the barrier and have a lid or cover with a latching device such as Velcro™ or snaps.

**DRIVER'S SEAT:**
All school buses must have a driver's seat equipped with a one-piece high back designed to minimize the potential for head and neck injuries in rear impacts, providing minimum obstruction to the driver's view of passengers, and meeting applicable requirements of FMVSS No. 222. The height of the seat back must be sufficient to provide the specified protection for up to a 95th percentile adult male, as defined in FMVSS No. 208. The driver contact area of the cushion and seat back must be made of soil and wear-resistant cloth material, nylon, or equivalent. The remainder of the seat may be of a different material. The seat must be centered behind the steering wheel with the backrest a minimum distance of 11 inches behind the steering wheel. The seat must be securely mounted to ensure minimal flexing of the seat and the floor panel(s).

All school buses equipped with air brakes must also be equipped with an air suspension driver’s seat meeting the following additional requirements:

1. The air control for the height adjustment must be within easy reach of the driver in the seated position.
2. The seat cushion must have a minimum of 19 inches wide, be fully contoured for maximum comfort, and have a minimum of two adjustment positions to allow adjustment of seat bottom angle.
3. The backrest must include adjustable lumbar support.
4. The seat must have a minimum of 7 inches fore and aft travel, adjustable with the driver in the seated position. This requirement applies to the seat mechanism.
5. The seat must have a minimum 4 inches up and down travel.
6. The seat back must include adjustability of tilt angle.
7. All adjustments must be by fingertip controls not requiring the use of tools.
8. Air suspension seats must be dampened by dual shock absorbers, acting independently.
9. The seat must comply with all applicable Federal Motor Vehicle Safety Standards.
10. All other buses must have a driver’s seat equipped with a hydraulic and/or spring suspension base, and a minimum seat cushion width of 19 inches, and must meet the other requirements listed herein for air suspension seats.

The chassis manufacturer’s standard driver's seat is acceptable for Type A buses. Also, see **GENERAL INFORMATION AND WARRANTY PROVISIONS.**

**DRIVER'S SEAT BELT:**
Buses must be equipped with a Type 2 lap belt/shoulder harness seat belt assembly for the driver. The design must incorporate a fixed female push-button latch on the right side at seat level, and a male locking bar tongue on the left, retracting side. The assembly must be equipped with a single, dual sensitive Emergency Locking Retractor (ELR) for the lap and shoulder belt. This system must be designed to minimize cinching down on suspension type seats. The lap portion of the belt must be anchored or guided at the seat frame by a metal loop or other means at the right side of the seat to prevent the driver from sliding sideways out of the seat. There must be a minimum of 7 inches of adjustment of the “D” loop of the driver’s shoulder harness, designed to provide adequate adjustment for all sizes of drivers within the range of a 5th percentile female to a 95th percentile adult male, as defined in FMVSS No. 208. Shoulder belt tension must be no greater than is necessary to provide reliable retraction of the belt and removal of excess slack. The seat belt assembly and anchorage must meet applicable FMVSS. Seat belt material must be bright orange in color, in order to provide maximum contrast with the driver’s clothing.

**NOTE:** The driver's seat belt assembly for Type A buses must be the manufacturer’s standard Type 2 driver seat belt, meeting applicable FMVSS for school buses of 10,000 pounds GVWR and less.
**ELECTRICAL EQUIPMENT AND WIRING:**
All wiring must conform to current SAE standards, be coded by color and be insulated. All joints must be soldered or joined by equally effective fasteners. All wires connected directly to the battery must have the end terminals protected with heat-shrink tubing. Body wiring and connectors, including any battery cables routed by the body manufacturer, must be routed so as to eliminate the possibility of wiring and connectors becoming abraded, pierced by fasteners, shorted or otherwise damaged during manufacture and use. All chassis and body electrical wiring must be completely encased in convoluted loom or equivalent protective wrapping. In locations that prevent such looming, wires must be properly held in place by appropriate fasteners at intervals necessary to prevent possible damage to wire insulation. A complete body wiring diagram showing the location of wires and the code of circuits for buses meeting Florida Specifications must be installed in each body. Additionally, for all school bus body optional electronic components installed in the bus, the body manufacturer must provide each district with at least one comprehensive parts and repair manual. Buses using multiplexed electrical systems may meet the intent of these specifications without the use of specified equipment subject to approval by the department. All requirements listed herein for Light Emitting Diode (LED) type lights must be for the latest generation LEDs available at the time of manufacture. Electrical components specified below must be provided, and wiring must be in circuits, as follows:

**ACCESS PANEL, ELECTRICAL:**
All Type C and D buses must be equipped with an electrical access panel to provide access to body electrical components and circuits.

**BACKUP LIGHTS; BACKUP ALARM and DECAL:**
There must be two backup lights of 4 inches in diameter, or 12.5 square inches, on the rear of all bodies meeting the following requirements:
1. They must be sealed LED lights;
2. They must use a plug connector; and
3. They must be set into the bus body (flush-mounted).

The body manufacturer must provide a backup alarm on each bus to provide audible warning that the bus is in reverse gear. The alarm must meet the requirements of SAE J994 and have a variable volume feature that allows the alarm to vary from 87 dBA to 112 dBA sound level, staying at least 5 dBA above the ambient noise level.

All buses must have a decal in full view of the driver indicating that the bus is equipped with a backup alarm.

**BRAKE/TAIL LAMPS, LARGE:**
Buses must be equipped with two combination LED type brake/tail lamps of a minimum of 7 inches in diameter or 38 square inches, mounted as high and spaced as far apart laterally as practical, below the window line, but not less than three feet measured from the center of the lamps. Also, they must use a plug type connector meeting FMVSS and SAE standards.

**BRAKE/TAIL LAMPS, SMALL:**
Buses must be equipped with two combination brake/tail lamps of 4 inches in diameter or 12.5 square inches, meeting FMVSS. Light intensity must at least equal Class A turn signal units. These lights must be LED lights with smooth exterior lens surfaces. They must use a plug connector and be set into the bus body.

**CIRCUIT BREAKERS:**
All body electrical circuits must be fused per the requirements of FMVSS. The main body electrical circuit must be protected by a manually resettable circuit breaker or fusible link.
CLEARANCE AND IDENTIFICATION LIGHTS:
All clearance and identification lights must meet current SAE requirements and FMVSS and must:
1. Be sealed LED lights.
2. Be surface-mounted with Lexan™, polycarbonate, or other non-corrosive material guard to prevent breakage. Lights set into the body do not require guards.
3. Use a plug connector.
4. Be activated by the headlight circuit.

CONTROL PANEL LIGHTING:
The control panel or switches supplied by the body manufacturer must be illuminated and have a control for varying the illumination to the control panel or switches.

EMERGENCY EXIT BUZZER:
Emergency door and emergency window buzzers must be connected to the accessory side of the ignition switch.

HEATER/DEFROSTER:
There must be a heater mounted in the front of the bus. A supplemental heater may be installed in any bus. All heaters must provide evenly distributed heat throughout the bus body, provide defrosting for the windshield and entrance door and meet the following performance standards:
1. Heaters must have capabilities of providing evenly distributed heat and creating a temperature rise to 50° F inside the body shell when soaked in an ambient temperature of 0° F for 15 hours. Heater performance must be measured as follows:
   a. Temperature measurement must be taken 39 inches inward from side walls, 39 inches inward from windshield and rear door, and 36 inches above floor. Heat must be evenly distributed through the aisle area.
   b. Temperature must rise to 50° F inside (when soaked in ambient temperature of 0° F for 15 hours) in 20 minutes when 170° F hot water is applied at the rate of 3 gallons per minute at a maximum of 6 psi pressure.
2. Defrosters – Must meet the following criteria:
   a. Must be able to defrost the total windshield area in a reasonable period of time under all normal driving conditions.
   b. Must be directional to provide the driver capability of defrosting in the drive view area first.
   c. Defroster system must have the capability of mixing a minimum of 50 percent outside fresh air with the defrosting air.
   d. Defroster system must meet the SAE Standard J381 performance requirement.

All heater hoses must meet or exceed SAEJ20R EC Class D-1 standards. If silicone hoses are used, shoe design hose clamps must be used. Heater lines on the interior of the bus must be fully shielded to prevent scalding of the driver or passengers in the event of a hose or connection failure. The modesty panels must not obstruct heat flow from the driver's area to the passenger area of the bus; this may be accomplished by ducting or other means that retains, to the extent practical, the required full width aluminized steel panel extending down to the floor. Also see SEATING AND MODESTY PANELS.

A 1/4 turn ballcock coolant flow regulating valve for the heater must be installed so that its control is accessible to the driver, but in such a location as to discourage tampering by students. This valve may be remotely located if a suitable remote control system is used. Also required are 1/4 turn ballcock coolant flow regulating shut-off valves, installed in the pressure and return lines as close to the engine as possible.

The windshield defroster and defogging system must provide defogging of the entire windshield, driver's side window and entrance door glasses by using hot air taken from the heater core. Bodies that do not have defrosters providing forced heated air by means of ducting across entire base of windshield must be equipped...
with an additional right-side mounted defroster fan that uses hot air from the heater. One electrical switch must be provided to simultaneously turn on or off any fan(s) providing hot air for defogging of the windshield, driver's side window and entrance door glass.

**NOTE:** Type A buses must have a fresh air type heater and defroster system as installed by the chassis manufacturer.

**INTERIOR LIGHTS:**
There must be at least four recessed flush-mounted interior lights in the passenger compartment of the bus, operated by one switch mounted on the control panel. If more than six lights are used, then an additional switch may be added to control these lights. There must also be two recessed flush-mounted interior lights mounted in the driver’s area of the bus (to the left and right of the centerline of the bus), operated by a separate switch mounted on the control panel. Lenses for all interior lights must be Lexan™ or other polycarbonate material. All interior lights must be LED lights.

**LICENSE PLATE LAMP:**
Must be LED and may be combined with one of the required combination brake/tail lamps.

**MASTER SWITCH FOR BODY ELECTRICAL CIRCUITS AND OTHER SWITCHES:**
All bodies must be equipped with an electrical circuit master switch that will turn body circuits ON and OFF by means of a solenoid (relay) controlled by the ignition switch. There must also be a manual noise abatement switch installed in the control panel, labeled and alternately colored, and wired into the activation circuit for the master body circuit solenoid. This must be an on/off switch that deactivates all body equipment that produces noise, including, at least, the AM/FM radio, heaters, air conditioners, fans, and defrosters. This switch must not deactivate safety systems such as windshield wipers or lighting systems. On types C and D buses there must also be a switch mounted in a location inaccessible to the driver to manually start the diesel particulate filter regeneration process. This switch must be appropriately labeled.

**POST-TRIP PASSENGER CHECK SYSTEM:**

**System Requirements:**
1. The bus must be equipped with a system to require the driver to walk to the rearmost interior of the bus after each trip to deactivate the system via a push button and to ensure that no passengers are left on the bus. The system must interconnect with the entrance door (and the driver’s door on Type A buses) and immediately activate if the door is opened when the system is armed.
2. The system must have an indicator light in view of the driver that is illuminated when the system is armed. The system must be armed any time the bus is in service transporting students. This may be accomplished through the use of any reasonable method, such as recording a speed above 20 MPH or exceeding 10 minutes of operation with the door closed. In all cases, the system must arm itself after 10 minutes of operation, and/or any time the red student warning lights are activated.
3. The system may not be disarmed until the vehicle ignition switch has been switched to the “off” position. The system must not be activated if the ignition switch is placed in the accessory position or if the bus is restarted.
4. The system must turn on the interior lights when the ignition switch is turned to the “off” position. The lights must remain on for 60 seconds after system deactivation.
5. The system must not have a bypass.
6. The system must sound the vehicle horn and flash the headlights if the driver fails to deactivate the system within 60 seconds of turning the ignition off. Type A buses may activate the red student warning lights in lieu of the headlights.
7. The system must be disarmed by the use of a push button switch placed on the left rear bulkhead or above the left rear passenger window for types A, C, and D front engine (FE) buses. The push button must be placed above the left rear passenger window for Type D rear engine (RE) buses. This button must be clearly marked.
**System Definitions:**
1. Armed = The system is functioning and is ready to alarm.
2. Disarmed = The system is off and inactive.
3. Activated = The horn is blowing and the lights are flashing.
4. Deactivated = The disarm switch at the rear of the bus has been operated by the driver.

**System Functionality:**
1. The system must be fully automatic in function and must not provide for manual bypass or override capability under any circumstances.
2. From the bus sitting still with ignition key in the “off” position:
   a. With the ignition key switched to the “accessory” position, the system remains disarmed.
   b. With the ignition key switched to the “on” position (engine remaining off), the system remains disarmed.
   c. With the ignition key switched to the “on” position (engine running) and the bus operated under 20 MPH, the system remains disarmed.
   d. With the ignition key switched to the “on” position (engine running) and the bus operated over 20 MPH or for more than 10 minutes of continuous operation (or other reasonable operational trigger mechanism), the system is armed.
3. From bus having been operated over 10 minutes, no longer moving, with the entrance door (and driver’s door, if equipped) closed, the ignition key in the “on” position (engine running) and the system armed:
   a. With the ignition key switched to “off” position (engine off), the interior dome lights are immediately illuminated.
   b. With the ignition key switched to the “off” position (engine off) and the ignition key switched back to the “on” position (engine off or restarted) within 60 seconds, the interior dome lights are extinguished and the system remains armed, but flashing lights and horn alarms are not activated.
   c. With the ignition key switched to the “off” position (engine off), interior dome lights illuminated and entrance door (or driver’s door, if equipped) opened, flashing light and horn alarms are activated.
   d. With the ignition key switched to the “off” position (engine off), interior dome lights illuminated and the driver taking no action for 60 seconds, the flashing lights and horn alarms are activated.
   e. With the ignition key switched to the “off” position (engine off), interior dome lights illuminated, and driver walking to the rear of the bus and disarming the system within 60 seconds, the system is disarmed and no flashing lights and horn alarms are activated.
4. Once the flashing lights and horn alarms are activated, they can be deactivated only by disarming the system at the rear of the bus.
5. The interior dome lights are extinguished 60 seconds after the system is disarmed.

**STUDENT WARNING LIGHTS, STOP ARMS, STUDENT CROSSING ARM, AND SYSTEM CONTROLS AND OPERATION:**

**Student Warning Lights:**
Must be dual-mounted side by side on all corners of bus roof caps. Mounting must be as high as practical on the top and as near the outer edge of the bus, as curvature permits. The lamps must be securely mounted. There must be a black background that is at least 1¼ inches wide. The lamps installed in the outboard locations must be red; the lamps installed in the inboard locations must be amber. The lamps must be clearly visible in bright sunlight for a minimum of 500 feet. Additionally, student warning lights must:
1. Have light assemblies of a flat back design. Cutouts in roof caps must be no larger than necessary to accommodate the student warning lights wires. A flush-mounted design is acceptable.
2. Use strobing LED bulbs.
3. Be 7 inches in diameter or 38 square inches minimum.

**System Controls:**
Must be equipped with the following driver-actuated controls:
1. Master switch – provides means for deactivating the entire system, as would be required when opening the door at a railroad grade crossing.
2. Control switch – three positions: OFF, AMBER and RED. The switch may be a rocker, pull-type, or other switch providing three positions. This switch must be separated from the master switch by at least one inch and colored red.
3. Switch actuated by the service door.
4. Controls must provide for the combinations of switch positions and conditions of student warning lights, stop arm(s), stop arm lights and audible alarm, as indicated on the chart below.

**NOTE:** The system must not be designed in such a way that the operator is required to actuate the controls in a particular sequence to achieve the desired combination of conditions. For example, if the driver places the three-position switch in the AMBER position, with the master switch ON, it must not be required that the three-position switch be moved to RED or that the service door be opened in order to deactivate the AMBER lights. In this example, the driver must be able to deactivate the AMBER lights by going directly from the AMBER to the OFF position.

| With Master Switch, Control Switch, and Service Door In The Following Positions: | Condition of Stop Arm(s), Stop Arm Lights, Amber and Red Student Warning Lights and Audible Alarm Must Be: |
|---|---|---|---|---|---|
| MASTER SWITCH POSITION (ON or OFF) | CONTROL SWITCH POSITION (three positions: off, amber or red) | SERVICE DOOR POSITION | STOP ARMS, STOP ARM LIGHTS | AMBER STUDENT WARNING and PILOT LIGHTS | RED STUDENT WARNING and PILOT LIGHTS | AUDIBLE ALARM |
| 1 ON | OFF | CLOSED | 1 RETRACTED, OFF | OFF | OFF | OFF |
| 2 ON | OFF | OPEN | 2 RETRACTED, OFF | OFF | ON | ON |
| 3 ON | AMBER | CLOSED | 3 RETRACTED, OFF | ON | OFF | OFF |
| 4 ON | AMBER | OPEN | 4 RETRACTED, OFF | OFF | ON | ON |
| 5 ON | RED | CLOSED | 5 EXTENDED, ON | OFF | ON | OFF |
| 6 ON | RED | OPEN | 6 EXTENDED, ON | OFF | ON | OFF |
| 7 OFF | ANY POSITION | ANY POSITION | 7 RETRACTED, OFF | OFF | OFF | OFF |
**Student Crossing Arm:**
Is required and must be:
1. Air-operated on all air brake-equipped buses.
2. Electrically operated on all hydraulic brake buses.
3. Mounted to the far right side of the front bumper and open to an angle perpendicular to the bus.
4. Designed so that all components and connections are weatherproofed.
5. Removable with hand tools for towing of the bus.
6. Designed to meet or exceed SAE Standard J1133.
7. Constructed of noncorrosive or nonferrous material or treated in accordance with the body sheet metal standard.
8. Designed so that it has no sharp edges or projections that could cause hazard or injury to students.
9. Designed and equipped with a four-point mounting to the front bumper.
10. Designed so that the arm extends approximately 72 inches from the front bumper when in the extended position. The arm must be constructed of a yellow polycarbonate material or noncorrosive tubing painted yellow. Approximate dimensions of the arm must be 65 x 3 x 1 inches.
11. Designed and installed to extend simultaneously with the stop arms by means of the stop arm control and retract within eight seconds of deactivation.
12. Equipped with a magnetic device or other assembly attached to the bumper at the end of the arm to provide a positive latch for the arm when not in use; this device must also reduce the tendency of the arm to rattle and vibrate when not in use.

**Stop Arm Signals:**
For all 47 capacity and larger buses, there must be installed on the left outside of the body two approved octagonal stop-signal arms, each equipped with two double-faced alternately flashing LED strobe lights for signaling a student stop. All buses of less than 47 capacity must be equipped with one stop arm. Bodies to be mounted on chassis with hydraulic brakes must be equipped with electrically actuated stop arm(s). Air-powered stop arms must be provided as standard equipment on all buses equipped with air brakes. The rear stop arm location on buses equipped with dual stop arms must be the left side of the bus, as close as practical to the left rear corner of the body. The light lenses of all stop arms must be RED. Air lines must not be readily accessible to students inside or outside the bus and must be made of copper, steel or nonmetallic materials meeting SAE Standard J848d. Fittings must be brass. Stop signal arms must meet the applicable requirements of SAE J1133. For controls, see the requirements above under System Controls. Stop arms must retract within six seconds of deactivation. For color, see LETTERING AND TRIM.

**STEP WELL LIGHT:**
A step well light must illuminate the bus entrance and be adequately protected. The step well light must be activated automatically when the service door is opened and the clearance lights are on. The step well light must be LED. See SERVICE DOOR for further operational requirements.

**STROBE LIGHT:**
A required white flashing LED strobe lamp must be installed on the roof of a school bus at a location centered (laterally) and approximately 48 inches (longitudinally) from the rear edge of the rear roof cap. If the bus is equipped with a roof hatch or other roof-mounted equipment falling within the above mentioned measurements, the strobe lamp may be located directly behind that equipment. The lamp shall have a single clear lens emitting light 360 degrees around its vertical axis, meeting the requirements of SAE J845. It may not extend above the roof more than the maximum legal vehicle height, as described in s. 316.515(2), F.S. A manual switch and a pilot lamp shall be included to indicate when the lamp is in operation.
TURN SIGNAL LAMPS:
Front turn signal lights must be amber LED lights (if available); side turn signal lights must be amber LED lights on each side of the bus, mounted rearward of the service door on the right side and rearward of the front stop arm on the left side. All buses over 30 feet in length must have two amber LED turn signal lights mounted on each side of the bus. The rearmost side turn signals on buses over 30 feet long must be mounted at or rearward of the centerline of the rear axle. Rear turn signal lights must be plug-in LED lights that meet current SAE requirements and comply with FMVSS.

TWO-WAY RADIO:
Use of a two-way radio communications system approved by the school district is acceptable.

VIDEO CAMERA MONITORING SYSTEMS:
Districts may install video cameras in buses provided the installed system:
1. Is mounted securely in the bus;
2. Is outside the federal head impact zone (FMVSS No. 222);
3. Is located in an area not likely to cause student injury; and
4. Has no sharp edges or projections.

NOTE: This is the end of the ELECTRICAL EQUIPMENT AND WIRING section.

EMERGENCY EXITS:
1. The emergency door on all types A, C and front engine Type D buses must be located at the center of the rear of the bus and have a minimum horizontal opening of 24 inches and vertical opening of 48 inches.
2. The emergency door must be hinged on the right-hand side using hinge(s) with a brass or rust-resistant rod.
3. The outside control must consist of a nondetachable opening device designed to prevent “hitching to.”
4. The emergency door must be equipped with a slide bar, cam-operated latching device having a minimum stroke of one inch.
5. The switch for the warning system must be enclosed in a metal case or durable case of other material, with rounded, protected edges. Wires leading from the switch must be concealed in the bus body. The switch must be installed so that the plunger contacts the farthest edge of the slide bar in such a manner that any movement of slide bar will immediately close the switch circuit and activate the buzzer.
6. The door latch must be equipped with an interior handle that extends approximately to the center of the emergency door. It must lift up to release.
7. There must also be attached to the door, in such a way that it is visible inside and outside the bus, labeling as follows: “This door is equipped with a hold-open device. To release, open the door to its fully opened position.” This sticker must be red on a white background, and the lettering must be a minimum height of 1/2 inch.

Each non-lift bus must also be equipped with push-out type emergency exit side windows of similar design to the standard side windows, except for the following:
1. The emergency window assemblies must be hinged on the forward side.
2. No emergency window may be placed next to any child safety seat.
3. Emergency windows must be installed in the following quantity on non-lift buses:
   a. 0 to 40 capacity  1 window per side
   b. 41 to 72 capacity  2 windows per side
   c. 73 to 90 capacity  3 windows per side

Buses 35 capacity and smaller must be equipped with one roof hatch emergency exit/ventilator. Buses over 35 capacity must be equipped with two roof hatch emergency exit/ventilators. Specifications for roof hatches must be as follows (also see GENERAL INFORMATION AND WARRANTY PROVISIONS):
1. Hinge(s) must be located on forward and rearward side of hatch.
2. The design must provide a “partially open” position along the full width of the hatch, adequate to allow air to enter or exit and, thereby, ventilate the bus by opening either the front or rear of the hatch. The hatch must allow for partial opening on any of its four sides and on all four sides simultaneously.

Buses equipped with a lift are not required to be equipped with push-out emergency exit windows unless mandated by FMVSS No. 217. Lift buses may be equipped with push-out type emergency exit windows based on the capacity of a comparably sized non-lift bus.

**EMERGENCY ROADSIDE REFLECTORS:**
There must be three reflector warning devices, meeting the requirements of FMVSS No. 125, mounted in a location accessible to driver in the front section of the bus, and stored in a container. The container must be sealed with a breakable, nonreusable seal.

**FIRE EXTINGUISHER:**
A dry-chemical fire extinguisher with a gauge and designed to restrain tampering must be mounted in a place accessible to the driver, preferably near the service door.

The fire extinguisher must bear the label of Underwriters Laboratories, Inc., showing a rating of no less than 2A-10BC.

**FIRST-AID KIT:**
The bus must carry a Grade A, moisture- and dust-proof first-aid kit, mounted in such a manner that it can be easily detached and made portable and in an accessible place in the driver's compartment. The container must be sealed with a breakable, nonreusable seal and the contents must be as follows:

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 inch bandage compress (e.g., Band-Aids)</td>
<td>two packages</td>
</tr>
<tr>
<td>40 inch triangular bandage with two safety pins</td>
<td>one package</td>
</tr>
<tr>
<td>4 x 4 inch sterile gauze pads</td>
<td>two packages of six each</td>
</tr>
<tr>
<td>Rolled curlex bandage each in length</td>
<td>two inches x six yards</td>
</tr>
<tr>
<td>1 inch roll adhesive tape in length</td>
<td>one roll 2 1/2 yards</td>
</tr>
<tr>
<td>Eye dressing packet</td>
<td>two packages</td>
</tr>
</tbody>
</table>

**FLOOR AND FLOOR COVERING:**

1. The floor must be level from front to back and from side to side except for the wheel housings, the toe board and the driver's seat platform.
2. All sills must be permanently attached to the floor.
3. The driver's compartment plate on conventional bodies must be removable, installed level with the bus floor. All components requiring servicing must be readily accessible. Openings in the bus floor to meet this requirement must be reinforced to maintain the full strength of the unpunctured floor.

**NOTE:** Items 1-3 above, do not apply to Type A Buses less than 14,500 GVWR. For Type A buses less than 14,500 GVWR, the floor must provide adequate and firm support for seat legs and must have a minimum 1/2 inch marine grade or pressure-treated plywood, securely mounted to the floor. Basic floor construction of Type A buses must be the manufacturer’s standard, meeting applicable FMVSS.

4. The floor covering must be resistant to ultraviolet light, ozone and moisture and have a minimum tensile strength of 1,200 pounds per square inch (psi) and a minimum elongation of 100 percent. Floor covering must be abrasion-resistant and slip-resistant and have a minimum coefficient of friction of 0.85 as measured under ASTM D1894 or 0.65 as measured under ASTM D2047.
5. The floor covering from the top step landing area to the emergency door (or rear seat on Type D rear engine buses) must be ribbed aisle, non-skid and wear-resistant, fire-resistant elastomer. Elastomer floor covering must meet Federal Specification ZZ-M-71d.
6. The landing area at the top of the steps must be ribbed elastomer, which must extend to the ribbed aisle floor cover. The leading horizontal edge, or nosing, must be white or yellow ribbed elastomer or other contrasting color and must have an integral 90 degree turn-down with a square leading edge matching the step treads.

7. All joints or seams in the floor covering must be covered with non-ferrous metal, minimum 1 inch wide, and the driver's compartment, except at the cowl, must have a special, approved molding. Alternate materials may be used if they provide equivalent durability. The molding must be securely attached to prevent a tripping hazard.

8. Manufacturers may use seamless one-piece floor rubber with an integral ribbed aisle meeting the requirements in 4 and 5. Aisle molding is not required when the bus is equipped with one-piece floor rubber.

9. All holes in the chassis firewall and around the transmission cover and engine housing must be adequately sealed.

10. A commercially available truck bed liner material meeting the requirements in 4 and 5 may be substituted for the required flooring material.

**FUEL FILLER OPENING:**
An opening of adequate size and design must be provided over fuel filler. Also see LETTERING AND TRIM.

**GRAB HANDLE AT ENTRANCE:**
A suitable grab handle or rail must be provided at the front entrance, securely mounted inside of the body. Grab handles must be made of round stainless steel, 1 inch outside diameter (OD). The grab handle and mounting must be designed to minimize the possibility of students' clothing or personal items becoming lodged or caught upon exiting the bus, in order to reduce the risk of injury or fatality to passengers from being dragged outside the bus.

**INSULATION AND SEALING OF JOINTS:**
The overlap of the edge of the exterior roof and side panels, and also the top edge of rub rails, must be sealed to prevent moisture, dust and other contaminants from entering the joints and the bus.

**LETTERING AND TRIM:**
Trim on the three rub rails below the beltline and all lettering must be black (except for stop signs). Entrance door frames, pilaster panels and other trim panels may be painted black if approved by the department. The letters of the words “SCHOOL BUS” on the top front and rear section of the bus body must be 8 inches high and correspond to the Series B, Standard Alphabet (see the National School Transportation Specifications and Procedures, Revised 2015). “(Name of District) DISTRICT SCHOOLS,” on each side of the bus body at the beltline must be in 6 inch minimum letters. Private and charter schools may alternately affix the name of the school in the aforementioned format and location. Bus numbers must be in 6 inch minimum height and on each side and on the front bumper and rear of the bus body. “EMERGENCY DOOR” must be in 2 inch letters at the top or directly above the door, visible inside and outside of bus. Lettering to indicate the fuel type must be located on the body adjacent to the fuel filler opening using minimum 1 inch letters. The words “STOP WHEN RED LIGHTS FLASH” must be displayed on the back of all buses in 6 inch black letters. Also, see the lettering requirements for emergency exits, including roof hatches and push-out windows, under EMERGENCY EXITS. Districts may add an American flag decal to the exterior of the bus. If used, it must be no more than 6 x 10 inches and be located in front of the district name on the beltline of the bus. Also see United States Public Law 4USC7.

The front stop signal arm (both sides of arm) and rear stop arm (rear side only) must have a red background with a reflectorized white border; the letters “STOP” must be in 6 inch white reflectorized letters. Both sides of the front stop arm and the rear side of the rear stop arm must have reflectorized red sheeting of high-intensity material. The front side of the rear stop arm must be painted red.

**NOTE:** Buses must include the lettering and trim specified above, and are limited to lettering, trim, symbols, markings, and coloration specified in the National School Transportation Specifications and Procedures, Revised 2015.
**LICENSE HOLDER:**
A license holder must be included on the left rear outside of the body, with a suitable method for mounting the license tag.

**LOCKUP DEVICES:**
Any emergency door equipped with a locking device must have an ignition interlock that prevents starting the engine when the door is locked, meeting requirements of FMVSS No. 217. Emergency exit windows must not be operable (under normal conditions) from outside the bus and must not be equipped with any locking device.

**MIRROR SYSTEM:**
1. **Interior Mirror:** Must provide adequate viewing of the entire length and width of the interior of the bus and be at least 6 x 30 inches. The mirror must meet the following requirements:
   a. Meet or exceed American National Standards Institutes (ANSI) Z97.1 requirements for safety glazing in mobile environments and be bonded to the mirror housing.
   b. Include a heavy-duty, single-piece mounting bracket that ensures stability.
   c. Housing must be low-gloss black.
   d. Incorporate a single knob (thumbwheel) adjustment to allow the driver to reposition the mirror without the use of tools.
   e. Have a soft gasket type frame that is bonded to the housing.

   **NOTE:** Interior mirror on Type A buses must be a minimum of 50 square inches and meet the above requirements.

2. **Exterior Mirrors:**
   Each school bus must be equipped with a system of exterior mirrors complying with FMVSS No. 111 and meeting the following requirements:
   a. **Cross/Side-View Mirror System:** This mirror system must incorporate the following features and requirements:
      i. Only one mirror is to be installed at each front corner of the bus.
      ii. Mirrors must not reflect excessive glare from the bus headlights or the sun into the driver's eyes. Mirrors must be a 1/4 sphere or shaded 1/2 sphere design.
      iii. Stainless steel or non-corrosive fasteners must be used in the construction of the mirror assembly and to hold the brackets to the body.
      iv. Mirror stabilizer brackets on all Type C composite hoods must use through-the-fender rubber or nylon mounts with stainless steel caps to reduce mirror vibration and erosion of the hood material.
     v. All exterior mirror fasteners, mounts and bracketry must be of non-corrosive material.
   b. **Rear Vision Mirror System:** A rear vision mirror system must be provided that incorporates the following features and requirements:
      i. The system must consist of one flat and one convex mirror lens per side. Each mirror set must be mounted on a single breakaway arm with a positive detent or lock.
      ii. Each of the four required mirrors in the rear vision mirror system must be electrically operated and remotely controlled from the driver’s location.
      iii. All exterior mirror fasteners, mounts and bracketry must be stainless steel. Stainless steel or non-corrosive fasteners must be used in the construction of the mirror assembly and to hold the brackets to the body.
   c. **Overall exterior mirror system:** (cross/side-view and rear vision mirrors) must be isolated from vibration and be compliant with FMVSS No. 111.

**NOISE REDUCTION PACKAGE:**
A noise reduction package is required and must include full insulation of the ceiling, walls, and front and rear of the bus, including body bows and engine compartment, plus minimum 1/2 inch marine grade or pressure-treated plywood.
or equivalent composite material securely mounted to the floor. Insulation material must be fire-resistant and of a type that will not harbor dampness.

**PAINT AND FINISH:**
All National School Bus Yellow paint must meet the National School Transportation Specifications and Procedures, Revised 2015 for color and have a finished gloss rating of at least 85 at 60°F and a distinctness of image (DOI) rating of an average of at least 50, measured using the same method specified for gloss under **GENERAL INFORMATION AND WARRANTY PROVISIONS**. Paint must be applied for a total dry thickness of at least 1.8 mils over all painted surfaces. School bus roofs must be painted white in color, and must meet the gloss and DOI ratings. White paint may extend to the leading and trailing edge of the roof caps, and may extend down to the drip rails. Trim, lettering and bumpers must be black except that bumpers must be striped in accordance with National School Transportation Specifications and Procedures, Revised 2015 or these specifications. Also see **GENERAL INFORMATION AND WARRANTY PROVISIONS** for warranty requirements, **LETTERING AND TRIM** and **REFLECTIVE MARKINGS**.

**PANELING, INTERIOR:**
Interior panel fastenings must minimize vibrations and rumble. A cove molding, which may be an extension of the body panels, must be installed covering the wall-to-floor joint beginning at the windshield post on the left side of the bus and extending along the walls around the corners to the service door on the right side. Molding must be securely fastened so that dirt will not readily work under it. The interior paneled area immediately below the window line must be aluminum-coated steel.

**REFLECTIVE MARKING PACKAGE:**
There must be installed a reflective marking package as specified in the National School Transportation Specifications and Procedures, Revised 2015. Striping must be installed longitudinally the length of the body at the vertical location immediately below the seat level rub rails but high enough so as to clear wheel wells, whenever possible. Short breaks in the striping at rivet locations are acceptable. Reflective markings are also required for all emergency exits, as specified in FMVSS No. 217.

**RUB RAILS:**
1. There must be a rub rail on each side of the bus approximately at seat level, which must extend from the entrance door post around the bus body (except for emergency door) to the point of curvature near the cowl on the left side.
2. There must be rub rails located approximately at the floor line and the bottom of the outer skirt, which must cover the same longitudinal area as the upper rub rail, except at wheel housings, but extend only to the right and left corners.
3. Rub rails must be applied outside of body panels. Pressed-in or snap-in rub rails do not satisfy this requirement.

**SEATING, MODESTY PANELS (RESTRAINING BARRIERS), LAP BELTS, AND WEBBING CUTTERS:**
1. Passenger seats must be mounted facing forward and provide a minimum of 12.8 inches of seat width per passenger seating position. The aisle must be 12 inches wide at a minimum. This plan of body seating must be used to determine seating capacity (see **BODY DATA PLATE**).
2. Seat spacing must meet the requirements of FMVSS No. 222. The first seat on each side of all types A, C and D buses must be equipped with FMVSS No. 225-compliant child safety seat anchorage points. All 39 inch FMVSS No. 225-compliant passenger seats must be equipped with two sets of anchorage points per bench seat. All passenger seats compliant with FMVSS No. 225 with a seat width of less than 36 inches must be equipped with one set of anchorage points per bench seat.
3. All passenger seats compliant with FMVSS No. 225 must be spaced to provide the maximum knee room (seat spacing) permitted by FMVSS No. 222. The rest of the passenger seats must provide for a minimum of 24 inches of knee room.
4. Seat padding must be secured to the frame so that it will not snag. Screws and bolts used in seat back construction must not be exposed.
5. Restraining barriers and passenger seats, including the seat back and the entire bottom cushion (including underside), must be covered with vinyl-coated material. All passenger seat assemblies and barriers must meet the requirements of the National School Transportation Specifications and Procedures, Revised 2015.
School Bus Seat Upholstery Fire Block Test. Upholstery material for all passenger seats and barriers must meet the following color standard +/- four delta E:

<table>
<thead>
<tr>
<th></th>
<th>III/ob</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
<th>x</th>
<th>y</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>D65 Daylight</td>
<td>7.21</td>
<td>7.92</td>
<td>12.52</td>
<td>2606</td>
<td>2963</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>7.51</td>
<td>7.30</td>
<td>4.07</td>
<td>3978</td>
<td>3865</td>
</tr>
<tr>
<td>3</td>
<td>Rom Light</td>
<td>7.33</td>
<td>7.37</td>
<td>8.15</td>
<td>3207</td>
<td>3226</td>
</tr>
</tbody>
</table>

6. Buses must have an FMVSS-compliant padded restraining barrier in front of the forward-most passenger seat on each side of the bus. Also see Section V for restraining barrier requirements for buses equipped with wheelchair lifts. Restraining barriers at the entrance side and the driver's side must have a full-width, aluminized steel panel below the padded section extending down to the floor, except as specified under heater/defroster specifications (see ELECTRICAL EQUIPMENT AND WIRING).

7. All Type A school buses sold through the State of Florida school bus bid must be equipped with Type II, three-point seat belts in all passenger seating positions. These belt systems must meet the requirements of National School Transportation Specifications and Procedures, Revised 2015.

8. All types C and D buses must be equipped with lap belts in all passenger seating positions, meeting the following requirements:
   a. All belts and anchorages must comply with FMVSS Nos. 209 and 210.
   b. Belts must be manufacturer's standard style lap belts. The nonadjustable buckle end of each belt must be the aisle-side connection point on each passenger seat.
   c. Each two-part belt must be separately color-coded to aid in proper connection.
   d. Any belt system with parts that can be manually disassembled without the use of tools and any system that is subject to easy vandalism shall not be approved for use in Florida school buses.
   e. Retractable seat belts are permissible at the purchaser’s option. If this system is specified, the retractors must be emergency locking type, and the retractors must be mounted below the seat bight. Seat bight is defined as the area close to and including the intersection of the surfaces of the vehicle seat cushion and the seat back.
   f. All federal requirements supersede any of these requirements.
   g. School districts may install restraining systems that differ from these requirements as necessary to accommodate pre-school age children and children with special needs. Such systems must comply with FMVSS Nos. 209, 210 and 213, as applicable, and must be approved by the body manufacturer.

9. All buses must also be equipped with a durable webbing cutter having a full width handgrip and a protected, replaceable blade. The required belt cutter must be mounted in a location accessible to the driver in the seated position and be easily detachable.

**SERVICE DOOR:**

1. The service door must be a split or jackknife type located at the right front of the bus. Doors must be securely hinged with approved heavy-duty hinges with a brass or rust-resistant rod adequately fastened to the adjoined member. Doors must have a 1 1/2 inch minimum safety gap sealed with a safety flap of approved quality. The door must extend to the bottom step and be fitted with suitable weather strip to keep water from entering the step well.

2. An air-operated entrance door must be provided on all buses equipped with air brakes. This system must have a manually operated override to enable the driver to manually open the door in the event of loss of power. Air-powered entrance doors must operate in accordance with the following table:

<table>
<thead>
<tr>
<th>Ignition Switch Position</th>
<th>Door Switch Position</th>
<th>Emergency Dump Switch Position</th>
<th>Door Position Status</th>
<th>Step Well Light Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>Any</td>
<td>On</td>
<td>Neutral</td>
<td>Off</td>
</tr>
<tr>
<td>Off</td>
<td>Any</td>
<td>Off</td>
<td>Neutral</td>
<td>Off</td>
</tr>
<tr>
<td>On</td>
<td>Closed</td>
<td>Off</td>
<td>Closed/Active</td>
<td>Off</td>
</tr>
<tr>
<td>On</td>
<td>Opened</td>
<td>Off</td>
<td>Open/Active</td>
<td>On</td>
</tr>
<tr>
<td>On</td>
<td>Closed</td>
<td>On</td>
<td>Neutral</td>
<td>Off</td>
</tr>
<tr>
<td>On</td>
<td>Opened</td>
<td>On</td>
<td>Neutral</td>
<td>On</td>
</tr>
</tbody>
</table>
3. When the key switch is in the “off” position, the air door system must not create a battery draw. All air-powered door systems must provide a rebuildable air cylinder and must operate reliably in all weather and temperature conditions. All air-powered door systems must include a method of manually adjusting the opening and closing speed and force of the doors.

4. Hydraulic brake buses must have an electrically controlled entrance door.

5. The service door must have a minimum horizontal opening of 24 inches and a minimum vertical opening of 68 inches. Immediately above the door opening there must be secured to the body panel a high-density foam rubber pad, a minimum of 3 inches in width, or an approved equal safety cushion.

6. Doors must be designed and weather strips mounted so that there is no binding or tendency for stripping to dislodge during door operation. One or two glassed-in openings must be provided in each door half with glass of same grade as specified for side windows and mounted in rubber. The bottom of the lower glass panel must not be more than 30 inches from the ground when the bus is unloaded. The top of the upper glass panel must not be more than 6 inches from the top of the door.

SIZES OF BODIES:
The height of types C and D bus bodies, from the top of the finished floor to the underside of the ceiling, at the center of the body, must be a minimum of 76 inches.

STEP WELL:
A step well of at least three steps must be built in the right front assembly, enclosed with doors extending to the bottom step. Each step must be covered with abrasion-resistant “Pebble-Top” elastomer, the base of which must be at least 3/16 inches thick, with an overall thickness of 5/16 inch bonded to a durable polymer base and otherwise constructed to provide substantial support, including the leading horizontal edge, which must be “Pebble-Top” type, and white or a color that contrasts with the step tread by at least 70 percent. The polymer backing must have an integral 90-degree turn down with a square leading edge for slip resistance. The lower (first) step height must be between 10 and 16 inches above the ground for all types A, C and D buses. Each step must be the full width of the step well at the point where the step is located. Half steps or partial steps are not acceptable.

NOTE: Two steps are acceptable on Type A buses.

STRUCTURAL DESIGN and TESTING:
1. All types A, C and D bodies must meet the requirements of FMVSS No. 221 and the requirements of the National School Transportation Specifications and Procedures, Revised 2015 Side Intrusion Test.

2. Each manufacturer of types A, C or D bodies must certify that representative configurations of its buses produced to meet these specifications comply with the testing and requirements of the Colorado Racking Load Test. See Colorado Racking Load Test in Appendix B.

3. Each manufacturer of types A, C or D bodies must certify that representative configurations of its buses produced to meet these specifications comply with the testing and requirements of the Kentucky Pole Test. See Kentucky Pole Test in Appendix C.

4. All bus bodies must be constructed to be in square and level. There must be no more than 1 inch of difference from side to side at the front and rear of the bus body (not counting any chassis lean or twist). All bodies must be mounted such that all designed body contact points are in contact with the chassis frame. All bodies must be centered on the chassis within plus or minus 1/2 inch.

SUN SHIELD:
A dual sun shield system must be provided, consisting of two independently mounted sun shields. One must be mounted above the windshield and the other above the driver’s window. Each visor must have a tinted Plexiglas sun shield, minimum 6 x 24 inches, and have rounded bull-nosed perimeter edges.

NOTE: The manufacturer’s standard sun visor is acceptable on Type A buses.
VANDAL BOX, SIDE MOUNTED
There must be installed on all types C and D buses an equipment compartment on the ceiling above the driver’s side window, measuring approximately 1,600 cubic inches. The compartment must have a door with a positive latch and a keyed-alike lock. No safety equipment shall be mounted inside this compartment.

WINDOWS:
1. All types A, C and D buses must have tinted glass that provides the maximum tinting allowed by federal and American National Standards Institute (ANSI) standards for the windshield, the driver's side window(s) and the service door glass. Tinted glass in all windows rear of the driver's compartment must have a light transmission of approximately 28 percent.
2. An adjustable split sash window with safety glass must be mounted in the side of the bus body between each framing post. Permanent marks showing the grade of glass must be visible.
3. Movable windows must be controlled by an approved lock having a finger-touch opener, providing for ease of operation and with no sharp projections. Window latches must be replaceable or rebuildable without disassembling the complete window frame or removing the window from the body. In addition, individual window latches or repair parts must be available and part numbers included in the required body parts catalog. Window seals and visors or drip molding must be installed and provide ample protection from leakage.
4. For ventilation, the driver's window must be adjustable and equipped with a positive latch that can be secured from the inside of bus.
5. There must be installed in the rear door two windows, one upper and one lower, installed in a waterproof manner.
6. Rear side windows located at each side of the emergency door must be installed in a waterproof manner. Glass area must be large enough to provide desirable vision to the rear and must be of the same quality and grade as side windows.

WINDSHIELD:
The front body section in the area of the windshield must provide for corner vision. Glass must be laminated safety polished plate with dark tint at top, installed in a waterproof manner and slanted to reduce glare. Glass must meet current SAE specifications and FMVSS. Light tint may be used in all Type D buses in lieu of dark tint at the top.

WINDSHIELD STEPS AND HANDLES:
A step and appropriate grab handle must be installed on each front corner of the body to facilitate cleaning the windshield. The handle must be stainless steel, chrome plated or non-ferrous metal, or may be made of non-metallic material of sufficient structural and mounting strength and resistant to weathering and deterioration, and must provide for secure mounting and adequate hand hold.

NOTE: Steps and handles are not required on Type A buses under 21,500 GVWR.

WINDSHIELD WIPERS AND WASHERS:
1. Electric windshield wipers must be standard on all buses. All wipers by design and installation must provide desirable vision for drivers. Blades and arms must be of sufficient length to clear the windshield glass in the driver's direct view. One switch must control both wipers, and the switch must be located within easy reach from driver's seat, preferably on the turn signal stalk. The system must incorporate a variable delay wipe feature to allow drivers to adjust the speed and frequency of the wipers. The wiper system must be designed to move the blades away from the driver’s direct view when in the parked position.
2. Windshield washers must be electrically operated. The washer reservoir must be made of hard plastic or other approved material and have a capacity of at least 1/2 gallon. Flexible plastic bags are not acceptable.

NOTE: The manufacturer’s standard windshield wipers are acceptable on Type A buses.
SCHOOL BUS BODY EXCEPTIONS

TYPE D FRONT ENGINE BODY EXCEPTIONS:
1. The distance between the restraining barrier at the rear of the entrance step well and the engine cover must be a minimum of 13 inches.
2. A step, in lieu of stirrup steps, is permitted in or on the front bumper on both sides.
3. The engine cover must provide an adequate seal to the bus floor area to keep engine fumes from entering the passenger compartment and must be insulated to retard transfer of heat and engine noise. The engine cover must be hinged and equipped with a prop rod or other device so that it can be held securely in the fully open position to allow access to the engine.

TYPE D REAR ENGINE BODY EXCEPTIONS:
1. The engine compartment must be constructed to permit servicing of the engine, having one or two doors opening at the rear and louvered, with removable panels on each side of engine compartment. The engine compartment must be sealed at top and front to retard heat transfer and prevent engine fumes from entering the passenger compartment. Provisions must be made for easy removal of the engine through the rear compartment.
2. Mud flaps must be installed at the rear of the dual wheels.
3. A step, in lieu of stirrup steps, is permitted in or on the front bumper on both sides.
4. Type D Rear Engine buses are exempted from the requirement for an additional electrical compartment for air conditioner circuitry, provided the air conditioner control boards are installed in the rear package shelf area in a covered box.
5. There must be an engine access panel underneath the rear seat of all rear engine buses designed to provide access to the engine.
OPTIONAL BODY
EQUIPMENT SPECIFICATIONS

AUTOMATIC VEHICLE LOCATION AND STUDENT TRACKING SYSTEM:
There shall be an approved option for a system that uses the Global Positioning System (GPS) to determine and wirelessly report the location of the bus in approximately real time. The system may also include an additional feature that will identify individual students as they board or disembark from the bus and report the locations and times.

AUXILIARY DRIVER FAN:
There shall be an approved option for a 6 inch or header-mounted squirrel cage fan to be installed and mounted to the left side of the windshield, when possible, in a location approved by the department.

BAGGAGE COMPARTMENTS:
There shall be an approved option for baggage compartments on all bodies when available. This body option must include a lock and be keyed alike with any other body option requiring use of a key.

BATTERY DISCONNECT SWITCH LABELING:
There shall be an approved option for a label to be placed on the exterior of the bus on the cover of the compartment housing the battery disconnect switch. The label background must be white with red one-inch letters with the wording “MAIN BATTERY DISCONNECT.”

BUS LOCKUP SYSTEM:
There shall be an approved option whereby a bus can be locked at the emergency door as well as the entrance door. An ignition interlock is required for the emergency door to prevent starting the bus if the emergency door or rear window (on RE units) is locked. This body option must be keyed alike with any other body option requiring use of a key.

CEILING PANELS:
There shall be an option for full width perforated interior ceiling panels extending from the rear header panel forward to at least the front of the engine compartment.

DRIVER’S SEAT WITH INTEGRATED SEAT BELT:
There shall be an approved option for a driver’s seat with a seat belt integrated into the seat back, meeting the requirements of DRIVER’S SEAT AND SEAT BELT in this section.

EXTERIOR LIGHT MONITOR:
A system of monitoring exterior lights on the front and rear of the bus from the driver’s seated position is approved as an option. Such systems must include:
1. Student Warning Lamps, both RED and AMBER, front and rear
2. Tail Lamps
3. Backup Lamps
4. Rear Turn Signal Lamps
5. Stop Lamps
A system that monitors only electrical circuits and does not indicate whether the bulb is operational is not acceptable.

FUEL SUPPLY LOCK:
A lock with two keys may be installed in the fuel supply service door of the body skirt. This body option must be keyed alike with any other body option requiring use of a key.
INFANT SEATING:
There shall be an approved option for passenger seating designed to safely transport newborns, infants or toddlers, meeting all applicable FMVSS. Such seats may include, C.E. White Child Restraint Seats and other systems as approved by the department.

INTERIOR OVERHEAD STORAGE COMPARTMENTS (MFSAB ONLY):
There shall be an approved option for interior overhead storage compartments that meet the following criteria:

1. Head protection requirements of FMVSS No. 222, School Bus Passenger Seating and Crash Protection, where applicable;
2. Be completely enclosed and equipped with latching door (both door and latch sufficient to withstand a pushing force of 50 pounds applied at the inside center of the door);
3. Have all corners and edges rounded, with a minimum radius of one inch, or be padded equivalent to door header padding;
4. Be attached to the bus sufficiently to withstand a force equal to 20 times the maximum rated capacity of the compartment; and
5. Have no protrusions greater than 1/4 inch.

The driver’s area forward of the foremost padded barriers will permit the mounting of required safety equipment and vehicle operation equipment.

POWDER-COATED WINDOW FRAMES:
There shall be an approved option for electrostatically powder-coated black window frames on all types of buses to reduce friction and improve ease of operation of passenger side windows.

PUBLIC ADDRESS SYSTEM (P.A.), RADIO:
There shall be an approved option for a public address system/AM/FM stereo radio with four speakers inside the bus and one heavy-duty weatherproof P.A. speaker outside the bus. This option must have controls to permit the driver to select inside or outside speakers, mounted in the driver’s compartment so that all controls are readily accessible to the driver from the normal seated position. Interior speakers must be flush-mounted. Outside speaker must be mounted under the hood or in another protected location at the front of the bus. An AM/FM stereo radio with four speakers may be offered separately. No internal speakers other than those used for the driver’s communication system may be installed within four feet of the back of the driver’s seat when the seat is in its rearmost upright position.

REAR HEATER:
There shall be an approved option for an additional heater mounted to provide heat in the rear of the body. This option must be installed under a passenger seat or must otherwise be protected to eliminate damage to the unit and injury to the students.

RED LIGHT ABOVE EMERGENCY DOOR:
There shall be an approved option for a small red light to be mounted above the emergency door on the interior of the bus that is activated when the clearance lights are on.

THREE-POINT SEAT BELTS AND THREE-POINT SEAT BELT SEATS:
There shall be an approved option for three-point seat belts in two and three passenger three-point seat belt seats, as approved by the department.
SECTION IV
INTRODUCTION AND GENERAL REQUIREMENTS FOR EXCEPTIONAL CHILD BUSES:
Exceptional child bus body structure and equipment must conform to the regular bus body specifications in Section III and must meet the additional requirements of this section. All school buses equipped with wheelchair lifts must meet or exceed the requirements of FMVSS Nos. 403 and 404, the National School Transportation Specifications and Procedures, Revised 2015 and all requirements listed herein, which prevail in the event of a conflict.

DEFINITION:
An exceptional child bus is any school bus that is designed, equipped and/or modified to accommodate students with special transportation needs requiring a power lift.

GENERAL REQUIREMENTS:
Exceptional Child specially equipped school buses shall comply with the National School Transportation Specifications and Procedures, Revised 2015 and with the FMVSS applicable to their GVWR category.

Any school bus to be used for the transportation of children who use a wheelchair or other mobile positioning device, or who require life-support equipment that prohibits use of the regular service entrance, shall be equipped with a power lift.

AISLES:
All school buses equipped with a power lift shall provide a minimum 30-inch pathway leading from any wheelchair position to at least one 30-inch wide emergency exit door. A wheelchair securement position shall never be located directly in front of (blocking) a power lift door location.

GLAZING:
Tinted glazing may be installed in all doors, windows and windshields consistent with federal, state and local regulations.

IDENTIFICATION:
Exceptional child specially equipped school buses shall display the International Symbol of Accessibility below the window line pursuant to appendix A-1 and A-2. Such emblems shall be white on blue background, shall not exceed 12 inches square in size and shall be of a high-intensity retroreflective material.

PASSENGER CAPACITY RATING:
In determining the capacity of a school bus for purposes other than actual passenger load (e.g., vehicle classification or various billing/reimbursement models), any location in a school bus intended for securement of a wheelchair during vehicle operation shall be regarded as four designated seating positions, and each lift area shall count as four designated seating positions.

POWER LIFTS:
1. The power lift shall be located on the right side of the bus body only.
2. Vehicle lifts and installations shall comply with the requirements set forth in:
   a. FMVSS No. 403, Platform Lift Systems for Motor Vehicles; and
   b. FMVSS No. 404, Platform Lift Installations in Motor Vehicles.
3. Design loads: The design load of the lift shall be at least 800 pounds. Working parts, such as cables, pulleys and shafts, which can be expected to wear, and upon which the lift depends for support of the load, shall have a safety factor of at least six, based on the ultimate strength of the material. Non-working parts, such as
platform, frame and attachment hardware that would not be expected to wear, shall have a safety factor of at least three, based on the ultimate strength of the material.

4. Lift capacity: The lifting mechanism and platform shall be capable of operating effectively with a wheelchair and occupant mass of at least 800 pounds.

5. Documentation: The following information shall be provided with each vehicle equipped with a lift:

6. A phone number where information can be obtained about installation, repair and parts. (Detailed written instructions and a parts list shall be available upon request.)

7. Detailed instructions regarding use of the lift shall be readily visible when the lift door is open, including a diagram showing the proper placement and positioning of wheelchair/mobility aids on the lift.

8. Training materials: The lift manufacturer shall make training materials available to ensure the proper use and maintenance of the lift. These may include instructional videos, classroom curriculum, system test results or other related materials.

9. Identification and certification: Each lift shall be permanently and legibly marked or shall incorporate a non-removable label or tag that states it conforms to all applicable requirements of the current National School Transportation Specifications and Procedures. In addition, and upon request of the original titled purchaser, the lift manufacturer or an authorized representative shall provide a notarized Certificate of Conformance, either original or photocopied, which states that the lift system meets all the applicable requirements of the current National School Transportation Specifications and Procedures.

REGULAR SERVICE ENTRANCE:

1. On power lift-equipped vehicles, steps shall be the full width of the step well, excluding the thickness of the doors in the open position.

2. In addition to the handrail required in section III, an additional handrail is required on all specially equipped school buses. This handrail shall be located on the opposite side of the entrance door from the handrail required in section III and shall meet the same requirements for handrails.

RESTRAINING DEVICES:

1. On power lift-equipped school buses with a GVWR of 10,000 pounds or more, seat frames may be equipped with attachment points to which belt assemblies can be attached for use with child safety restraint systems (CSRSs) that comply with FMVSS No. 213, Child Restraint Systems.

2. Any belt assembly anchorage shall comply with FMVSS No. 210, Seat Belt Assembly Anchorages.

3. Alternatively, a child restraint anchorage system that complies with FMVSS No. 225, Child Restraint Anchorage Systems, may be installed.

4. Seat belt assemblies shall conform to FMVSS No. 209, Seat Belt Assemblies.

5. Child safety restraint systems, which are used to facilitate the transportation of children who in other modes of transportation would be required to use a child, infant or booster seat, shall conform to FMVSS No. 213.

SEATING ARRANGEMENTS:

1. Flexibility in seat spacing to accommodate special devices shall be permitted to meet passenger requirements.

2. All seating shall meet the requirements of FMVSS No. 222, School Bus Passenger Seating and Crash Protection.

SECUREMENT AND RESTRAINT SYSTEM FOR WHEELCHAIRS AND WHEELCHAIR-SEATED OCCUPANTS:

1. For purposes of understanding the various aspects and components of this section, the terms securement, tie down, securement system, and tie down system are used exclusively in reference to the devices that anchor the wheelchair to the vehicle.

2. The terms restraint and restraint system are used exclusively in reference to the equipment that is intended to limit the movement of the wheelchair occupant in a crash or sudden maneuver.

3. The term wheelchair tie down and occupant restraint system (WTORS) is used to refer to the total system that secures the wheelchair and restraints the wheelchair occupant.
WHEELCHAIR TIE DOWNS OCCUPANT RESTRAINT SYSTEMS (WTORS)

GENERAL REQUIREMENTS:
1. A WTORS installed in specially equipped school buses shall be designed, installed and operated for use with forward-facing wheelchair-seated passengers and shall comply with all applicable requirements of FMVSS No. 222, School Bus Passenger Seating and Crash Protection, and SAE J2249, WTORS for Use in Motor Vehicles.
2. The WTORS, including the anchorage track, floor plates, pockets or other anchorages, shall be provided by the same manufacturer or shall be certified to be compatible by manufacturers of all equipment/systems used.
3. Wheelchair securement positions shall be located such that wheelchairs and their occupants do not block access to the lift door.
4. A device for storage of the WTORS shall be provided. When the system is not in use, the storage device shall allow for clean storage of the system, shall keep the system securely contained within the passenger compartment, shall provide reasonable protection from vandalism and shall enable the system to be readily accessed for use.
5. The WTORS, including the storage device, shall meet the flammability standards established in FMVSS No. 302, Flammability of Interior Materials.
6. The following information shall be provided with each vehicle equipped with a securement and restraint system:
   a. A phone number where information can be obtained about installation, repair and parts. (Detailed written instructions and a parts list shall be available upon request.)
   b. Detailed instructions regarding use, including a diagram showing the proper placement of the wheelchair/mobility aids and positioning of securement devices and occupant restraints, including correct belt angles.
7. The WTORS manufacturer shall make training materials available to ensure the proper use and maintenance of the WTORS. These may include instructional videos, classroom curriculum, system test results or other related materials.

WHEELCHAIR SECUREMENT/TIE DOWN:
1. Each wheelchair position in an exceptional child bus shall have a minimum clear floor area of 30 inches laterally by 48 inches longitudinally pursuant to FMVSS No. 222, S5.4.1 and S5.4.2.
2. Additional floor area may be required for some wheelchairs. Consultation between the user and the manufacturer is recommended to ensure that adequate area is provided.

OCCUPANT RESTRAINT SYSTEM:
If the upper torso belt anchorage is higher than 44 inches measured from the vehicle floor, an adjustment device, as part of the occupant restraint system, shall be supplied (See FMVSS No. 222, S5.4.3 and S5.4.4.).

SPECIAL LIGHT:
Doorways in which lifts are installed shall be equipped with an LED light that provides a minimum of 20 lumens of illumination on the floor of the bus immediately adjacent to the lift during lift operation.

SPECIAL SERVICE ENTRANCE:
1. Power lift-equipped bodies shall have a special service entrance to accommodate the power lift.
2. The special service entrance and door shall be located on the right side of the bus and shall be designed so as not to obstruct the regular service entrance.
3. The opening may extend below the floor through the bottom of the body skirt.
4. If such an opening is used, reinforcements shall be installed at the front and rear of the floor opening to support the floor and give the same strength as other floor openings. A drip molding shall be installed above the special service entrance to effectively divert water from the entrance.
5. Door posts and headers at the special service entrance shall be reinforced sufficiently to provide support and strength equivalent to the areas of the side of the bus not used for the special service entrance.
SPECIAL SERVICE ENTRANCE DOORS:
1. A single door or double doors may be used for the special service entrance.
2. A single door shall be hinged to the forward side of the entrance unless this would obstruct the regular service entrance. If the door is hinged to the rearward side of the doorway, the door shall use a safety mechanism that will prevent it from swinging open should the primary door latch fail. If double doors are used, the system shall be designed to prevent the door(s) from being blown open by the aerodynamic forces created by the forward motion of the bus, and/or shall incorporate a safety mechanism to provide secondary protection should the primary latching mechanism(s) fail.
3. All doors shall have positive fastening devices to hold them in the “open” position when the special service entrance is in use.
4. All doors shall be weather-sealed.
5. When manually operated dual doors are provided, the rear door shall have at least a one-point fastening device to the header. The forward-mounted door shall have at least three one-point fastening devices. One shall be to the header, one to the floor line of the body, and the other shall be into the rear door. The door and hinge mechanism shall have strength that is greater than, or equivalent to, the strength of the emergency exit door.
6. Door materials, panels and structural components shall have strength equivalent to the conventional service and emergency doors. Color, rub rail extensions, lettering and other exterior features shall match adjacent sections of the body.
7. Each door shall have windows set in a waterproof manner that are visually similar in size and location to adjacent non-door windows. Glazing shall be of the same type and tinting (if applicable) as standard fixed glass in other body locations.
8. Door(s) shall be equipped with a device that will actuate an audible or visible signal located in the driver’s compartment when the door(s) is not securely closed and the ignition is in the “on” position.
9. A switch shall be installed so that the lift mechanism will not operate when the lift platform door(s) is closed.
10. Special service entrance doors shall be equipped with padding at the top edge of the door opening. The padding shall be at least three inches wide and one inch thick and shall extend the full width of the door opening.
11. Power lift LED landing light is required on the exterior of the bus to provide illumination for lift operation.

SUPPORT EQUIPMENT AND ACCESSORIES:
1. In addition to the webbing cutter required in section III, each power lift equipped bus that is set up to accommodate wheelchairs with webbing attached shall contain an additional webbing cutter properly secured in a location to be determined by the purchaser. The webbing cutter shall meet the requirements listed in section III.
2. Special equipment or supplies that are used in the bus for mobility assistance, health support or safety shall meet local, federal and engineering standards that may apply, including requirements for proper identification. Equipment that may be used for these purposes includes, but is not limited to:
   a. Wheelchairs and other mobile seating devices. (See subsection on Securement and Restraint System for Wheelchairs and Wheelchair-seated Occupants.)
   b. Crutches, walkers, canes and other ambulating devices to assist ambulation.
   c. Medical support equipment. This may include respiratory devices, such as oxygen bottles (which should be no larger than 38 cubic feet for compressed gas) or ventilators. Tanks and valves should be located and positioned to protect them from direct sunlight, bus heater vents or other heat sources. Other equipment may include intravenous and fluid drainage apparatus.
3. Each exceptional child bus that is set up to accommodate wheelchairs or other assistive restraint devices should be equipped with an emergency evacuation device that is certified and tested to withstand at least a 300-pound load when used as an emergency stretcher or drag. This evacuation device shall be properly secured to the bus in a location to be determined by the purchaser.
RESTRAINING BARRIERS WITH MODESTY PANELS:

1. There must be a padded restraining barrier with a modesty panel located immediately rearward of the lift if there are wheelchair spaces or regular seating located rearward of the lift and on the same side of the bus.

2. There must be a padded restraining barrier with a modesty panel meeting FMVSS spacing requirements located forward of all passenger seats that do not have another seat properly spaced in front of them.

3. There must be a padded restraining barrier or seat in front of any wheelchair position unless it is contiguous with and behind another wheelchair position.

4. The forwardmost restraining barrier on both sides of the bus must have a full width aluminized modesty panel extending to the floor. If the right front of the passenger area immediately behind the stepwell is not equipped with a restraining barrier due to placement of the wheelchair lift in that location, it must be equipped with a padded stanchion from floor to ceiling with an aluminized modesty panel.
POWER LIFT EQUIPPED SCHOOL BUS
OPTIONAL EQUIPMENT SPECIFICATIONS

STRAIGHT FLOOR / FLAT FLOOR:
1. There shall be an approved option on any size bus, when available, for an unobstructed straight floor design (i.e., no wheel wells and no step-up at the rear of the driver’s compartment). Minimum headroom of types C and D buses equipped with this option must remain 76 inches as per standard body specifications.
2. There shall be an approved option on any size bus, when available, for an unobstructed flat floor design in the passenger compartment. If this option uses a raised floor that is stepped up behind the driver's area, the forward edge of the aisle must have a white stripe and be labeled “Step Up” as viewed upon entering the aisle, and a “Step Down” label must be visible upon exiting the aisle.
3. Minimum headroom of types C and D buses equipped with this option must remain 76 inches as per standard body specifications.
4. The bus must be equipped with 39-inch seats except for locations where lift bus specifications require a 30-inch aisle.

TRACK SEATING:
1. There shall be an approved option for a track-mounted seating system using button track (L track) and a wheelchair securement system meeting Florida Specifications that mounts into the track-seating track.
2. The overhead track for the shoulder harness attachment must be present at every possible wheelchair position.
3. The bus must be equipped with 39-inch seats, except when lift bus specifications require a 30-inch aisle.
4. All floor tracking must be anodized aluminum or other material of equal strength that will resist corrosion in Florida’s environment.
5. This option must include additional options, as follows:
   a. Purchase of individual track seating seats;
   b. Delete a seat, add a wheelchair position with wheelchair tie-downs; and
   c. Delete a wheelchair position (tie-downs), and add a standard seat.
SECTION V
AIR CONDITIONER SPECIFICATIONS

PERFORMANCE SPECIFICATIONS:
The installed air conditioner system must meet the high performance standards as described in National School Transportation Specifications and Procedures, Revised 2015. Performance test reports shall be made available upon request by the purchasing district or the department.

SYSTEM REQUIREMENTS FOR ALL BUSES:

Evaporators and Ducting:
1. Air intake for any evaporator assembly (ies), except for the front evaporator of Type A buses, must be equipped with replaceable air filter(s) accessible without disassembly of evaporator case.
2. No portion of the air conditioner system may block the driver’s view through any window except that vertical covering in the rear corners of the bus interior for hoses and/or wiring may intrude on the rear quarter window by no more than two inches.

Controls, Wiring, Hoses, and Miscellaneous Hardware:
All system operating controls, including on-off switches, blower switches and thermostat controls must be accessible to the driver in a seated position.

Body:
1. All Type C and Type D front-engine buses equipped with air conditioners must also be equipped with a compartment mounted next to the battery box with external access for mounting circuit breakers and control circuitry for the air conditioner.
2. Type D rear-engine buses are exempted from the requirement for an additional electrical compartment for air conditioner circuitry provided the air conditioner control boards are installed in the rear package shelf area in a covered box.

NOTE: Control boards may optionally be mounted inside the bus within the evaporator case or behind the dash on all Type C and Type D buses. Any control boards mounted inside the bus must be easily accessible.

Warranty and Serviceability:
Warranty - Air conditioner compressor applications must be approved in writing by the chassis engine manufacturer, stating that the installation will not void or reduce the engine manufacturer's warranty or extended service coverage liabilities in any way. Also see GENERAL INFORMATION AND WARRANTY PROVISIONS.

Serviceability:
All components requiring periodic servicing must be readily accessible for servicing including, but not limited to, the following:
1. Refrigerant service ports;
2. Sight glasses, which must be directly visible;
3. Any manually resettable circuit breakers;
4. Evaporator air filters – removable and serviceable; and
5. All major component serial numbers must be readily visible.
Parts and Service Manuals:
A comprehensive operator's, maintenance and parts manual(s) must be provided for the entire system, or available via Internet access from the manufacturer’s website for each A/C system purchased. Parts manuals must be designed so that all replaceable parts are illustrated by line drawings and such parts are numbered on the illustration, with a part description on a separate list under the corresponding part number. Part descriptions should be annotated appropriately with the part number, a proper description (part name) and the quantity required for the application listed in the drawings. The service manual or manufacturer’s website must also include an overall A/C system diagram with component plumbing, locations and identities indicated for diagnostic purposes.

Parts and Tools Availability:
1. All system parts and required special service tools must be readily available, and a list of suppliers must be provided to each school district shop purchasing that brand of air conditioner.

2. Suspension Capacity and Ground Clearance - Ground clearance at the lowest point of the air-conditioning system must be no less than the ground clearance of the bus at the step well.

3. Air conditioner system manufacturer must provide information and data, as needed, to assist in establishing chassis engine performance requirements and in determining chassis electrical components or specifications that may be needed to accommodate the additional electrical demands imposed by the air-conditioning system.
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APPENDIX A

MINIMUM LETTERING
AND LIGHTING
REQUIREMENTS
**MINIMUM LETTERING AND LIGHTING REQUIREMENTS:**

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<tbody>
<tr>
<td>A</td>
<td>LED Clearance Lights</td>
<td>L</td>
</tr>
<tr>
<td>BB</td>
<td>Octagonal Stop Arm</td>
<td>M</td>
</tr>
<tr>
<td>C</td>
<td>LED Front Turn Signals, (amber lenses)</td>
<td>N</td>
</tr>
<tr>
<td>F</td>
<td>LED Pupil Warning Lights, Side By Side Amber and Red, Flat Back Design</td>
<td>O</td>
</tr>
<tr>
<td>G</td>
<td>Reflectors</td>
<td>S</td>
</tr>
<tr>
<td>I</td>
<td>Emergency Exit, 2 inch lettering</td>
<td>U</td>
</tr>
<tr>
<td>J</td>
<td>Double-Faced Flashing Red LED Lights</td>
<td>Y</td>
</tr>
<tr>
<td>K</td>
<td>SCHOOL BUS, Front And Rear, 8 inch lettering on retro-reflective yellow background</td>
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**MINIMUM LETTERING AND LIGHTING REQUIREMENTS:**

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<thead>
<tr>
<th>A</th>
<th>LED Clearance Lights</th>
<th>N</th>
<th>Bus Numbers, 6 inch lettering</th>
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<td>Seven-inch LED Brake/Tail Lights</td>
<td>M</td>
<td>Universal Handicapped Symbol, Wheelchair Lift Equipped Buses, minimum 6 inches by 6 inches</td>
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<tr>
<td>C</td>
<td>Seven-inch LED Turn Signals (amber lenses)</td>
<td>O</td>
<td>LED Identification Lamps</td>
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<td>E</td>
<td>Four-inch LED Stop / Tail Lights</td>
<td>P</td>
<td>LED Back-up Lights</td>
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<td>LED Pupil Warning Lights, Side By Side Amber and Red, Flat Back Design</td>
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<td>Reflectors</td>
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<td>LED License Plate Lamp</td>
<td>Y</td>
<td>Rear View Mirror System</td>
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<td>Emergency Exit Signs, 2 inch lettering</td>
<td>Z</td>
<td>Cross/Side View Mirror System</td>
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<td>AA</td>
<td>Roof-mounted White Flashing LED Strobe Light</td>
</tr>
<tr>
<td>L</td>
<td>(Name of District) District Schools (each side, belt line) 6 inch letters</td>
<td>CC</td>
<td>Rear Door Lettering, 6 inch lettering</td>
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APPENDIX B

COLORADO RACKING LOAD TEST
COLORADO RACKING LOAD TEST

The Colorado Racking Test shall be required on or before the acceptance date of the first bus of the respective configuration.

**TEST PROCEDURE:**
In addition to complying with the test procedures described in FMVSS No. 220, the body manufacturers shall record and report the downward vertical movement of the force at 0, 25, 50, 75 and 100 percent of the maximum force (both loading and unloading). The expected force deflection curve is illustrated schematically in Figure 1a. Low load nonlinearities may indicate joint deformation; high load nonlinearities may indicate yielding in structural members.

A second load cycle shall be performed following the procedure given in the first paragraph. The expected force-deflection curve is illustrated schematically in Figure 1b. Any hysteresis following the initial shakedown will be revealed by this second cycle.

![Static Load Test Load-Deflection Curves](image)

**a. First Cycle**

**b. Second Cycle**

Figure 1. Static Load Test Load-Deflection Curves

A diagonal (racking) load test must be performed on types A, B, C and D school buses to assure adequate shear stiffness and strength of the bus body. Details of the test are provided below:

A two-cycle loading sequence shall be conducted following the described procedure.

**a) Requirements:** When a force equal to 1 1/2 times the gross vehicle weight (GVW) is applied to the edge of the roof of the vehicle's body structure through a force application plate, as specified in Test Procedures (b):

1. The diagonal movement of the force at any point on the application plate shall not exceed 5 1/8 inches; and
2. Each emergency exit of the vehicle provided in accordance with FMVSS No. 217 shall be capable of operation as specified in that standard during the full application of the force and after release of the force.

(b) Test Procedures: Each vehicle shall be capable of meeting the requirements of (1) and (2) when tested in accordance with the procedures set forth below.

1. The vehicle shall be supported on a rigid surface along the lower edge of the frame or along the body sills in the absence of a frame.

2. The load shall be applied through a force application plate that is flat and rigid. The dimensions of the plate shall be chosen to assure that the plate edges never make contact with the vehicle skin during testing. A typical width is 18 inches, and a typical length is 20 inches less that the length of the vehicle's roof measured along its longitudinal centerline.

3. Place the force application plate in contact with the edge of the vehicle roof. Orient the plate so that its flat, rigid surface is perpendicular to a diagonal line connecting the most distant points on an interior cross-section of the vehicle. The rear edge of the plate shall be positioned approximately 20 inches from the rear edge of the vehicle roof. A temporary stand may be used to support the plate until a force is applied.

4. Apply an evenly distributed force in a diagonally downward direction through the force application plate at any rate not more than 0.5 inch per second, until a force of 500 pounds has been applied.

5. Apply additional force in a diagonally downward direction through the force application plate at a rate of not more than 0.5 inch per second until the force specified in (a) has been applied, and maintain this application of force.

6. Measure the diagonal movement of any point on the force application plate that occurred during the application of force in accordance with (b)(5), and open the emergency exits as specified in (a)(2).

7. Release all diagonal force applied through the force application plate, and operate the emergency exits as specified in (a)(2).

(c) Test Conditions: The following conditions apply to the requirements specified in (3).

1. Temperature: The ambient temperature is between 32 degrees F and 90 degrees F.

2. Windows and Doors: Vehicle windows, doors, and emergency exits are in the fully-closed position, and latched but not locked.

(d) An alternative method of testing for the racking load test shall be as follows:

The racking load shall be applied along a line connecting the most distant points on a transverse cross-section of the bus interior. It produces a shear distortion of the cross-section, as shown in figure 2.

A representative method of loading that employs a hydraulic jack to load a two-frame test assembly is illustrated in figure 2.
The maximum jack load for the two-frame assembly is determined by the following formula:

\[ J = 2P \]  
\[ J \]  
\[ \text{maximum jack load for two-frame test assembly} \]

\[ P = \frac{\text{load/frame}}{\text{DVW}} \]

where \( P \) = Dynamic Vehicle Weight (DVW) divided by \( N \)

\[ \text{DVW} - \text{dynamic vehicle weight} \]
\[ N - \text{total number of bus body frames} \]

and \( \text{DVW} = \text{DF} \times \text{GVW} \)

\[ \text{DF} - \text{dynamic factor, not less than 1.5} \]
\[ \text{GVW} - \text{gross vehicle weight} \]

Thus, for a \( \text{DF} = 1.5 \), a \( \text{GVW} = 22,000 \text{ pounds-force (lbf)} \) and \( N= 11 \), the dynamic vehicle weight is \( \text{DVW} = 33,000 \text{ lbf} \), the load/frame is \( P = 3000 \text{ lbf} \) and the maximum jack load is \( J = 6000 \text{ lbf} \).

When a complete bus body is rack-loaded, the total load \( \text{DVW} \) must be distributed uniformly along the bus body. This may be accomplished by mounting a series of hydraulic jacks along the length of the bus interior. Seats may be removed to facilitate jack mounting. The rack load will be considered to be uniformly distributed when the variation in the hydraulic jack readings is less than 10 percent. A maximum load is the sum of all jack readings and shall equal \( \text{DVW} \).

![Transverse Cross Section](image1.png)

![Side View](image2.png)

**Figure 2. Arrangement of Hydraulic Jack for Rack-Loading of Two-Frame Assembly**

The test may be performed on a complete bus body or on a representative section composed of at least two complete frames (body posts plus roof bows) and floor. Standard seats may be installed in the test section in a manner identical to that of the full bus body. Fabrication procedures for the test assembly shall be identical to those used in normal bus body production.

A two-cycle loading sequence shall be conducted, with intermediate and final load and deflection readings recorded, according to the procedure described.

The maximum deflection in line with the jack (A, maximum) shall not exceed 4 inches.

Manufacturer shall specify which testing method was used and submit appropriate certification information.
KENTUCKY POLE TEST

The Kentucky Pole Test shall be required on or before the acceptance date of the first bus of the respective configuration.

TEST PROCEDURE:
The body shall be impacted at any point along the roof line on the outside surface, using an 8 inch diameter cylinder, 48 inches long, at a 30 to 45 degree angle, 1 to 3 inches above the top window line. The cylinder shall impact the roofline with the 48 inches dimension in a vertical plane with a force not to exceed 10 inches maximum to 8 inches minimum penetration of the body panels into the passenger compartment after impact.

The manufacturer shall submit appropriate certification information.
December 10, 2019

Mr. Glenn Matthews, President
Matthews Bus Alliance, Inc.
4802 West Colonial Drive
Orlando, Florida 32808

Dear Mr. Matthews:

Based on your October 23, 2019, response to Invitation to Bid (ITB) No. 2020-16, the Florida Department of Education (FDOE) would like to offer your company a contract to furnish Types A, C and D complete school buses, Multi-function School Activity Buses and optional equipment. Attached is a list of the units and prices for each awarded bus configuration.

Please send a performance bond or cashier’s check in the amount of $750,000, made out to “Florida Department of Education and Purchasing School Districts,” guaranteeing performance for units of all types manufactured under this contract to: Office of the Comptroller, Matt Kirkland, 325 West Gaines Street, Suite 914, Tallahassee, Florida 32399-0400.

In addition, please respond in writing accepting this bid and sign and return the original contract form included in the ITB. Assuming receipt of your performance bond and acceptance of this contract, FDOE will process purchase orders received from eligible users of the contract from January 1, 2020, through December 31, 2021.

Should you have any questions, please contact Director of School Transportation, Robert Manspeaker at Robert.Manspeaker@fldoe.org or 850-245-9795.

Sincerely,

Suzanne Pridgeon

Attachment

cc: Mark Eggers, Assistant Deputy Commissioner, Finance and Operations
    Matt Kirkland, Chief Comptroller
    Robert Manspeaker, Director, School Transportation Management
    Janice Brown, Director, Contracts, Grants and Procurement

Suzanne Pridgeon
Deputy Commissioner, Finance and Operations
### ITB 2020-16 AWARDS

**Base Bus Comparison**

#### TYPE A

<table>
<thead>
<tr>
<th>Capacity Type</th>
<th>Chassis</th>
<th>Bidder</th>
<th>Bid School Bus Price</th>
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<tbody>
<tr>
<td>18 Capacity/ GM Chassis</td>
<td>Florida Transportation Systems, Inc.</td>
<td>$63,192</td>
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<td>18 Capacity with Lift/ GM Chassis</td>
<td>Matthews Bus Alliance, Inc.</td>
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<td>Sun State International LLC.</td>
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#### TYPE C

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# ITB 2020-16 AWARDS

## MFSAB Comparison

### TYPE A MFSAB
- **TYPE A: 18 Capacity/ GM**
- **TYPE A: 18 Capacity with Lift/ GM**
- **TYPE A: 27 Capacity**
- **TYPE A: 27 Capacity with Lift**
- **TYPE A: 29 Capacity**
- **TYPE A: 29 Capacity with Lift**

### TYPE C MFSAB
- **TYPE C LIGHT: 29 Capacity**
- **TYPE C: 29 Capacity**
- **TYPE C: 29 Capacity with Lift**
- **TYPE C: 47 Capacity**
- **TYPE C: 65 Capacity**
- **TYPE C: 65 Capacity with Lift**
- **TYPE C: 71 Capacity**
- **TYPE C: 71 Capacity with Lift**
- **TYPE C: 77 Capacity**
- **TYPE C: 77 Capacity with Lift**

### TYPE D MFSAB
- **TYPE D FRONT ENGINE (FE): 71 Capacity**
- **TYPE D FRONT ENGINE (FE): 71 Capacity with Lift**
- **TYPE D FRONT ENGINE (FE): 77 Capacity**
- **TYPE D FRONT ENGINE (FE): 83 Capacity**
- **TYPE D FRONT ENGINE (FE): 83 Capacity with Lift**
- **TYPE D FRONT ENGINE (FE): 89 Capacity**
- **TYPE D FRONT ENGINE (FE): 89 Capacity with Lift**
- **TYPE D REAR ENGINE (RE): 78 Capacity**
- **TYPE D REAR ENGINE (RE): 78 Capacity with Lift**
- **TYPE D REAR ENGINE (RE): 84 Capacity**
- **TYPE D REAR ENGINE (RE): 84 Capacity with Lift**
- **TYPE D REAR ENGINE (RE): 89 Capacity**
- **TYPE D REAR ENGINE (RE): 89 Capacity with Lift**
- **TYPE D REAR ENGINE (RE): 85 Capacity**
- **TYPE D REAR ENGINE (RE): 85 Capacity with Lift**

## Blue Bird

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<td>Type A 18 Capacity/ GM</td>
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<tr>
<td>Type A 18 Capacity with Lift/ GM</td>
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<tr>
<td>Type A 27 Capacity with Lift</td>
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<td>Type A 29 Capacity</td>
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<td>Type A 29 Capacity with Lift</td>
<td>$61,019</td>
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## Thomas

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## IC Bus

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</tr>
<tr>
<td>Type A 29 Capacity with Lift</td>
<td>$61,019</td>
<td>No Bid</td>
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### Includes required type 2 lap/shoulder belts
- *Must add cost for required type 2 lap/shoulder belts for equitable comparison*
ReGina Register  
Florida Department of Education  
Procurement Office  
332 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400

12/11/2019

RE: ITB #2020-16, Acceptance of Bid Award

Dear Ms. Register:

This letter is to acknowledge that we have accepted the bid award for ITB 2020-16 by FLDOE.

The Contract for Type A, Type C and Type D School Buses and Optional Equipment (Attachment 6) has been acknowledged and signed from the original bid contract.

Respectfully submitted,

[Signature]

Glenn Matthews  
President  
Mathews Bus Alliance, Inc.

www.matthewsbusesflorida.com
Contract for Type A, Type C and Type D School Buses and Optional Equipment

THIS CONTRACT FOR TYPE A, TYPE C AND TYPE D SCHOOL BUSES AND OPTIONAL EQUIPMENT, BID NO: ITB 2020-16, by and between the department, 325 West Gaines, Suite 834, Tallahassee, Florida 32399-0400, and

MATTHEWS BUS ALLIANCE, INC.

the contractor, a for-profit corporation registered in Florida, each referred to herein as "Party," and collectively referred to as the "Parties."

WITNESSETH:

WHEREAS, the Department desires to provide eligible users, defined herein, with various Type A, Type C and Type D School Buses and Optional Equipment (defined herein as "Vehicles"), through the use of a state term contract pursuant to rule 60A-1.001, F.A.C.; and section 1006.27, F.S., and

WHEREAS, the Department solicited responses to an Invitation to Bid No: ITB 2020-16 (ITB) to prospective contractors of said Vehicles; and

WHEREAS, the contractor responded to the ITB and desires to provide said Vehicles; and, unto each other;

NOW THEREFORE, in consideration of the premises, terms and conditions set forth herein, the Parties execute this contract so same becomes binding and enforceable by and through the Parties and their assigns, and agree heretofore:

SCOPE OF WORK

The intent of these specifications is to set forth and convey to prospective bidders the general type, character, performance and quality of the Vehicles desired by the Department and school districts. The contractor is authorized to provide Vehicles to any and all eligible users in the State of Florida. The Parties agree that the laws and rules that apply to this contract shall be for those applicable to contracts in excess of Category Two, or $35,000, as defined in chapter 287.017, F.S.

Pursuant to Section 7.10 of Bid No: ITB 2020-16, the following documents are hereby incorporated by reference:

- Department contract
- Any addenda to Bid No: ITB 2020-16
- ITB No: 2020-16
- Award Letter
- Contractor’s response

IN WITNESS WHEREOF, the Parties hereto have caused this contract For Type A, Type C and Type D School Buses and Optional Equipment, Bid No: ITB 2020-16, to be executed on the dates shown below their respective signatures.

DEPARTMENT

_____________________________
Signature

_____________________________
Print Name:

_____________________________
Title:

_____________________________
Date:

CONTRACTOR

_____________________________
Signature

_____________________________
Print name: GLENN MATTHEWS

_____________________________
Title: PRESIDENT

_____________________________
Date: 12-11-2019
Florida Department of Education
Bureau of Contracts, Grants and Procurement Management Services
332 Turlington Building - 325 W. Gaines Street, Tallahassee, FL 32399-0400
(Attn: ReGina Register)

BID Number: ITB 2020-16

Title: Type A, Type C and Type D School Buses & Optional Equipment

Opening Date/Time: October 23, 2019 at 9:15am

Matthews Bus Alliance, Inc.

Address: 4802 West Colonial Drive, Orlando, FL 32808

Contact Person/Title: Glenn Matthews, President

Phone: 800-330-1175    Cell: 407-697-7856    Fax: 407-374-1797

E-mail: gmatthews@matthewsbusesflorida.com
ReGina Register
Florida Department of Education
Procurement Office
332 Turlington Building
325 West Gaines Street
Tallahassee, FL 32399-0400

RE: ITB #2020-16, Cover Letter/Transmittal Letter

Dear Ms. Register:

This letter is to certify that Glenn Matthews is authorized to represent the bidder and bind the bidder relative to all matters contained in the attached proposal.

Matthews Bus Alliance, Inc., (FEID #81-4572887 & DUNS #080643261) is acting as the bidder pursuant to ITB 2020-16. We hereby certify that we have read, understood and agreed to all provisions as stated in the ITB and its addendums.

This letter is to certify that all Type C and D school bus bodies and/or chassis sold or delivered to Florida school districts by Matthews Bus Alliance, Inc., complies with all provisions of ITB 2020-16 and its addendums. Additionally, all products offered pursuant to ITB 2020-16 will meet the Florida School Bus Specifications; Revised 2020, will meet the National School Transportation Specifications and Procedures, Revised 2015, and will meet all Federal Motor Vehicle Safety Standards applicable at the time the vehicle is manufactured.

This letter is to certify that Matthews Bus Alliance, Inc., acting as the bidder pursuant to ITB 2020-16, is authorized to conduct business in the State of Florida and is registered on the MyFloridaMarketPlace website with an active status. There is also a valid electronic copy of our W-9 on file with the Department of Financial Services (DFS).

Matthews Bus Alliance, Inc., while having an OSD Classification of a Non-Minority on the MyFloridaMarketPlace website, fully supports diversity in the workplace and within our own workforce.

Respectfully submitted,

Glenn Matthews

** WWW.MATTHEWSBUSESFLORIDA.COM **
President
Matthews Bus Alliance, Inc.
4802 West Colonial Drive
Orlando, FL 32808
Office Phone: (800) 330-1175 Ext. 412
Cell Phone: (407) 697-7856
Fax: (407) 374-1797
Email: gmatthews@matthewsbusesflorida.com
BID REGISTRATION

COMPLETE AND RETURN THIS FORM

BID NO: ITB 2020-16

TITLE: Type A, Type C and Type D School Buses and Optional Equipment

DATE & TIME DUE: OCTOBER 23, 2019 @ 9:15 AM ET

To register to bid, please complete and return this bid registration form as soon as possible. Send this sheet only to Regina.Register@fldoe.org (preferred), fax it to 850-245-0719, or mail it to 325 West Gaines Street, 332 Turlington Building, Tallahassee, Florida 32399-0400.

COMPANY NAME: MATTHEWS BUS ALLIANCE, INC.

CONTACT PERSON: GLENN MATTHEWS

ADDRESS: 4802 WEST COLONIAL DRIVE

CITY, STATE, ZIP: ORLANDO, FL 32808

TELEPHONE: ( ) 800-330-1175 FAX NUMBER: ( ) 407-374-1797

INTERNET EMAIL ADDRESS: GMATTHEWS@MATTHEWSBUSESFLORIDA.COM

SIGNED: ___________________________ DATE: 9-9-2019

For further information about this bidding on contracts for the State of Florida, you may contact ReGina Register at 850-245-9173 or Regina.Register@fldoe.org.

Emailed on 9-9-19.
State of Florida
Florida Department of Education
Bureau of Contracts, Grants and Procurement Management Services
332 Turlington Building
325 West Gaines Street
Tallahassee, Florida 32399-0400

BID REGISTRATION

COMPLETE AND RETURN THIS FORM

BID NO: ITB 2020-16

TITLE: Type A, Type C and Type D School Buses and Optional Equipment

DATE & TIME DUE: OCTOBER 23, 2019 @ 9:15 AM ET

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COMPANY NAME: MATTHEWS BUS ALLIANCE, INC.

CONTACT PERSON: GLENN MATTHEWS

ADDRESS: 4802 WEST COLONIAL DRIVE

CITY, STATE, ZIP: ORLANDO, FL 32808

TELEPHONE: ( ) 800-330-1175 FAX NUMBER: ( ) 407-374-1797

INTERNET EMAIL ADDRESS: GMATTHEWS@MATTHEWSBUSESFLORIDA.COM

SIGNED: ____________________________ DATE: 10-21-2019

For further information about this bidding on contracts for the State of Florida, you may contact ReGina Register at 850-245-9173 or Regina.Register@fldoe.org.
State of Florida
Department of Education

INVITATION TO BID
BID NO: ITB 2020-16

For

TYPES A, C AND D SCHOOL BUSES

and

OPTIONAL EQUIPMENT

DEADLINES

TECHNICAL QUESTIONS: SEPTEMBER 12, 2019 BY 5 p.m. ET
BID RESPONSE SUBMITTAL DUE: OCTOBER 23, 2019 BY 9:15 a.m. ET

ESTIMATE POSTING DATE: OCTOBER 29, 2019
CONTRACT EFFECTIVE DATE: January 1, 2020

MAIL OR DELIVER BID RESPONSES TO:

Florida Department of Education
Bureau of Contracts, Grants and Procurement Management Services
325 West Gaines Street
332 Turlington Building
Tallahassee, Florida 32399-0400
Attention: ReGina Register
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<td>POSTING OF BID TABULATION</td>
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<td>ATTACHMENTS FOR BID 2020-16</td>
<td>33</td>
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<td>ATTACHMENT 1 - VENDOR’S BID PRICING SHEETS</td>
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<td>36</td>
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<td>ATTACHMENT 4 - MINORITY SUBCONTRACTORS UTILIZATION SUMMARY</td>
<td>37</td>
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<td>ATTACHMENT 5 - SCRUTINIZED COMPANIES LIST</td>
<td>38</td>
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<td>ATTACHMENT 6 - CONTRACT - TYPES A, C AND D SCHOOL BUSES AND OPTIONAL EQUIPMENT</td>
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<td>ATTACHMENT 7 - BIDDER REPRESENTATION</td>
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<td>ATTACHMENT 8 - PURCHASE ORDER/CUSTOMER CONTACT PREFERENCE INFORMATION</td>
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<td>ATTACHMENT 9 - FILE STRUCTURE FOR REQUIRED STATUS REPORT</td>
<td>42</td>
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<td>ATTACHMENT 10 - PRE-DELIVERY INSPECTION (PDI) FORM</td>
<td>43</td>
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<td>ATTACHMENT 11 - FLORIDA SCHOOL BUS SPECIFICATIONS, REVISED 2019</td>
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<td>ATTACHMENT 12 - FMVSS AND GAWR LETTER OF ATTESTATION</td>
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<td>ATTACHMENT 14 - CHASSIS DELIVERY DATES LETTER</td>
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<td>ATTACHMENT 15 - LIQUIDATED DAMAGES ACKNOWLEDGEMENT LETTER</td>
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### TYPE A SCHOOL BUSES

**VENDOR:** Matthews Bus Alliance, Inc.

**ITB 2020-16 PRICING SHEETS**

**INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.**

**LEGEND:**

- **STD = STANDARD EQUIPMENT**
- **N/A = NOT APPLICABLE**
- **N/C = NO CHARGE**
- **STD = STANDARD EQUIPMENT**
- **(Lift Bus Only)**
- **OPTIONAL CHASSIS EQUIPMENT PRICES**
- **OPTIONAL BODY EQUIPMENT PRICES**
- **STD = STANDARD EQUIPMENT**
- **STD = STANDARD EQUIPMENT**
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- **STD = STANDARD EQUIPMENT**
- **STD = STANDARD EQUIPMENT**

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**STANDARD EQUIPMENT / BASE BUS PRICE**

<table>
<thead>
<tr>
<th>Type A: 18 Capacity</th>
<th>Type A: 18 Capacity with Lift</th>
<th>Type A: 27 Capacity</th>
<th>Type A: 27 Capacity with Lift</th>
<th>Type A: 29 Capacity</th>
<th>Type A: 29 Capacity with Lift</th>
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<tr>
<td>$58,048</td>
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**OPTIONAL CHASSIS EQUIPMENT PRICES**

- **Front Tow Hooks**
- **Rear Tow Hooks**
- **Spare Disc Wheel**
- **Auto Trans Warranty (5 yr unlimited)**
- **75-100 Gallon Fuel Tank**
- **76" High Headroom (minimum)**
- **Lap/Shoulder Belts (PRICE PER UNIT - no reduction in seating capacity)**

**OPTIONAL BODY EQUIPMENT PRICES**

- **Futuro Use**

---

**Date and Signature:**

**INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.**
### OPTIONAL WHEELCHAIR LIFT #1

<table>
<thead>
<tr>
<th>Lift Number</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Capacity</th>
<th>Platform Width</th>
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<tbody>
<tr>
<td>(Opt 1) Lift</td>
<td>Braun</td>
<td>Rifled Air - BH2020</td>
<td>60,000 BTU</td>
<td>60 Amps</td>
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<tr>
<td>(Opt 2) Lift</td>
<td>Braun</td>
<td>1000lbs Lift</td>
<td>N/A</td>
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<tr>
<td>(Opt 3) Lift</td>
<td>Braun</td>
<td>1000lbs Lift</td>
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### OPTIONAL WHEELCHAIR TIEDOWN/OCCUPANT RESTRAINT SYSTEM (WTORS)

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<th>Lift Number</th>
<th>Lift Type</th>
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<tr>
<td>OPT1)WTORS</td>
<td>Lift</td>
<td>- Straot</td>
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### AC-1 OPTIONAL AIR-CONDITIONING

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### SEATING CAPACITY FOR REAR MOUNTED LIFT EQUIPPED BUSES WITH RAISED/FLAT FLOOR

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### SEATING CAPACITY FOR REAR MOUNTED LIFT EQUIPPED BUSES

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<tr>
<td>Tag and Title - Minotour</td>
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<tr>
<td>Pro Low Hatch with Static Vent</td>
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<tr>
<td>STARS Package #1 - Continuous Track</td>
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<tr>
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<td>Additional Stair Mount Positions for Package #1 and #2</td>
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<td>Driver's Door Entrance Stop</td>
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<td>Symtec Seat (Integrated Child Seat) 3 Point (Price per Seat)</td>
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<td>HP</td>
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<td>Flush Mounted LED Entrance Light</td>
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<td>MFSAB Options Only</td>
<td>$970</td>
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<td>Beltline One Color</td>
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<td>Solid One Color</td>
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<td>Two Color</td>
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<td>LEGEND</td>
<td>STANDARD EQUIPMENT / BASE BUS PRICE</td>
<td>COMMENTS/NOTES</td>
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<tr>
<td>2500 - STANDARD EQUIPMENT</td>
<td>Standard Engine: Cummins, B 6.7L HP/Torque vary per config</td>
<td>NO BID NO BID</td>
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<td>43/10 - NO CHANGE</td>
<td>Standard Trim: Hankska AH1H, 139H22.5 14 Ply (G)</td>
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<td>500 - NO BASE</td>
<td>Standard Equipment/Price: Base (configurable), BOX</td>
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<tr>
<th>TYPE C LIGHT 70 Capacity</th>
<th>TYPE C LIGHT - 20 Capacity</th>
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<th>TYPE C - 47 Capacity</th>
<th>TYPE C - 47 Capacity with LP</th>
<th>TYPE C - 45 Capacity with LP</th>
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<th>TYPE C - 71 Capacity with LP</th>
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<tr>
<th>Optional Equipment</th>
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<tr>
<td>Base School Bus Price</td>
<td>$2,205</td>
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<td>Base MISAS Price</td>
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**OPTIONAL CHASSIS EQUIPMENT PRICES**

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<td>29</td>
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<td>47</td>
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**OPTIONAL BODY EQUIPMENT PRICES**

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<td>95</td>
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**CONTACT**

Matthews Bus Alliance, Inc.

**INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.**

Date and Signature:
<table>
<thead>
<tr>
<th>Optional Tire Description</th>
<th>Model</th>
<th>Manufacturer</th>
<th>Tire Size</th>
<th>Capacity</th>
<th>Lift Capacity</th>
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</thead>
<tbody>
<tr>
<td>OPT1 Tire</td>
<td>Michelin XE 225/70R22.5 16 Ply (G)</td>
<td>N/A</td>
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<tr>
<td>OPT2 Tire</td>
<td>Bridgestone BRSR 11R22.5 14 Ply (G)</td>
<td>N/A</td>
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<td>OPT3 Tire</td>
<td>Firestone Multistep 11R22.5 14 Ply (G)</td>
<td>N/A</td>
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<thead>
<tr>
<th>Optional Wheelchair Lift Description</th>
<th>Model</th>
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<tr>
<td>OPT1 Lift</td>
<td>Braun NCL954FIB3454-2</td>
<td>1000lbs Lift</td>
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<tr>
<td>OPT2 Lift</td>
<td>Manual, Model</td>
<td>Capacity, Platform width</td>
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<table>
<thead>
<tr>
<th>Optional Wheelchair/Tiedown/Restraint System Description</th>
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<tr>
<td>OPT1 System</td>
<td>Q-Straint - 8300A1-SC</td>
<td>STD in STARS Package #3 Only. See Appendix I</td>
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<tr>
<td>OPT2 System</td>
<td>Transarctic, C240, 180,000 BTU, 128 AMPS</td>
<td>See Appendix I for details</td>
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<table>
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<tr>
<th>Optional Air Conditioning Description</th>
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</thead>
<tbody>
<tr>
<td>OPT1 Air Conditioning</td>
<td>AC-1 Rifled Air - RAC-BH1141, 116,000 BTU W/ DASH, 80 AMPS</td>
<td>See Appendix I for details</td>
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<tr>
<td>OPT2 Air Conditioning</td>
<td>AC-2 Rifled Air - RAC-BH2241, 150,000 BTU W/DASH, 100 AMPS</td>
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<td>OPT3 Air Conditioning</td>
<td>AC-3 Rifled Air - RAC-BH1122, 116,000 BTU W/DASH, 70 AMPS</td>
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<tr>
<td>OPT4 Air Conditioning</td>
<td>AC-4 Rifled Air - RAC-BH2233, 150,000 BTU W/DASH, 105 AMPS</td>
<td>See Appendix I for details</td>
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<tr>
<td>OPT5 Air Conditioning</td>
<td>AC-5 Transarctic, C240, 180,000 BTU, 128 AMPS</td>
<td>See Appendix I for details</td>
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<tr>
<td>OPT6 Air Conditioning</td>
<td>AC-6 Vanner Revolution System w/ Electric Compressor</td>
<td>See Appendix I for details</td>
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<table>
<thead>
<tr>
<th>Optional Engines Description</th>
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<tr>
<td>OPT1 Engine</td>
<td>Detroit DD5</td>
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<tr>
<td>OPT2 Engine</td>
<td>Cummins ISB 5.9</td>
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<td>OPT3 Engine</td>
<td>Cummins ISB 6.7</td>
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Date and Signature:
## Type C School Buses

**Comments/Notes**

<table>
<thead>
<tr>
<th>Type C Light Capacity</th>
<th>Type C Light: 29 Capacity with Lift</th>
<th>Type C: 29 Capacity</th>
<th>Type C: 47 Capacity</th>
<th>Type C: 47 Capacity with Lift</th>
<th>Type C: 65 Capacity</th>
<th>Type C: 65 Capacity with Lift</th>
<th>Type C: 71 Capacity</th>
<th>Type C: 71 Capacity with Lift</th>
<th>Type C: 77 Capacity</th>
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<tbody>
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<td>N/A</td>
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<td>Minimum Number of Wheelchair Spaces</td>
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<td>N/A</td>
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<td>Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces</td>
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<td>N/A</td>
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</table>

### Seating Capacity for Front Mounted Lift Equipped Buses

| Standard Number of Wheelchair Spaces | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Minimum Number of Wheelchair Spaces | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

### Seating Capacity for Rear Mounted Lift Equipped Buses

| Standard Number of Wheelchair Spaces | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Minimum Number of Wheelchair Spaces | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

### Warranty Options

<table>
<thead>
<tr>
<th>Extended Engine Warranty CUMMINS B6.7 EXC COVERAGE - 60 Months/150,000 Miles</th>
<th>Extended Engine Warranty CUMMINS B6.7 EXC COVERAGE - 60 Months/Unlimited Miles</th>
<th>Extended Engine Warranty CUMMINS B6.7 EXC COVERAGE - 120 Months/200,000 Miles</th>
<th>Extended Engine Warranty CUMMINS B6.7 EXC COVERAGE - 120 Months/Unlimited Miles</th>
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<tbody>
<tr>
<td>Cummins B6.7 EXC Coverage - 60 Months/150,000 Miles See Appendix I for details</td>
<td>Cummins B6.7 EXC Coverage - 60 Months/Unlimited Miles See Appendix I for details</td>
<td>Cummins B6.7 EXC Coverage - 120 Months/200,000 Miles See Appendix I for details</td>
<td>Cummins B6.7 EXC Coverage - 120 Months/Unlimited Miles See Appendix I for details</td>
</tr>
<tr>
<td>Warranty Credit Option 12 Months/12,000 Miles Only (See Note) N/A N/A N/A N/A</td>
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**Bags in Ft. 30” W x 20” H**

- **8.9 cu ft 30”W x 20”H**
  - Lock and 2 gas springs $310
  - N/A $310

- **17.8 cu ft 60” W x 20” H**
  - Fiberglass Baggage Compartment - 26 Cubic Feet
  - N/A $4,600

**Luggage Compartment Availability may be limited based on optional equipment selections.**

### Additional Seating Options

Luggage compartment availability may be limited based on optional equipment selections.

---

**Information Submitted for All Items on This Page May Not Be Changed or Substituted Under Any Circumstances.**

Date and Signature:

---
## Type C School Buses

### Comments/Notes

<table>
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<tr>
<th>Comments/Notes</th>
<th>Type C Light</th>
<th>Type C Light - 29 Capacity</th>
<th>Type C 29 Capacity</th>
<th>Type C 29 Capacity with L/R</th>
<th>Type C 47 Capacity</th>
<th>Type C 47 Capacity with L/R</th>
<th>Type C 63 Capacity</th>
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### TYPE C SCHOOL BUSES

**VENDOR:** Matthews Bus Alliance, Inc.

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#### ADDITIONAL OPTIONS

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<th>TYPE C: 20 94 Capacity</th>
<th>TYPE C: 20 Capacity with Lift</th>
<th>TYPE C: 25 94 Capacity</th>
<th>TYPE C: 25 Capacity with Lift</th>
<th>TYPE C: 29 73 Capacity</th>
<th>TYPE C: 29 Capacity with Lift</th>
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<th>TYPE C: 31 Capacity with Lift</th>
<th>TYPE C: 35 55 Capacity</th>
<th>TYPE C: 35 Capacity with Lift</th>
<th>TYPE C: 37 47 Capacity</th>
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**LED Headlights**

Price: 525

**Non-Factory Bus Lock Up Installation**

Price: 250

**Stainless Steel Lower Radiator Pipes Only Available on C2**

Price: 180

**Tag and Title - County Tags**

Price: 257

**Tag and Title - Non-County Tags**

Price: 475

**3 Point Child Safety Seat**

Price: 750

**Allison DOC Transmission PTS 2000 And 3000**

Price: 1,100

**PV 360 Camera System Only Available on C2**

Price: 1,650

**Transign VS12112 Front LED Sign**

Price: 4.79"x 31.59" Display Requires Front Sign

**Marbleized Floor Covering & Treads - Optional Colors See Sales Rep for Options**

Price: 864

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**INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.**

Date and Signature:

---

**N/A** N/A N/A N/A
## Type D [FE] School Buses

<table>
<thead>
<tr>
<th>Standard Equipment / Base Bus Price</th>
<th>Comments/Notes</th>
<th>Type D Front Engine (FE) 75 Capacity</th>
<th>Type D Front Engine (FE) 75 Capacity with Lift</th>
<th>Type D Front Engine (FE) 83 Capacity</th>
<th>Type D Front Engine (FE) 85 Capacity with Lift</th>
<th>Type D Front Engine (FE) 93 Capacity</th>
<th>Type D Front Engine (FE) 95 Capacity with Lift</th>
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<tr>
<td>STD - Standard Equipment</td>
<td>Standard Engine: Cummins ISB 250/660</td>
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<td>Standard Transmission: Allison 3000 PTL, 0 SWD, Range</td>
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### Optional Charge Equipment Prices

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<th>Type D Front Engine (FE) 83 Capacity</th>
<th>Type D Front Engine (FE) 85 Capacity with Lift</th>
<th>Type D Front Engine (FE) 93 Capacity</th>
<th>Type D Front Engine (FE) 95 Capacity with Lift</th>
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### Standard Equipment / Base Bus Price

- **STD - Standard Equipment**
  - **Type D Front Engine (FE) 75 Capacity**
    - **Type D Front Engine (FE) 75 Capacity with Lift**
    - **Type D Front Engine (FE) 83 Capacity**
    - **Type D Front Engine (FE) 85 Capacity with Lift**
    - **Type D Front Engine (FE) 93 Capacity**
    - **Type D Front Engine (FE) 95 Capacity with Lift**

### Optional Body Equipment Prices

- **STD - Standard Equipment**
  - **Type D Front Engine (FE) 75 Capacity**
    - **Type D Front Engine (FE) 75 Capacity with Lift**
    - **Type D Front Engine (FE) 83 Capacity**
    - **Type D Front Engine (FE) 85 Capacity with Lift**
    - **Type D Front Engine (FE) 93 Capacity**
    - **Type D Front Engine (FE) 95 Capacity with Lift**

### Optional Chassis Equipment Prices

- **STD - Standard Equipment**
  - **Type D Front Engine (FE) 75 Capacity**
    - **Type D Front Engine (FE) 75 Capacity with Lift**
    - **Type D Front Engine (FE) 83 Capacity**
    - **Type D Front Engine (FE) 85 Capacity with Lift**
    - **Type D Front Engine (FE) 93 Capacity**
    - **Type D Front Engine (FE) 95 Capacity with Lift**

### Information Submitted for All Items on This Page May Not Be Changed or Substituted Under Any Circumstances.

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<td>OPT1 Tire</td>
<td>Michelin XZE 255/70R22.5 16 Ply D</td>
<td>$1,600</td>
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<td>Bridgestone H 235/75R22.5 14 Ply D</td>
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<td>OPT4 Tire</td>
<td>For Model, Size, Load Range</td>
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**OPTIONAL WHEELCHAIR TIFOWN/OCCUPANT RESTRAINT SYSTEM (WTORS)**

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**ADDITIONAL AIR-CONDITIONER OPTIONS**

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**OPTIONAL ENGINES**

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<th>COMMENTS/NOTES</th>
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**BEATING CAPACITY FOR REAR MOUNTED LIFT EQUIPPED BUSES WITH RAISED/FLAT FLOOR**

| Standard Number of Wheelchair Spaces | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

**BEATING CAPACITY FOR FRONT MOUNTED LIFT EQUIPPED BUSES**

| Standard Number of Wheelchair Spaces | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

**WARRANTY OPTIONS**

- **Extended Engine Warranty**
  - CUMMINS B6.7 EXC COVERAGE - 60 Months/200,000 Miles
  - See Appendix I for details
  - $2,000
- **Extended Engine Warranty**
  - CUMMINS B6.7 EXC COVERAGE - 120 Months/200,000 Miles
  - See Appendix I for details
  - $4,350
- **Extended Engine Warranty**
  - CUMMINS B6.7 EXC COVERAGE - 60 Months/Unlimited Miles
  - See Appendix I for details
  - $2,125
- **Extended Engine Warranty**
  - CUMMINS B6.7 EXC COVERAGE - 120 Months/Unlimited Miles
  - See Appendix I for details
  - $4,900
- **Engine Brake**
  - 12 Months/12,000 Miles
  - $550
- **Towing Warranty**
  - 60 Months/Unlimited Miles
  - $550
- **Warranty Credit Option**
  - 12 Months/12,000 Miles
  - *see note*
  - $0

**BASE OPTIONS**

- **Lock and 2 gas springs**
  - STD
  - $1,700
- **Combination Smoker’s Driver Seat - Gray (Includes Armrests)**
  - STD
  - $350
- **Def Tank Lock**
  - STD
  - $12
- **Engine Brakes**
  - STD
  - $600
- **Engine Electronic Diagnostics and Familiarization**
  - STD
  - $20
- **Extended Engine Warranty**
  - STD
  - $2,000
- **Fuel Sense**
  - STD
  - $370
- **Certificate Holder**
  - STD
  - $5
- **Clipboard Document Holder**
  - STD
  - $50
- **Commodore Series Driver Seat - Grey (Includes Armrests)**
  - STD
  - $350
- **Electronic Stability Control**
  - STD
  - $30
- **Exhaust Brakes**
  - STD
  - $290
- **Exhaust Brakes - 2 Way Remote Install**
  - STD
  - $290
- **Fuel Tank Lock**
  - STD
  - $60
- **Driver Seat Left and Right Arm Rests**
  - STD
  - $120
- **Driver’s Seat Pouch**
  - STD
  - $10
- **Electronic Power Outlet 12V**
  - STD
  - $30
- **Engine Brakes**
  - STD
  - $600
- **Engine Electronic Diagnostics and Familiarization**
  - STD
  - $20
- **Extended Engine Warranty**
  - STD
  - $2,000

**ADDITIONAL OPTIONS**

- **Luggage compartment availability may be limited based on optional equipment selections.**

**INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.**

Date and Signature: [26x50]ITB 2020-16 PRICE SHEETS
VENDOR: Matthews Bus Alliance, Inc.
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<td>ADDITIONAL OPTIONS</td>
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<td>Fleetshield Edge-Cover</td>
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<td>Fleetshield Tuffcoat Bumpers</td>
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<td>Fleetshield Tuffcoat Fuel Tank</td>
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<td>Fleetshield Tuffcoat Stepwell</td>
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<td>Fog Lamps (C2 and Type D only)</td>
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<tr>
<td>Heavy Duty Bumper</td>
<td>STD</td>
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<tr>
<td>情報を開示するすべてのアイテムに対する情報は、いかなる状況においても変更または代用されない。</td>
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</table>

**INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.**

Date and Signature:
## Type D [RE] School Buses

### Legend:

- **STD** = Standard Equipment
- **N/A** = Not Applicable
- **STD** = Standard Engine: Cummins ISB 250/660
- **N/A** = NOT APPLICABLE
- **STD** = Standard Transmission: Allison 3000 PTS, 5 Speed Range
- **STD** = Standard \[B20\] Poweder-Coated Windows
- **STD** = Standard \[B21\] Driver's Seat with Integrated Seat Belt
- **STD** = Standard \[B22\] Delete W/C – Add Seat
- **STD** = Standard \[B23\] Delete Seat – Add W/C
- **STD** = Standard \[B24\] Wheelchair Security Area Lighting
- **STD** = Standard \[B25\] Track Seating (Lift Bus Only)
- **STD** = Standard \[B26\] Standard Track-Seating Seat
- **STD** = Standard \[B27\] Driver's Seat with Integrated Seat Belt
- **STD** = Standard \[B28\] FUTURE USE
- **STD** = Standard \[B29\] 76" High Headroom (minimum)
- **STD** = Standard \[B30\] Full Perf. Ceiling Panel
- **STD** = Standard \[B31\] Pro Lo Hatch
- **STD** = Standard \[B32\] FUTURE USE
- **STD** = Standard \[B33\] Lap/Shoulder Belts [PRICE PER UNIT – no reduction in seating capacity] **!
- **STD** = Standard \[B34\] Full Perf. Ceiling Panel
- **STD** = Standard \[B35\] Bus Knock System
- **STD** = Standard \[B36\] Motorized Sliding Entry
- **STD** = Standard \[B37\] Stainless Steel Minor System [with non-corrosive brackets & fasteners]
- **STD** = Standard \[B38\] Battery Disconnect Switch/Relay
- **STD** = Standard \[B39\] Load Light Emergency System
- **STD** = Standard \[B40\] Fire Resistant Rear Window
- **STD** = Standard \[B41\] Vehicle Emergency Bumper
- **STD** = Standard \[B42\] Power-Glazed Windshield
- **STD** = Standard \[B43\] Driver's Seat with Integrated Seat Belt
- **STD** = Standard \[B44\] Driver's Seat with Integrated Seat Belt (Lift Bus Only)
- **STD** = Standard \[B45\] Wheelchair Security Area Lighting (Lift Bus Only)
- **STD** = Standard \[B46\] Standard Track-Seating Seating (Lift Bus Only)
- **STD** = Standard \[B47\] Wheelchair Security Area Lighting (Lift Bus Only)
- **STD** = Standard \[B48\] Standard Track-Seating Seating (Lift Bus Only)

### Type D Rear Engine (RE) School Buses Prices

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<td>[B21] Driver's Seat with Integrated Seat Belt</td>
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<tr>
<td>[B22] Delete W/C – Add Seat</td>
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<tr>
<td>[B23] Delete Seat – Add W/C</td>
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<tr>
<td>[B24] Wheelchair Security Area Lighting</td>
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<tr>
<td>[B25] Track Seating</td>
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<tr>
<td>[B26] Standard Track-Seating Seat</td>
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<tr>
<td>[B27] Driver's Seat with Integrated Seat Belt</td>
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### Information Submitted for All Items on This Page May Not Be Changed or Substituted Under Any Circumstances.

Date and Signature:
# Type D [RE] School Buses

**Optional Tire**

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<th>OPT1</th>
<th>Tire</th>
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<td>Model, Size, Load range</td>
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<th>Lift</th>
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**Optional Wheelchair Lift #1**

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**Optional Wheelchair, Occupant Restraint System (WTORS)**

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**Optional Engines**

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**NOTICE**

Information submitted for all items on this page may not be changed or substituted under any circumstances.

Date and Signature:

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<th><strong>COMMENTS/NOTES</strong></th>
<th><strong>TYPE D REAR ENGINE (RE): 72 Capacity</strong></th>
<th><strong>TYPE D REAR ENGINE (RE): 78 Capacity</strong></th>
<th><strong>TYPE D REAR ENGINE (RE): 84 Capacity</strong></th>
<th><strong>TYPE D REAR ENGINE (RE): 89 Capacity</strong></th>
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<td><strong>TYPE D REAR ENGINE (RE): 84 Capacity with Lift</strong></td>
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**Extended Engine Warranty**
- **CUMMINS B6.7 EXC COVERAGE**
  - 60 Months/200,000 Miles: See Appendix I for details
  - Extended Engine Warranty: $2,090
  - Extended Engine Warranty: $2,125
- **CUMMINS B6.7 EXC COVERAGE**
  - 120 Months/200,000 Miles: See Appendix I for details
  - Extended Engine Warranty: $4,350
  - Extended Engine Warranty: $4,900

**Warranty Credit Option**
- 12 Months/12,000 Miles: $1,150
- *By taking this warranty credit, the purchasing district is declining the standard chassis warranty and the standard body warranty and will only have warranty coverage for 12 Months/12,000 Miles (NO EXCEPTIONS) from the updated in-service date of the bus.*

**ADDITIONAL OPTIONS**
- Baggage Compartment availability may be limited based on optional equipment selections.

**Luggage Compartment Baggage Box (Not Available on CNG) Not available on CNG**
- Size: 125"W x 20"H
- Size: 155"W x 20"H

**WARRANTY OPTIONS**

---

**INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.**

Date and Signature:
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<th>Comments/Notes</th>
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ADDITIONAL OPTIONS

- Fleetshield Tuffcoat Bumpers: $300
- Fleetshield Tuffcoat Fuel Tank: $475
- Fleetshield Tuffcoat Stepwell: $230
- Fog Lamps (C2 and Type D only): $85
- Fuel Sense: $370
- Heavy Duty Bumper: $2,300
- Mud Flaps: $50
- Noise Suppression Switch: $50
- Petcock Plumed to Skirt: $50
- Rail Assist on Front Entrance Door: $100
- Rooftop Lettering: $90
- Rosco Back Up Mirror & Camera: $950
- Route Changer 4 Digit - Hinged: $65
- Route Changer 4 Digit - Suction Cup: $65
- Seats Incorporated High Back Drivers Seat (Magnum) (Includes Armrests): $560
- Smoke Only Heater and Engine Coolant Hoses: $244
- Stainless Steel Heated Mirrors Crossview and Rear View: $250
- Syntec Seat (Integrated Child Seat) (Price per Seat): $400
- Tag and Title: $475
- Telescoping Steering Column Add to Tilt: $475
- DIESEL Warranty - 60 Months/Unlimited Miles: $1,325
- Allison DOC Transmission PTS 2000 And 3000: $1,900
- Cummins Engine INSITE Software, Adapter, 1 Year Sub: $924
- Diagnostic Link: $1,500
- Cummins B6.7 AB3 Aftertreatment Coverage - 120 Months/200,000 Miles: $2,200
- Cummins B6.7 AB3 Aftertreatment Coverage - 120 Months/Unlimited Miles: $3,200
- Cummins B6.7 AB3 Aftertreatment Coverage - 60 Months/150,000 Miles: $800
- Cummins B6.7 AB3 Aftertreatment Coverage - 60 Months/200,000 Miles: $900
- Cummins B6.7 AB3 Aftertreatment Coverage - 60 Months/Unlimited Miles: $1,075
- Non-Factory Bus Lock Up Installation: $50
- PRS Wall Mount Position for Package #1 and #2: $657
- PRS Wall Mount Position for Package #3 (2 Seats): $784
- PRS Wall Mount Position for Package #4 (5 Seats): $957
- PRS Wall Mount Position for Package #5 (5 Seats): $1,058
- PRS Wall Mount Position for Package #6 (5 Seats): $1,163
- PRS Wall Mount Position for Package #7 (5 Seats): $1,265
- PRS Wall Mount Position for Package #8 (5 Seats): $1,367
- PRS Wall Mount Position for Package #9 (5 Seats): $1,469
- PRS Wall Mount Position for Package #10 (5 Seats): $1,571
- PRS Wall Mount Position for Package #11 (5 Seats): $1,673
- PRS Wall Mount Position for Package #12 (5 Seats): $1,775
- PRS Wall Mount Position for Package #13 (5 Seats): $1,877
- PRS Wall Mount Position for Package #14 (5 Seats): $1,979
- PRS Wall Mount Position for Package #15 (5 Seats): $2,081
- PRS Wall Mount Position for Package #16 (5 Seats): $2,183
- PRS Wall Mount Position for Package #17 (5 Seats): $2,285
- PRS Wall Mount Position for Package #18 (5 Seats): $2,387
- PRS Wall Mount Position for Package #19 (5 Seats): $2,489
- PRS Wall Mount Position for Package #20 (5 Seats): $2,591
- PRS Wall Mount Position for Package #21 (5 Seats): $2,693
- PRS Wall Mount Position for Package #22 (5 Seats): $2,795
- PRS Wall Mount Position for Package #23 (5 Seats): $2,897
- PRS Wall Mount Position for Package #24 (5 Seats): $2,999
- PRS Wall Mount Position for Package #25 (5 Seats): $3,101
- PRS Wall Mount Position for Package #26 (5 Seats): $3,203
- PRS Wall Mount Position for Package #27 (5 Seats): $3,305
- PRS Wall Mount Position for Package #28 (5 Seats): $3,407
- PRS Wall Mount Position for Package #29 (5 Seats): $3,509
- PRS Wall Mount Position for Package #30 (5 Seats): $3,611
- PRS Wall Mount Position for Package #31 (5 Seats): $3,713
- PRS Wall Mount Position for Package #32 (5 Seats): $3,815
- PRS Wall Mount Position for Package #33 (5 Seats): $3,917
- PRS Wall Mount Position for Package #34 (5 Seats): $4,019

INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.

Date and Signature:
### Delivery Prices

**Vendor:** Matthews Bus Alliance, Inc.

**Delivery Prices:**

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<th>Upcharge</th>
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**For Delivery Upcharge:**

- Add $100 for Propane
- Add $780 for CNG
- Add $1,500 for Electric
- Add for MFSAB

**From: Address**

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**Region 1: County Seat**

- **Bay:** Panama City
- **Calhoun:** Blountstown
- **Escambia:** Pensacola
- **Franklin:** Apalachicola
- **Gulf:** Port St. Joe
- **Holmes:** Bonifay
- **Jackson:** Marianna
- **Liberty:** Bristol
- **Okaloosa:** Crestview
- **Santa Rosa:** Milton
- **Walton:** Defuniak Springs
- **Washington:** Chipley

**Region 2: County Seat**

- **Alachua:** Gainesville
- **Baker:** Macclenny
- **Bradford:** Starke
- **Clay:** Green Cove Springs
- **Columbia:** Lake City
- **Dixie:** Cross City
- **Duval:** Jacksonville
- **Gadsden:** Quincy
- **Gilchrist:** Trenton
- **Hamilton:** Jasper
- **Jefferson:** Monticello
- **Lafayette:** Mayo
- **Leon:** Tallahassee
- **Levy:** Bronson
- **Madison:** Madison
- **Nassau:** Fernandina Beach
- **Suwannee:** Live Oak
- **Taylor:** Perry
- **Union:** Lake Butler
- **Wakulla:** Crawfordville

**Note:** Delivery prices are by region and buses shall be delivered to the county seat of the ordering district.
## DELIVERY PRICES

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**NOTE:** DELIVERY PRICES ARE BY REGION AND BUSES SHALL BE DELIVERED TO THE COUNTY SEAT OF THE ORDERING DISTRICT.
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<td>Trooper TH4</td>
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<td>TH4H500</td>
<td>Trooper TH4 DVR 4 HD channels, audio, security front cover w/ lock set, mounting bracket, power harness, 500GB hard drive</td>
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<td>TH4H1T0</td>
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<td>TH4C128</td>
<td>TH4C DVR 4 HD channels, audio, mounting bracket, power harness, 128GB Card</td>
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<td>TH4C256</td>
<td>TH4C DVR 4 HD channels, audio, mounting bracket, power harness, 256GB Card</td>
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<td>TH4C512</td>
<td>TH4C DVR 4 HD channels, audio, mounting bracket, power harness, 512GB Card</td>
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<td>Trooper TH6</td>
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<td>TH6H500</td>
<td>Trooper TH DVR 6 HD channels, audio, security front cover w/ lock set, mounting bracket, power harness, 500GB hard drive</td>
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<td>Trooper TH8</td>
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<td>TH8H1T0</td>
<td>TH8 DVR, 8 HD Channels, 2 IP Channels, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 1TB Single HDD</td>
<td>$1,868</td>
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<tr>
<td>TH8H2T0</td>
<td>TH8 DVR, 8 HD Channels, 2 IP Channels, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 2TB Single HDD</td>
<td>$1,977</td>
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<td>TH8H2T0-2HDD</td>
<td>TH8 DVR, 8 HD Channels, 2 IP Channels, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 2TB (2X1TB) Dual HDD</td>
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<td>TH8H4T0-2HDD</td>
<td>TH8 DVR, 8 HD Channels, 2 IP Channels, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 4TB (2X2TB) Dual HDD</td>
<td>$2,137</td>
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<td><strong>Video Expansion Option for TH8 DVR</strong></td>
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<td>TH4C0</td>
<td>TH4C0 DVR 4 HD channels, audio, mounting bracket, power harness, 15’ CAT 5 Patch Cable</td>
<td>$977</td>
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<td><strong>SD Card Video Back Up for TH /series DVR’s</strong></td>
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<td>SDCARD128</td>
<td>SD Card, 128GB, for backup video storage</td>
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<td>SDCARD256</td>
<td>SD Card, 256GB, for backup video storage</td>
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<td>SDCARD512</td>
<td>SD Card, 512GB, for backup video storage</td>
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<tr>
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<th>Price</th>
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<tbody>
<tr>
<td><strong>SEON CONTINUED</strong></td>
<td>Trooper TH4 - Solid State</td>
<td>Trooper TH4 DVR 4 HD channels, audio, security front cover w/ lock set, mounting bracket, power harness, 1TB SSD</td>
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<td>TH4S1T0</td>
<td>Trooper TH4 DVR 4 HD channels, audio, security front cover w/ lock set, mounting bracket, power harness, 500GB SSD</td>
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<td><strong>Trooper TH6 - Solid State</strong></td>
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<td>Trooper TH DVR 6 HD channels, audio, security front cover w/ lock set, mounting bracket, power harness, 1TB SSD</td>
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<td>TH6S1T0</td>
<td>Trooper TH DVR 6 HD channels, audio, security front cover w/ lock set, mounting bracket, power harness, 500GB SSD</td>
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<td><strong>Trooper TH8 - Solid State</strong></td>
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<td>TH8 DVR, 8 HD Channels, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 1TB Single SSD</td>
<td>$ 2,264</td>
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<tr>
<td>TH8S1T0</td>
<td>TH8 DVR, 8 HD Channels, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 2TB Single SSD</td>
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<td>TH8S2T0</td>
<td>TH8 DVR, 8 HD Channels, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 2TB (2x1TB) Dual SSD</td>
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<td>TH8S2T0-2SSD</td>
<td>TH8 DVR, 8 HD Channels, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 4TB (2x2TB) Dual SSD</td>
<td>$ 3,865</td>
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<td>Explorer NH16</td>
<td>NH NVR Hybrid, 16 Channels, 8CH Analog HD Built-In, 16 Port POE Switch, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 1TB Single HDD</td>
<td>$ 3,977</td>
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<td>NH16H1T0</td>
<td>NH NVR Hybrid, 16 Channels, 8CH Analog HD Built-In, 16 Port POE Switch, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 2TB Single HDD</td>
<td>$ 4,084</td>
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<td>NH16H2T0</td>
<td>NH NVR Hybrid, 16 Channels, 8CH Analog HD Built-In, 16 Port POE Switch, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 2TB (2X1TB) Dual HDD</td>
<td>$ 4,091</td>
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<td>NH16H2T0-2HDD</td>
<td>NH NVR Hybrid, 16 Channels, 8CH Analog HD Built-In, 16 Port POE Switch, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 4TB (2X2TB) Dual HDD</td>
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<td>Explorer NH16 - Solid State</td>
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<td>NH NVR Hybrid, 16 Channels, 8CH Analog HD Built-In, 16 Port POE Switch, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 1TB Single SSD</td>
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<td>NH16S1T0</td>
<td>NH NVR Hybrid, 16 Channels, 8CH Analog HD Built-In, 16 Port POE Switch, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 2TB Single SSD</td>
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<td>NH16S2T0</td>
<td>NH NVR Hybrid, 16 Channels, 8CH Analog HD Built-In, 16 Port POE Switch, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 2TB (2X1TB) Dual SSD</td>
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<td>NH16S2T0-2SSD</td>
<td>NH NVR Hybrid, 16 Channels, 8CH Analog HD Built-In, 16 Port POE Switch, Audio, Security Front Cover w/ Lock Set, Mounting Bracket, Power Harness, 4TB (2X2TB) Dual SSD</td>
<td>$ 5,935</td>
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Date and Signature:
### VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

**MANUF, MODEL** | **DESCRIPTION** | **COMMENTS/NOTES** | **Price**
--- | --- | --- | ---
**SEON CONTINUED**
**DVR Wiring Bundles**
WT1D20S20G4 | Trooper TL, TL-HD & TH and NH16 wiring bundle, diagnostic indicator/alarm button cable, five signal input, GPS4 receiver magnetic mount |  | $ 231
**Camera AHD 720P Interior Dome TH Series DVR's**
HD1QxxAI20 | HD Camera, Dome, internal, audio, IR TDN 20' Harness to use w/TH-Series DVRs - 26mm or 36mm |  | $ 335
HD1QxxAI50 | HD Camera, Dome, internal, audio, IR TDN 50' Harness to use w/TH-Series DVRs - 26mm or 36mm |  | $ 364
HD1QxxAI75 | HD Camera, Dome, internal, audio, IR TDN 75' Harness to use w/TH-Series DVRs - 26mm or 36mm |  | $ 390
**Camera AHD 720P Exterior Wedge TH Series DVR's**
HD1WxxEI20 | HD Camera, Wedge, external, IR TDN, 20' harness - for use w/TH4 DVRs - 28mm, 36mm, 16mm or 25mm |  | $ 443
HD1WxxEI50 | HD Camera, Wedge, external, IR TDN, 50' harness - for use w/TH4 DVRs - 28mm, 36mm, 16mm or 25mm |  | $ 461
HD1WxxEI75 | HD Camera, Wedge, external, IR TDN, 75' harness - for use w/TH4 DVRs - 28mm, 36mm, 16mm or 25mm |  | $ 478
**Camera AHD 720P Stop Arm Exterior Wedge TH Series DVR's**
HD1S16EI20 | HD Camera, Wedge, Stop Arm, 16mm, external, IR TDN, 20' harness - for use w/TH-Series DVRs |  | $ 466
HD1S16EI50 | HD Camera, Wedge, Stop Arm, 16mm, external, IR TDN, 50' harness - for use w/TH-Series DVRs |  | $ 491
HD1S16EI75 | HD Camera, Wedge, Stop Arm, 16mm, external, IR TDN, 75' harness - for use w/TH-Series DVRs |  | $ 516
**Camera AHD 1080P Ultra-Wide - Interior for TH6 & TH8 DVR's Only**
HD3U01AN20 | HD Camera, Ultra Wide, 172mm, internal, audio, IR, TDN, 20' harness — to use w/TH6 or TH8 DVR |  | $ 422
HD3U01AN50 | HD Camera, Ultra Wide, 172mm, internal, audio, IR, TDN, 50' harness — to use w/TH6 or TH8 DVR |  | $ 448
HD3U01AN75 | HD Camera, Ultra Wide, 172mm, internal, audio, IR, TDN, 75' harness — to use w/TH6 or TH8 DVR |  | $ 473
**Camera AHD 1080P Interior TH6/TH8**
HD3QxxA20 | HD Camera, Dome, internal, audio, IR TDN, 20' harness — to use w/TH6 DVR - 28mm or 36mm |  | $ 404
HD3QxxA50 | HD Camera, Dome, internal, audio, IR TDN, 50' harness — to use w/TH6 DVR - 28mm or 36mm |  | $ 429
HD3QxxA75 | HD Camera, Dome, internal, audio, IR TDN, 75' harness — to use w/TH6 DVR - 28mm or 36mm |  | $ 454

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<td><strong>Camera AHD 1080P Exterior TH6/TH8</strong></td>
<td>HD Camera, Wedge, external, IR TDN, 20’ harness, to use w/TH6 and TH8 DVRs - 28mm, 36mm, 16mm or 25mm</td>
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<td>$451</td>
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<td>HD3WxxE120</td>
<td>HD Camera, Wedge, external, IR TDN, 50’ harness, to use w/TH6 and TH8 DVRs - 28mm, 36mm, 16mm or 25mm</td>
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<td>$477</td>
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<tr>
<td>HD3WxxE150</td>
<td>HD Camera, Wedge, external, IR TDN, 75’ harness, to use w/TH6 and TH8 DVRs - 28mm, 36mm, 16mm or 25mm</td>
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<td>$502</td>
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<td><strong>Camera AHD 1080P Stop Arm TH6/TH8</strong></td>
<td>HD Camera, Wedge, Stop Arm, external, IR TDN, 20’ harness, to use w/TH6 &amp; TH8 DVRs - 16mm or 25mm</td>
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<td>$474</td>
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<tr>
<td>HD3SxxE120</td>
<td>HD Camera, Wedge, Stop Arm, external, IR TDN, 50’ harness, to use w/TH6 &amp; TH8 DVRs - 16mm or 25mm</td>
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<tr>
<td>HD3SxxE150</td>
<td>HD Camera, Wedge, Stop Arm, external, IR TDN, 75’ harness, to use w/TH6 &amp; TH8 DVRs - 16mm or 25mm</td>
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<td><strong>Camera CA Analog Wedge Exterior</strong></td>
<td>Day/Night 700 TVL camera, exterior (w infrared, no audio), 20 ft harness - 29mm, 36mm, 16mm or 25mm</td>
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<td>$424</td>
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<td>CA10xxE120</td>
<td>Day/Night 700 TVL camera, exterior (w infrared, no audio), 50 ft harness - 29mm, 36mm, 16mm or 25mm</td>
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<tr>
<td>CA10xxE150</td>
<td>Day/Night 700 TVL camera, exterior (w infrared, no audio), 75 ft harness - 29mm, 36mm, 16mm or 25mm</td>
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<td><strong>Camera IP - C3Q Interior Dome - Progressive Scan</strong></td>
<td>IP Camera, PoE, dome, white, 3MP progressive scan, interior, IR Day/Night, audio, 20 ft harness - to use w/TH8 or NH16 - 28mm or 4mm</td>
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<td>$492</td>
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<td>C3Q9PDxxA20</td>
<td>IP Camera, PoE, dome, white, 3MP progressive scan, interior, IR Day/Night, audio, 50 ft harness - to use w/TH8 or NH16 - 28mm or 4mm</td>
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<td>C3Q9PDxxA50</td>
<td>IP Camera, PoE, dome, white, 3MP progressive scan, interior, IR Day/Night, audio, 75 ft harness - to use w/TH8 or NH16 - 28mm or 4mm</td>
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<td>$528</td>
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<td>TH8POEKIT48</td>
<td>ASSY, POE KIT, 48V - (One Required Per C3 Camera (Max x2/TH8 DVR)</td>
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<td><strong>Camera IP - C3W Exterior Wedge - Progressive Scan</strong></td>
<td>IP Camera, PoE, wedge, 3MP progressive scan, exterior, IR Day/Night, audio, 20 ft harness - to use w/TH8 or NH16 - 28mm or 4mm</td>
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<tr>
<td>C3W9PDxxA20</td>
<td>IP Camera, PoE, wedge, 3MP progressive scan, exterior, IR Day/Night, audio, 20 ft harness - to use w/TH8 or NH16 - 28mm or 4mm</td>
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<td>$654</td>
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<tr>
<td>C3W9PDxxA75</td>
<td>IP Camera, PoE, wedge, 3MP progressive scan, exterior, IR Day/Night, audio, 20 ft harness - to use w/TH8 or NH16 - 28mm or 4mm</td>
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<td>$680</td>
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**VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS**

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<th>COMMENTS/NOTES</th>
<th>Price</th>
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<tr>
<td><strong>SEON CONTINUED</strong></td>
<td>ASSY, POE KIT, 48V - (One Required Per C3 Camera (Max x2/TH8 DVR)</td>
<td></td>
<td>$ 200</td>
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<tr>
<td><strong>Camera CJ Analog Dome Interior - NO IR</strong></td>
<td>Dome Day/Night 600TVL camera, audio, 20 ft harness (no infrared) - 29mm or 36mm</td>
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<td>$ 297</td>
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<tr>
<td>CJ9xxA20</td>
<td>Integrated IR Dome Day/Night 600TVL camera, audio, 50 ft harness (no infrared) - 29mm or 36mm</td>
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<td>$ 322</td>
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<tr>
<td>CJ902A20</td>
<td>Dome Day/Night 600TVL camera, audio, 20 ft harness - 25mm</td>
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<td>$ 317</td>
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<tr>
<td>CJ902A50</td>
<td>Dome Day/Night 600TVL camera, audio, 50 ft harness - 25mm</td>
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<td>$ 342</td>
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<tr>
<td>CJ902A75</td>
<td>Dome Day/Night 600TVL camera, audio, 75 ft harness - 25mm</td>
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<td>$ 368</td>
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<tr>
<td><strong>Camera CQ Analog Dome Interior - INFRARED</strong></td>
<td>Integrated IR Dome Day/Night 600TVL, audio, 20 ft harness - 29mm or 36mm</td>
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<td>$ 297</td>
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<td>CQ9xxA20</td>
<td>Integrated IR Dome Day/Night 600TVL, audio, 50 ft harness - 29mm or 36mm</td>
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<td>Integrated IR Dome Day/Night 600TVL camera, audio, 25mm lens, 75 ft harness - 25mm</td>
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<td><strong>Rear Vision Camera &amp; Monitor Options</strong></td>
<td>RVC400 Camera w/ 75 ft Weatherproof Harness</td>
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<td>RVC400E75</td>
<td>Rear Vision 7 Inch LCD Monitor and cables, for standalone use w/ an SD analog Camera, DVR/NVR w/ Expansion Port, or InView 360 Cables included, HE1HD for TH4/TH6/TH8/NH16/HX/NX/TL-HD</td>
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<td>RVM2</td>
<td>Rear Vision 7 Inch LCD Monitor, cables, and video splitter, for use w/ all DVR’s, no delay due to DVR/NVR boot up</td>
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<td><strong>Camera InView 360 Exterior System</strong></td>
<td>InView 360 Monitoring System (includes 1 front, 1 rear and 2 side cameras, 4 camera housings, 1 electronic control unit and associated cabling) - INCLUDES INSTALL</td>
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<td>SAV-INV360</td>
<td>Rear Vision 7 Inch LCD Monitor and cables, for standalone use w/ an SD analog Camera, DVR/NVR w/ Expansion Port, or InView 360/Fusion Cables included for TH4/TH6/HX/NX/TL-HD</td>
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<td><strong>Predictive Stop Arm Radar</strong></td>
<td>Predictive Stop Arm, 2 Radars, 2 Horns - INCLUDES INSTALL</td>
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<td>PSA2S</td>
<td>vMax Live+, LMU, PWR Harness, Signal Cable, GPS, Antenna, Activation Fee, Verizon Data, Health Check</td>
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<td>VLP-LMV1Y1</td>
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### VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

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<td>VLP-LMUV1</td>
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<td><strong>vMax Live Stream Video Hardware &amp; Vehicle Activation</strong></td>
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<td>SRC-MP70LTE-AWF</td>
<td>SmartReach Cellular Router Kit, MP70 w WiFi &amp; 4G LTE Advanced (HSPA+ fallback), Wiring, Antenna, No SIM, No DATA. Includes Live Video Streaming One Time Activation, per vehicle, no data (includes service up to 1 year - until anniversary date)</td>
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<td><strong>vMax Trac RFID Student Ridership &amp; Vehicle Activation</strong> (Must be integrated with Seon MDT or Seon LMU Live GPS Hardware)</td>
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<td>VML-MDT-STR1UY1</td>
<td>vMax Trac for Student Tracking w/ 1 year of service, operates w/ MDT or LMU Live GPS</td>
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<td>VLP-MULTI-STR1UY1</td>
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<td>VNAV-MDT</td>
<td>Navigator Mobile Data Terminal (MDT), including: Android OS, vMax Navigator application software, GPS input, USB port, Cellular modem” Includes Installation and Activation of cellular modem (per MDT cellular modem)</td>
<td>Includes Activation of cellular modem (per MDT cellular modem)</td>
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<td>VNAV-INSTKT</td>
<td>Navigator installation kit, Mounting pedestal, Power &amp; communication cable, GPS /Cellular antenna, GPS adapter cable, GPS extension cable, In-line fuse connectors for +ve &amp; ignition, Allen key and pedestal mounting screws, Stop Arm cable”</td>
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<td>CA-SASPACE R</td>
<td>SA to CA/CHW/HD1W/HD3W camera spacer</td>
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<td>FLSTC GPS</td>
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<td>FLSTC ENGD</td>
<td>JPOD</td>
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<td>FLSTC OP</td>
<td>Operator Panel and Kit</td>
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<td>FLSTC CT</td>
<td>Color Tablet and Kit (Tethered 7P)</td>
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Date and Signature:
## Video Camera / GPS / Technology Options

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<td>FLSTC BCR</td>
<td>Barcode Reader Kit (laser scan)</td>
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<td>FLSTC SLSGPS</td>
<td>Synovia Silverlining GPS Fleet Management Software - Annual License</td>
<td>Customer responsible for renewal</td>
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<tr>
<td>FLSTC SLSEGS</td>
<td>Synovia Silverlining Engine Diagnostics Software - Annual License</td>
<td>Customer responsible for renewal</td>
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<td><strong>Gatekeeper Systems</strong></td>
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<td>Y35 V2-1HD, 256GB</td>
<td>Y35 V2 with 1 hi-def camera, driver alert, 256GB SD card</td>
<td>15' camera harness included</td>
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<tr>
<td>Y35 V2-1HD, 2 x 128 GB</td>
<td>Y35 V2 with 1 hi-def camera, driver alert, 2 x 128 GB SD card</td>
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<td>Y35 HD-1HD, 500GB</td>
<td>Y35 with 1 hi-def camera, driver alert, 500GB hard drive</td>
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<td>Y58-1HD, 500GB</td>
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<td>508HD4a-1HD, 500GB</td>
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<td>8 HD Ch DVR, 500GB</td>
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<td>508HD2a</td>
<td>12 HD Ch DVR, 500GB</td>
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<td>Y62 DVR with 1 hi def camera and GPS</td>
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<td>Y62 1 Cam Kit &amp; Cell</td>
<td>Y62 DVR with 1 hi def camera, GPS and Cell</td>
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<td>G4-GPS B</td>
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<td>Rear Cable Cover</td>
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<td>S370 Camera</td>
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<td>Y62 camera</td>
<td>Y62 Interior facing camera with cable</td>
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<td>S31 Camera</td>
<td>S31 HD Camera</td>
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<td>S32 camera</td>
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<td>W21 camera</td>
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## VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

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<td>TXM700 camera</td>
<td>TXM700 Exterior HD Camera</td>
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<td>TXM12 Exterior HD Camera</td>
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<td>SD700 camera</td>
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<td>WA11 camera</td>
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<td>HD IP Windshield Camera</td>
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<td>SP25 IP Camera Kit</td>
<td>2 SP15 stop arm cameras with cables</td>
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<td>HD Exterior camera</td>
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<td>P2 Mount</td>
<td>Passenger Counter mount</td>
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INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.

Date and Signature:
# Video Camera / GPS / Technology Options

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<thead>
<tr>
<th>MANUF, MODEL</th>
<th>DESCRIPTION</th>
<th>COMMENTS/NOTES</th>
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<td>360° Mirror</td>
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<td>360° Set up kit</td>
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<td>Side view system</td>
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<td>External WIFI</td>
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<td>MWM Cell 4G Only</td>
<td>Cellular Only</td>
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## Video Camera / GPS / Technology Options

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<td>MWM 4G Cell + WiFi</td>
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<td>Cradlepoint</td>
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<td>C-MOBO12-A</td>
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<td>Z Pass+ (service, to enable hardware) - Annual Subscription</td>
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<td>Increased Logging (GPS ping rate) - Annual Subscription</td>
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Date and Signature:
## VENDOR: Matthews Bus Alliance, Inc.

### VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

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<td>C-MOB018-A</td>
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<td>C-MOB003-A</td>
<td>Zonar Logs - Annual Subscription</td>
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<td>C-MOB018-A</td>
<td>Zonar Docs - Annual Subscription</td>
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<td>GPS036-A</td>
<td>Fuel Transaction Matching - Annual Subscription</td>
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<td>OP001-A</td>
<td>OperatorID (service, to enable hardware) - Annual Subscription</td>
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<td>GPS020-A</td>
<td>Cummins Advanced Diagnostics - Annual Subscription</td>
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<td>GPS016-A</td>
<td>VT Advanced Diagnostics - Annual Subscription</td>
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<td>GPS041-A</td>
<td>ContiPressureCheck - ZFuel - Annual Subscription</td>
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| **Premium Add-On Solutions** |                                                  |                |       |
| C-MOB006-S     | Navigation app (requires tablet) - Annual Subscription |            | $110  |
| GPS023-S       | SafeStop (bus ETA app) - Annual Subscription      |                | $155  |
| EVIR001-S      | EVIR (service to enable hardware) - Annual Subscription |          | $110  |
| C-MOB023-S     | Zonar Verify - Annual Subscription                |                | $110  |
| Zonar Workflow | Zonar Workflow - Annual Subscription              |                | $110  |
| ACT004-S       | Cummins Connected Advisor - Annual Subscription   |                | N/C   |
| C-MOB025-S     | Zonar Coach Basic (no camera) - Annual Subscription |            | $155  |
| C-MOB026-S     | Zonar Coach - Annual Subscription                 |                | $260  |
| C-MOB026-E     | Zonar Coach Upgrade (from basic package) - Annual Subscription | | $110  |
| 3rd Party App  | 3rd party app service on tablet - Annual Subscription |            | $95   |
| GooglePlay App | Certified GooglePlay app (Tab Active2 only)       |                | $55   |
| Google Play Store Host | Google Play Store-Hosted App |               | $20   |

| **Hardware Devices** |                                                  |                |       |
| EVIR001-H        | 2010 EVIR (handheld device)                      |                | $280  |
| ZPASS001-H       | Z Pass kit (device, cables, and mount)           |                | $195  |
| 20123            | Zonar Coach Camera                               |                | $195  |
| V4001-H          | V4 TCU Kit (device, power cable, and mount)      | STD            | $1,095|
| C-MOB001-H       | Connect tablet kit (tablet, cable, and mount)    |                | $840  |
| V4015-H          | V4 + Connect kit (cables and mounts included)    |                | $1,095|
| E-MOB003-H       | Samsung Galaxy Tab Active2 kit (tablet, cables, case, and mount) | | $860  |
| V4021-H          | V4 + Samsung Tab Active2 (cables and mounts included) |            | $1,095|
| 20007            | Driver/Operator RFID Card                        |                | $6    |
| 30034            | Student RFID Card                                |                | $3    |

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<td><strong>ZONAR CONTINUED</strong></td>
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<td>V4 TCU + Samsung Tab Active2 kit - Annually</td>
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<td>E-MOB031-SB</td>
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<td>E-MOB037-SB</td>
<td>Tab Active 2 Open Bundled HW Only - Annually</td>
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<td>REI HD5 DVR SYSTEMS:</td>
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<td>HD5-600-2-500</td>
<td>6 CH HD5 DVR, 500GB Drive, 2 Cam, Cable kit, VMS software</td>
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<td>HD5-600W-2-500</td>
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<td>6 CH DVR w/ Cellular &amp; WiFi, 500GB Drive, 2 Cam, Cable kit, VMS software</td>
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<td>CAMS</td>
<td>Add additional AHD Cameras to DVR System (ea) -- Mini box, Wedge, Dome, windshield (1.7mm, 2.4mm, 2.8mm, 4.0mm, 6.0mm, 8.0mm)</td>
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<td>IPCAMS</td>
<td>Add IP Cameras to HD5 DVR System (ea)</td>
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<td>STOPCAMKIT</td>
<td>Stop Arm Camera Kit</td>
<td>$575</td>
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<td>1 TB HD</td>
<td>Upgrade to 1TB Hard Drive</td>
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<td>Upgrade to 2TB Hard Drive</td>
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<td>511986</td>
<td>Event Marker / Panic Button w/ 20FT Cable</td>
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<td>512209</td>
<td>20FT Vehicle Sensor Harness</td>
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<td>WiFi Dongle - HD5 DVR</td>
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<td>750364</td>
<td>End Cap Kit Front of HD5 DVR</td>
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<td>750363</td>
<td>End Cap Kit Rear of HD5 DVR</td>
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Date and Signature:
## REI CAMERA SYSTEMS CONTINUED

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### REI SD-300 DVR SYSTEM

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<td>3 CH DVR, SD-300 w/WiFi, 64GB SD, 2 Cam, Cable Kit, VMS Software</td>
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<td>Add 3rd Camera to SD-300 System - IP Eyeball Turret camera 2.8mm</td>
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<td>128SDUPGRADE</td>
<td>Upgrade to 128GB SD Card</td>
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<td>256SDUPGRADE</td>
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### 512SDUPGRADE
Upgrade to 512GB SD Card

### INDIVIDUAL COMPONENT PRICING:

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<tr>
<th>MANUF, MODEL</th>
<th>DESCRIPTION</th>
<th>COMMENTS/NOTES</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDIVCAM</td>
<td>All AHD Cameras-Mini box, Wedge, Dome, windshield (1.7mm, 2.4mm, 4mm, 6mm, 8mm, 16mm)</td>
<td></td>
<td>$385</td>
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<tr>
<td>INDIVIPCAM</td>
<td>All IP Cameras-(2.4mm, 4mm)</td>
<td></td>
<td>$550</td>
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<tr>
<td>512166/530165</td>
<td>7FT Cable, Camera to DVR, AHD or CAT6</td>
<td></td>
<td>$60</td>
</tr>
<tr>
<td>512167/530099</td>
<td>10FT Cable, Camera to DVR, AHD or CAT6</td>
<td></td>
<td>$65</td>
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<tr>
<td>512168/530166</td>
<td>25FT Cable, Camera to DVR, AHD or CAT6</td>
<td></td>
<td>$71</td>
</tr>
<tr>
<td>511966</td>
<td>25FT Cable, Camera to DVR, AHD</td>
<td></td>
<td>$71</td>
</tr>
<tr>
<td>512169/530167</td>
<td>40FT Cable, Camera to DVR, AHD or CAT6</td>
<td></td>
<td>$78</td>
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<tr>
<td>510993</td>
<td>50FT Cable, Camera to DVR, AHD</td>
<td></td>
<td>$85</td>
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<tr>
<td>512170/530168</td>
<td>Cable, Camera to DVR, 50FT AHD or 60FT CAT6</td>
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<td>$92</td>
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<tr>
<td>710638</td>
<td>500 GB Hard Drive for HD5 DVR</td>
<td></td>
<td>$775</td>
</tr>
<tr>
<td>710639</td>
<td>1 TB Hard Drive for HD5 DVR</td>
<td></td>
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</tr>
<tr>
<td>690695</td>
<td>64 GB SD Card</td>
<td></td>
<td>$189</td>
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<tr>
<td>690820</td>
<td>128 GB SD Card</td>
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<td>$230</td>
</tr>
<tr>
<td>690821</td>
<td>256 GB SD Card</td>
<td></td>
<td>$360</td>
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<tr>
<td>710607</td>
<td>HD5-600 DVR (6 Channel)</td>
<td></td>
<td>$1,400</td>
</tr>
<tr>
<td>710608</td>
<td>HD5-600W DVR (6 Channel with WiFi/GPS)</td>
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<td>$1,650</td>
</tr>
<tr>
<td>710609</td>
<td>HD5-1200W (12 Channel with WiFi/GPS)</td>
<td></td>
<td>$2,150</td>
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### SV-360HD SYS 4
SV-360HD SYS W/7" Monitor

### ANGELTRAX CAMERA SYSTEMS

<table>
<thead>
<tr>
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<th>COMMENTS/NOTES</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vulc V12-02 GPS</td>
<td>Bundle #1 Includes V12 DVR, (2) HD Camera, Passive GPS, all cables and wiring.</td>
<td></td>
<td>$2,256</td>
</tr>
<tr>
<td>Vulc V12-03 GPS</td>
<td>Bundle #2 Includes V12 DVR, (3) HD Camera, Passive GPS, all cables and wiring.</td>
<td></td>
<td>$2,558</td>
</tr>
<tr>
<td>Vulc V12-04a GPS</td>
<td>Bundle #3 Includes V12 DVR, (4) HD Camera, Passive GPS</td>
<td></td>
<td>$2,904</td>
</tr>
<tr>
<td>Vulc V12-04b GPS</td>
<td>Bundle #4 Includes V12 DVR, (4) HD Camera, Passive GPS</td>
<td></td>
<td>$2,912</td>
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Date and Signature:
## VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

<table>
<thead>
<tr>
<th>MANUFACTURER, MODEL</th>
<th>DESCRIPTION</th>
<th>COMMENTS/NOTES</th>
<th>PRICE</th>
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<tbody>
<tr>
<td><strong>ANGELTRAX CONTINUED</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Vulcan V12-05 GPS</td>
<td>Bundle #5 Includes V12 DVR, (5) HD Camera, Passive GPS</td>
<td></td>
<td>$3,257</td>
</tr>
<tr>
<td>Vulcan V12-06 GPS</td>
<td>Bundle #6 Includes V12 DVR, (6) HD Camera, Passive GPS</td>
<td></td>
<td>$3,569</td>
</tr>
<tr>
<td>Vulcan V12-07 GPS w/ 7&quot; Back up monitor</td>
<td>Bundle #7 Includes V12 DVR, (7 HD Camera, Back up Monitor and Passive GPS</td>
<td></td>
<td>$4,121</td>
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<tr>
<td><strong>AngelTrax MDVRs</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VULCANV5SD</td>
<td>AngelTrax MDVRs</td>
<td></td>
<td>$1,140</td>
</tr>
<tr>
<td>VULCANV5</td>
<td>AngelTrax MDVRs</td>
<td></td>
<td>$1,420</td>
</tr>
<tr>
<td>VULCANV6X3</td>
<td>AngelTrax MDVRs</td>
<td></td>
<td>$1,392</td>
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<tr>
<td>VULCANV12</td>
<td>AngelTrax MDVRs</td>
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<td>$1,630</td>
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<tr>
<td><strong>Hard Drive Upgrades</strong></td>
<td>*If upgrade is purchased at time of DVR purchase: Does NOT REQUIRE Tray</td>
<td></td>
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<tr>
<td>SSD500G-UPGRADE</td>
<td>500GB Solid-State Hard Drive</td>
<td></td>
<td>$400</td>
</tr>
<tr>
<td>SSD2TB-UPGRADE</td>
<td>2TB Solid-State Hard Drive</td>
<td></td>
<td>$1,100</td>
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<tr>
<td>SSD1TB-UPGRADE</td>
<td>1TB Solid-State Hard Drive</td>
<td></td>
<td>$730</td>
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<tr>
<td>HDD2TB-UPGRADE</td>
<td>2TB Platter Hard Drive</td>
<td></td>
<td>$740</td>
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<tr>
<td><strong>Spare Hard Drives</strong></td>
<td>*Requires purchase of applicable Hard Drive Tray</td>
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<tr>
<td>HDD1TB</td>
<td>1TB Platter Hard Drive</td>
<td>REQUIRES PURCHASE OF HARD DRIVE TRAY</td>
<td>$650</td>
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<tr>
<td>HDD2TB</td>
<td>2TB Platter Hard Drive</td>
<td>REQUIRES PURCHASE OF HARD DRIVE TRAY</td>
<td>$740</td>
</tr>
<tr>
<td>SSD256G</td>
<td>256GB Solid-State Hard Drive</td>
<td>REQUIRES PURCHASE OF HARD DRIVE TRAY</td>
<td>$785</td>
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</thead>
<tbody>
<tr>
<td>SSD500G</td>
<td>500GB Solid-State Hard Drive</td>
<td>REQUIRES PURCHASE OF HARD DRIVE TRAY</td>
<td>$825</td>
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<tr>
<td>SSD1TB</td>
<td>1TB Solid-State Hard Drive</td>
<td>REQUIRES PURCHASE OF HARD DRIVE TRAY</td>
<td>$1,205</td>
</tr>
<tr>
<td>SSD2TB</td>
<td>2TB Solid-State Hard Drive</td>
<td>REQUIRES PURCHASE OF HARD DRIVE TRAY</td>
<td>$2,085</td>
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**ANGELTRAX CONTINUED**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>SSD1TB</td>
<td>1TB Solid-State Hard Drive</td>
<td>REQUIRES PURCHASE OF HARD DRIVE TRAY</td>
<td>$1,205</td>
</tr>
<tr>
<td>SSD2TB</td>
<td>2TB Solid-State Hard Drive</td>
<td>REQUIRES PURCHASE OF HARD DRIVE TRAY</td>
<td>$2,085</td>
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**Hard Drive Trays *Required with purchase of Spare Hard Drive**

<table>
<thead>
<tr>
<th>MANUF, MODEL</th>
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<th>COMMENTS/NOTES</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>V5HDDTRAY</td>
<td>Hard Drive Tray for Vulcan Series V5 MDVR</td>
<td><strong>REQUIRES PURCHASE OF HARD DRIVE</strong></td>
<td>$124</td>
</tr>
<tr>
<td>V6X3HDDTRAY</td>
<td>Hard Drive Tray for Vulcan Series V5X3 and V6X3 MDVR</td>
<td><strong>REQUIRES PURCHASE OF HARD DRIVE</strong></td>
<td>$145</td>
</tr>
<tr>
<td>V12HDDTRAY</td>
<td>Hard Drive Tray for Vulcan Series V12 MDVR</td>
<td><strong>REQUIRES PURCHASE OF HARD DRIVE</strong></td>
<td>$159</td>
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</table>

**SD Card for Backup Video**

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<tr>
<th>MANUF, MODEL</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>SD128GB</td>
<td>128GB SD Solid-State Memory Card</td>
<td>$262</td>
</tr>
<tr>
<td>SD256GB</td>
<td>256GB SD Solid-State Memory Card</td>
<td>$374</td>
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<tr>
<td>SD512GB</td>
<td>512GB SD Solid-State Memory Card</td>
<td>$549</td>
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**GPS / Tracking / Mapping/GForce Options**

<table>
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<tr>
<th>MANUF, MODEL</th>
<th>DESCRIPTION</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPSV1</td>
<td>Vulcan Series Passive GPS Antenna</td>
<td>$275</td>
</tr>
<tr>
<td>WC4G</td>
<td>Vulcan Series Wi-Fi Cellular GPS Tri-Mode Antenna, Wi-Fi, Cellular and Passive GPS Antenna, Roof-Mounted</td>
<td>$600</td>
</tr>
<tr>
<td>TRIMDANT</td>
<td>Tri-Mode Roof-Mounted Antenna, Wi-Fi, Cellular and Passive GPS Antenna, Roof-Mounted</td>
<td>$652</td>
</tr>
<tr>
<td>VULVSM</td>
<td>Vulcan Series External GPS Virtual Synchronized Mapping Module, TO INCLUDE GPSV1 ANTENNA &amp; VSMLIC, Compatibility with Vulcan HCMNVRs requires purchase of IPVULVSM, Compatible as is with all Vulcan MDVRs</td>
<td>$720</td>
</tr>
<tr>
<td>VULWIFIM</td>
<td>Vulcan V5SD Wi-Fi Module with Internal Antenna Wire</td>
<td>$450</td>
</tr>
<tr>
<td>GFORCE-5</td>
<td>Three axis G-Force inertia sensor that measures impact on three axes and marks recorded footage.</td>
<td>$427</td>
</tr>
</tbody>
</table>

**Back-up Monitor AND Back-up Camera / Cable**

<table>
<thead>
<tr>
<th>MANUF, MODEL</th>
<th>DESCRIPTION</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP4</td>
<td>Vulcan Series Touchscreen Backing &amp; Firmware Control Monitor with Bracket. *Req. for programming Vulcan MDVR and HCNVR systems</td>
<td>$265</td>
</tr>
<tr>
<td>CP4-9CBL</td>
<td>9M CP4 Extension Cable for Vulcan Series MDVRs and HCNVRs</td>
<td>$59</td>
</tr>
<tr>
<td>HD2500V</td>
<td>Vulcan Series Anvil 2500 HD Low Profile Camera, 2.5mm Lens with 360-Degree Articulating Lens Casing for Image Orientation, IP68 Rated Waterproof Interior/Exterior Camera, 1080P HD, 3 Megapixels, Noise-Gated Microphone, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass, Lens Cover, Infrared</td>
<td>$375</td>
</tr>
</tbody>
</table>

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Date and Signature:
# VENDOR: Matthews Bus Alliance, Inc.

## VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

<table>
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<tr>
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<th>COMMENTS/NOTES</th>
<th>Price</th>
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<tbody>
<tr>
<td><strong>ANGELTRAX CONTINUED</strong></td>
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<td></td>
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<tr>
<td>RAMSHSD</td>
<td>RAM Short Stud 1/4-20</td>
<td></td>
<td>$14</td>
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<tr>
<td>RAMLGARM</td>
<td>RAM Long Arm</td>
<td></td>
<td>$32</td>
</tr>
<tr>
<td>RAMBAPLT</td>
<td>RAM Base Plate</td>
<td></td>
<td>$13</td>
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### Auto Detection Stop Arm Camera System - No Driver interaction required.

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<tr>
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<th>DESCRIPTION</th>
<th>COMMENTS/NOTES</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAV5MP</td>
<td>Vulcan Series IntelliGuard Dual SMP Automated Stop Arm Violation System Includes (3) HD Cameras: (1) Violation Detection Camera + (2) 5MP Cameras for License Plate Capture, IP68 Rated Waterproof Exterior Cameras, 1080P HD, 2.12 Megapixels, Super Infrared, Anti-Vibration, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Polarized Glass Lens Cover</td>
<td></td>
<td>$1,700</td>
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<tr>
<td>HD18CBL</td>
<td>59.06 ft. HD Camera Cable</td>
<td></td>
<td>$81</td>
</tr>
<tr>
<td>HD3600V</td>
<td>Vulcan Series Anvil 3600 HD Low Profile Camera For use as overview camera to capture available facial recognition of the driver. 3.6mm Lens with 360-Degree Articulating Lens Casing for Image Orientation, IP68 Rated Waterproof Interior/Exterior Camera, 1080P HD, 3 Megapixels, Noise-Gated Microphone, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover, Infrared, For use in school bus SAV applications as overview camera when equipped with YELHS1 yellow housing</td>
<td></td>
<td>$382</td>
</tr>
<tr>
<td>YELHS1</td>
<td>Yellow Housing for HD3600V Camera, Includes mounting plate, Housing only, camera not included</td>
<td></td>
<td>$56</td>
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### Manual Detection Stop Arm Camera System - Driver interaction is required to press the event button to tag the video.

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<thead>
<tr>
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<th>COMMENTS/NOTES</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>HDLP5MP-R</td>
<td>Vulcan Series High-Definition SMP Right Side SAV Camera, 16mm Lens, IP68 Rated Waterproof Exterior Camera, 1080P HD, 5 Megapixels, 25-Degree Vertical Angle Adjustable at Installation, Super Infrared, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Polarized Glass Lens Cover, Designed to Capture License Plates as Vehicles Pass By, Mounted on the Right Side of the Stop Arm and Faces the Rear of the Bus</td>
<td></td>
<td>$512</td>
</tr>
<tr>
<td>HDLP5MP-L</td>
<td>Vulcan Series High-Definition SMP Left Side SAV Camera, 16mm Lens, IP68 Rated Waterproof Exterior Camera, 1080P HD, 5 Megapixels, 25-Degree Vertical Angle Adjustable at Installation, Super Infrared, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Polarized Glass Lens Cover, Designed to Capture License Plates as Vehicles Pass By, Mounted on the Left Side of the Stop Arm and Faces the Front of the Bus</td>
<td></td>
<td>$512</td>
</tr>
<tr>
<td>HD3600V</td>
<td>Vulcan Series Anvil 3600 HD Low Profile Camera For use as overview camera to capture available facial recognition of the driver. 3.6mm Lens with 360-Degree Articulating Lens Casing for Image Orientation, IP68 Rated Waterproof Interior/Exterior Camera, 1080P HD, 3 Megapixels, Noise-Gated Microphone, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover, Infrared, For use in school bus SAV applications as overview camera when equipped with YELHS1 yellow housing</td>
<td></td>
<td>$407</td>
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<tbody>
<tr>
<td><strong>ANGELTRAX CONTINUED</strong></td>
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<td></td>
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</tr>
<tr>
<td><strong>HD Series Cameras</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HDWS3600</td>
<td>Vulcan Series HDWS3600 1080P Windshield Camera. 3.6mm Lens with Adjustable Angle Lens Casing, Windshield Mounted for Exterior View, 1080P HD, 2.13 Megapixels, Noise-Gated Microphone, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover</td>
<td></td>
<td>$ 424</td>
</tr>
<tr>
<td>HDCOPILOT CAM</td>
<td>High-Definition 2.1mm 1080P Dual Windshield Camera. 2.1mm Lens (Each Camera), Windshield Mounted, 125-Degree Wide-Angle View of Vehicle Interior and Through Windshield, 1080P HD, Recorded in 2.12MP Resolution, Noise-Gated Microphone, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover, Infrared (Interior Camera Only)</td>
<td></td>
<td>$ 529</td>
</tr>
<tr>
<td>HD8000V</td>
<td>Vulcan Series Anvil 8000 HD Low Profile Camera. 8mm Lens with 360-Degree Articulating Lens Casing for Image Orientation, IP68 Rated Waterproof Interior/Exterior Camera, 1080P HD, 3 Megapixels, Infrared, Noise-Gated Microphone, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover</td>
<td></td>
<td>$ 382</td>
</tr>
<tr>
<td>HD6000V</td>
<td>Vulcan Series Anvil 6000 HD Low Profile Camera. 6mm Lens with 360-Degree Articulating Lens Casing for Image Orientation, IP68 Rated Waterproof Interior/Exterior Camera, 1080P HD, 3 Megapixels, Noise-Gated Microphone, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover</td>
<td></td>
<td>$ 382</td>
</tr>
<tr>
<td>HD3600V</td>
<td>Vulcan Series Anvil 3600 HD Low Profile Camera. 3.6mm Lens with 360-Degree Articulating Lens Casing for Image Orientation, IP68 Rated Waterproof Interior/Exterior Camera, 1080P HD, 3 Megapixels, Noise-Gated Microphone, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover, Infrared, For use in school bus SAV applications as overview camera when equipped with YELHS1 yellow housing</td>
<td></td>
<td>$ 382</td>
</tr>
<tr>
<td>HD2500V</td>
<td>Vulcan Series Anvil 2500 HD Low Profile Camera. 2.5mm Lens with 360-Degree Articulating Lens Casing for Image Orientation, IP68 Rated Waterproof Interior/Exterior Camera, 1080P HD, Infrared, 3 Megapixels, 3 Megapixels, Noise-Gated Microphone, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover</td>
<td></td>
<td>$ 382</td>
</tr>
<tr>
<td>HD2100V</td>
<td>Vulcan Series Anvil 2100 HD Low Profile Camera. 2.1mm Lens with 360-Degree Articulating Lens Casing for Image Orientation, IP68 Rated Waterproof Interior/Exterior Camera, 1080P HD, 3 Megapixels, Noise-Gated Microphone, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover, Infrared</td>
<td></td>
<td>$ 382</td>
</tr>
<tr>
<td>HD1700V</td>
<td>Vulcan Series Anvil 170-Degree HD 1080P Low Profile Camera. 1.7mm Lens with 360-Degree, Articulating Lens Casing for Image Orientation, IP68 Rated Waterproof Interior/Exterior Camera, 1080P HD, 2.12 Megapixels, Noise-Gated Microphone, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover, Infrared</td>
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<td>$ 403</td>
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## VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

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### ANGELTRAX CONTINUED

#### IP Series Cameras  *Requires Purchase of RJ45PTCONV cable*

<table>
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<tr>
<th>MANUF, MODEL</th>
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<tbody>
<tr>
<td>IPX8000</td>
<td>Vulcan HC Series Anvil 8000 IP Camera. 8.0mm Lens, Adjustable Lens Housing for Mounting on Either Side of Vehicle, IP67 Rated Waterproof Exterior Camera, 1080P Resolution, 2 Megapixels, Anti-Vibration, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover, Super Infrared</td>
<td>$473</td>
<td></td>
</tr>
<tr>
<td>IPX6000</td>
<td>Vulcan HC Series Anvil 6000 IP Camera. 6.0mm Lens, Adjustable Lens Housing for Mounting on Either Side of Vehicle, IP67 Rated Waterproof Exterior Camera, 1080P Resolution, 2 Megapixels, Anti-Vibration, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover, Super Infrared</td>
<td>$473</td>
<td></td>
</tr>
<tr>
<td>IPX4000</td>
<td>Vulcan HC Series Anvil 4000 IP Camera. 4.0mm Lens, Adjustable Lens Housing for Mounting on Either Side of Vehicle, IP67 Rated Waterproof Exterior Camera, 1080P Resolution, 2 Megapixels, Anti-Vibration, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover, Super Infrared</td>
<td>$473</td>
<td></td>
</tr>
<tr>
<td>IPWS4000</td>
<td>Vulcan HC Series IPWS4000 IP Windshield Camera. 4.0mm Lens with Adjustable Angle Lens Casing, Windshield Mounted for Exterior View, 1080P HD, 2 Megapixels, Noise-Gated Microphone, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover</td>
<td>$424</td>
<td></td>
</tr>
<tr>
<td>IPI4000</td>
<td>Vulcan HC Series Anvil 4000 IP Camera. 4.0mm Lens with Fully Articulated Lens Casing, Interior Camera, 1080P HD, 2 Megapixels, Noise-Gated Microphone, Anti-Vibration, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover, Infrared</td>
<td>$424</td>
<td></td>
</tr>
<tr>
<td>IPI2500</td>
<td>Vulcan HC Series Anvil 2500 IP Camera. 2.5mm Lens with Fully Articulated Lens Casing, Interior Camera, 1080P HD, 2 Megapixels, Noise-Gated Microphone, Anti-Vibration, Vandal-Resistant Casing, Scratch-Resistant, Anti-Glare Glass Lens Cover, Infrared</td>
<td>$424</td>
<td></td>
</tr>
</tbody>
</table>

#### Readers  *(1) Reader is provided per order for every 25 DVRs at no cost. Add'l Readers may be purchased*

<table>
<thead>
<tr>
<th>MANUF, MODEL</th>
<th>DESCRIPTION</th>
<th>COMMENTS/NOTES</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>VULSECKEY</td>
<td>Security Key USB 3.0 for Vulcan Series HCNVRs, VS, VSX3, &amp; V6X3 MDVRs</td>
<td>$93</td>
<td></td>
</tr>
<tr>
<td>V12SECKEY</td>
<td>Security Key USB 3.0 for Vulcan V12 MDVR</td>
<td>$93</td>
<td></td>
</tr>
</tbody>
</table>
| IBR600LP4    | 3G/4G Verizon Cellular Modem with Wi-Fi  
- Built-in air card, Provides connectivity through cellular towers and mobile networks  
- Provides Wi-Fi to onboard passengers  
- External module attached via RJ45 cable to the RJ45 port  
- Includes POWL031 power cable | $780 |
| IBR600LPE    | 3G/4G Sprint Cellular Modem with Wi-Fi  
- Built-in air card, Provides connectivity through cellular towers and mobile networks  
- Provides Wi-Fi to onboard passengers  
- External module attached via RJ45 cable to the RJ45 port  
- Includes POWL031 power cable | $940 |

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<thead>
<tr>
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<th>DESCRIPTION</th>
<th>COMMENTS/NOTES</th>
<th>Price</th>
</tr>
</thead>
</table>
| ANGELTRAX CONTINUED | IBR650C-LPE-SP | 3G/4G Sprint Cellular Modem  
- Built-in air card, Provides connectivity through cellular towers and mobile networks  
- External module attached via RJ45 cable to the RJ45 port  
- Includes POWL031 power cable | $ 910 |
| | IBR650LP4 | 3G/4G Verizon Cellular Modem  
- Built-in air card  
- Provides connectivity through cellular towers and mobile networks  
- External module attached via RJ45 cable to the RJ45 port  
- Includes POWL031 power cable | $ 610 |
| SI4GM | Sierra 4G Wireless Cellular Modem, To include AT&T SIM Card | | $ 502 |
| DVR240MPC-HC | Main Power Cable | | $ 40 |
| AVCT001 | Power Converter Cable for Pre-Vulcan HD MDVR to Vulcan Series MDVR | | $ 30 |
| IPCLANCBL | Required For V5 only - Vulcan | | $ 30 |
| Misc Equipment / Parts | RJ45PTCONV | Converter Cable for IP Camera from DIN to RJ45 for Vulcan HC Series | | $ 35 |
| | IPANEL1 | LED Pre-Trip Inspection Module for Vulcan Series MDVRs and HCNVRs | | $ 80 |
| | EASYCK1 | Firmware Upgrade Tool For Vulcan Series MDVRs and HCNVRs | | $ 60 |
| | 4IPBOX | IP 4 Camera Hub for Vulcan Series V12 MDVR and V16HCNVR - To include CAT5 cable | | $ 120 |
| | VULMSB | Vulcan MDVR Motion Sensor | | $ 90 |
| | VULBR100 | Windshield Mounting Bracket for Vulcan Series HD-V Cameras | | $ 45 |
| | VULMCMC | Vulcan MDVR Motion Sensor Control Box & Motion Sensor | | $ 180 |

**SAFETY VISION**

All Systems are sold as complete kits. Systems include HVR, Storage, Power Harness, Sensor Harness, Panic Button, GPS, Camera(s), Additional Optional

**Parts for the Observer4000**

<table>
<thead>
<tr>
<th>Parts</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL-SV-4000-512GB-1Cam</td>
<td>Observer 4000-5 Channel HVR (4AHD, 1IP) 512GB SD Card (2 x 256GB), 1-Cam 720p</td>
<td>$ 2,132</td>
</tr>
<tr>
<td>FL-SV-4000-512GB-2Cam</td>
<td>Observer 4000-5 Channel HVR (4AHD, 1IP) 512GB SD Card (2 x 256GB), 2-Cam 720p</td>
<td>$ 2,283</td>
</tr>
<tr>
<td>FL-SV-4000-512GB-3Cam</td>
<td>Observer 4000-5 Channel HVR (4AHD, 1IP) 512GB SD Card (2 x 256GB), 3-Cam 720p</td>
<td>$ 2,434</td>
</tr>
<tr>
<td>FL-SV-4000-512GB-4Cam</td>
<td>Observer 4000-5 Channel HVR (4AHD, 1IP) 512GB SD Card (2 x 256GB), 4-Cam 720p</td>
<td>$ 2,595</td>
</tr>
</tbody>
</table>

**Additional Optional Parts for the Observer4000**

<table>
<thead>
<tr>
<th>Parts</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL-SV-DXAP</td>
<td>Wireless Diagnostic Tool - Portable Wifi to view HVR setup with iPhone/iPad/Android/Laptop</td>
<td>$ 639</td>
</tr>
<tr>
<td>FL-SV-Synovia-Kit 4000</td>
<td>Synovia Integration Hardware Kit</td>
<td>$ 629</td>
</tr>
<tr>
<td>FL-SV-4000HVR-ACC-KIT</td>
<td>Accelerometer</td>
<td>$ 629</td>
</tr>
<tr>
<td>FL-GeoTab 4000</td>
<td>GeoTab - Driver Safety &amp; Improvement, Engine Diagnostic, Telmatics, Route Integration</td>
<td>$ 699</td>
</tr>
</tbody>
</table>

INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.

Date and Signature:
## VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

<table>
<thead>
<tr>
<th>MANUF, MODEL</th>
<th>DESCRIPTION</th>
<th>COMMENTS/NOTES</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SAFETY VISION CONTINUED</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FL-GeoTab Service 4000</td>
<td>GeoTab - Service (Annual Subscription Service/Bus)</td>
<td></td>
<td>$ 848</td>
</tr>
<tr>
<td>All Systems are sold as complete kits. Systems include HVR, Storage, Power Harness, Sensor Harness, Panic Button, GPS, Accelerometer, UBS Battery Back-Up</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wifi Ready, Camera(s), cables, mounting bracket, Viewing Software, 3 Year Warranty, Lifetime Tech Support &amp; Firmware Updates, Hard Drive Reader.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FL-SV-4112-2TB-4CAM</td>
<td>Observer 412-12 Channel HVR (8HD, 4IP) 2TB HD, 4-Cam 1080p</td>
<td></td>
<td>$ 3,000</td>
</tr>
<tr>
<td>FL-SV-4112-2TB-5CAM</td>
<td>Observer 412-12 Channel HVR (8HD, 4IP) 2TB HD, 5-Cam 1080p</td>
<td></td>
<td>$ 3,140</td>
</tr>
<tr>
<td>FL-SV-4112-2TB-6CAM</td>
<td>Observer 412-12 Channel HVR (8HD, 4IP) 2TB HD, 6-Cam 1080p</td>
<td></td>
<td>$ 3,269</td>
</tr>
<tr>
<td>FL-SV-4112-2TB-7CAM</td>
<td>Observer 412-12 Channel HVR (8HD, 4IP) 2TB HD, 7-Cam 1080p</td>
<td></td>
<td>$ 3,574</td>
</tr>
<tr>
<td>FL-SV-4112-2TB-8CAM</td>
<td>Observer 412-12 Channel HVR (8HD, 4IP) 2TB HD, 8-Cam 1080p</td>
<td></td>
<td>$ 3,769</td>
</tr>
<tr>
<td><strong>Additional Optional Parts for the Observer 4112</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FL-41-ANT-FEMALE</td>
<td>Wi-Fi Antenna when utilizing built in Wi-Fi</td>
<td></td>
<td>$ 290</td>
</tr>
<tr>
<td>FL-SV-WIFICELL4-KT</td>
<td>Wi-Fi/Cell Modem (For Large Fleets over 15 units per AP)</td>
<td></td>
<td>$ 1,194</td>
</tr>
<tr>
<td>FL-SV-WIFI-MOXKIT-B</td>
<td>Standard Moxa Wi-Fi Kit (For Large Fleets over 15 units per AP)</td>
<td></td>
<td>$ 1,194</td>
</tr>
<tr>
<td>FL-SV-MC-630A-KIT</td>
<td>Rear View Camera External w/ Cable</td>
<td></td>
<td>$ 714</td>
</tr>
<tr>
<td>FL-SB-TVMTOTAL</td>
<td>School Bus Total View System (Mirror Monitor &amp; Total View Camera Kit)</td>
<td></td>
<td>$ 2,064</td>
</tr>
<tr>
<td>FL-SV-DXAP</td>
<td>Wireless Diagnostic Tool - Portable Wifi to view HVR setup with iPhone/iPad/Android/Laptop</td>
<td></td>
<td>$ 639</td>
</tr>
<tr>
<td>FL-SV-Synovia-Kit 4112</td>
<td>Synovia Integration Hardware Kit</td>
<td></td>
<td>$ 629</td>
</tr>
<tr>
<td>FL-GeoTab Service 4112</td>
<td>GeoTab ProPlus Service (Annual Subscription Service/Bus)</td>
<td></td>
<td>$ 848</td>
</tr>
<tr>
<td><strong>PRO-VISION, INC.</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DVR-808CD-64</td>
<td>16 channel, 1080P High Def Solid State DVR, Passive GPS, (No Camera Included)</td>
<td></td>
<td>$ 1,500</td>
</tr>
<tr>
<td>DVR-808S-64</td>
<td>16 channel, 1080P High Def Solid State DVR, 1 Wide Angle 1080P HD Camera, GPS</td>
<td></td>
<td>$ 1,775</td>
</tr>
<tr>
<td>DVR-808M-64</td>
<td>16 channel, 1080P High Def Solid State DVR, 1 Wide Angle 1080P HD Mini Dome Camera, GPS</td>
<td></td>
<td>$ 1,960</td>
</tr>
<tr>
<td>DVR-808S-4G-64</td>
<td>16 channel, 1080P HD Solid State DVR, 4G Ready 1 Wide Angle 1080P HD Camera, GPS</td>
<td></td>
<td>$ 2,095</td>
</tr>
<tr>
<td>DVR-808M-4G-256</td>
<td>16 channel, 1080P HD Solid State DVR, 4G Ready 1 Wide Angle 1080P HD Camera, GPS, 256gb</td>
<td></td>
<td>$ 2,515</td>
</tr>
<tr>
<td>DVR-808SA</td>
<td>Stop Arm Camera Package. 1080P HD DVR, Dual Stop-Arm Camera, Wireless File Transfer</td>
<td></td>
<td>$ 2,449</td>
</tr>
<tr>
<td>DR-200</td>
<td>3 channel, 1080P High Def Solid State DVR, Dual Facing 1080P HD Cameras, Passive GPS</td>
<td></td>
<td>$ 1,545</td>
</tr>
<tr>
<td>DR-200-64</td>
<td>3 channel, 1080P High Def Solid State DVR, Dual Facing 1080P HD Cameras, Passive GPS</td>
<td></td>
<td>$ 1,570</td>
</tr>
<tr>
<td>DR-200-4G-64</td>
<td>3 channel, 1080P High Def Solid State DVR, Dual Facing 1080P HD Cameras, Passive GPS, 4G Ready</td>
<td></td>
<td>$ 1,820</td>
</tr>
<tr>
<td>DVR-810</td>
<td>Pro-Vision 1080P High Definition Dome Camera</td>
<td></td>
<td>$ 530</td>
</tr>
<tr>
<td>DVR-813</td>
<td>Pro-Vision 1080P High Definition Dash Camera</td>
<td></td>
<td>$ 565</td>
</tr>
<tr>
<td>DVR-814</td>
<td>Pro-Vision 1080P High Definition Exterior Side mounted Camera</td>
<td></td>
<td>$ 670</td>
</tr>
<tr>
<td>DVR-816</td>
<td>Pro-Vision 1080P High Definition Exterior Rear mounted Camera</td>
<td></td>
<td>$ 670</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>MANUF, MODEL</th>
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<th>COMMENTS/NOTES</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVR-818</td>
<td>Pro-Vision 1080P High Definition 180° Interior Wide Angle Camera</td>
<td></td>
<td>$530</td>
</tr>
<tr>
<td>DVR-820</td>
<td>1080P High Definition Exterior Wide Angle Low Profile Camera</td>
<td></td>
<td>$620</td>
</tr>
<tr>
<td>DVR-821</td>
<td>1080P High Definition Interior Wide Angle Mini Dome Camera</td>
<td></td>
<td>$710</td>
</tr>
<tr>
<td>DVR-824</td>
<td>1080P High Definition Dual Facing Stop-Arm Camera</td>
<td></td>
<td>$1,045</td>
</tr>
<tr>
<td>PLE-1810</td>
<td>Additional Trigger Package</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PX-1843</td>
<td>30’ Camera Cable</td>
<td></td>
<td>$120</td>
</tr>
<tr>
<td>DVR-718</td>
<td>64gb SDXC Card, Compatible with System</td>
<td></td>
<td>$189</td>
</tr>
<tr>
<td>DVR-728</td>
<td>128gb SDXC Card, Compatible with System</td>
<td></td>
<td>$209</td>
</tr>
<tr>
<td>PLE-1810</td>
<td>Additional Trigger Package</td>
<td></td>
<td>$139</td>
</tr>
<tr>
<td>PX-1843</td>
<td>30’ Camera Cable</td>
<td></td>
<td>$120</td>
</tr>
<tr>
<td>DVR-718</td>
<td>64gb SDXC Card, Compatible with System</td>
<td></td>
<td>$189</td>
</tr>
<tr>
<td>DVR-728</td>
<td>128gb SDXC Card, Compatible with System</td>
<td></td>
<td>$209</td>
</tr>
<tr>
<td>DVR-738</td>
<td>256gb SDXC Card, Compatible with System</td>
<td></td>
<td>$470</td>
</tr>
<tr>
<td>DVR-730</td>
<td>500gb Solid State Drive, Compatible with System</td>
<td></td>
<td>$825</td>
</tr>
<tr>
<td>DVR-831</td>
<td>1TB Solid State Drive, Compatible with System</td>
<td></td>
<td>$995</td>
</tr>
<tr>
<td>DVR-832</td>
<td>2TB Solid State Drive, Compatible with System</td>
<td></td>
<td>$1,395</td>
</tr>
<tr>
<td>DVR-834</td>
<td>4TB Solid State Drive, Compatible with System</td>
<td></td>
<td>$2,095</td>
</tr>
<tr>
<td>DVR-838</td>
<td>Automatic Wireless File Transfer Software</td>
<td></td>
<td>$445</td>
</tr>
<tr>
<td>TV-205A</td>
<td>Back up Camera Kit with 5” LCD Monitor / Night Vision and Audio</td>
<td></td>
<td>$1,469</td>
</tr>
<tr>
<td>TV-505A</td>
<td>Back up Camera Kit with 7” LCD Monitor / Night Vision and Audio</td>
<td></td>
<td>$1,515</td>
</tr>
<tr>
<td>PC-1881</td>
<td>Flush Mount Bracket</td>
<td></td>
<td>$125</td>
</tr>
<tr>
<td>DVR-750</td>
<td>GPS Module</td>
<td></td>
<td>$495</td>
</tr>
<tr>
<td>DVR-710</td>
<td>Enhanced Event Marker Button</td>
<td></td>
<td>$198</td>
</tr>
<tr>
<td>DR-230</td>
<td>Wireless File Transfer Software for Drive Recorder</td>
<td></td>
<td>$405</td>
</tr>
</tbody>
</table>

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Date and Signature:
<table>
<thead>
<tr>
<th>BIDDERS NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B7b: IMMI Child Safety Seat</strong></td>
</tr>
<tr>
<td>IMMI ICS seating options will reduce seating capacity in some configurations due to seat spacing and ISO latch spacing requirements.</td>
</tr>
</tbody>
</table>

| **B18: Underseat Rear Heater Option** |
| Heater’s location and size (40,000 BTU rear wall mount) may be only possible location for the rear heater. |

| **B21: Driver’s Seat with Integrated Seat Belt** |
| This may reduce the passenger capacity due to spacing requirements. |

| **C4: 100 Gallon Fuel Tank** |
| May require option C10 (Air Ride Suspension) on some Type C configurations. 100 gallon tank may affect availability of pass thru luggage on some rear engine models. Please consult dealer. Only available on 65-77 passenger units. |

**Cummins EXC Warranty includes complete engine coverage including EGR components and turbo injectors**

**RIFLED AIR CONDITIONING SYSTEM INFO**

The following systems come with a 5yr limited warranty w/unlimited mileage and 270 amp alternator. Not available on Propane Engines.

<table>
<thead>
<tr>
<th>System A</th>
<th>System B</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAC-BH1141</td>
<td>RAC-BH1122</td>
</tr>
</tbody>
</table>

The following systems include a 6yr warranty w/unlimited mileage and 270 amp alternator. Not available on propane engines.

<table>
<thead>
<tr>
<th>System A</th>
<th>System B</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAC-BH2241</td>
<td>RAC-BH2233</td>
</tr>
</tbody>
</table>

The following systems include a 5yr warranty from RAC/ACT. Not available on propane engines.

<table>
<thead>
<tr>
<th>System A</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAC-EFBH12241</td>
</tr>
</tbody>
</table>

For a tie-in dash AC system on C2 29-77 passenger, there is no deduct in price and has a 5 year standard warranty. BTU rating 120,000.

**TM-43 Compressor my not be available on Detroit DDS or CNG. Contact MBA Sales Coordinator for availability. Not available on Propane engines.**

The following system includes a 5yr warranty from Transarctic. Not available on CNG, Detroit propane engines.

<table>
<thead>
<tr>
<th>System A</th>
<th>Dual QP25 Compressors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transarctic C240</td>
<td></td>
</tr>
</tbody>
</table>

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Date and Signature:
PI 8.0-LPG V8. 339HP/495 Torque, Propane Engine comes with a 270 amp alternator and MCC Air on Type C buses.

<table>
<thead>
<tr>
<th>S.T.A.R.S. Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>*At the time of this bid opening, S.T.A.R.S. Mounting System is only available on Lift equipped buses and ONLY available in Non-Lift Buses over heater locations. However, we expect S.T.A.R.S Mounting to be available in other locations during this bid period. Thus, We will notify FLDOE and County districts when S.T.A.R.S Mounting is available in these other locations. Additional tie downs beyond the STD W/C positions must be ordered thru parts department.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DD5 Engine HP and Torque Info Per Configuration:</th>
</tr>
</thead>
<tbody>
<tr>
<td>29 - 47 Passenger Units have 220HP/560 lb ft</td>
</tr>
<tr>
<td>65 - 71 Passenger Units have 220HP/560 lb ft</td>
</tr>
<tr>
<td>77 Passenger Units have 240HP/660 lb ft</td>
</tr>
</tbody>
</table>

Vanner Revolution System w/ Electric Compressor may not be available for all Type C sizes. Must also order appropriate RAC system in addition. Includes RAC Compressor deduct. Contact Sales Coordinator for availably.

INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.

Date and Signature:
## Detroit Diesel Extended Warranty Information:

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Part Description</th>
<th>Part Description</th>
<th>Part Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Inlet Manifold</td>
<td>Cylinder Liner</td>
<td>Main Bearing Bolts</td>
<td>Valves (exhaust, intake)</td>
</tr>
<tr>
<td>Air Intake Throttle Valve</td>
<td>EGR System</td>
<td>Main Bearings</td>
<td>Valve Springs, Guides, Inserts</td>
</tr>
<tr>
<td>Alternator Bracket*</td>
<td>Engine-Mounted Sensors</td>
<td>MCM/CPC</td>
<td>Vibration Pump (excl. water pump seal)</td>
</tr>
<tr>
<td>Belt Tensioner</td>
<td>Exhaust Manifold &amp; Bellows</td>
<td>Oil Cooler, Housing &amp; Gaskets</td>
<td></td>
</tr>
<tr>
<td>Camshaft Assembly (Inc. seats)</td>
<td>Fan Support Assembly</td>
<td>Oil Pan &amp; Seals</td>
<td></td>
</tr>
<tr>
<td>Cold Pipe Assembly</td>
<td>Flywheel, Housing &amp; Gasket</td>
<td>Oil Press REG &amp; Relief Valves</td>
<td></td>
</tr>
<tr>
<td>Connecting Rod, Bearings &amp; Bolt: Fuel Filter Housing</td>
<td>Gear Case</td>
<td>Rocker Arm Assembly</td>
<td></td>
</tr>
<tr>
<td>Cooler Inlet Pipe</td>
<td>Gear Train/Timing Case Gasket</td>
<td>Rocker Cover &amp; Seals</td>
<td></td>
</tr>
<tr>
<td>Crankcase Breather Oil Separator Gear Train</td>
<td>High Pressure Fuel System &amp; Lines</td>
<td>Thermostat Housing &amp; Gasket</td>
<td></td>
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## Bidders Notes

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<td>Def Pump/Metering Unit/Injection Un Hydrocarbon Metering Unit</td>
<td>Aftertreatment Nox Sensors</td>
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<td>Brackets &amp; Clamps</td>
<td>Hydrocarbon Injection Valve</td>
<td>Aftertreatment Temperature Sensor</td>
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## Thomas (Jouley) Electric bus Information:

- Proterra Powertrain 220kWh energy storage system, Traction motor, Inverter, Two Speed Transmission, Battery thermal management system, High voltage junction box, Proterra CCS Type 1 chargeport and ESM, Proterra telematics hardware, Powertrain and body controllers, Power steering pump, Gear selector, Vehicle heaters, Electric HVAC compressor, Ancillary inverters, Telematics porta/data - 1 year, Operators Manuals, Training Package (2 days at Customer site) and AC-121133T 126K BTU-Free Blow AC System. ESTIMATED DELIVERY TIME IS 12 MONTHS FROM ORDER.

---

INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.

Date and Signature:
DISCLOSURE STATEMENT

PARTNERSHIP OR INDIVIDUAL

I hereby certify that I, if an individual, or each of us, if a partnership, doing business as

(Name of Individual or Partnership)

I further certify that neither I, nor any partner, if a partnership, nor anyone acting in my or our behalf has requested that any of the above-designated persons, or any other employee of the Florida Department of Education, exert any influence to secure the appointment of

(Name of Individual or Partnership)

(1) ____________________________
Signature

(2) ____________________________
Signature

(3) ____________________________
Signature

COMPANY OR CORPORATION

I hereby certify that neither I nor any owner, officer, director or shareholder of MATTHEWS BUS ALLIANCE, INC., a

FLORIDA corporation, licensed to do business in Florida, is presently involved in

(Name of Corporation (Company))

or has engaged in any private business venture or enterprise, directly or indirectly, with the Commissioner of Education, the Deputy Commissioner of Education, any Associate Commissioner of Education, Division Director or Bureau Chief within the Florida Department of Education.

I further certify that neither I nor any owner, officer, director or shareholder of this corporation, nor anyone acting on behalf of this corporation or any of its owners, officers, directors or shareholders, has requested that any of the above-designated persons, or any employee of the Florida Department of Education, exert any influence to secure the appointment of

MATTHEWS BUS ALLIANCE, INC.

(Company) ____________________________

(Corporation) ____________________________

(3) ____________________________
Signature

PRESIDENT

Title

10-21-2019

(1) If partnership, each partner must sign and execute.
(2) If company is not incorporated, insert “not incorporated” in this space.
(3) If incorporated, this statement is to be executed by same person who will execute contract, if awarded.
DRUG-FREE WORKPLACE PROGRAM

(will be considered in case of identical tie bids)

Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids that are equal with respect to price, quality and service are received by the state or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2) Inform employees about the dangers of drug abuse in the workplace; the business's policy of maintaining a drug-free workplace; any available drug counseling, rehabilitation and employee assistance programs; and the penalties that may be imposed upon employees for drug abuse violations.

3) Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893, F.S., or of any controlled substance law of the United States or any state for a violation occurring in the workplace no later than five days after such conviction.

5) Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program, if such is available in the employee's community, for any employee who is convicted of a violation of chapter 893, F.S., or of any controlled substance law of the United States or any state.

6) Make a good-faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this business complies fully with the above-stated requirements.

Vendor's Signature

10-21-2019
The Department's Supplier Diversity Initiative strives to ensure the promise of Florida's future is shared by all of its residents, regardless of race, ethnicity, disability, neighborhood or background. To that end, the Department is dedicated to support, track and increase its small, minority, women and service-disabled veteran business enterprise spending with prime contractors and subcontractors. This form was developed to assist in these efforts.

The prime contractor shall report all small, minority, women and service-disabled veteran business enterprise subcontractors, identifying the name, address, type of certification and dollar amount of the subcontractors on the form below. The prime contractor shall submit this form with each invoice submitted for payment, whether or not funds have been spent with a small, minority, women or service-disabled veteran business enterprise subcontractor for the period covered by the invoice. The Office of Supplier Diversity, Florida Department of Management Services will assist in furnishing names of qualified minorities. The Office of Supplier Diversity can be reached at 850-487-0915 or go to http://dms.myflorida.com/other_programs/office_of_supplier_diversity_osd.

PRIME CONTRACTOR: ____________________________________________

CONTRACT NO.: ______________________________________________

CONTRACT TITLE: _____________________________________________

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Certified True and Correct by:

Prime Contractor ________________________________________________

Title _________________________________________________________

Date _________________________________________________________

Total Amount $ __________________________

Submit Report to:

Ms. ReGina Register
Bureau of Contracts, Grants & Procurement Management Services
325 West Gaines Street, Room 344
Tallahassee, Florida 32399-0400

For additional information, you may contact Ms. Register at 850-245-9173 or ReGina.Register@fldoe.org.
VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS

Respondent Vendor Name: MATTHEWS BUS ALLIANCE, INC.
Vendor's Federal Employer Identification Number (FEIN): 81-4572887
Vendor's Authorized Representative Name and Title: GLENN MATTHEWS, PRESIDENT
Address: 4802 WEST COLONIAL DRIVE
City: ORLANDO State: FL Zip: 32808
Phone Number: 800-330-1175
Email Address: GMATTHEWS@MATTHEWSUSESFLORIDA.COM

Section 287.135, F.S., prohibits agencies from contracting with companies, for goods or services over $1,000,000, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Both lists are created pursuant to section 215.473, F.S.

As the person authorized to sign on behalf of Respondent, I hereby certify that the company identified above is not listed on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

I understand that, pursuant to section 287.135, F.S., the submission of a false certification may subject this company to civil penalties, attorney's fees and/or costs.

CERTIFIED BY: ____________________________________________

WHO IS AUTHORIZED TO SIGN ON BEHALF OF THE ABOVE-REFERENCED COMPANY?

Authorized Signature (Print Name and Title): GLENN MATTHEWS, PRESIDENT 10-21-2019
Contract for Type A, Type C and Type D School Buses
and Optional Equipment

THIS CONTRACT FOR TYPE A, TYPE C AND TYPE D SCHOOL BUSES AND OPTIONAL EQUIPMENT, BID NO: ITB 2020-16, by and between the department, 325 West Gaines, Suite 834, Tallahassee, Florida 32399-0400, and

MATTHEWS BUS ALLIANCE, INC.

the contractor, a for-profit corporation registered in Florida, each referred to herein as "Party," and collectively referred to as the "Parties."

WITNESSETH:

WHEREAS, the Department desires to provide eligible users, defined herein, with various Type A, Type C and Type D School Buses and Optional Equipment (defined herein as "Vehicles"), through the use of a state term contract pursuant to rule 60A-1.001, F.A.C.; and section 1006.27, F.S., and

WHEREAS, the Department solicited responses to an Invitation to Bid No: ITB 2020-16 (ITB) to prospective contractors of said Vehicles; and

WHEREAS, the contractor responded to the ITB and desires to provide said Vehicles; and, unto each other;

NOW THEREFORE, in consideration of the premises, terms and conditions set forth herein, the Parties execute this contract so same becomes binding and enforceable by and through the Parties and their assigns, and agree heretofore:

SCOPE OF WORK

The intent of these specifications is to set forth and convey to prospective bidders the general type, character, performance and quality of the Vehicles desired by the Department and school districts. The contractor is authorized to provide Vehicles to any and all eligible users in the State of Florida. The Parties agree that the laws and rules that apply to this contract shall be for those applicable to contracts in excess of Category Two, or $35,000, as defined in chapter 287.017, F.S.

Pursuant to Section 7.10 of Bid No: ITB 2020-16, the following documents are hereby incorporated by reference:

- Department contract
- Any addenda to Bid No: ITB 2020-16
- ITB No: 2020-16
- Award Letter
- Contractor's response

IN WITNESS WHEREOF, the Parties hereto have caused this contract For Type A, Type C and Type D School Buses and Optional Equipment, Bid No: ITB 2020-16, to be executed on the dates shown below their respective signatures.

DEPARTMENT

Signature

Print Name: ____________________________

Title: ____________________________

Date: ____________________________

CONTRACTOR

Signature

Print name: ____________________________

Title: ____________________________

Date: ____________________________
TO: Commissioner Richard Corcoran  
Florida Department of Education  
Tallahassee, Florida 32399-0400

I, the bidder, hereby represent that the specifications of school bus equipment furnished under terms of this bid will comply with the National School Transportation and Procedures, Revised 2015, and the Florida School Bus Specifications, Revised 2019, as represented by the manufacturer to the Commissioner of the Florida Department of Education, State of Florida.

NOTES:
1. Do not include excise tax in price schedule. A tax exemption certification or number will be furnished by the purchasing agency.
2. All prices must be quoted in even dollar amounts.
3. Twenty-nine capacity Type C buses shall be offered with both front-mounted and rear-mounted lift availability.
4. All standard and optional tires bid shall be all-wheel position highway rib radials.

Comments regarding production schedules and remarks (for informational purposes only):
________________________________________________________________________
________________________________________________________________________

Company: MATTHEWS BUS ALLIANCE, INC.

By: GLENN MATTHEWS, PRESIDENT

Address: 4802 WEST COLONIAL DRIVE, ORLANDO, FL 32808

Telephone: 800-330-1175

FEIN: 81-4572887

Signature: ___________________________ Date: 10-21-2019
PURCHASE ORDER
CONTACT PREFERENCE INFORMATION

Please provide pertinent contact information for your company to be used on all purchase orders for buses purchased pursuant to this bid:

ATTN (Contact Person’s Name): GLENN MATTHEWS

Contact Person’s Title: PRESIDENT

Company Name: MATTHEWS BUS ALLIANCE, INC.

Street Address: 4802 WEST COLONIAL DRIVE

City, State, Zip: ORLANDO, FL 32808

Telephone: 800-330-1175

CUSTOMER CONTACT PREFERENCE INFORMATION

Please indicate the proper contact person for all inquiries related to bus orders:

Contact Person’s Name: GLENN MATTHEWS

Contact Person’s Title: PRESIDENT

Company Name: MATTHEWS BUS ALLIANCE, INC.

Street Address: 4802 WEST COLONIAL DRIVE

City, State, Zip: ORLANDO, FL 32808

Telephone: 800-330-1175

Fax: 407-374-1797

Email address: GMATTHEWS@MATTHEWSBUSESFLORIDA.COM

Initial: 

10-21-2019
ReGina Register  
Florida Department of Education  
Procurement Office  
332 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400  

RE: ITB #2020-16, Contact between Person with Responsibility to the State of Florida

Dear Ms. Register:

This letter is to specify that Glenn Matthews will act as the Contract Manager for Matthews Bus Alliance, Inc., and is the authorized contact person with the responsibility to the State of Florida ITB 2020-16. As required by Section 7.13 of the ITB 2020-16, the full contact information for Mr. Matthews is as follows:

Glenn Matthews  
Matthews Bus Alliance, Inc.  
4802 West Colonial Drive  
Orlando, FL 32808  
Office Phone: (800) 330-1175 Ext. 412  
Cell Phone: (407) 697-7856  
Fax: (407) 374-1797  
E-mail: gmatthews@matthewsbusesflorida.com

Respectfully submitted,

Glenn Matthews  
President  
Matthews Bus Alliance, Inc.
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NOTE: File shall be a Microsoft Excel spreadsheet.

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INITIAL 10/21/2019
Pre-delivery Inspection Form (2020)  Attachment 10

District: ____________________________  Local Bus #: _______________________  Date Rec'd.: ________  Shop Location: ____________________________

Bus Type: [ A ] [ B ] [ C ] [ D-Front Engine ] [ D-Rear Engine ]  Shell Seating Capacity: __________  Equipped Seating Capacity: __________

Wheelchair Capacity: __________  Chassis Mfr.: ___________________  Chassis Model: ___________________  Chassis Build Date: __________


Body Mfr.: ___________________  Body Model: ___________________  Body S/N: ___________________

In-service-date: __________  Lift: Yes / No  Lift Mfr.: ___________________  Lift Model: ___________________  Lift S/N: ___________________


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<tr>
<th>STATUS CODES:</th>
<th>A: INSIDE BUS</th>
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<tr>
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<td>INSPECTION ITEMS</td>
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<tr>
<td>1.</td>
<td>Emergency Equipment - Fire Ext. (pressure/tsp/mount), First Aid Kit, Body Fluid Cleanup Kit and Reflectors</td>
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<tr>
<td>2.</td>
<td>Registration and Insurance Card</td>
</tr>
<tr>
<td>3.</td>
<td>Neutral Safety Switch, Shifter and Noise Abatement Switch</td>
</tr>
<tr>
<td>4.</td>
<td>Engine Controls - Key Switch, Accelerator and Engine Shutoff</td>
</tr>
<tr>
<td>5.</td>
<td>Gauges, Indicators, Dash and Switch Panel Lights, Engine Warning Lights/ Buzzers and ABS Warning Light</td>
</tr>
<tr>
<td>6.</td>
<td>Air Brake System - Gauge(s), Build-Up, Governor, Park Brake, Adjustment, Air Leaks, Low Air Warning, PP-1 Pop-Off and Pedal</td>
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<tr>
<td>7.</td>
<td>Hydraulic Brakes - Warning Light, Gauge, Pedal Travel and Fade, Power Axial and Park Brake</td>
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<tr>
<td>8.</td>
<td>Windshield Wipers and Washers - Operation, Park and Blades</td>
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<tr>
<td>9.</td>
<td>Heaters, Defrosters, Auxiliary Dash or Header Fan(s)</td>
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<tr>
<td>10.</td>
<td>Dome and Step Well Lights</td>
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<tr>
<td>11.</td>
<td>Service Door - Operation, Control and Overhead Pad</td>
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<tr>
<td>12.</td>
<td>Horns</td>
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<tr>
<td>13.</td>
<td>Mirror Adjustment and Condition - Rear view, Cross-view, Side-view and Interior</td>
</tr>
<tr>
<td>14.</td>
<td>Driver's Seat and Seat Belt</td>
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<tr>
<td>17.</td>
<td>Windshield, Side and Rear Windows - Cracks, Fogging, Latches and Visor</td>
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<tr>
<td>18.</td>
<td>Wheelchair Lift, Door and Securement System - (if equipped)</td>
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<tr>
<td>19.</td>
<td>Two-Way Radio Operation - (if equipped)</td>
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<tr>
<td>20.</td>
<td>Interior Wiring, Cab Hose(s) and Fire Wall Seals</td>
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<tr>
<td>21.</td>
<td>General Condition of Bus Interior - Floor, Step well, Grab Rail(s), Paneling, Broom Mounting, Loose Objects Secured and Engine Cover</td>
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</table>

Note: This Pre-delivery Inspection form will not serve as a Florida School Bus Safety Inspection Form 2017-IF. A completed 2017-IF must be on file to place a new bus into service pursuant to rule 6A-3.0171, F.A.C.

Initial: ___________________  10-21-2019
### B. OUTSIDE BUS

1. Headlights, Turn Signals, Hazard, Brake, Tail, Backup Lights, Backup Alarm and Park Lights
2. Clearance, Side Marker, ID Lights, Reflectors and Strobe Light
3. Pupil Warning Lights
4. Stop Arm(s) and Student Crossing Arm - Wiring, Air or Vacuum Leak and Decal
5. General Condition of Bus Exterior - Mirrors, Bumpers, Body Damage, Paint, Reflective Marking, Lettering, Emergency Door, Engine Hood and Cleanliness

### C. ENGINE COMPARTMENT

1. Steering - Play, Column, Steering Gear Box Mounting, Pitman Arm, Drag Link, Steering Arm, Tie Rod & Ends and Idler Arm
2. Batteries - Hold Down, Terminals, Cables, Cleanliness, Slide Tray and Load Test. Check battery voltage after 15 seconds load at 1/4 CCA.
   - Bat 1
   - Bat 2
   - Bat 3
3. Fluid Levels and Condition - Brake, Power Steering, Oil, Transmission, Wipers and Windshield Washer, Coolant (Antifreeze ________°F) and DEF
4. Belts and Hoses - Tightness, Condition, Routing and Belt Alignment
5. Accessory Mounting and Condition - Power Steering Pump, Air Compressor and Filter, Water Pump, Fan, Alternator and Air Cleaner (Restriction) __________ (H₂O)
6. Wiring - Routing and Condition
7. Fuel System and Lines
8. Radiator - Mounting, Cap, Reservoir and Fan Shroud

### COMMENTS / NOTES

---

Note: This Pre-delivery Inspection form will not serve as a Florida School Bus Safety Inspection Form 2017-IF. A completed 2017-IF must be on file to place a new bus into service pursuant to rule 6A-3.2171, F.A.C.

Initial: [Signature] 10-21-2019
### D. UNDERNEATH BUS

1. **Front Suspension** - I-Beam, U-Bolts, Springs, Spring Mounts, Shackles, Pins and Bushings, Shocks, Kingpins, Wheel Bearings, Seals, A-Frame, Bushings and Ball Joints
3. **Engine Mounts, Transmission Mounts and Starter Mounting**
4. **Transmission** - Bolts, Linkage, Lines, Filter and Cooler
5. **Fluid Leaks** - Oil, Coolant, Transmission, Power Steering and DEF
6. **Fuel and DEF Tank** - Leaks, Mounting, Hoses and Wireing
7. **Brake Equipment** - ABS, Lines, Valves, Reservoir Mounting and Bleed Reservoirs
8. **Driveline** - Shafts, U-Joints, Yokes, Hanger Bearings, Guards Driveshaft and Park brake
9. **Rear Suspension** - Axle Housing, Vent, Differential, Springs, U-Bolts, Shocks, Spring Shackles, Pins and Bushings, Hangers, Seals and Wheel Bearings
11. **Body Securement and Structure** - Hold Downs, Floor, Outriggers, Braces, Skirts, Mud Flaps and Chassis Frame Rails
12. **Exhaust System** - Leaks, Mounting, Muffler, Tailpipe and DEF, DPF System
13. **Wheels and Tires** - Tread Depth, Pressure, Damage, Matching, Alignment and Wheel Hardware

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Lug Nut Torque Verified

---

**Note:** This Pre-delivery Inspection form will not serve as a Florida School Bus Safety Inspection Form 2017-IF. A completed 2017-IF must be on file to place a new bus into service pursuant to rule 6A-3.0171 F.A.C.

Initial: [Signature] 10-21-2019
### E. FILTERS / COOLANT CONDITION / STARTING & CHARGING / AIR CONDITIONING PERFORMANCE

1. Check Oil Filter(s)  
2. Check Fuel Filter(s) Primary/Secondary and Separator  
3. Check Transmission Filter(s)  
4. Check Air Compressor Filter (if applicable)  
5. Check Power Steering Filter  
6. Check Engine Air Cleaner assembly and Filter  
7. Check Coolant Filter and record DCA level  
8. Test Starting and Charging System. Amps __________ Voltage __________  
9. Air Conditioning Filters

### F. ROAD TEST

1. Brake Performance - Park Brake, Stopping Distance and Equalization  
2. Engine, Transmission and Driveline - Engine Performance, Governor and Shifting  
3. Steering and Handling - Free Play, Power Assist, Column, Tracking and Turning Radius

### G. ITEM SPECIFICATIONS

1. Body Data Plate  
2. Body Structure  
3. Air Conditioning  
4. Wheel Chair Lift Equipment  
5. Wheel Chair Tie-Down and Securement System  
6. Driver's Document Compartment  
7. Publications  
8. Engine Equipment  
9. Engine Performance  
10. Ventilation  
11. Square and Level - (RF__) (LF__) (RR__) (LR__)  

### H. OPTIONAL EQUIPMENT

1. Type A Chassis Options  
2. Type B, C and D Chassis Options  
3. Type A, B, C and D Body Exceptions and Options

---

**Body Inspector's Signature:** ___________________________  
**Certification Number:** ___________________________  
**Date:** ___________________________

**Chassis Inspector's Signature:** ___________________________  
**Certification Number:** ___________________________  
**Date:** ___________________________

**Note:** This Pre-delivery Inspection form will not serve as a Florida School Bus Safety Inspection Form 2017-IF. A completed 2017-IF must be on file to place a new bus into service pursuant to rule 6A-3.0171, F.A.C.  

**Initial:** ___________________________  
**Date:** 10-21-2019
FMVSS and GAWR attestation of compliance letter
ReGina Register  
Florida Department of Education  
Procurement Office  
332 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400

RE: ITB #2020-16, Certification of Specification Compliance

Dear Ms. Register:

This letter is to certify that all Type A, C and D school bus bodies and/or chassis sold or delivered to Florida school districts by Matthews Bus Alliance, Inc., pursuant to ITB 2020-16 will meet the Florida School Bus Specifications; Revised 2020, will meet the National School Transportation Specifications and Procedures, Revised 2015, and will meet all Federal Motor Vehicle Safety Standards applicable at the time the vehicle is manufactured.

Respectfully submitted,

Glenn Matthews  
President  
Matthews Bus Alliance, Inc.
10/10/2019

ReGina Register
Florida Department of Education
Procurement Office
332 Turlington Building
325 West Gaines Street
Tallahassee, FL 32399-0400

RE: ITB #2020-16, Certification of Specification Compliance

Dear Ms. Register:

This letter is to certify that all Type A, C and D school bus bodies and/or chassis sold or delivered to Florida school districts by Thomas Built Buses, Inc., or its dealers or agents., will meet the Florida School Bus Specifications; Revised 2020, will meet the National School Transportation Specifications and Procedures, Revised 2015, and will meet all Federal Motor Vehicle Safety Standards applicable at the time the vehicle is manufactured in pursuant to ITB 2020-16.

Respectfully submitted,

[Signature]

Link Roland
Southeast District Sales Manager
ReGina Register
Florida Department of Education
Procurement Office
332 Turlington Building
325 West Gaines Street
Tallahassee, FL 32399-0400

RE: ITB #2020-16, Gross Axle Weight Rating Certification

Dear Ms. Register:

Matthews Bus Alliance, Inc., and Freightliner Custom Chassis Corporation, Ford Motor Corporation and General Motors Corporation hereby certify that all Type A, C and D chassis provided in fulfillment of ITB #2020-16 are specified with adequate Gross Axle Weight Ratings, front and rear, for mounting and certifying school bus bodies in accordance with Florida School Bus Specifications, Revised 2020.

Respectfully submitted,

Glenn Matthews
President
Matthews Bus Alliance, Inc.
10/10/2019

ReGina Register
Florida Department of Education
Procurement Office
332 Turlington Building
325 West Gaines Street
Tallahassee, FL 32399-0400

RE: ITB #2020-16, Gross Axle Weight Rating Certification

Dear Ms. Register:

Thomas Built Buses, Inc., Freightliner Custom Chassis Corporation, Ford Motor Company and General Motors Corporation hereby certify that all Type A, C and D chassis provided in fulfillment of ITB #2020-16 are specified with adequate Gross Axle Weight Ratings, front and rear, for mounting and certifying school bus bodies in accordance with Florida School Bus Specifications, Revised 2020.

Respectfully submitted,

[Signature]

Link Roland
Southeast District Sales Manager
Power Lift attestation of compliance letter
Re: ITB #2020-16, Wheelchair Lift Testing & Installation Certification

Dear Ms. Register:

Matthews Bus Alliance, Inc., certifies that all wheelchair lifts installed by Thomas Built Buses production facilities will meet all testing requirements set forth in the Florida School Bus Specifications, Revised 2020, as well as all FMVSS requirements in force at the time of manufacture.

Additionally, all wheelchair lifts installed by Thomas Built Buses are installed in compliance with the lift manufacturer's requirements and the requirements of the Florida School Bus Specifications, Revised 2020.

Respectfully submitted,

Glenn Matthews
President
Matthews Bus Alliance, Inc.
10/10/2019

ReGina Register  
Florida Department of Education  
Procurement Office  
332 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400

RE: ITB #2020-16, Wheelchair Lift Testing and Installation Certification

Dear Ms. Register:

Thomas Built Buses, Inc. certifies that all wheelchair lifts installed by TBB production facilities will meet all testing requirements set forth in the Florida School Bus Specifications, Revised 2020 as well as all FMVSS requirements in force at the time of manufacture.

Additionally, all wheelchair lifts installed by Thomas Built Buses are installed in compliance with the lift manufacturer’s requirements and the requirements of the Florida School Bus Specifications, Revised 2020.

Respectfully submitted,

[Signature]

Lunik Roland  
Southeast District Sales Manager
ReGina Register  
Florida Department of Education  
Procurement Office  
332 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400

RE: ITB #2020-16, Chassis Delivery Schedule

Dear Ms. Register:

Thomas Built Buses and Freightliner Custom Chassis Corporation, Ford Motor Corporation and General Motors Corporation have adequate facilities and production capacity to provide Type A, C and D chassis within designated timelines set forth in ITB 2020-16. Delivery of completed units purchased from ITB 2020-16 will be delivered within 240 days from Matthews Bus Alliance, Inc., receipt of Purchase Order as specified in Section 7.17 of the ITB 2020-16. Purchase Orders will be accepted beginning immediately after contract execution through December 31, 2021 or as noted in Section 4.25 extension.

Type A chassis purchased will be produced by Ford Motor Corporation/General Motors Corporation. These chassis will be released for transport to Thomas Built Buses approximately two weeks prior to the body production start date.

Type C school bus chassis purchased will be produced by Freightliner Custom Chassis. These chassis will be released for transport to Thomas Built Buses approximately two weeks prior to the body production start date.

Type D chassis are produced by Thomas Built Buses and will be delivered for body production approximately one day prior to the body start date. All chassis will be scheduled so as to accommodate body production within ITB timelines for Type D school buses detailed above.

Respectfully submitted,

Glenn Matthews  
President  
Matthews Bus Alliance, Inc.
10/10/2019

ReGina Register
Florida Department of Education
Procurement Office
332 Turlington Building
325 West Gaines Street
Tallahassee, FL 32399-0400

RE: ITB #2020-16, Chassis Delivery Schedule

Dear Ms. Register:

Thomas Built Buses, Freightliner Custom Chassis Corporation, Ford Motor Corporation and General Motors Corporation have adequate facilities and production capacity to provide Type A, C and D chassis within designated timelines set forth in ITB 2020-16. Delivery of completed units purchased from ITB 2020-16 will be delivered within 240 days from Matthews Bus Alliance, Inc., receipt of Purchase Order as specified in Section 7.17 of the ITB 2020-16. Purchase Orders will be accepted beginning immediately after contract execution through December 31, 2021 or as noted in Section 4.25 extension.

Type A chassis purchased will be produced by Ford Motor Corporation/General Motors Corporation. These chassis will be released for transport to Thomas Built Buses approximately two weeks prior to the body production start date.

Type C school bus chassis purchased will be produced by Freightliner Custom Chassis. These chassis will be released for transport to Thomas Built Buses approximately two weeks prior to the body production start date.

Type D chassis are produced by Thomas Built Buses and will be delivered for body production approximately one day prior to the body start date. All chassis will be scheduled so as to accommodate body production within ITB timelines for Type D school buses detailed above.

Respectfully submitted,

[Signature]

Link Roland
Southeast District Sales Manager
ATTACHMENT 15

Liquidated Damages Acknowledgement Letter
ReGina Register  
Florida Department of Education  
Procurement Office  
332 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400

RE: ITB #2020-16, Liquidated Damages (Section 6.2)

Dear Ms. Register:

This letter is to certify that Matthews Bus Alliance, Inc. acknowledges all procedures and financial penalties for Liquidated Damages in Section 6.2 of the ITB 2020-16.

Buses not ready for pickup or delivered to the purchasing school district by the dates specified (by purchaser) in Section 6.2 of ITB 2020-16 will be assessed for Liquidates Damages of:

- $25 per bus, per calendar day that delivery is late for Non-Lift Units
- $50 per bus, per calendar day that delivery is late for Wheelchair Lift Units

Liquidated Damages are permitted to be deducted from the payment of the bus after notifying the bidder, in writing, at least 30 days in advance of their intent to deduct liquidated damages by the purchasing school districts and the FSDB per section 6.2.

Respectfully submitted,

Glenn Matthews  
President  
Matthews Bus Alliance, Inc.
10/21/2019

ReGina Register
Florida Department of Education
Procurement Office
332 Turlington Building
325 West Gaines Street
Tallahassee, FL 32399-0400

RE: ITB #2020-16, Seat Covering Material, Manufacturer and Model Number

Dear Ms. Register:

Please accept this letter as certification that Thomas Built Buses, Inc. is providing covering material listed below on units provided in accordance with ITB #2020-16, meet requirements set forth in Florida School Bus Specifications, Revised 2020.

<table>
<thead>
<tr>
<th>Supplier</th>
<th>Material</th>
<th>Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Syntec</td>
<td>Fire Block Blue</td>
<td>Proform - EDO</td>
</tr>
</tbody>
</table>

Respectfully submitted,

Glenn Matthews
President
Matthews Bus Alliance, Inc.
10/10/2019

ReGina Register
Florida Department of Education
Procurement Office
332 Turlington Building
325 West Gaines Street
Tallahassee, FL 32399-0400

RE: ITB #2020-16, Seat Covering Material, Manufacturer and Model Number

Dear Ms. Register:

Please accept this letter as certification that Thomas Built Buses, Inc. is providing covering material listed below on units provided in accordance with ITB #2020-16, meet requirements set forth in Florida School Bus Specifications, Revised 2020.

- Supplier: Syntec
- Material: Fire Block Blue
- Model Number: Proform - EDO

Respectfully submitted,

[Signature]

Link Roland
Southeast District Sales Manager
Type C and Type D Chassis Performance Letter
ReGina Register  
Florida Department of Education  
Procurement Office  
332 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400

RE: ITB #2020-16, SCAAN Certification

Dear Ms. Register:

Pursuant to ITB #2020-16, all Type C and D school buses supplied for this contract will meet the minimum performance requirements defined in the Florida School Bus Specifications, Revised 2020. In addition, Thomas Built Buses and Freightliner Custom Chassis Corporation have performed all required SCAAN reports for Types C and D chassis offered on ITB #2020-16.

These SCAAN reports are available for review upon request.

Respectfully submitted,

[Signature]

Glenn Matthews  
President  
Matthews Bus Alliance, Inc.
ReGina Register  
Florida Department of Education  
Procurement Office  
332 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400  

RE: ITB #2020-16. Pre-Delivery Inspection Program Outline  

Dear Ms. Register:  

As designated dealers for Thomas Built Buses, Matthews Bus Alliance, Inc. will complete the required Pre-Delivery Inspection (PDI) form in accordance with the Supplier Qualification Manual (SQM) and Attachment 10 on all units supplied in fulfillment of the ITB #2020-16.  

Matthews Bus Alliance, Inc. maintains personnel who are certified Florida PDI Inspectors and will conduct inspections in accordance with the established Florida PDI Inspection process on file at Thomas Built Buses.  

Respectfully submitted,  

Glenn Matthews  
President  
Matthews Bus Alliance, Inc.
Bid Addenda (if any)
FLORIDA DEPARTMENT OF EDUCATION

BUREAU OF CONTRACTS, GRANTS AND PROCUREMENT
MANAGEMENT SERVICES
325 West Gaines Street
332 Turlington Building
Tallahassee, Florida 32399-0400

Addendum #1

BID NO.: ITB 2020-16

Type A, Type C and Type D School Buses and Optional Equipment

September 19, 2019

This addendum is being issued to provide the Answers to Questions submitted timely by vendors during the Question and Answers period.

Please be advised all questions are keyed as submitted.

Sun State Bus Centers

1. Public opening, will the bid submissions be reviewed and read aloud or otherwise be provided to all bidders?

   ANSWER: The public opening will consist of the reading of the names of the bidders that responded only. All other information will be available via public records request once the information becomes public.

2. Will the Department allow bidders to add lines to the price sheets for additional A/C, engine, warranty and other options as needed?

   ANSWER: Yes.

3. Will the department provide to bidders an editable electronic copy (preferably Word format) of Attachment 10 – Pre-Delivery Inspection Form (2020)?

   ANSWER: Yes.

4. Option for Red Light Above Emergency Door, is this light required to be LED?

   ANSWER: Yes.
1. Please clarify conflicting information pertaining to Renewal terms of this contract. Under 3.0 Intent – the resulting contract may be renewed for up to 3 one year terms. Under 4.25 Extension – The department in its discretion may grant an extension of the contract...in writing for a period not to exceed 6 months and shall be subject to the same terms and conditions set forth in the contract...There shall be only one extension unless failure to meet the criteria set forth in this ITB or resulting contract is due to events beyond the control of the contractor. Also, will the state offer price increase percentages to the successful bidders upon requesting the contract be renewed by the vendor in each of these one year renewals?

ANSWER: 3.0 INTENT: The department is soliciting written responses to establish a 24-month term contract that may be renewed for up to three one-year terms with no change in pricing or options if mutually agreed upon by both parties.

4.25 is a provision that allows the department to extend the contract up to six months to allow a poor performing contractor to fulfill their obligations. This is not a renewal of the contract.

2. Pricing Sheets –
   a. Under the Optional Engines for each bus configuration, can you add space for extended engine warranties?

   ANSWER: No, enter extended warranty information for optional engines in the ADDITIONAL OPTIONS section.

   b. Also are the extended engine Warranty Options limited to the terms listed or can we supply additional offerings in space provided?

   ANSWER: You may submit additional warranty offerings in addition to the listed terms in the ADDITIONAL OPTIONS section.

   c. If so, should we do so in the Additional Options or will you provide more open space in the Warranty Options for the standard and optional engines?

   ANSWER: You may submit additional warranty offerings in addition to the listed terms in the ADDITIONAL OPTIONS section.

3. Pricing Sheets – Can we add more Additional Options if needed,

   ANSWER: Yes, you may add more ADDITIONAL OPTIONS if necessary.

or can we just combine the Additional Seating Options and Additional Options together in one section?

   ANSWER: Yes, you may combine ADDITIONAL SEATING OPTIONS and ADDITIONAL OPTIONS together in one section.
Also, under Additional Seating Options, can we move the randomly scattered options to be in line with each other? Do we have to use the ones listed?

**ANSWER:** Yes, you may move, add to, or delete the randomly scattered **ADDITIONAL SEATING OPTIONS.**

4. Pricing Sheets – Are the “Future Use” lines meant to be left blank? What is the future use and will it affect this bid?

**ANSWER:** “Future Use” is simply a place holder for the option number line and will have no effect on this bid.

5. Page 46, under the second page of additional options, why are the Diagnostic Options only listed here? Should they not be listed for each configuration and type?

**ANSWER:** List Diagnostic Options as applicable for each engine configuration under **ADDITIONAL OPTIONS.**

6. Pricing Sheets – Are we allowed to correct formatted spreadsheet (merge and center where needed or add/remove gridlines)? There are few in the additional options area where a cell is not merged and centered, and has a line breaking the first cell in the row (page 37, 41, 45).

**ANSWER:** Yes, as long as the information remains the same.

7. Pricing Sheets – Are we allowed to make additional copies of the Video/GPS pages and other pages as needed? Please clarify.

**ANSWER:** Yes.

8. Pricing Sheets – Can we provide multiple bids for each type of bus requested?

**ANSWER:** No.

9. II-2 Engine Equipment – Please differentiate between Additional Engine of other configurations or displacements and Alternate Fuel Configurations. There seems to be some confusion that Gasoline is considered an Alternate Fuel when it’s an Optional Engine not an alternate fuel engine. Here is a link concerning alternative fuels at... [https://afdc.energy.gov/fuels/](https://afdc.energy.gov/fuels/)

**ANSWER:** The Florida School Bus Specifications require that a diesel engine with a minimum displacement of 6.4 liters and 6 cylinders be available as a standard engine in a wet sleeve or parent bore block design. However, Additional Engines of other configurations or displacements may be offered in the **OPTIONAL ENGINES** section of the bid pricing pages for each type of bus including Alternate Fuel engine configurations.

Gasoline engine configurations are NOT Alternate Fuel Configurations.
The United States Department of Energy recognizes bio-diesel, ethanol, hydrogen, natural gas, propane and electric as being alternate fuels.

**Florida Transportation Systems**

1. Page 7, item 3.0 "Intent" states that ITB #2020-16 will have a contract term of 24 months. Additionally, the contract may be renewed for up to three, one-year terms. Will the renewal be mutually agreeable, or at the discretion of the Department? Assuming there is a renewal, will the Department allow for price adjustments or additional options being added to the awarded contract?

**ANSWER:** Contract renewals must be mutually agreed upon by both parties. A renewal would not allow any changes in pricing or options.

2. Page 18, section 4.35 of ITB #2020-16 establishes an extension for districts receiving volume bus deliveries. In essence, the 10-day acceptance window is extended based on receiving 5 or more buses in a two-day period. Similarly, would the Department consider allowing for an extension of the 240-day delivery window when a vendor receiving volume orders over an abbreviated period. For example, if a vendor receiving purchase orders for an excess of 50 buses in a 5-day period, the required delivery date is increased by 10 business days.

**ANSWER:** No.

3. Page 19, section 5.1 of ITB #2020-16 requires a performance bond for contactors of Type A, C and D school buses. With section 6.2 of the same ITB document allowing purchasing districts to assess and deduct liquidated damages from their invoiced purchase price, would the Department consider waiving the requirement for the performance bond?

**ANSWER:** No.

4. Attachment 1, of ITB #2020-16 provides bidders with pre-formatted pricing submission sheets and Excel spreadsheets. Various areas of pricing entry may require additional entries in comparison to what is pre-formatted (for example, a/c options, seating or warranty options). May bidders be permitted to add rows to the pricing submission sheets and provide customers with additional options within reason?

**ANSWER:** Yes.

5. Attachment 11, of ITB #2020-16 includes the Florida School Bus Specifications, Revised 2019 (Specifications). The bus category, MFSAB, is introduced and referenced by Florida Specifications. Do these Specifications, as they relate to MFSAB references, apply to MFSABs owned and operated by public school boards and charter schools only or do these also apply to day care centers, churches and other various enterprises that may utilize these style vehicles?
ANSWER: The specifications that apply to buses obtained under ITB #2020-16 are Florida School Bus Specifications, effective January 2020, which are the specifications in Attachment II renamed to reflect an effective date and to align with the award of this bid. School bus units may be purchased under ITB # 2020-16 by Florida district school boards, charter schools, and the Florida School for the Deaf and the Blind (FSDB); and may be purchased by eligible private schools pursuant to the requirements described in s. 1002.42(15)(a), F.S. The applicability of the specifications to any other vehicles exceeds the scope of the bid process and the Department cannot provide a response.

6. Page 2 of Florida Specifications, Revised 2019 details warranties for Type A, C and D new vehicles. Under “Chassis Warranties”, items 3 and 5 used to apply only to Types A2, C and D diesel chassis in Florida School Bus Specifications, Revised 2013. FTS respectfully requests that these items NOT apply to diesel Type A chassis 14,500 Lbs. GVWR and under.

ANSWER: Denied.

7. Page I-2 of Florida Specifications, section “Engine Equipment” items 3 and 5 used to apply only to Types A2, C and D diesel chassis in Florida School Bus Specifications, Revised 2013. FTS requests that these items NOT apply to diesel Type A chassis 14,500 Lbs. GVWR and under.

ANSWER: Denied.

8. Page I-4 of Florida Specifications, Revised 2019, section “Transmission” requires an Allison 1000 or 2000 or approved equal on a Type A chassis of 30p and larger. FTS requests that the Chevrolet heavy duty 6-speed Hydra-Matic transmission be accepted as an approved equal.

ANSWER: Approved.

9. Page II-5 of Florida Specifications, Revised 2019, section “Transmission” includes the following for Type D front engine:

   a. Type D 71 capacity front engine, Allison PTS 2500, 5 speed or approved equal.

   b. Type D 78-79 capacity front engine, Allison PTS 2500, 5 speed or approved equal.

The ‘TYPE D FORWARD CONTROL FRONT ENGINE’ chart on page II-7 however, indicates that the PTS 3000 transmission is required for 77, 83, and 89 capacity buses. FTS requests clarification of Type D forward transmission requirements.

ANSWER: Page II-5 under TRANSMISSION, AUTOMATIC #4 Should read:

4. Type D 77-89 capacity front engine, Allison PTS 3000, 5 speed or approved equal.
10. Page III-13 of Florida Specifications, Revised 2019, section 'Rear Vision Mirror System', states that “The system must consist of one flat and one convex mirror lens per side. Each mirror set must be mounted on a breakaway arms with a positive detent or lock.” The exterior rearview mirror brackets designed and provided by Blue Bird's mirror vendor for the Open View mirrors do not include a breakaway feature. Blue Bird requests confirmation that the bracket design previously approved for use in Florida meets the intent of the specifications.

**ANSWER:** The previous designs provided by Blue Bird meets the intent of the specifications.

11. Page III-14 of Florida Specifications, Revised 2019, section “Seating, item 2 and 3” defines the requirement for FMVSS No. 225 compliant seats and their required seat spacing. This is required for the first seat of each side of the bus. If a customer would like to add additional rows of FMVSS No. 225 compliant seats, how should those be spaced?

**ANSWER:** Additional seats compliant with FMVSS No. 225 must be spaced to provide the maximum knee room (seat spacing) permitted by FMVSS No. 222.

Potential proposers have 72 hours from posting of addenda to protest the requirements of each addendum. Failure to file a protest within the time prescribed in Section 120.57(3), or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under Chapter 120, Florida Statutes.

---

**YOUR BID WILL NOT BE COMPLETE WITHOUT THIS DOCUMENT SIGNED AND INCLUDED!**

Company Name: MATTHEWS BUS ALLIANCE, INC.

Vendor Name – written: Glenn Matthews

Authorized Signature:

Mailing Address: 4802 WEST COLONIAL DRIVE

City, State & Zip Code: ORLANDO, FL 32808

Telephone: 800-330-1175 E-Mail Address: gmatthews@matthewsbusesflorida.com

ITB 2020-16 Addendum #1
Addendum #2

BID NO.:

This addendum is being issued to include the below option:

Under additional options, pricing can be provided for a mounted exterior LED lamp that will project light along the right side of the bus in the area of the service door. The proposed lamp must have a minimum light output equivalent to a 50W halogen bulb, be mounted to direct light in a manner that prevents the light from shining directly into the right-side rear-view mirror and cross view mirror; must automatically turn on when the service door is opened and turn off approximately five seconds after the door has closed.

Potential proposers have 72 hours from posting of addenda to protest the requirements of each addendum. Failure to file a protest within the time prescribed in Section 120.57(3), or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under Chapter 120, Florida Statutes.

YOUR BID WILL NOT BE COMPLETE WITHOUT THIS DOCUMENT SIGNED AND INCLUDED!

Company Name: MATTHEWS BUS ALLIANCE, INC.

Vendor Name – written: Glenn Matthews

Authorized Signature: ____________________________

Mailing Address: 4802 WEST COLONIAL DRIVE

City, State & Zip Code: ORLANDO, FL 32808

Telephone: 800-330-1175 E-Mail Address: gmatthews@matthewsbusesflorida.com
ReGina Register  
Florida Department of Education  
Procurement Office  
332 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400

RE: ITB #2020-16, PUR-1001 & PUR-1000

Dear Ms. Register:

In the event of any conflict between Form PUR 1001 and other instructions provided in the ITB 2020-16 document, the additional instructions in that document shall take precedence over the Form PUR 1001 unless the conflicting term is required by any section of the Florida Statutes, in which case the statutory requirements shall take precedence.

In the event of any conflict between Form PUR 1000 and any other Special Conditions, the Special Conditions shall take precedence over Form PUR 1000 unless the conflicting term in the PUR form is required by any section of the Florida Statutes, in which case the term contained in Form PUR 1000 shall take precedence.

Matthews Bus Alliance, Inc. acknowledges both PUR-1001 and PUR-1000.

Respectfully submitted,

[Signature]
Glenn Matthews  
President  
Matthews Bus Alliance, Inc.
ReGina Register
Florida Department of Education
Procurement Office
332 Turlington Building
325 West Gaines Street
Tallahassee, FL 32399-0400

RE: ITB #2020-16, MBA Footnotes

Dear Ms. Register:

MBA Footnotes 2020-16

1. Straight Floor option requires Air Ride Rear Suspension and low profile tires (C10). Note: Does not include track seating or floor track.
2. 100 gallon tanks in some Type C configurations may require option C10 air ride suspension due to option content. 100 Gallon tank may affect availability of thru luggage compartments. Please consult dealer to confirm compatibility of these options prior to issuing Purchase Order(s).
3. When ordering under-seat rear heaters for lift configurations customer should consult dealer. Heater’s location and size (40,000 BTU rear wall mount) may be only possible location for the rear heater.
4. Propane Engine option is only available on 65, 71 and 77 passenger buses with or without wheelchair lifts. Example wheel base: 219", 238", 259" & 279"
5. To order the track seating option you must order the flat floor option.
6. At the time of this bid opening, S.T.A.R.S. Mounting System is only available on Lift equipped buses and ONLY available in Non-Lift Buses over heater locations. However, we expect S.T.A.R.S Mounting to be available in other locations during this bid period. Thus, we will notify FLDOE and County districts when S.T.A.R.S Mounting is available in these other locations.
7. For a tie in dash AC system on C2 29-77 passenger, no price change and 5 year standard warranty.
8. Propane buses have A/C system included!!

Respectfully submitted,

Glenn Matthews
President
Matthews Bus Alliance, Inc.

www.matthewsbusesflorida.com
ReGina Register
Florida Department of Education
Procurement Office
332 Turlington Building
325 West Gaines Street
Tallahassee, FL 32399-0400

RE: ITB #2020-16, Copyright Waiver

Dear Ms. Register:

This letter is to allow the reproduction of any copyrighted material included within the Matthews Bus Alliance, Inc. (FEID# 81-4572887) bid response required in Section 4.7 for ITB 2020-16.

Respectfully submitted,

[Signature]

Glenn Matthews
President
Matthews Bus Alliance, Inc.
ReGina Register  
Florida Department of Education  
Procurement Office  
332 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400  

RE: ITB #2020-16, Conflict of Interest and Disclosure  

Dear Ms. Register:  

Matthews Bus Alliance, Inc., certifies that no officer, director, employee or agent is also an employee of any State of Florida agency. In addition, it has been determined that, to the best of our knowledge, no Florida State employee owns, directly or indirectly, an interest of five percent (5%) or more in Matthews Bus Alliance, Inc., or any of its branches or affiliates.  

Matthews Bus Alliance, Inc. does not retain the services of any state employee, agent, lobbyist, previous employees of the Department, or any other person who has received or will receive compensation of any kind, or who has registered or is required to register under 112.3215 Florida Statutes, in seeking to influence the actions of the Department in connection with ITB #2020-16.  

Respectfully submitted,  

Glen Matthews  
President  
Matthews Bus Alliance, Inc.
ReGina Register  
Florida Department of Education  
Procurement Office  
332 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400  

RE: ITB #2020-16, Diagnostic Software  

Dear Ms. Register:  

Matthews Bus Alliance, Inc. is offering diagnostic software tools (for communication between bus and computer) as optional equipment. However, please note that Thomas Bus body and chassis software (except Allison Transmission and Engine Specific Software) will be provided online for each district purchasing a Thomas Built Bus. This is available with a simple online registration for each user and administered by your Thomas Dealer and will include site registration only and not a diagnostic reader or communication tool.  

Detroit Diesel and Cummins engines also include a 5 year subscription to their virtual technician platform.  

Please feel free to contact me with any questions regarding this matter.  

Respectfully submitted,  

[Signature]  
Glenn Matthews  
President  
Matthews Bus Alliance, Inc.
ReGina Register  
Florida Department of Education  
Procurement Office  
332 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400  

RE: ITB #2020-16, Web Portal Access  

Dear Ms. Register:

Thomas Built Buses will be providing Parts and Service Manuals via online access to a website. This website, [http://www.thomasbusonline.com](http://www.thomasbusonline.com), will be made available to all entities that purchase a Thomas Built Bus as well as the FLDOE STMS.

Access to this site is granted after completing a registration form and submitting to your designated Florida Thomas Dealer.

Respectfully submitted,

Glenn Matthews  
President  
Matthews Bus Alliance, Inc.
ReGina Register
Florida Department of Education
Procurement Office
332 Turlington Building
325 West Gaines Street
Tallahassee, FL 32399-0400

RE: ITB #2020-16, LP, CNG & Electrification Engine Alternative Fuel Engines

Dear Ms. Register:

This letter is to certify that Matthews Bus Alliance, Inc., has an Optional Liquid Propane, Compressed Natural Gas and Electric Fuel Engine Option Description as required in ITB 2020-16, Page 30, Section 7.25. Pricing recorded on pricing pages Tab “OptAltEng”.

Bus will meet all Florida School Bus Specifications; Revised 2020.

**Liquid Propane (LP)**
- Engine Manufacturer – Power train Integration
  - Model – 8.0L LPG V8
  - 339 HP @ 4000 RPM
  - 500 lb ft torque estimated @ 3100 RPM
- Equivalent gas fuel capacity is 70 useable gallons *(optional 100 gallons available)*
- Allison 2300 series transmission
- Air brakes
- Wheelbases 219”, 238”, 259” & 279”

**Compressed Natural Gas (CNG)**
- Engine Manufacturer – Cummins
  - Model – ISBG
  - 240/560 HP @ 4500RPM
- Equivalent gas fuel capacity is 100 useable gallons
- Allison 2300 series transmission
- Air brakes
- Wheelbases 219”, 238”, 259” & 279”

**Electrification**
- Proterra Powertrain 220kWh energy storage system
- Traction motor
- Inverter
- Two speed transmission
- Battery thermal management system
- High voltage junction box
- Proterra CCS Type 1 chargeport and ESM
- Proterra telematics hardware
- Powertrain and body controllers
- Power steering pump
- Gear selector

**Electrification con’t…**
- Vehicle heaters
- Electric HVAC compressor
- Ancillary inverters
- Telematics ports/data - 1 year
- Operators Manuals
- Training Package(2 days at Customer site)
- Review options for accuracy
- Estimated Delivery time is 12 months from order confirmation
- Delivery to be determined
- FOB Dealer location

•  WWW.MATTHEWSBUSESFLORIDA.COM  •
Respectfully submitted,

[Signature]

Glenn Matthews
President
Matthews Bus Alliance, Inc.
ReGina Register  
Florida Department of Education  
332 Procurement Office  
324 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400

RE: ITB #2020-16, CNG Engine Alternative Fuel Engine

Dear Ms. Register:

This letter is to certify that Matthews Bus Alliance, Inc., has an Optional Alternative Fuel Engine Option Description as required in ITB 2020-16, Page 30, Section 7.26. Pricing recorded on pricing pages Tab "OptAltEng".

Bus will meet all Florida School Bus Specifications; Revised 2020, except where defined below including Allison transmissions.

Options Differing from Florida School Bus Specifications, Revised 2020:

<table>
<thead>
<tr>
<th>CNG Engine Alternatives</th>
<th>Cummins Engine L9N</th>
<th>Cummins Engine B6.7N</th>
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<tbody>
<tr>
<td>Horsepower</td>
<td>280 HP</td>
<td>250 HP</td>
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<tr>
<td>Peak Torque</td>
<td>900 LB-FT</td>
<td>660 LB-FT</td>
</tr>
<tr>
<td>Governed Speed</td>
<td>2200 RPM</td>
<td>2400 RPM</td>
</tr>
<tr>
<td>Number of Cylinders</td>
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<td>6 Cylinders</td>
</tr>
<tr>
<td>Aftertreatment System</td>
<td>Three-Way Catalyst</td>
<td>Three-Way Catalyst</td>
</tr>
<tr>
<td>Bus Type</td>
<td>HDX</td>
<td>C2</td>
</tr>
</tbody>
</table>

Respectfully submitted,

Glenn Matthews  
President  
Matthews Bus Alliance, Inc.

WWW.MATTHEWSBUSESFLORIDA.COM
ReGina Register  
Florida Department of Education  
Procurement Office  
332 Turlington Building  
325 West Gaines Street  
Tallahassee, FL 32399-0400

RE: ITB #2020-16, Bus Warranty

Dear Ms. Register:

This letter is to specify that all buses supplied via Florida ITB 2020-16 will be provided with a limited 5 year bumper-to-bumper chassis & body warranty. This limited warranty covers all components with exception to normal wear and tear consumable items which include but are not limited to: tires, batteries, belts, hoses, brake lining material, seals and items covered by specified extended warranties as stated in the Florida 2020-16 specifications, Revised 2020. This 5 year warranty is an extension of the 3 year standard warranties as listed by Thomas Built Buses with this bid submission. This 5 year warranty includes Wheelchair Lifts.

Note: Limited Rifled Air Conditioning (RAC) A/C Systems as listed on the Additional Optional Air-Conditioning Pricing Pages include a 6 year warranty which applies to RAC manufactured and installed components only. See optional extended warranties available.

Additional warranties included at no cost:
- Fuel Tanks for 10 years
- Frame Rails for 10 years
- Front/Rear Axles for 10 years

Respectfully submitted,

[Signature]

Glenn Matthews  
President  
Matthews Bus Alliance, Inc.
The Air Conditioning Maintenance form is a guideline to keep system performance at a maximum level. By following the check list, you will ensure that there is sufficient heat transfer and proper air flow. A properly maintained system will ensure maximum cooling, durability, and performance. NOTE: In order to maintain standard and extended RAC warranties for ITB: FL-DOE 2020-16 these guidelines must be followed and noted on the required RAC Air Conditioning Maintenance Form:

- **Compressor Belt(s):** Properly tension-ed belts ensure maximum compressor performance and belt life.

- **Condenser Coil (s):** Properly maintain and clean condenser coils to ensure maximum heat transfer and system performance.

- **Condenser Fan (s):** Inspect and ensure proper air flow across condenser coils which allows efficient heat transfer and ensure all fans are working when compressor is engaged.

- **Drain Lines:** Inspect and ensure that properly routed drain lines keep water from collecting in the evaporator drain pan.

- **Evaporator Coil (s) and Filter:** Properly maintain and clean evaporator coil and filters to ensure maximum heat transfer and peak system performance.

- **Evaporator Blower (s):** Inspect and ensure proper air flow across evaporator coils, which allows efficient heat transfer.

- **Refrigerant Hoses:** Inspect and ensure proper hose routing and support to prevent the possibility of refrigerant leaks.

- **Refrigerant Sight glass:** A properly maintained system will ensure the absence of moisture. Inspect sight glasses. Deep Green or Purple = Absence of Moisture, Yellow or Pink = Moisture is present.
FL-DOE 2020-16 Required RAC Air Conditioning Maintenance Form:
(NOTE: Systems must be maintained and recorded below per FLDOE requirements and RAC Mfg requirements in order to maintain RAC standard limited warranty and MBA extended warranties offered)

<table>
<thead>
<tr>
<th>Bus #</th>
<th>Mileage</th>
<th>RO#</th>
<th>Date</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Inspection Items</th>
<th>Deficiencies</th>
<th>Mechanic Initials</th>
<th>Schedule</th>
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</thead>
<tbody>
<tr>
<td>Compressor Drive Belt (s)</td>
<td></td>
<td></td>
<td>Monthly</td>
</tr>
<tr>
<td>Tension, Condition, Routing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compressor (s)</td>
<td></td>
<td></td>
<td>Monthly</td>
</tr>
<tr>
<td>Clutch, Mounting, Leaks, Noise</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Condenser Coil (s)</td>
<td></td>
<td></td>
<td>Monthly</td>
</tr>
<tr>
<td>Condition, Debris, Mounting, Leaks</td>
<td></td>
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<tr>
<td>Condenser Coil (s)</td>
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<tr>
<td>Clean with non-caustic cleaner</td>
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<tr>
<td>Condenser Fan (s)</td>
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<tr>
<td>Operation, Debris, Mounting, Wiring</td>
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<tr>
<td>Drain Line (s)</td>
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<tr>
<td>Restriction and Debris</td>
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<td>Evaporator Coil (s) and Inlet Air Filter (s)</td>
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<tr>
<td>Condition, Cleanliness, Leaks</td>
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<tr>
<td>Evaporator Coil (s)</td>
<td></td>
<td></td>
<td>Yearly</td>
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<tr>
<td>Clean with non-caustic cleaner</td>
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<tr>
<td>Evaporator Blower and Housing (s)</td>
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<td>Monthly</td>
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<tr>
<td>Operation and Mounting</td>
<td></td>
<td></td>
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<tr>
<td>Refrigerant Hoses</td>
<td></td>
<td></td>
<td>Monthly</td>
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<td>Routing, Leaks, Condition, Clamps</td>
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<td>Refrigerant Sight glass</td>
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<td>Monthly</td>
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<td>Charge and Moisture</td>
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<tr>
<td>Refrigerant Leaks</td>
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<td>Monthly</td>
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<tr>
<td>Oil stains or wetness</td>
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<tr>
<td>Overall System Performance</td>
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<td>Yearly</td>
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<tr>
<td>Air Temperature At Evaporators</td>
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</tr>
<tr>
<td>Ambient _____ Front _____ Rear _____</td>
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<td></td>
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</tbody>
</table>

Inspector Signature __________________________ Certification # ______________ Date ____________

WWW.MATTHEWSBUSESFLORIDA.COM
Whether there are 30 kids on a route, or just 14, any head count is large enough to make safety the paramount feature of our bus construction.

That’s why we equipped the compact Minotour with all the peace-of-mind features that come standard in our larger buses, like the one-piece skirt-to-skirt roof bows and wrap-around bumper. And while safety simply isn’t an option for the Minotour, you’ll find an impressive list of features that can be customized to your specifications. At Thomas Built, we’ve been building safe buses that meet all of your needs since 1936. And with one of the most extensive dealer networks in the industry, there’s always support nearby when you need it.

**SPECIFICATIONS**

- **Passenger capacity**: Up to 30
- **Wheelbase**
  - Ford® Chassis: 138” or 156”
  - GM® Chassis: 139” or 159”
- **GVWR**: SRW 10,100 lbs.; DRW 10,050-14,500 lbs.
- **Engine**
  - GM gas 4.8L, 6.0L, 6.6L V8
  - GM diesel 6.6L V8
  - Ford gas 5.4L, 8.3L, 6.8L V10
- **Propane option**
  - GM 6.2L LPG, with fully-integrated liquid propane injection system
- **CNG option**
  - GM 6.3L Vortec powered by IMPCO Automotive
SAFETY
- Meets or exceeds FMVSS/CMVSS
- Built like a full-size school bus
- Safety cage body construction with one-piece skirt-to-skirt roof bows
- Two internal roof crash rails for rollover protection
- Daytime running lights
- Four-wheel anti-lock brakes
- 42" x 47" glass-paneled rear emergency door

DRIVABILITY/COMFORT
- 73' interior headroom
- Interior dome lights
- Driver-friendly ergonomic instrument panel
- 6" x 16" interior rearview mirror with padded edges
- Thermal poly fiber insulation

DRIVER VISIBILITY
- Driver control panel placed overhead
- Manually operated front entrance door
- 306 square-inch Saf-T-Vue window

SERVICEABILITY
- Electronics mounted in interior service compartment with light
- Main circuit breaker located inside entrance door as master power to body
- Access to lights from inside the bus

OPTIONS
- Wheelchair lift with 44" wide door
- Remote control/heated mirrors
- Driver's step
- Electrically operated front entrance door
- Dash and rear A/C
- Various seat options available: bench seat without belts, with lap belts, with 3-point belts; latch, integrated child seat, or coach-style seating
- Roof hatch
- Third center LED brake light
- Child reminder system
- Crossing arms
- Acoustical headlining
- Manual reset electrical circuit breakers
- White roof
- Reading lights
- Overhead book racks

Integrating child seat with seatbelt is one of many seating options.

Wheelchair lift is optional for special needs applications.

The Saf-T-Vue window offers 306 square inches of glass for optimal exterior visibility.

Driver switches located overhead for easy access and enhanced loading visibility.
SAF-T-LINER®

C2

BODY SPECIFICATIONS

- Passenger Capacity
  - Up to 81

- Wheelbase
  - 158", 179", 199", 219", 238", 259", 279"

- GVWR
  - Up to 33,000 lbs

- Engine
  - Detroit® DD5™ engine (available late 2018)
    - 200 hp/560 lb-ft (2k or 3k transmission)
    - 220 hp/560 lb-ft (2k or 3k transmission)
    - 240 hp/660 lb-ft (2k or 3k transmission)
  - Cummins® B6.7 200-260 hp
  - Cummins® B6.7N with up to 240 hp
  - DriveForce 8.0L LPG 339 hp

- Telematics
  - Zonar® V3™ advanced telematics system
  - Detroit® Connect™ available on DD5 engine (available late 2018)

---

**Drive the future**

The ultra-efficient Detroit® DD5™ engine. Zonar® remote fleet management. The largest visibility footprint in the Type C category. State-of-the-art BusWise™ Technologies. These are just a few of the innovations that characterize the Saf-T-Liner® C2, the bus that revolutionized the school bus industry.

Why do we constantly challenge ourselves to develop the most advanced and intelligent school bus innovations on the market? We do it for the drivers who operate our buses, for the technicians who maintain them, for the school districts who invest in them, and for the school children who ride our buses every day. When we watch a C2 leave our factory, we love knowing that we're providing our customers the utmost in safety, efficiency and total cost of ownership. That's who we are at Thomas Built Buses.
SAFETY

- Outstanding visibility and safety
- One piece bonded windshield with panoramic view
- Low sloping hood and low instrument panel
- A-pillar windows
- Largest visibility footprint in type C category
- Saf-T-Net construction
  - Side skirt reinforcement
  - Roof bows
- Double-bolted body mounting clips
- Fuel tank mounted between frame rails
- Saf-T-Bond adhesive panels
- 33 3/4" high windows
- Meets or exceeds FMVSS/CMVSS

DRIVABILITY

- Up to 55-degree wheel cut*
- Tapered leaf suspension
- Obstruction-free open driver’s area
- Large overhead driver storage compartments
- Side storage for clipboards and personal items
- Customizable driver smart switch placement
- Non-reflective instrument panel
- Automotive-style heating and ventilation controls
- 78" full-height headroom
- Saf-T-Vue passenger loading window
- Low profile aerodynamic hood
- Instrument panel visibility through steering wheel

*depending on vehicle specifications

SERVICEABILITY

- Numbered fault code system for diagnostics
- Automated light checking system
- Mechanically fastened warning lights
- Easy “walk-in access” to engine compartment
- Passenger windows removable with only four screws
- Comprehensive DiagnosticLink® software
- Cummins® Stay Warm Feature to reduce DPF maintenance issues

TECHNOLOGY OPTIONS

- BusWise Technologies platform
  - Zonar telematics system
  - PV360™ camera
  - Collision avoidance systems
  - WiFi
  - Tire pressure monitoring system
  - Electronic Stability Control (ESC)
  - Detroit® Connect Virtual Technician™ remote diagnostics service (available with DDS engine only)

OPTIONS

- Tilt and telescoping steering wheel
- Adjustable pedals
- Air suspension driver’s seat with available heating
- Air ride suspension
- Air disc brakes
- Variety of AM/FM radio options with PA, Bluetooth, Weatherband, and speed sensing volume controls
- Remote control/heated mirrors
- In dash HVAC
- Variety of seating options:
  - Bucket seat without belts, with lap belts or with three-point belts
  - Latch seat
  - Integrated child seat
  - Coach-style seat
- LED light packages
- Engine exhaust brake
- Acoustical ceiling
- Luggage compartments
- Overhead book racks
- Reading lights
- Tinted windows
- Severe duty wiring harness
- Soft open/close hood
- Automatic headlights
- Trash can
- Cup holders
- FleetShield™ corrosion protection

New LED light option increases efficiency, brightness and longevity reducing your TCO.

The PV360 multi-camera provides a 360° view of virtually everything surrounding the C2.

Optional tilt and telescoping steering wheel and optional adjustable pedals give drivers of all sizes the comfort they deserve.

25% improved visibility versus the typical Type C bus.
The Thomas Built Buses Saf-T-Liner® C2 CNG, equipped with the Cummins ISB 6.7 G engine, is the industry's first Type C bus fueled by compressed natural gas (CNG). The C2 CNG bus offers excellent driver ergonomics and maneuverability along with the best visibility in its class. And, Thomas Built construction standards ensure outstanding safety and long-term durability. Plus, CNG creates up to 13% less greenhouse emissions than diesel. So, if you're looking for a greener version of your favorite yellow bus, talk to your Thomas Built dealer. They'll help you make the best alternative fuel decision for your fleet and even advise you on how to set up alternative fuel infrastructure.

**BODY SPECIFICATIONS**

- **Passenger capacity**
  - Up to 81

- **Wheelbase**
  - 219", 238", 259", 279"

- **GVWR**
  - Up to 33,000 lbs.

- **Engine**
  - Cummins ISB 6.7 G
  - HP: Up to 240
  - Torque: Up to 560 LB-FT @ 2400 rpm

- **Fuel tank**
  - 4-tank CNG System

- **Tank capacity**
  - 60 Diesel Gallon Equivalent
SAFETY
- Saf-T-Net construction
- Side skirt reinforcement
- Extended roof bows
- Welded header and rafter system
- Double bolted body mounting clips
- Fuel tank mounted between frame rails
- One-piece bonded windshield
- Saf-T-Bond adhesive joints
- Meets or exceeds FMVSS

DRIVABILITY/COMFORT
- Up to 55-degree wheel cut
- Additional leg room
- Large overhead driver's storage compartments
- Side storage for clipboards and personal objects
- Interchangeable driver smart switch placement
- LED backlit gauges
- Automotive-style heating and ventilation controls
- Automatic entrance door
- Full height 78" headroom

DRIVER VISIBILITY
- 25% improved visibility over typical Type C bus
- Saf-T-Vue passenger loading window
- Low profile aerodynamic hood
- Overlapping windshield wipers

SERVICEABILITY
- Numbered fault code system for diagnostics
- Easy "walk-in-access" to engine compartment
- Easy access to the windshield wiper motor and linkage

OPTIONS
- Wheelchair lift
- Tilt and telescoping steering wheel
- Adjustable pedals
- Air suspension driver's seat
- Air ride suspension
- AM/FM radio/CD/PA
- Remote control/heated mirrors
- Duct-vented dash A/C
- Various seat options available: bench seat without belts, with lap belts, with 3-point belts; latch, integrated child seat; or coach-style seating
- Child reminder system
- LED light packages
- Engine exhaust brake
- Acoustical ceiling
- Luggage compartments
- Overhead book racks

CNG BENEFITS
- Cleanest-burning alternative fuel
- Greenhouse gas emissions reduction up to 13% less than diesel
- Four fuel tanks (60 diesel gallon equivalent)
- Maintenance-free three-way catalyst aftertreatment
- Domestic fuel source reduces dependency on foreign oil

Our largest-in-class windshield increases loading zone visibility to keep your passengers safe.
The cockpit features increased overhead storage space and improved interior rearview mirror placement.
Optional tilt and telescoping steering wheel and optional adjustable pedals give drivers of all sizes the comfort they deserve.
The four-tank system offers a 60 diesel gallon equivalent.
Finding the right bus to transport your group is a lot of responsibility. You need something safe, reliable and versatile. Our Saf-T-Liner® C2 can be customized to meet your specific needs with unique features like coach-style seating, overhead roof racks, video systems and tinted windows.

The C2 continues to redefine industry standards, featuring outstanding maneuverability, state-of-the-art driver ergonomics and the most visibility among all Type C buses. And with one of the most extensive dealer networks in the industry, there's always support nearby when you need it. Innovation leads to great things at Thomas Built Buses. Namely, a better bus for everyone.

**SPECIFICATIONS**

- **Passenger capacity**: Up to 81
- **Wheelbase**: 158", 179", 199", 219", 238", 259", 279"
- **GVWR**: Up to 33,000 lbs.
- **Engine**: Cummins® ISB 200-260 HP
- **Propane option**: 8.0L V-8 LPG by Powertrain Integration
  - 350 hp with fully-integrated liquid propane injection system
- **CNG option**: Cummins® ISB 6.7 G
SAFETY
- Saf-T-Net construction
  - Side skirt reinforcement
  - Extended roof bows
  - Welded header and rafter system
- Double bolted body mounting clips
- Fuel tank mounted between frame rails
- One-piece bonded windshield
- Saf-T-Bond adhesive joints
- Meets or exceeds FMVSS

SERVICEABILITY
- Complete multiplex system, numbered fault code system
- Automated light checking system
- Easy "walk-in access" to engine compartment
- Easy access to the windshield wiper motor and linkage

DRIVABILITY/COMFORT
- Up to 55-degree wheel cut
- Tapered leaf suspension
- Open driver's area without obstructions
- Additional leg room
- Large overhead driver's storage compartments
- Side storage for clipboards and personal objects
- Adjustable seat belt
- Interchangeable driver Smart Switch placement
- Non-reflective instrument panel
- LED backlit gauges
- Automotive-style heating and ventilation controls
- Automatic entrance door
- Full height 78" headroom
- 33.3" high windows

OPTIONS
- Wheelchair lift
- Tilt and telescoping steering wheel
- Adjustable pedals
- Air suspension driver's seat
- Air ride suspension
- Heated driver's seat
- Cupholder
- AM/FM radio/CD/PA
- Remote control/heated mirrors
- Duct vented dash A/C
- Various seat options available: bench seat without belts, with lap belts, with 3-point belts, latch, integrated child seat, or coach-style seating
- Child reminder system
- LED light packages
- Engine exhaust brake
- Acoustical ceiling
- Luggage compartments
- Overhead book racks
- Reading lights
- Tinted windows
- Staggered passenger seating
- Customizable paint designs*
- Video systems*
- Some options only available through dealerships

Visit thomasbus.com for more information.
1408 Courtesy Road, High Point, NC 27260
Tel 336.889.4871 Fax 336.889.2589

*Optional equipment.
DON'T JUST DRIVE THE FUTURE. POWER IT.

INTRODUCING THE SAF-T-LINER® C2 JOULEY® ELECTRIC BUS.

All of the attributes you would expect from the legendary C2, but with no vehicle emissions, no noise pollution and even greater savings on maintenance and fuel costs.

The Saf-T-Liner® C2 Jouley® electric bus, which is ideal for in-town routes, is the latest chapter in our 100-year legacy of moving the industry—and our customers—forward with proven, sustainable options.

THE SAF-T-LINER C2 JOULEY OFFERS

- Up to 120-mile operating range
- Up to 220 kWh power
- Nominal charge in 2-3 hours at a DC charging station*

*To achieve advertised charging time, chargers must have an output of at least 73 amps.
What makes the Saf-T-Liner® C2 Jouley™ amazing?

ULTRA-SAFE DESIGN
- Safety-first construction
- Specialized battery packaging for increased safety
- Zero emissions reduce exposure to harmful emissions
- Quiet operations eliminate driver distractions and increase awareness of what's going on inside the bus

INNOVATIVE SOFTWARE TECHNOLOGIES
- Telematics system provides real-time fleet tracking, management and vehicle diagnostics
- Electronic control software interfaces with critical vehicle systems
- Includes fault detection and related management features
- Optimize battery economy while maintaining performance

REDUCED TOTAL COST OF OWNERSHIP
- Electric buses pay for themselves over a lifetime
- Reduced cost of fuel. Electricity is the lowest and most stable operating cost of any fuel
- Less mechanical failure vs. traditional vehicles due to simpler design
- Lower vehicle maintenance costs, including less frequent brake replacement, no oil changes and other savings

VEHICLE PERFORMANCE
- Full OEM vehicle performance
- Top speed of 65 mph
- No change to driver behavior required with automated driver cycles
- Regenerative braking
- Up to 220 kWh

SERVICE
- Comprehensive vehicle monitoring via telematics
- Predictive and real-time vehicle diagnostics for fleet managers
- Sales and service team support
- Less maintenance/service procedures required

ELECTRIC SYSTEM
- Power-Save/Economy mode to extend range when required
- Bilateral vehicle-to-grid capability
- 2-speed transmission
- Liquid cooled battery pack

DC POWER
- 295 peak horsepower
- 0-60 mph acceleration in 49 seconds depending on final drive rear axle ratio
- Standard SAE J1772 charging protocol
- Over-the-air battery management software updates
THE DETROIT DD5 ENGINE AVAILABLE IN THE SAF-T-LINER® C2 SCHOOL BUS
THE MOST ADVANCED ENGINE TECHNOLOGIES ENGINEERED TODAY

This next-generation medium-duty engine delivers unsurpassed efficiency with exceptional endurance. All while achieving the longest maintenance intervals in the industry for maximum uptime.

PERFORMANCE
• Meet your deadline every time
  - Components such as rear gear train and cast iron block are designed to minimize noise vibration harshness (NVH), resulting in a quieter engine that enhances driver and passenger safety
  - Simple fixed-geometry dual-stage turbo provides performance, efficiency, and reliability
  - Robust design provides B10 life of 400,000 miles
  - Integrated engine brake option provides superior braking horsepower and extended service brake life

ECONOMY
• Smart, fuel-efficient design makes the most of every gallon
  - Advanced common rail fuel system optimizes each injection event to minimize fuel consumption
  - Piston and cylinder design reduces friction and provides optimal combustion control resulting in better fuel economy and reduced emissions
  - Variable exhaust cam phasing technology allows additional heat to the exhaust stream to promote efficient operation of the aftertreatment system in low speed stop-and-go operation reducing the need for active regeneration
  - A state-of-the-art cooling system and variable-speed fan reduce fan on times and help maintain engine power and fuel efficiency
  - A 4-cylinder design, which provides just as much torque as a 6-cylinder, but with better fuel efficiency

SERVICEABILITY
• Best-in-class maintenance intervals of up to 45,000* miles help reduce downtime to keep you up and running
• Oil and fuel filters are positioned above the frame rails for easier, faster and cleaner filter changes
• Maintenance-free crankcase breather
• Detroit® Connect Virtual Technician™ helps you make informed service decisions within minutes of a fault event and provides actionable data that can improve passenger safety

DD5 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration</td>
<td>Inline 4 cylinder</td>
</tr>
<tr>
<td>Displacement</td>
<td>313 cu. in. (51 L)</td>
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<tr>
<td>Compression Ratio</td>
<td>17.6:1</td>
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<tr>
<td>Bore</td>
<td>4.33 in. (110 mm)</td>
</tr>
<tr>
<td>Stroke</td>
<td>5.3 in. (135 mm)</td>
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<tr>
<td>Weight (Dry)</td>
<td>1168 lb. (530 kg)</td>
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<tr>
<td>Electronics</td>
<td>DOE®</td>
</tr>
<tr>
<td>Service Fill (Oil &amp; Filter Change)</td>
<td>10.5 qg. (18 L)</td>
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<tr>
<td>Horsepower Range</td>
<td>200-240</td>
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<tr>
<td>Torque Range</td>
<td>560-680</td>
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</tbody>
</table>

COMPLIANCE
• The DD5 is certified to Greenhouse Gas (GHG17) standards, effective through 2020
• 2016 On-Board Diagnostics certified

DEMANDDETOIT.COM
### Maintenance Intervals

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<tr>
<th>Item</th>
<th>Miles</th>
<th>Kilometers</th>
<th>Hours</th>
<th>Hours</th>
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<tr>
<td>Engine Oil and Filter Change*</td>
<td>35,000</td>
<td>56,000</td>
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<td>1,500</td>
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<tr>
<td>Fuel Filter Change</td>
<td>35,000</td>
<td>56,000</td>
<td>1,000</td>
<td>1,500</td>
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<tr>
<td>Valve Lash Adjustment</td>
<td>70,000</td>
<td>113,000</td>
<td>2,300</td>
<td>3,000</td>
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<tr>
<td>DPF</td>
<td>&lt;190,000</td>
<td>&lt;308,000</td>
<td>&lt;6,300</td>
<td>6,300-7,500</td>
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<tr>
<td>DEF Pump Filter</td>
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</table>

*Maintenance intervals using Detroit Fluids Specification 52/0225 (DK-4) or 52/0233 (FA-4) Approved Oils.
Severe duty averages less than 10 miles per gallon (mpg) and operates under severe conditions.
Short haul is up to 60,000 annual miles (96,000 kilometers) and averages between 10.1 and 11.8 mpg.
*Engine hours or miles, whichever occurs first.

### Power Ratings

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<thead>
<tr>
<th>Engine Type</th>
<th>Power</th>
<th>Torque</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 HP @ 2200 RPM</td>
<td>560 lb-ft @ 1400 RPM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>220 HP @ 2200 RPM</td>
<td>560 lb-ft @ 1400 RPM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>240 HP @ 2200 RPM</td>
<td>660 lb-ft @ 1400 RPM</td>
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</table>

*200 HP engine not available for up-rate.

### Standard Warranty

<table>
<thead>
<tr>
<th>Item</th>
<th>Warranty Limits (Whichever Occurs First)</th>
<th>Repair Charge (Paid by Owner)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Months</td>
<td>Miles / Kilometers</td>
</tr>
<tr>
<td>Engine</td>
<td>0-90</td>
<td>100,000 miles / 160,000 km</td>
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</tbody>
</table>

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DETOUR™ DEMAND PERFORMANCE™

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SAF-T-LINER®

HDX

BODY SPECIFICATIONS

Passenger Capacity
- Up to 90

Wheelbase
- 181", 209", 236", 267", 277"

GVWR
- Up to 36,200 lbs

Engine Options
- Detroit® DD8™ 260-300 hp
- Cummins® B6.7 220-300 hp.
- L9 260-300 hp
- Cummins L9N 250-280 hp

Telematics
- Zonar® V3™ advanced telematics system
- Detroit® Connect™ available on DD8 engine

Outperform on every level

Start with an ergonomic driver environment and durable, safe construction. Add room for up to 90 passengers and all their equipment. Mix in outstanding long-route performance and comfort. And you have the Saf-T-Liner® HDX, a bus tough enough and versatile enough to handle it all.

Whether it's a snowy interstate or challenging city streets, the HDX was designed to navigate any situation with power, safety and style. Optional add-ons like front and rear bulkhead air conditioning, coach-style seating and pass-through underbody storage keep everyone on board comfortable over long distances and for the long haul.
SAFETY

- Meets or exceeds FMVSS/CMVSS
- Roof bows that extend to bottom of side panels
- Double rear bumper with exterior contoured steel bumper
- Double-bolted body mounting clips
- Fuel tank mounted between frame rails

SERVICEABILITY

- Exterior electrical access door
- Streamlined electrical center for easy identification and access
- Accessory module for customer aftermarket component hookup
- Fuse relay centers for circuit protection and easy diagnostics
- Front access service panel
- "S" shape drop-frame design at engine location
- Engine compartment accessible via three doors and interior access panel
- Easy access to engine fluids
- In-dash fault code display
- Lights equipped with plug-in connectors

TECHNOLOGY OPTIONS

- Zonar® telematics system
- Detroit™ Connect Virtual Technician® remote diagnostics service (available with DD8™ engine only)

DRIVABILITY

- Ergonomic driver\'s dash and switch panel
- Easy-to-read offset gauge cluster
- Tilt and telescoping steering wheel
- Suspended brake and accelerator pedals
- Footrest
- Up to 50-degree wheel cut
- Sound isolator over engine
- 78" of headroom
- Large two-piece curved bonded windshield
- Exterior mirror cluster with flat and convex rear-view mirrors and front crossover mirrors

OPTIONS

- Wheelchair lift
- Adjustable pedals
- Air suspension driver\'s seat
- Air ride suspension
- Heated driver\'s seat
- Front and rear bulkhead air conditioning
- AM/FM radio, CD player and PA system
- Remote controlled heated mirrors
- Reading lights
- Variety of seating options:
  - bench seat without belts, with lap belts, with 3-point belts
  - integrated child seat
  - coach-style seat
- Child reminder system
- Interior LED lighting packages
- Acoustical ceiling
- Undertody pass-through storage area
- Overhead book racks
- White roof
- Tinted windows
- Staggered passenger seating
- LED headlights

THOMAS BUILT BUSES

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You’re not simply responsible for transporting passengers from point A to school, and back. You’re setting an example for them. Which is why we launched the HDX with Compressed Natural Gas (CNG) more than 10 years ago, offering our customers a green, customizable transportation solution. The HDX CNG puts out up to 13% lower greenhouse gas emissions than diesel engines, while offering a range of options to meet the needs of drivers and passengers. Since 1936, Thomas Built has been building safe buses to meet the needs of passengers, drivers and the community. And with one of the most extensive dealer networks in the industry, there’s always support nearby when you need it.

**SPECIFICATIONS**

- **Passenger capacity**
  - Up to 90

- **Wheelbase**
  - 181", 238", 277"

- **GVWR**
  - Up to 36,200 lbs.

- **Engine**
  - Cummins ISL G 250, 280 HP
SAFETY
- Meets or exceeds FMVSS
- Roof bows extend to bottom of side panels
- Double rear bumper with exterior contoured steel bumper
- Double bolted body mounting clips
- CNG tanks protected in steel cage

DRIVABILITY/COMFORT
- Ergonomic driver’s dash and switch panel
- Easy-to-read offset gauge cluster
- Tilt and telescoping steering wheel
- Ergonomically sound brake and accelerator pedal configuration
- Foot rest
- 45-degree steering angle
- Sound isolator over engine
- 78” headroom

SERVICEABILITY
- Exterior electrical access door
- Streamlined electrical center for easy identification and access
- Customer accessory module for aftermarket component hookup
- Fuse relay centers for circuit protection and easy diagnostics
- Front access panel
- Drop-frame design at engine location
- Engine compartment accessible via three doors
- Easy access to fluids
- Display of fault codes in dash
- Lights equipped with plug-in connectors
- Easy access to CNG tanks

OPTIONS
- Wheelchair lift
- Adjustable pedals
- Air suspension driver’s seat
- Air ride suspension
- AM/FM radio/CD/PA
- Remote control/heated mirrors
- Reading lights
- Various seat options available: bench seat without belts, with lap belts, with 3-point belts, integrated child seats, or coach-style seating
- Child reminder system
- Crossing arms
- LED light packages
- Acoustical ceiling
- Underbody pass-through storage area
- Overhead book racks
- White roof
- Tinted windows
- Staggered passenger seating

CNG BENEFITS
- Greenhouse gas emissions reduction up to 13% lower than diesel
- Reliable and durable
- Maintenance-free three way catalyst aftertreatment
- Domestic fuel source reduces dependency on foreign oil
- Four fuel tanks (60 diesel gallon equivalent)

Visit thomasbus.com for more information.
1408 Courtesy Rd., High Point, NC 27260  Tel 336.889.4871  Fax 336.889.2589
Pack up the local ski team, youth group or brass band. The Saf-T-Liner® HDX from Thomas Built Buses was designed to make even the longest bus excursion feel like a quick jaunt. Heavy-duty shock absorbers take on any terrain, from mountain roads to narrow city streets, while the rear engine design keeps the ride nice and quiet for the driver. Options like coach-style seating, pass-through underbody storage, overhead book racks and air conditioning add comfort for up to 90 passengers. Yet, for all the attention we pay to comfort, nothing is more important than our unwavering commitment to safety, demonstrated by our drive to meet or often exceed FMVSS. And with one of the most extensive dealer networks in the industry, there's always support nearby when you need it.

**SPECIFICATIONS**

- **Passenger capacity**: Up to 90
- **Wheelbase**: 181", 209", 238", 267", 277"
- **GVWR**: Up to 36,200 lbs
- **Engine**: Cummins® ISB 220-300 HP, ISL 260-300 HP
- **Green option**: CNG – Cummins ISL G 250-280 HP
SAFETY
- Meets or exceeds FMVSS
- Roof bows extend to bottom of side panels
- Double rear bumper with exterior contoured steel bumper
- Double-bolted body mounting clips
- Fuel tank mounted between frame rails

DRIVABILITY/COMFORT
- Ergonomic driver’s dash and switch panel
- Easy-to-read offset gauge cluster
- Tilt and telescoping steering wheel
- Suspended brake and accelerator pedals
- Foot rest
- 45-degree steering angle
- Sound isolator over engine
- 78” headroom

DRIVER VISIBILITY
- Large two-piece curved bonded windshield
- Specially-developed integrated mirror system

SERVICEABILITY
- Exterior electrical access door
- Streamlined electrical center for easy identification and access
- Customer accessory module for aftermarket component hookup
- Fuse relay centers provide circuit protection and easy diagnostics
- Front access panel
- Drop-frame design at engine location
- Engine compartment accessible via three doors plus access panel
- Easy access to fluids
- Display of fault codes in dash
- Lights equipped with plug-in connectors

OPTIONS
- Wheelchair lift
- Adjustable pedals
- Air suspension driver’s seat
- Air ride suspension
- AM/FM radio/CD/PA
- Remote control/heated mirrors
- Reading lights
- Various seat options available: bench seat without belts, with lap belts, with 3-point belts; latch, integrated child seats; or coach-style seating
- Child reminder system
- LED light packages
- Acoustical ceiling
- Underbody pass-through storage area
- Overhead book racks
- Tinted windows
- Slaggered passenger seating
- Customizable paint designs
- Video systems
- Commercial bus windows
- Some options only available through dealerships

Coach-style seating provides passenger comfort for every type of trip.

Optional pass-through underbody storage ensures there is room for all your gear.

Optional commercial windows give the HDX a sleek transit look.

Above-seat racks provide extra storage for books, bags or luggage.

Visit thomasbus.com for more information.
1400Courtesy Rd., High Point, NC 27260
Tel 336.889.4871 Fax 336.889.2589
THE DETROIT DD8 ENGINE AVAILABLE IN THE SAF-T-LINER® HDX SCHOOL BUS
THE MOST ADVANCED ENGINE TECHNOLOGIES ENGINEERED TODAY

PERFORMANCE
• Simple fixed-geometry turbo design provides performance, efficiency, and reliability
• Robust design for an impressive B10 life of 400,000 miles
• Integrated engine brake option provides superior braking horsepower to extend service brake life
• Components such as rear gear train and cast iron block are designed to minimize noise, vibration, harshness (NVH), resulting in a quieter engine that enhances driver and passenger safety

POWER
• Usable power and torque reached at lower engine speeds, ideal for the demands of today's school bus

COMPLIANCE
• The DD8 is certified to Greenhouse Gas (GHG17) standards, effective through 2020
• 2016 On-Board Diagnostics (OBD) certified

ECONOMY
• Smart, fuel-efficient design makes the most of every gallon
  – Advanced common rail fuel system optimizes each injection event to minimize fuel consumption
  – Piston and cylinder design reduces friction and provides optimal combustion control resulting in better fuel economy and reduced emissions
  – Variable exhaust cam phasing technology allows additional heat to the exhaust stream to promote efficient operation of the aftertreatment system in low speed stop-and-go operation, reducing the need for active regen
  – A state-of-the-art cooling system and variable-speed fan reduce fan-on times and help maintain engine power and fuel efficiency

SERVICEABILITY
• Best-in-class maintenance intervals of up to 55,000 miles help reduce downtime to keep you up and running
• Oil and fuel filters are positioned above the frame rails for easier, faster, and cleaner filter changes
• Maintenance-free crankcase breather
• Detroit® Connect Virtual Technician helps you make informed service decisions within minutes of a fault event and provides actionable data that can improve passenger safety

DD8 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration</td>
<td>Inline 6 Cylinder</td>
</tr>
<tr>
<td>Displacement</td>
<td>7.75 cu in (127.1 L)</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>17.6:1</td>
</tr>
<tr>
<td>Bore</td>
<td>4.33 in (110 mm)</td>
</tr>
<tr>
<td>Stroke</td>
<td>5.33 in (135 mm)</td>
</tr>
<tr>
<td>Weight (dry)</td>
<td>1437 lb (652 kg)</td>
</tr>
<tr>
<td>Electronics</td>
<td>DDEC®</td>
</tr>
<tr>
<td>Service Fill (Oil &amp; Filter Change)</td>
<td>26.9 qt (25.5 L)</td>
</tr>
<tr>
<td>Horsepower Range</td>
<td>260–300</td>
</tr>
<tr>
<td>Torque Range</td>
<td>660–860</td>
</tr>
</tbody>
</table>
# Technical Specifications

## Maintenance Intervals

<table>
<thead>
<tr>
<th>Item</th>
<th>Severe Duty</th>
<th>Short-Haul</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Oil and Filter Change*</td>
<td>Miles: 45,000</td>
<td>Miles: 55,000</td>
</tr>
<tr>
<td></td>
<td>Kilometers: 72,000</td>
<td>Kilometers: 88,000</td>
</tr>
<tr>
<td></td>
<td>Hours: 1,500</td>
<td>Hours: 1,800</td>
</tr>
<tr>
<td></td>
<td>Months: 12</td>
<td>Months: 18</td>
</tr>
<tr>
<td>Fuel Filter Change</td>
<td>Miles: 45,000</td>
<td>Miles: 55,000</td>
</tr>
<tr>
<td></td>
<td>Kilometers: 72,000</td>
<td>Kilometers: 88,000</td>
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<tr>
<td></td>
<td>Hours: 1,500</td>
<td>Hours: 1,800</td>
</tr>
<tr>
<td></td>
<td>Months: 12</td>
<td>Months: 18</td>
</tr>
<tr>
<td>Valve Lash Adjustment</td>
<td>Miles: 90,000</td>
<td>Miles: 110,000</td>
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<tr>
<td></td>
<td>Kilometers: 145,000</td>
<td>Kilometers: 177,000</td>
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<tr>
<td></td>
<td>Hours: 3,000</td>
<td>Hours: 3,600</td>
</tr>
<tr>
<td></td>
<td>Months: 24</td>
<td>Months: 36</td>
</tr>
<tr>
<td>Diesel Particulate Filter</td>
<td>Replace every 3 years or 500,000 miles (805,000 km) (10,000 hrs.)</td>
<td></td>
</tr>
<tr>
<td>DEF Pump Filter</td>
<td>Replace every 3 years or 500,000 miles (805,000 km) (10,000 hrs.)</td>
<td></td>
</tr>
</tbody>
</table>

* Severe duty: average less than 6.5 miles per gallon (mpg) and operates under severe conditions.

## Power Ratings

<table>
<thead>
<tr>
<th>DD8 Engine Power Ratings</th>
<th>260 HP @ 2200 RPM</th>
<th>260 HP @ 2200 RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>660 lb-ft @ 1400 RPM</td>
<td>730 lb-ft @ 1400 RPM</td>
</tr>
</tbody>
</table>

## Standard Warranty

<table>
<thead>
<tr>
<th>Item</th>
<th>Warranty Limits (Whichever Occurs First)</th>
<th>Repair Charge (Paid by Owner)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Months</td>
<td>Miles / Kilometers</td>
</tr>
<tr>
<td>Engines</td>
<td>0-60</td>
<td>100,000 mi / 160,000 km</td>
</tr>
</tbody>
</table>
When it comes to our schools, every efficiency counts. That's why we've built so many into our updated Saf-T-Liner® EFX. Seating for up to 90 passengers and a wider loading aisle make this bus ready for whatever the school year brings. The cockpit is designed for driver comfort and safety with ample legroom and optimized access to controls. Plus, our engine cover allows for quick, easy and tool-free access to the engine, fluids and belts, keeping routine maintenance time to a minimum. At Thomas Built we listen to our drivers, mechanics and customers to help us develop the best buses on the road. And with one of the most extensive dealer networks in the industry, there's always support nearby when you need it.

**SPECIFICATIONS**

**Passenger capacity**
Up to 90

**Wheelbase**
136", 155", 174", 193", 212", 231"

**GVWR**
Up to 36,200 lbs.

**Engine**
Cummins® ISB 200-260 HP
SAFETY
- Meets or exceeds FMVSS
- Roof bows extend to bottom of side panels
- 12-gauge steel rear corner posts
- Double bolted body mounting clips
- Fuel tank mounted between frame rails

DRIVABILITY/COMFORT
- Redesigned driver cockpit with ergonomic switch placement and spacious seating area
- 45-degree wheel cut
- Electronic heater control module
- Passenger loading functions grouped together
- High capacity air cleaner
- 76" headroom
- Low-profile engine cover with 12.5% aisle width improvement
- Heavily insulated engine cover
- Extra storage for personal items or emergency equipment

SERVICEABILITY
- Access door for CDL belt check
- Convenient fluid-check hatch
- Industry-first engine access hood requires no tools to remove
- Streamlined electrical center for easy identification and access
- Fuse relay centers provide circuit protection and easy diagnostics
- Exterior electrical access door
- Front access to wipers, heater core and filter
- Lights equipped with plug-in connectors
- Display of fault codes in dash
- Customer accessory module for aftermarket component hookup

- Interactive dash information center with fuel mileage, tachometer reading, etc.
- Chassis electrical easily accessible in separate compartment

DRIVER VISIBILITY
- Maximum visibility windshield of 3,612 square inches

OPTIONS
- Wheelchair lift
- Tilt and telescoping steering wheel
- Heated driver's seat
- Air suspension driver's seat
- Rear air ride suspension
- Air conditioning
- AM/FM radio/CD/PA
- Dual radio capability
- Remote and heated mirrors
- Reading lights*
- Various seat options available: bench seat without belts, with lap belts, with 3-pt belts, integrated child seat, or coach-style seating
- Child reminder system
- LED light packages
- Acoustical ceiling
- Overhead storage
- Underbody storage compartment
- Tinted windows
- Staggered passenger seating
- Crossing arms
- White roof
* Some options only available through dealerships

Cockpit design allows for better driver comfort.
Easy engine access with no tools required.
Engine access provides wider aisle for passenger loading and quieter ride for drivers.
Exterior electrical access compartment for easy troubleshooting and service.

Visit thomasbus.com for more information
1408 Courtesy Rd., High Point, NC 27260
Tel 336.889.4871 Fax 336.889.2589
Industry's FIRST FLEXIBLE Integrated Child Seat

You No Longer Have To Lose Capacity When You Add An Integrated Child Seat.

As state and federal regulations change, you can be confident that your S3C Series Seating System will give you the flexibility to meet your immediate and future configuration needs. You can rest assured SynTec will provide parts and unmatched service for your seating systems now and for the years to come.

- Available in 45” and 39” widths
- Tested and certified for use for children 22-85 lbs.
- 5-point safety harness for enhanced safety
- Child seat modules easily fold into seat back when not in use
- Exclusive zip on/off seat back cover
- Available with or without seat belts

For more information, contact SynTec Seating Solutions Toll Free at 1-866-931-7328 ext. 297505
or visit our website at: www.SynTecSeating.com
The S3C Integrated Child Seat is the Industry's Best for Safety, Comfort and Maintenance.

As state and federal regulations change, you can be confident that your S3C Series Seating System will give you the flexibility to meet your immediate and future configuration needs. You can rest assured SynTec will provide parts and unmatched service for your seating systems now and for the years to come.

- Tested and certified for use for children 22-85 lbs.
- 5-point safety harness for enhanced safety
- Child seat modules easily fold into seat back when not in use
- Convertible to either an S3C Restraint or Lap/Shoulder configuration in less than 2 minutes
- Exclusive Zip on/off seat back cover
- Available with or without seat belts

For more information, contact SynTec Seating Solutions Toll Free at 1-866-931-7328 ext. 297505 or visit our website at: www.SynTecSeating.com
The Quick & Easy Seating Conversion System

SynTec's S3C Innovative "6-2-1" conversion system - 6 Bolts, 2 Minutes and 1 Torque" make changing seats Quick and Easy!

- Built For Safety - Meets all FMVSS and CMVSS Requirements
- No Loss of Capacity
- Available in Multiple Widths with Wall, Floor or Track Mount Configurations
- Exclusive Zippered Seat Back Cover

As state and federal regulations change, you can be confident that your S3C Series Seating System will give you the flexibility to meet your immediate and future configuration needs. You can also rest assured you are buying from a company that can provide parts and service for your seating systems now and for the years to come.

For more information or for a demonstration, contact SynTec Seating Solutions Toll Free at 1-866-931-7328 ext. 297505 or visit our website at www.SynTecSeating.com
Multiple Seating Needs
One Seating Solution

The S3C Series
Convertible School Bus Seating System from SynTec

With your school bus seating requirements constantly changing, the S3C Family of Convertible Seating can give you the flexibility to adapt your seating configuration in minutes! The S3C Series can easily be converted to accommodate a Restraint, Lap/Shoulder or Integrated Child Seat quickly and easily. The S3C's unique "6-2-1" conversion system - 6 Bolts, 2 Minutes and 1 Torque - is yet another example of SynTec's on-going commitment to customer satisfaction through innovation.

- Built For Safety - Meets all FMVSS and CMVSS Requirements
- No Loss of Capacity
- Available in Multiple Widths with Wall, Floor or Track Mount Configurations
- Unique Zippered Seat Back Cover for Fast Cover Changes

As seating regulations continue to change, you can be confident the S3C Series Seating System gives you the flexibility to meet your immediate and future seating needs. You can also rest assured you are buying from a company that can provide parts and service for your seating systems for the years to come.

For more information or for a demonstration, contact SynTec Seating Solutions toll free at: 1-866-931-7328 ext. 297505
or visit us at:
www.SynTecSeating.com
SYNTEC
SEATING SOLUTIONS
A Takata Company

Multiple Seating Needs
One Seating Solution!

SynTec's S3C Series,
The Convertible, Flexible Seating System

For more information contact:
Rick Smith - RickSmith@Takata.com
or Cell: 336-989-4809
Shane Wright - Shane.Wright@Takata.com
or Cell: 336-687-8884

www.SynTecSeating.com

3/2 Flexible Lap/Shoulder Belt Seat
- Recessed Buckle Pockets on Lap/Shoulder Bolts
- Zippered Back Cover Makes Replacement Easy and Fast!
- Replacement Covers and Parts Direct From OEM

Integrated Child Seat
- Tested and Certified for Children 22-65 lbs.
- Removable ICS Seat Pad For Easy Cleaning
- ICS Modules Easily Fold Into Seat Back When Not In Use
- Zippered Back Cover Makes Replacement Easy and Fast!

One Seating Solution For Multiple Seating Needs - With No Loss Of Capacity!
Multiple Seating Needs - One Seating Solution

6-2-1
Convertible Seating Solution

6 Bolts SIMPLE
2 Minutes SPEED
1 Torque SAFETY

SynTec's S3C Integrated Child Seat Features with Lap/Shoulder Belts

- ICS Belt Shoulder Adjustment
- Removable Pad for Cleaning
- ICS Belt Tension Adjustment
- Pad Folds Under for Additional Support
- ICS Folds Up When Not In Use
- Zippered Seat Back Cover

SynTec's S3C Lap/Shoulder Flex Seat Features

- Shoulder Height Adjustment Slide
- ISO Latch Install
- Same Footprint as Standard Seat
- Color Coded Belt Receivers
- Recessed Buckle Pocket

www.SynTecSeating.com
Saf-T-Anchor Removable Seat Mounting System

- Allows seats to be removed completely from inside the vehicle
- Uses standard wall mount seat frames
- Seats can only be re-installed from where they were removed

**More cost effective configurations**
- No longer have to buy continuous track
- No upcharge for track mounted seat frames
- Allows the use of pockets, Slide 'N Click or track segments for wheelchair positions

- Quicker and easier for customers to re-configure their buses to meet their ever-changing route needs
  - No guess work as to where seats must be reinstalled to meet FMVSS and CMVSS
  - Fewer fasteners

- Available with "S.T.A.R.S. compliant" options for wheelchair tie downs
  - Slide 'N Click
  - Track Segments
  - Continuous 4 piece track

- Available for SynTec S3C, S3B & IMMI seats
  - 30", 36", 39" & 45" width

- Meets all Federal (US & Canada) and State Regulations

***** AVAILABLE FOR ORDER JUNE 2016 *****

Because every mile matters™
The Century Series is an extremely versatile lift, designed to fit a variety of personal-use applications. The unique design allows the same lift to be used in the side or rear door of a full-size van, making it a great lift to keep in stock for faster service to your customers.

The Century Series features a 31" wide by 43" long platform.

The lift provides 42" of floor-to-ground reach and includes an “up/down” switch mounted on the switch arm, allowing the independent user to operate the lift.

In-door operators are available for Chevy/GMC and Ford side and rear swing doors. Side slide door operators are available for Chevy and Ford applications. 1992 and newer Ford vans with side slide doors need a slight modification to gain the additional width required.

As with all BraunAbility lifts, a number of options are available for your customers' convenience. Door operators offer the wheelchair user complete independence. Additional control stations allow the mobility package to be adapted to your customers' specific needs. And, for the ultimate in convenience, a remote control system will operate all lift and door functions.

- V.A. accepted
- Automatic fold and unfold
- Modular construction
- Durable powder-coated finish
- Integrated backup pump
- 8" automatic roll stop
- Designed for flat-floor and stepwell applications

- Designed for use with automatic door operators
- Can be used in vehicles without raised doors, maintaining “garageability.”
- Color-coded rocker switches are easily operated by those with limited dexterity
Century Series™ Models

NCL955IB3143-2

Explanations of abbreviations: NCL955 IB 31 43 -2
IB = Inboard Barrier
31 = 31" Clear Platform Width
43 = 43" Clear Platform Length
-2 = Non-Electric Lift

General Function: Electrohydraulic, power up/gravity down operation

Operation: Hydraulic pump with two lifting cylinders

Control: Module mounted switches, handrail Up/Down switch, optional hand-held control box, and optional remote

Hydraulic: Pressure Max. 2,495 psi, Fluid is Univis HVI 26, oil reservoir is .33 gal

Construction: Steel structure with powder coat finish

Power Supply: 12V DC

Current Consumption: Max. 70A (12V)
Century Series™ Dimensions

<table>
<thead>
<tr>
<th>Lift Model Number</th>
<th>Lift Weight (lbs)</th>
<th>Lifting Capacity (lbs)</th>
<th>Clear Platform Width</th>
<th>Clear Platform Length</th>
<th>Overall Lift Height</th>
<th>Max. Floor to Ground</th>
<th>Overall Lift Width</th>
<th>Min. Clear Door Opening Width</th>
<th>Min. Clear Door Opening Height</th>
<th>Threshold Area Depth</th>
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</thead>
<tbody>
<tr>
<td>NCL955IB3143-2</td>
<td>330</td>
<td>750</td>
<td>31&quot;</td>
<td>43&quot;</td>
<td>47-1/2&quot;</td>
<td>42&quot;</td>
<td>46&quot;</td>
<td>40&quot;</td>
<td>47&quot;</td>
<td>18&quot;</td>
</tr>
</tbody>
</table>

NHTSA Interlock Kit Options

- 36259: GM Interlock Kit - 2008 to 2014 Vans
- 36261: GM Plug & Play Kit* - 2008 to 2014 Vans
- 32541: GM Interlock Kit - 2001 to 2007 Vans
- 32543: GM Plug & Play Kit* - 2001 to 2002 Vans
- 36257: Ford Interlock Kit - 2008 to 2014 Vans
- 36260: Ford Plug & Play Harness* - 2008 to 2014 Vans
- 32538: Ford Interlock Kit - 2004 to 2007 Vans
- 33678: Ford Plug & Play Kit* - 2007 with Trans Code Q
- 36152: Ford Transit Connect Interlock Kit - 2010 to 2013 Vans
- 32544: Universal Interlock Kit

* Plug & Play Kits are used in conjunction with Interlock Kits

All dimensions are for reference only.
**NHTSA Installation Kits**

<table>
<thead>
<tr>
<th></th>
<th>Std. Length</th>
<th>Ext. Length</th>
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</thead>
<tbody>
<tr>
<td>Ford</td>
<td>30956K</td>
<td>30970K-42</td>
</tr>
<tr>
<td>Ford Transit Connect</td>
<td>35819K</td>
<td></td>
</tr>
<tr>
<td>GM</td>
<td>30958K</td>
<td>30981K</td>
</tr>
<tr>
<td>Sprinter (up to 2006)</td>
<td>28763K</td>
<td>31407K</td>
</tr>
<tr>
<td>Sprinter (2007 to 2011)</td>
<td>34474KS</td>
<td>34120KS</td>
</tr>
<tr>
<td>Nissan NV (2011 &amp; Up)</td>
<td>37438K</td>
<td></td>
</tr>
</tbody>
</table>

30955K (Standard Mounting Kit - Ships with all DPA lifts) - Van Mounting Kits contain floor reinforcements for 403/404 compliance.

**Door Operator Kits**

- **GM**
  - 62409-000: Side Swing In-Door Operators for pre-1996
  - 62403-000: Side Swing In-Door Operators for 1996 & Up
  - 62405-000: Rear Swing In-Door Operators for 1996 & Up
  - 32311A: Side Slide Door Operator for Pre-1997
  - 32313A: Side Slide Door Operator for 1997 & Up
  - 62400-000: Side Swing In-Door Operators for 1992 & Up (60/40)
  - 62402-000: Rear Swing In-Door Operators for 1992 & Up
  - 32311A: Side Slide Door Operator for Pre-1992
  - P50381A: Side Slide Door Operator (up to 2006)
  - P50333A: Rear Swing Door Operators (up to 2006)
  - 37648A: Side Slide Door Operator for 2011 & Up

Installation of 60000-series swing door operator kits requires the use of a template.
- 1996 & Up GM Vans: Side Left: 60461-000 Side Right: 60460-000
- 1992 & Up Ford Vans: Side Left: 60317-000 Side Right: 60318-000 Rear Left: 60392-000 Rear Right: 60393-000

**Century Series™ Lift Accessories**

- 33659KS: Replacement Hand-Held Control
- 33911K: Remote Control System
- 34352KS: Replacement/Extra Trans.
- 34948KS: Upper Tower Support Kit
- 33912K: Third Station Control
- 33913K: Outside Control Station
- 19395A96: Rear Bumper Replacement Kit for 1996 & Up GM

NOTE: When ordering 2001 and newer Ford Econoline and Club Wagon Chassis, use order code #762 to receive the painted rear bumper instead of the standard step bumper.
Century Series™ Specifications

THE BRAUNABILITY NCL955-2 CENTURY SERIES WHEELCHAIR LIFT SPECIFICATIONS
“Provided to make your spec writing easier.”

The wheelchair lift is compliant with Federal Motor Vehicle Safety Standard 403 for platform lift systems for motor vehicles. The lift shall have been tested to a minimum static load of 2400#. The lift shall have 800# rated lifting capacity. The base plate shall be a corrugated designed member to provide rigidity to minimize lift deflection when placed under load.

The power supply shall be a 12 volt electro-hydraulic system operating two single-acting cylinders. The hydraulic power pack system shall be of modular design allowing for easy removal and field replacement, if needed. The operation of the unit shall provide a smooth, jerk-free ride in both up and down directions. The power operation of the hydraulic cylinders shall be of a pull-type design for smooth lifting operation and improved synchronous arm movement. The pivot pins in the trunnion (knuckle) of the pivot arms shall be of stationary design. The hydraulic system shall be regulated by two separate relief valves, one of which is designed to prevent accidental stowing when occupied.

The hand control for lift operation shall be of a one-hand operation design made of durable plastic. The hand control will provide user with illuminated functions. The hand control cable shall be coiled with quick-change connections for ease of maintenance or field change.

The switch panel for lift operation shall be conveniently located and utilize wide paddle-type rocker switches designed for ease of operation by persons with limited use of their hands. Switches shall be permanently stamped with the appropriate function legend and color-coded, yellow for door open/close, orange for fold/unfold and red for lower/raise at peripheral control stations. Color-coded symbols shall appear on the lift instruction decals that correspond to the color of the switches to be operated.

A manual back-up system shall be provided to ensure operation of the lift in case of electrical failure. The backup system shall provide a reliable means of manually raising and lowering the lift while occupied. The back-up system shall fold and unfold the platform. The back-up pump shall be integrated with the hydraulic power pack system such that no hydraulic lines or fittings are required.

The platform shall be of steel construction and the surface shall be of see-through grating allowing for improved visibility and safer use in inclement weather. The platform shall have a usable wheelchair passageway width of 31 inches and a usable length of 43 inches.

The platform shall be automatically folded and unfolded and fully automatic in operation. The platform shall allow both inboard and outboard facing of wheelchair and mobility aid users. The platform entrance ramp shall be extruded aluminum for weight savings, have a rubber leading edge and raised ribs for traction. The outer barrier must not raise if occupied with 25 lbs. The outer barrier shall be the sole outboard wheelchair retention device and shall be interlocked and comply with the FMVSS 403 requirements. A switch arm shall be provided with a lower/raise switch positioned for the wheelchair passenger to use while on the platform. The lift must have a fail safe system to prevent stowing if solenoid welds.

All lift components shall be finished with a baked-on powder coating, which will meet a salt spray test of 1000 hours, to provide corrosion resistance and a long service life. BraunAbility Century Series to include but not limited to the following model numbers:

- NCL955IB3143-2

BraunAbility

www.braunability.com

ISO 9001:2008

631 West 11th Street, Winamac, IN 46996, USA
Phone: 574 946 6153 Fax: 574 946 4670

All illustrations, descriptions and specifications in this guide are based on the latest product information available at the time of publication. BraunAbility reserves the right to make changes at any time without notice.

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RIFLED AIR CONDITIONING SYSTEMS
Industry Leader in Product Innovation
LIMITED WARRANTY
and WARRANTY DISCLAIMER
for the Rifled Tube Coil Air Conditioning System Product

1. LIMITED WARRANTY.
RIFLED AIR CONDITIONING SYSTEMS (RAC) hereby warrants its unique high efficiency, high performance Rifled Coil Vehicle Air Conditioning System ("Product") to the original purchaser ("Purchaser") when installed in a Motor Coach vehicle application in either the U.S. or Canada. WARRANTY OFFERED HEREIN APPLIES ONLY TO DEFECTS IN MATERIALS AND WORKMANSHIP; with the decision to repair or replace parts covered herein to be at the sole discretion of RAC.

2. WARRANTY PERIOD.
Beginning the day the RAC product purchased is installed on and in a Commercial Coach. Recreational Vehicle or School Bus, including the Refrigerant Compressor, is warranted for a minimum period of 60 months (5 Years). All Rifled Coils used in both the Evaporator(s) and Condenser(s) are warranted for 60 months (5 Years). This warranty offering is without limitation to either vehicle distance traveled or operating hours accrued. A/C systems BH2233 & BH2241 come with a standard warranty of 72 months (6 Years) for FLDOE ITB 2020-16.

3. WARRANTY COVERAGE.
This warranty specifically covers all major components of the product either manufactured by, or under the direction of, RAC, such as, but not limited to, the Freon Refrigerant Compressor(s), Evaporator(s) and Condenser(s). The cost of replacing Refrigerant is covered ONLY if the Freon loss was due to a defective part covered under warranty. Any item repaired or replaced under warranty will remain under warranty until the end of the original warranty period as described in Item 2 above, or for 90 days from the date of repair or replacement, whichever is longer.

4. ITEMS NOT COVERED BY WARRANTY.
Excluded from warranty are RAC Products improperly installed, modified in any way without prior written approval from RAC, disassembled or tampered with by anyone other than RAC, and products damaged by negligence, misuse, abuse, accident, chemical corrosion, fire, water, explosion or vandalism. Products damaged by the original purchaser or any other third party, including a vehicle dealer or service facility while performing work, are not warranted by RAC. Service items requiring either replacement or adjustment such as, but not limited to, filters, belts, lubricants, etc. are not covered under warranty. This warranty does not apply to any RAC Air Conditioning system not properly serviced according to manufacturer recommendation and/or specification. (See any A/C Addendum's provided with any state bids i.e., FL DOE) Any cost incurred by the Purchaser including damage to or loss of vehicle, or any part thereof, for transporting the vehicle to a RAC dealer or service center, loss of time or operating revenue or cost of using an alternate replacement vehicle is not covered. Product failures as the result of an Act of God, such as, but not limited to, lightning, earthquake, windstorm, tornado, hurricane or flood are not covered. RAC has a formal company policy to continually improve the design and reliability of all its products. Should the design of the product purchased be changed at some future date, RAC has no obligation to the Purchaser to "up grade" the product purchased to a new specification standard.

5. OBTAINING WARRANTY SERVICE.
To obtain warranty service for the RAC product covered herein, the product purchased must be returned to any authorized RAC dealer or service center. All warranty claims shall be within the stated warranty period. A person applying for warranty service shall provide proper documentation that he (or she) is both the original owner and date warranty commenced.

6. COMPLETE WARRANTY.
The WARRANTY OFFERED AND DESCRIBED HEREIN IS THE COMPLETE WARRANTY FOR THE PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OR ABILITY TO SUCCESSFULLY PERFORM A SPECIFIC PURPOSE OR JOB APPLICATION AND RAC HEREBY DISCLAIMS AND BUYER (whether OEM, Dealer or End User Purchaser) HEREBY WAIVES ANY OBLIGATION, LIABILITY, RIGHT, CLAIM, OR DEMAND IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY, PATENT INFRINGEMENT, OR OTHERWISE WITH RESPECT TO THE RAC PRODUCT FURNISHED.

7. AUTHORITY TO CHANGE OR MODIFY.
The warranty described and defined herein can only be changed or modified by RAC personnel. This includes all terms, conditions, limitations, rights or obligations. Should RAC offer a different warranty in the future, it shall apply only to products sold when it is effective, and the terms, conditions and limitations of this warranty will not be transferable or subject to upgrading.

RIFLED AIR CONDITIONING SYSTEMS ©
2810 Eastham Place
High Point, N.C. 27263
800-627-1707 or 336 - 434 - 1000
FAX : 336 / 861 - 4646
59 10-1
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10/21/K
Cummins School Bus Extended Coverage Plan

Coverage
Cummins School Bus Extended Coverage Plan (Plan) is available to be purchased for all eligible Cummins Engines marketed under the trademark "Cummins", "Cummins ReCon®" or "Cummins Westport" and used in school bus* applications in the United States** and Canada. The specific Engine covered is designated on the accompanying Certificate.

This Plan covers any failure of the Engine which results, under normal use and service, from a defect in Cummins material or factory workmanship (Covered Failure).

This Plan begins on the expiration of the Cummins Base Engine Warranty applicable to the Engine. Coverage ends at the time, miles (kilometers) or hours specified on the accompanying Certificate, whichever occurs first, AS MEASURED FROM THE CUMMINS BASE ENGINE WARRANTY START DATE.

Cummins Responsibilities
Cummins will pay for all parts and labor needed to repair the damage to the Engine resulting from a Covered Failure.
Cummins will pay for the lubricating oil, antifreeze, filter elements and other maintenance items that are not reusable due to the Covered Failure.
Cummins will pay reasonable costs for Engine removal and reinstallation when necessary to repair a Covered Failure.

Owner Responsibilities
Owner is responsible for the operation and maintenance of the Engine as specified in the applicable Cummins Operation and Maintenance Manual. Owner is also responsible for providing proof that all recommended maintenance has been performed.

Before the expiration of this Coverage, Owner must notify a Cummins distributor, authorized dealer or other repair location approved by Cummins of any Covered Failure and make the Engine available for repair by such facility. Owner is also responsible for delivering the vehicle to the repair location or for the expenses associated with travel to and from the repair location if unable to deliver. Service locations are listed on the Cummins Worldwide Service Locator at cummins.com.

Owner is responsible for non-Engine repairs, "downtime" expenses, cargo damage, fines, passenger delays, all applicable taxes, all business costs and other losses resulting from a Covered Failure.

Owner is responsible for communication expenses, meals, lodging and similar costs incurred as a result of a Covered Failure.

Owner is responsible for the costs to investigate complaints, unless the problem is caused by a covered defect in Cummins material or factory workmanship.

Limitations
Engines with an emissions certification listed below must be operated using only diesel fuel having no more than the corresponding maximum sulfur content. Failure to use the specified fuel (see also Cummins Fuel Bulletin #3379001) can damage the Engine and aftertreatment system within a short period of time. This damage could cause the Engine to become inoperable and failures attributable to the use of incorrect fuels will be denied Warranty Coverage.

Maximum sulfur levels by emissions certification level as listed on the Engine's dataplate are:

<table>
<thead>
<tr>
<th>Certification Level</th>
<th>Maximum Sulfur Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA 2007/2010/2013</td>
<td>max. 15 parts per million</td>
</tr>
<tr>
<td>EPA Tier 4 Interim/Final</td>
<td>max. 15 parts per million</td>
</tr>
<tr>
<td>EU Stage III B 2011</td>
<td>max. 15 parts per million</td>
</tr>
<tr>
<td>Euro 4/5</td>
<td>max. 50 parts per million</td>
</tr>
<tr>
<td>Euro 6</td>
<td>max. 15 parts per million</td>
</tr>
</tbody>
</table>

Cummins is not responsible for failures resulting from incorrect modifications or alterations to the Engine or adjustments that significantly alter the Engine's operating characteristics. Failures, other than those resulting from a defect in material or factory workmanship, are not covered by this Plan.

Cummins is not responsible for failures or damage resulting from what Cummins determines to be abuse or neglect, including but not limited to: operation without adequate coolants or lubricants; overfueling; overspeeding; lack of maintenance of cooling, lubricating or intake systems; improper storage, starting, warmup, run-in or shutdown practices; unauthorized modifications to the Engine. Cummins is also not responsible
for failures caused by incorrect oil or fuel, or by water, diesel exhaust fluid, dirt or other contaminants in the fuel, oil or diesel exhaust fluid.

Aftertreatment components are not covered by this Plan.

This Plan does not apply to accessories supplied by Cummins which bear the name of another company. Such non-warranted accessories include, but are not limited to: alternators, starters, fans, air conditioning compressors, clutches, filters, transmissions, torque converters, steering pumps, non-Cummins fan drives, engine compressors, brakes and air compressors.

Cummins branded alternators and starters are not covered by this Plan.

This Plan does not apply to maintenance components, including, but not limited to: fuel injectors, injection and fuel pumps, STC hydraulic tappets, STC oil control valves, turbochargers, air compressors, fan clutches, water pumps, fan hubs, fan idler pulley assemblies, belt tensioners, vibration dampers, valve lash, belts and hoses.

Parts used in repairs of a Covered Failure may be new Cummins parts, Cummins approved rebuilt parts or repaired parts. Cummins is not responsible for failures resulting from the use of parts not supplied by Cummins.

A new Cummins or Cummins approved rebuilt part used to repair a Covered Failure assumes the identity of the part it replaced and is entitled to the remaining Coverage hereunder.

This Plan is transferable to subsequent Owners of the Engine by notifying a Cummins Distributor within 90 days of the transfer of ownership.

Excessive oil consumption or blowby is not covered under this Plan.

This Plan does not duplicate other Coverage applicable to the Engine.

Fees paid for this Plan are not refundable.

CUMMINS DOES NOT COVER WEAR OR WEAROUT OF COVERED PARTS.

CUMMINS IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

CUMMINS RESERVES THE RIGHT TO INTERROGATE ELECTRONIC CONTROL MODULE (ECM) DATA FOR PURPOSES OF FAILURE ANALYSIS.

EXCEPT FOR THE PUBLISHED CUMMINS ENGINE WARRANTY APPLICABLE TO THE ENGINE, THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

In the United States** and Canada, this Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

* A vehicle used to transport students to and from school. Vehicle must be painted yellow, should have warning lights and the words 'SCHOOL BUS' written on the front and rear roof caps. The requirements pertaining to paint color, warning lights and 'SCHOOL BUS' inscription would not apply if the vehicle is exclusively used to transport students for school related activities and it is owned by a school district.

** United States includes American Samoa, the Commonwealth of Northern Mariana Islands, Guam, Puerto Rico and the U.S. Virgin Islands.

Coverage I.D.: NEC
Coverage I.D.: REC
Coverage I.D.: CWB
Cummins Protection Plan Plus

Coverage
This Extended Coverage Plan (Plan) is available to be purchased for all eligible Cummins Engines used in automotive applications marketed for use Worldwide under the trademark "Cummins", "Cummins ReCon®" or "Cummins Westport".
This Plan covers any failure of the Engine which results, under normal use and service, from a defect in Cummins material or factory workmanship (Covered Failure).
This Plan begins on the expiration of the Cummins Base Engine Warranty applicable to the Engine. Coverage ends at the time, miles (kilometers) or hours specified on the accompanying Certificate, whichever occurs first, AS MEASURED FROM THE CUMMINS BASE ENGINE WARRANTY START DATE.

Cummins Responsibilities
Cummins will pay for all parts and labor needed to repair the damage to the Engine resulting from a Covered Failure.
Cummins will pay for the lubricating oil, antifreeze, filter elements and other maintenance items that are not reusable due to the Covered Failure.
Cummins will pay reasonable labor costs for Engine removal and reinstallation when necessary to repair a Covered Failure.

Owner Responsibilities
Owner is responsible for operation and maintenance of the Engine as specified in the applicable Cummins Operation and Maintenance Manual. Owner is also responsible for providing proof that all recommended maintenance has been performed.
Before the expiration of this Plan, Owner must notify a Cummins distributor, authorized dealer or other repair location approved by Cummins of any Covered Failure and make the Engine available for repair by such facility. Service locations are listed on the Cummins Worldwide Service locator at cummins.com.
Owner is responsible for all towing and/or travel expenses incurred as a result of a Covered Failure for Engines used in automotive applications.
Owner is responsible for the cost of lubricating oil, antifreeze, filter elements, belts, hoses and other maintenance items provided during covered repairs unless such items are not reusable due to the Covered Failure.
Owner is responsible for communication expenses, meals, lodging and similar costs incurred as a result of a Covered Failure.
Owner is responsible for non-Engine repairs, "downtime" expenses, cargo damage, fines, all applicable taxes, all business costs and other losses resulting from a Covered Failure.
Owner is responsible for the costs to investigate complaints, unless the problem is caused by a covered defect in Cummins material or factory workmanship.

Limitations
Engines with an emissions certification listed below must be operated using only diesel fuel having no more than the corresponding maximum sulfur content. Failure to use the specified fuel (see also Cummins Fuel Bulletin #3379001) can damage the Engine and aftertreatment system within a short period of time. This damage could cause the Engine to become inoperable and failures attributable to the use of incorrect fuels will be denied Warranty Coverage.

Maximum sulfur levels by emissions certification level as listed on the Engine's dataplate are:

- EPA 2007/2010/2013 max. 15 parts per million
- EPA Tier 4 Interim / Final max. 15 parts per million
- EU Stage IIIB 2011 max. 15 parts per million
- Euro 4/5 max. 50 parts per million
- Euro 6 max. 15 parts per million

Cummins is not responsible for failures resulting from incorrect modifications or alterations to the Engine or adjustments that significantly alter the Engine's operating characteristics. Failures, other than those resulting from a defect in material or factory workmanship, are not covered by this Plan.
Cummins is not responsible for failures or damage resulting from what Cummins determines to be abuse or neglect, including, but not limited to: operation without adequate coolants or lubricants; overfueling; overspeeding; lack of maintenance of lubricating, cooling or intake systems; improper storage, starting, warm-up, run-in or shutdown practices; unauthorized modifications of the Engine. Cummins is also not responsible for failures caused by incorrect oil or fuel, or by water, diesel exhaust fluid, dirt or other contaminants in the fuel, oil or diesel exhaust fluid.

Aftertreatment component failures are not covered by this Plan.

Belts and hoses are not covered by this Plan.

This Plan does not apply to accessories supplied by Cummins which bear the name of another company. Such non-warranted accessories include, but are not limited to: alternators, starters, fans, air conditioning compressors, clutches, filters, transmissions, torque converters, steering pumps, non-Cummins fan drives, engine compression brakes and air compressors. Cummins branded alternators and starters are not covered by this Plan.

Parts used to repair a Covered Failure may be new Cummins parts, Cummins approved rebuilt parts or repaired parts. Cummins is not responsible for failures resulting from the use of parts not approved by Cummins.

A new Cummins or Cummins approved rebuilt part used to repair a Covered Failure under this Plan assumes the identity of the part it replaced and is entitled to the remaining Coverage hereunder.

This Plan is transferable to subsequent Owners of the Engine by notifying a Cummins Distributor within 90 days of the transfer of ownership.

This Plan does not duplicate other Coverage applicable to the Engine.

Fees paid for this Plan are not refundable.

CUMMINS DOES NOT COVER WEAR OR WEAROUT OF COVERED PARTS.

CUMMINS IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

CUMMINS RESERVES THE RIGHT TO INTERROGATE ELECTRONIC CONTROL MODULE (ECM) DATA FOR PURPOSES OF FAILURE ANALYSIS.

EXCEPT FOR THE PUBLISHED CUMMINS ENGINE WARRANTY APPLICABLE TO THE ENGINE, THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OR OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

In the United States* and Canada, this Warranty gives you specific legal rights, and you may also have other rights, which vary from state to state or province to province.

Outside the United States* and Canada, in the case of consumer sales, in some countries the Owner has statutory rights, which cannot be affected or limited by the terms of this Warranty. Nothing in this Warranty excludes or restricts any contractual rights the Owner may have against third parties.

* United States includes American Samoa, the Commonwealth of Northern Mariana Islands, Guam, Puerto Rico and the U.S. Virgin Islands.

Coverage I.D.: EXC
Coverage I.D.: RCX
8.0L V8 LPG ENGINE LIMITED WARRANTY

A. BASIC DESCRIPTION OF COVERAGE

Powertrain Integration provides a limited warranty on the Powertrain Integration 8.0L V8 LPG engine in your vehicle, the period of which varies with the vocation of your vehicle as defined in the table below and which is covered in more detail in the Powertrain Integration 8.0L V8 LPG Operator's Manual.

In addition to the Powertrain Integration limited warranty, CleanFuel USA offers a limited warranty on the Engine Fuel System, the period of which varies with the vocation of your vehicle as defined in the table below and which is covered in more detail in the CleanFuel USA Dedicated Liquid Propane Injection 8.0L V8 Engine Operator's Manual.

<table>
<thead>
<tr>
<th>Warranty Period</th>
<th>Vocation</th>
<th>Months</th>
<th>Miles/km/hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>School Bus</td>
<td>0 - 60</td>
<td>100,000 miles</td>
<td>160,000 km</td>
</tr>
<tr>
<td>Delivery</td>
<td>0 - 24</td>
<td>UNLIMITED or 2,000 hours</td>
<td></td>
</tr>
</tbody>
</table>

Please contact your vehicle dealer to obtain service for your vehicle. Your dealer will help arrange for repairs at a Powertrain Integration Authorized Service Provider.

To locate a Powertrain Integration Authorized Service Provider, please visit service.PowertrainIntegration.com

B. LIMITED WARRANTY OVERVIEW

Assumptions:
1. Powertrain Integration and CleanFuel USA are providing limited warranty coverage for a specified period (warranty expires by either time or mileage/hours, based on whichever criteria are met first) based on vehicle in-service date. Emissions components will additionally be covered for durations specified by the EPA or CARB emissions performance and defect warranties. Components covered under emissions warranties are responsibility of same party as for base warranty.
2. Content to be covered includes CleanFuel USA Engine Fuel System and specified related components mentioned below or identified in the CleanFuel USA Dedicated Liquid Propane Injection 8.0L V8 Engine Operator's Manual, Section V, "CleanFuel USA WARRANTY."
3. Powertrain Integration will administer warranty in accordance with the description provided in the Warranty Section in the Powertrain Integration 8.0L V8 LPG Operator's Manual.
4. All Powertrain Integration warrantable parts will ship to Powertrain Integration Authorized Service Providers from Powertrain Integration.
5. All CleanFuel USA warrantable parts will ship to authorized Powertrain Integration Authorized Service Providers from CleanFuel USA.
6. Transportation costs, such as towing, are generally covered under warranty, but require pre-approval.
7. All warranty repairs must be completed by Powertrain Integration Authorized Service Providers.
8.0L V8 LPG ENGINE LIMITED WARRANTY (continued)

Exclusions:

1. Specified components such as the power steering pump, air conditioning compressors, and equipment not installed by Powertrain Integration or CleanFuel USA are not covered by the Powertrain Integration limited warranty. Refer to Powertrain Integration 8.0L V8 LPG Operator's Manual Section V for warranty responsibility.

2. Components that have failed due to physical damage caused by abuse and/or improper operation.

3. Components that have failed due to vehicle modification or alteration.

4. Exclusions as detailed in the Powertrain Integration 8.0L V8 LPG Operator's Manual and the CleanFuel USA Dedicated Liquid Propane Injection 8.0L V8 Engine Operator's Manual, specifically including the following:
   • Damage or loss caused in whole or in part by the acts or omissions of any kind by any party other than Powertrain Integration or CleanFuel USA;
   • Damage to or from a non-covered part.
   • Damage or loss caused in whole or in part by misuse, abuse, negligence, theft, abnormal operation, vandalism, alteration or modification of the Engine, improper installation, lack of maintenance, unauthorized repair(s) or failure to follow instructions supplied with the Engine;
   • Damage(s) or loss caused by any operation of the Engine with fuels, oils or lubricants that are contaminated, lacking or under-filled or unsuitable for the Engine, including a breakdown caused by the failure to replace seals or gaskets in a timely manner;
   • Damage or loss caused by continued operation of an impaired Engine with knowledge, or a reason to suspect, that a defective condition exists;
   • Damage or loss occurring during shipment (claims must be presented to carrier);
   • Damage or loss caused whole or in part by exposure to natural atmospheric elements or corrosive chemicals;
   • Damage or loss caused in whole or in part from a collision or comprehensive loss;
   • Blown head gaskets, seals or gaskets, fluid leaks, cracked heads or block, overheating or other engine failures caused by a lack of suitable fluids, improper maintenance or continued operation of an impaired vehicle;
   • Damage or loss to the Engine and/or vehicle caused by collision, misuse, lack of maintenance, lubrication, cooling and/or intake systems, unauthorized modifications of the Engine, over fueling, road conditions, negligence, overloading, fires, floods, riots, acts of war, acts of God, commission of any crime;
   • A gradual reduction in operating performance due to normal wear and tear, such as, but not limited to: valve guides, valves, rings or oil consumption, or normal maintenance items;
   • Equipment, components, items, materials, products or goods that are manufactured or supplied by companies other than Powertrain Integration, or which are separately warranted by another manufacturer or supplier of such equipment and/or components is the warrantor of these said items;
   • Routine maintenance of the Engine.
   • Use of fuel other than HD-5 Automotive Grade Liquid Propane Autogas Fuel.
   • System performance caused by operation in ambient temperatures below -20°F or above 110°F, including:
     • Slow or no fills caused by high tank temperature.
     • Long cranks or no-starts cause by high system pressures.
     • Rough Idle, lacks performance, or stalling caused by high system pressures.
     • Propane venting through pressure relief system caused by tank pressures above 312 PSI.
     • Propane leak / odor at temperatures below -20°F.
     • Road hazards, misuse, abuse, neglect, accidents, collision, fire, theft, freezing, vandalism, riot, explosion, or objects striking the vehicle.
   • Exposure of the Powertrain Integration or CleanFuel USA parts to excess moisture, water, or any motor vehicle fluids.
   • Normal wear and tear, including noise, vibration, cosmetic conditions and other deterioration caused by normal wear and tear.
8.0L V8 LPG ENGINE LIMITED WARRANTY (continued)

- Incidental or consequential damages arising from a vehicle failure or defects in the Powertrain Integration system including, without limitation, inconvenience, cost of transportation including rental vehicles, telephone calls, meals, accommodations, loss of personal or commercial property, loss of pay, income, profits, or business opportunities.
- Vehicle manufacturer recalls or service campaign warranty claims.
- Appearance items that results from use and/or exposure to the elements including, but not limited to, rain, snow, excessive heat or cold, lightning, hail, windstorm, earthquake, road salt, water or flood; surface corrosion, chips, dents, scratches, customer neglect or normal wear and tear.

<table>
<thead>
<tr>
<th>8.0L LPG ENGINE WARRANTY</th>
<th>8.0L LPG WARRANTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>COVERED PARTS</td>
<td>COVERED PARTS</td>
</tr>
<tr>
<td><strong>School Bus</strong></td>
<td><strong>School Bus and Delivery Vehicle</strong></td>
</tr>
<tr>
<td>5 Years, 100,000 miles / 160,000 km*</td>
<td>2 Years, 24,000 miles / 38,500 km*</td>
</tr>
<tr>
<td>*Whichever occurs first, $10,000 per engine.</td>
<td>*Whichever occurs first,</td>
</tr>
<tr>
<td><strong>Delivery Vehicle</strong></td>
<td></td>
</tr>
<tr>
<td>2 Years, Unlimited miles or 2,000 hours*</td>
<td>Air Brake Compressor Bracket</td>
</tr>
<tr>
<td>*Whichever occurs first, $10,000 per engine.</td>
<td>Air Brake Compressor Pulley</td>
</tr>
<tr>
<td>Camshaft</td>
<td>Crankshaft Balancer</td>
</tr>
<tr>
<td>Connecting Rods</td>
<td>Crankshaft</td>
</tr>
<tr>
<td>Crankshaft</td>
<td>Crankshaft Pulley (Dual A/C)</td>
</tr>
<tr>
<td>Crankshaft Balancer Bolt</td>
<td>Engine Harness</td>
</tr>
<tr>
<td>Crankshaft Reluctor Wheel</td>
<td>Front Engine Mount</td>
</tr>
<tr>
<td>Cylinder Head Bolts</td>
<td>Heater Valve Bracket</td>
</tr>
<tr>
<td>Cylinder Head Gasket</td>
<td>Idler Pulleys</td>
</tr>
<tr>
<td>Cylinder Heads</td>
<td>Injector Harness</td>
</tr>
<tr>
<td>Engine Block</td>
<td>Main Accessory Drive Bracket</td>
</tr>
<tr>
<td>Exhaust Manifold Gasket</td>
<td>Molded Air Induction Tube</td>
</tr>
<tr>
<td>Exhaust Manifolds</td>
<td>Oil Cooler Bypass Adapter</td>
</tr>
<tr>
<td>Front Timing Cover</td>
<td>Oil Filter Fitting</td>
</tr>
<tr>
<td>Front Timing Cover Seal</td>
<td>Oil Pan and Drain Plug</td>
</tr>
<tr>
<td>Intake and Exhaust Valves</td>
<td>Rocker Covers</td>
</tr>
<tr>
<td>Intake Manifold Gasket</td>
<td>Single and Dual A/C Mounting Brackets</td>
</tr>
<tr>
<td>Lifter Valley Baffle</td>
<td>Tensioners</td>
</tr>
<tr>
<td>Oil Pan Gasket</td>
<td>Thermostat Housing</td>
</tr>
<tr>
<td></td>
<td>Thermostats</td>
</tr>
<tr>
<td></td>
<td>Upper and Lower Intake</td>
</tr>
</tbody>
</table>
EMISSION COMPONENTS FOR 8.0L V8 LPG-FUELED ENGINES WARRANTY COVERED PARTS

School Bus and Delivery Vehicle

Federal Emissions Warranty
5 Years, 50,000 miles / 80,000 km*
*Whichever occurs first.

California Emissions Warranty
7 Years, 70,000 miles / 113,000 km*
*Whichever occurs first.

Camshaft Sensor
Coolant Temperature Sensor
Crankshaft Position Sensor Assembly
Engine Control Module
Evaporative Charcoal Canister
Evaporative Controller
Evaporative Emissions Valve Assembly
Evaporative Pump
Evaporative Emissions Box
Fuel Injectors
Fuel Regulator
Knock Sensor
Mass Air Flow Sensor
Positive Crankcase Ventilation Valve
Propane Fuel Tank
Throttle Body
Torque Security Module

LIQUID PROPANE INJECTION WARRANTY COVERED PARTS

School Bus
5 Years, 100,000 miles / 160,000 km*
*Whichever occurs first.

Delivery Vehicle
2 Years Unlimited miles or 2000 hours*
*Whichever occurs first.

80% Mechanical Fill Valve
Evaporative Purge Hoses
Evaporative System Hoses
External Fuel Gauge
Filler Hoses
Fuel Supply and Return Hoses
Fuel Supply and Return Lines (Stainless Steel)
Liquid Evacuation Valve
Mechanical Fuel Gauge / Float
Return Valve
Safety Relief Valve
Supply Valve and Solenoid
New Vehicle Warranty Coverage

Thomas Built Bus (TBB)

TBB Minotour School Bus (Orders received on or after 08/06/2014)

<table>
<thead>
<tr>
<th>Body Component</th>
<th>Coverage¹</th>
<th>Time²</th>
<th>Distance³</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBB Basic Body (Type A)</td>
<td>1 Year</td>
<td></td>
<td>Unlimited</td>
</tr>
<tr>
<td>TBB Manufactured Components</td>
<td>2 Years</td>
<td></td>
<td>Unlimited</td>
</tr>
<tr>
<td>TBB Miscellaneous (Accessories, Compartments, etc.)</td>
<td>2 Years</td>
<td></td>
<td>Unlimited</td>
</tr>
<tr>
<td>TBB Paint</td>
<td>5 Years</td>
<td></td>
<td>Unlimited</td>
</tr>
<tr>
<td>TBB Passenger Doors</td>
<td>2 Years</td>
<td></td>
<td>Unlimited</td>
</tr>
<tr>
<td>TBB Seat and Barrier Frames</td>
<td>5 Years</td>
<td></td>
<td>Unlimited</td>
</tr>
<tr>
<td>TBB Seats, Barriers, and Stanchions</td>
<td>2 Years</td>
<td></td>
<td>Unlimited</td>
</tr>
<tr>
<td>TBB Storm Glass and Windows</td>
<td>2 Years</td>
<td></td>
<td>Unlimited</td>
</tr>
<tr>
<td>TBB Structure and Sheet Metal</td>
<td>5 Years</td>
<td></td>
<td>Unlimited</td>
</tr>
<tr>
<td>TBB Towing</td>
<td>6 Months</td>
<td></td>
<td>Unlimited</td>
</tr>
</tbody>
</table>

¹For informational purposes only; actual coverage may vary depending on vehicle specifications. 
²Time or distance, whichever comes first.

*Note: All warranties upgraded to 60 months (5 Years), 100,000 miles for FL DOE ITB 2020-16.

Warranty Statement & Warranty Coverage Descriptions follow on page three of this document.

The information provided in this document is for general information only and is not offered as customer's warranty. This coverage may be superseded without notification.

Effective: 10/17/2014

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Warranty Statement

1.1 New Vehicle Coverage

The following section outlines Company standard warranty coverages for all Company vehicles, equipment, chassis, or cabs sold by Daimler Trucks North America and domiciled in the USA (50 states and Washington, D.C.) and Canada. This information is also included in the Owner's Warranty Information Booklet.

See Warranty Coverage Tables for standard warranty coverages by make and model. Additional coverage may apply; verify coverages on-line for specific vehicle warranty.

1.2 New Vehicle Limited Warranty

Under this New Vehicle Limited Warranty ("Warranty"), Daimler Trucks North America LLC ("Company") warrants that each new vehicle will be free from defects in material and workmanship that occur under normal use within the applicable warranty period, subject to certain limitations and exclusions as specified in this document.

This limited warranty applies only to new vehicles sold by an authorized Daimler Trucks North America (DTNA) dealer or ordered directly from DTNA; vehicles sold at auction or as a result of repossession retain the warranty coverage from the original in-service date or factory invoice date if the vehicle has not been warranty registered.

Daimler Trucks North America LLC reserves the right to reduce or remove coverage on vehicles in salvage condition.

This Warranty covers all components and parts unless specifically covered by other warranties or otherwise excluded by this document.

1.3 Limitations

This warranty does not apply to vehicles that are sold or domiciled outside of the United States (50 states and Washington, D.C.) or Canada.

This Warranty does not apply to engines, Allison transmissions, tires, or other components or parts that are not manufactured by Company and that are warranted directly by their respective manufacturers. Progressive damage caused by these manufacturers' components to any other parts including, but not limited to, parts installed by Company is excluded from Company warranty coverage. With respect to the foregoing, Company makes no warranty whether express, implied, statutory or otherwise including, but not limited to, parts installed by Company is excluded from Company warranty coverage. With respect to the foregoing, Company makes no warranty whether express, implied, statutory or otherwise including, but not limited to, any warranty of merchantability or fitness for a particular purpose.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND WHETHER WRITTEN, ORAL, OR IMPLIED INCLUDING, BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY SPECIFICALLY EXCLUDES ANY OTHER WARRANTIES OR CONDITIONS PROVIDED FOR BY LAW, WHETHER STATUTORY OR OTHERWISE.

COMPANY'S SOLE OBLIGATION UNDER THIS WARRANTY SHALL BE TO REPAIR OR REPLACE, IN COMPANY'S SOLE DISCRETION, ANY DEFECTIVE COMPONENT OR PART. SUCH REPAIR OR REPLACEMENT SHALL BE WITHOUT COST TO PURCHASER WHEN PERFORMED WITHIN THE APPLICABLE WARRANTY PERIOD (TIME, DISTANCE, OR HOUR LIMIT; WHICHEVER OCCURS FIRST).

Purchaser must notify Company within the applicable warranty period, of any failure of the vehicle to comply with this Warranty and Purchaser must, at Purchaser's expense, promptly return the vehicle to an Authorized Service Facility for inspection and repair or replacement of any defect in material or workmanship occurring within the applicable warranty period. During New Vehicle coverage, warranty reimbursement will not be paid on repairs performed by customers on their own vehicles without a current Customer Performed Warranty Agreement (CPWA).

The vehicle must be maintained and serviced according to the prescribed schedules outlined in the Driver's/Operator's and Maintenance Manuals. Receipted bills and other evidence showing that required maintenance and service have been performed are required by Company as a condition of this Warranty.

After the Company's obligations under this Warranty expire, all liabilities of Company to Purchaser under this Warranty shall terminate. Repairs made under this Warranty do not constitute an extension of the original Warranty period for the vehicle or for any specific component or part.

To the extent that any provision of this Warranty contravenes the law of any jurisdiction, such provision shall be inapplicable in such jurisdiction and the remainder of the warranty shall not be affected.

1.4 Purchaser's Exclusive Remedy

THIS WARRANTY SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST COMPANY, WHETHER IN CONTRACT, UNDER STATUTE (INCLUDING STATUTORY PROVISIONS AS TO CONDITIONS AS TO QUALITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF GOODS SUPPLIED PURSUANT TO THE CONTRACT OF SALE), WARRANTY, TORT, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY.

1.5 Limitation of Liability

COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE COST TO REPAIR OR REPLACE, IN COMPANY'S SOLE DISCRETION, THE DEFECTIVE COMPONENT OR PART THAT IN NO EVENT SHALL EXCEED THE FAIR MARKET VALUE OF THE VEHICLE AT THE TIME THE DEFECT IS DISCOVERED.

IN NO EVENT SHALL COMPANY BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT
LIMITED TO INJURIES TO PERSONS OR DAMAGE TO PROPERTY, LOSS OF PROFITS OR ANTICIPATED PROFITS, OR LOSS OF VEHICLE USE.

1.6 Exclusions

The following components, parts, or conditions are specifically excluded from coverage under this Warranty.

AIR SPRINGS

Tolerance buildup can occur during the assembly process of the rear suspension and rear cab air springs, and can cause the springs to have the appearance of being crooked, misaligned or improperly installed. This tolerance buildup is not detrimental to the operation of the vehicle and will not have an effect on either the quality of the ride or the durability of the components or vehicle. Straightening of these springs is not covered under this Warranty.

ALIGNMENT OF AXLES/WHEELS/STEERING WHEEL

Each DTNA vehicle manufacturing plant uses a calibrated system to align axles and wheels and to center the steering wheel to Daimler Trucks North America LLC specifications. Re-alignment or readjustment of these items, including steering stops and steering poppets, is not covered under warranty.

Any special alignment settings at the request of the Owner must be handled between the Dealer and Owner after delivery from factory. These special adjustments are not covered under Warranty.

AXLE BREATHER VENTS

During the vehicle manufacturing process, an oil run or drip stain may appear at the breather vent. Removing the vent, applying pipe sealant to the threaded vent fitting and re-installing the vent is unnecessary. Removing the axle breather vent and re-sealing the threaded fitting is not covered under this Warranty.

INTERIOR COMPONENTS

The repair or replacement of cab interior components that are rendered unserviceable due to normal wear or abuse are not covered under this Warranty.

These components include, but are not limited to:

- Floor coverings
- Painted trim components
- Steering wheel
- Steering wheel wrap
- Upholstery

CHROME SURFACES, ALUMINUM AND STAINLESS STEEL COMPONENTS

The following items ARE covered under this Warranty:

- Chrome peeling off in sheets
- Chrome cut at mounting bolts due to over-torque at the factory
- Bubbles in the chrome that are not caused by rock chips and/or general rust conditions
- Isolated rust along seams or welds

The following items are NOT covered under this Warranty:

- General rust, for example, rust on the unfinished backside of a bumper

- Dimpling at the mounting bolts
- Staining, bluing, and/or yellowing that can be cleaned with a quality cleaning-product
- Rust, pits, and/or nicks caused by road wash or road debris breaking the chrome surface
- Streaks/stains/corrosion caused by severe wash solutions or corrosive road salts/chemicals

Claims pertaining to failures of chrome surfaces, aluminum, and stainless steel components will not be processed unless a clear digital picture is provided that adequately shows the defect.

CLUTCH ADJUSTMENT

Clutch adjustments are normally required due to clutch wear and are considered normal maintenance. However, if the clutch adjustment is found to be outside of Company specifications during, or prior to, in-service of the vehicle, a warranty claim will be accepted on a one-time basis.

Claims for clutch adjustments will not be accepted unless the adjustment is found to be outside of Company specifications using the special clutch adjustment measuring tools provided by Company (e.g., adjusting the clutch to satisfy feel will not be accepted as warranty).

COMPETITION

Warranty will become void on any vehicle that is used in competition, including but not limited to:

- Racing
- Tractor pulls
- Other motor sports

CONSUMABLE PARTS

Parts that are subject to consumption during their normal service life and are routinely replaced during normal maintenance services are covered for a limited time:

<table>
<thead>
<tr>
<th>Make</th>
<th>Consumable Parts Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBB Bodies &amp; TBB Chassis</td>
<td>Up to 30 days from in-service date</td>
</tr>
<tr>
<td>FCCC Chassis</td>
<td>Up to 15,000 miles (24,000 km)</td>
</tr>
</tbody>
</table>

These items are:

- Antennas
- Ashtrays
- Belts
- Brake linings
- Cigarette lighter assembly
- Clutch brake
- Clutch linings
- Data logger batteries
- Desiccant cartridges
- Fire extinguishers
- Fluids
- Fuses
- Light bulbs
- Mud flaps
- Mud flap mounting brackets
- Caps (including, but not limited to, DEF, fuel, radiator, surge tank)
- Receiver-dryer filter
- Windshield washer nozzles
- Windshield wiper blades

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Consumable parts NOT covered under this Warranty include, but are not limited to, the following:

- Antifreeze
- Filters (fuel, air, oil, water)
- Fluids (unless low due to a warrantable failure)
- Lubricants

CORROSION
Coverage provides warranty against corrosion to any metal or metal alloy part of the vehicle. Rust or corrosion to specific components and/or caused by certain conditions are excluded from all Company warranty coverage and will not be paid under Basic Vehicle, Cab Structure, Cab Corrosion/Perforation, Cowl Corrosion/Perforation, or Aftermarket Parts Warranty.

Exclusions to corrosion warranty include, but are not limited to, the following:

- Corrosion caused by general rust (for example, rust on the unfinished backside of a bumper)
- Surface rust caused by chips or scratches in the paint or chrome surfaces
- Corrosion caused by high-pressure washing, severe wash solutions, cleaning solvents, detergents, compounds
- Corrosion caused by salinity in the environment or corrosive salts and/or chemicals used on the road surface
- Corrosion caused by acid rain or other industrial fallout
- Corrosion due to improper prevention measures during storage or use
- Corrosion or rust on tone rings, rotors or drums (rotor exclusion does not apply to hydraulic discs with Magna-Coat Rotors)
- Corrosion due to environmental damage (including ocean spray); airborne fallout (includes chemicals, tree sap, etc.); or other atmospheric conditions or other acts of nature
- Corrosion due to improper use, misuse or abuse, negligence, including improper or insufficient maintenance

DAMAGE
The following are not covered under this Warranty:

- Damage caused by use of the vehicle in any application that is not approved or is inconsistent with build specifications
- Damage resulting from improper use or misuse or abuse, negligence, improper operation, improper or insufficient maintenance (including, but not limited to failure to maintain vehicle as outlined in the driver's/operator’s and maintenance manuals), overloading, unauthorized modifications, accidents, or operation at excessive speeds
- Environmental damage, including airborne fallout (including chemicals, tree sap, etc.); or other atmospheric conditions, hailstones, or other acts of nature
- Damage caused by road salts/chemicals or cleaning solvents, detergents or compounds
- Storage deterioration including damage caused by improper or insufficient storage or maintenance
- Damage caused by road hazards or road conditions

- Damage caused during shipping/transport after initial delivery of vehicle
- Damages (including peeling or flaking) caused by high-pressure washing or steam-cleaning
- Damages occurring after in-service (e.g., from rock chips)
- Damages caused by customer-installed sealer in air conditioning systems
- Damages caused by engine horsepower/torque upgrades
- Damage due to vibration associated with misapplication or improper operation of drivetrain components
- Damage due to terrorist activities
- Damage due to acts of war

ENGINE
The engine, including all of its components as supplied by the engine manufacturer, is not covered under this Warranty, but is warranted separately by the manufacturer of the engine. For engine warranty or service, contact the engine manufacturer’s authorized sales and service facility.

ENGINE BRAKES, AIR COMPRESSORS, AND OTHER PROPRIETARY ENGINE COMPONENTS
The engine manufacturer installs most air compressors and engine brakes. Any failure of a proprietary engine component or Jacob® Brake component must be filed directly to the engine manufacturer. Failures on non-proprietary engine components can be filed through DTNA.

EXHAUST SYSTEM CLAMPS
During the early life of the vehicle or when the engine is cold, many exhaust clamps exhibit a soot trace. This condition is self-correcting and does not require adjustment, tightening, or replacement of the clamp. Claims for adjusting or tightening will not be paid under warranty.

GLASS, MIRRORS, LENS
Glass, mirror or lens breakage or chips or scratches of glass, mirrors, or lenses are not covered by this Warranty.

MISAPPLICATION OF VEHICLE
The warranty on any vehicle used inconsistent with its specified vocation/application will be downgraded to the warranty that is consistent with the vehicle use. Any and all claims associated with the misapplication of the vehicle will be subject to chargeback.

MISCELLANEOUS EXPENSES
Premium charges and work not directly related to the repair or replacement of a warranted part are not covered under this Warranty. Examples include, but are not limited to:

- Federal, state, provincial, and local taxes
- Travel expenses
- Loss of revenue
- Customer labor, including overtime labor
- Downtime
- Driver’s expenses
- Cost of rental equipment
- Loss of cargo, including perishable cargo
• General housekeeping supplies (i.e., rags, solvents, sweeping compounds, coversalls, etc.)
• Communication charges
• Towing/road call assistance (unless coverage is specifically stated in the applicable warranty coverage table)
• Repair or replacement of optional items not sold or installed by company
• Removal or replacement of dealer, body builder, or custom-installed equipment
• Environmental fees, cleanup, or other charges
• Cost of emergency services

MODIFICATIONS TO ORIGINAL EQUIPMENT
Company does not warrant vehicle component or chassis modifications, or equipment installations arranged by Dealers or customers. In addition, the extra time necessary to remove body builder installed items and/or equipment to work on a warranted repair is not covered under this Warranty unless Company sells the complete chassis/body/equipment as a package.

If Dealers or customers perform any vehicle modifications or equipment installations, to the extent these modifications or equipment installations adversely affect other vehicle components or vehicle performance, Company shall not accept any product liability or claims under the terms of the vehicle warranty. These claims become the sole responsibility of the person performing the modifications or equipment installations.

PAINT
The following exclusions to paint warranty include, but are not limited to:

• Complete chassis re-painting to repair paint damages
• Damages occurring after in-service (e.g., from rock chips)
• Peeling/flaking caused by high-pressure washing or steam cleaning
• Rusting of painted bumpers
• Removal and/or replacement of decals, striping, and/or lettering not applied by Company
• Specific areas of the vehicle are deliberately not painted or are not painted to any standard; paint repairs are not warrantable to such areas. These areas include:
  • Underside of the hood, including the inside of the wheel wells
  • Inside of the bumper
  • Aftertreatment devices

Gloss
Gloss Warranty claims pertaining to gloss issues on vehicles painted with low-gloss colors (as identified in the Data Books) will not be covered under this warranty.

SHIP LOOSE ITEMS AND COMPONENTS
During the manufacturing process, certain vehicle components are normally placed in the cab of the vehicle or strapped down to the chassis for security reasons. It is the Dealer’s responsibility to mount these “ship loose” items in the correct location on the vehicle. Mounting of “ship loose” items will not be covered under warranty.

These items include, but may not be limited to, the following:

• Antennas
• Fire extinguishers
• Winter fronts
• Spare wheels/tires
• Chrome lug nut covers
• Driver’s pouch
• Jacks

TRANSMISSIONS
Allison transmissions and components are not covered under this Warranty, but are warranted separately by Allison. Information regarding Allison’s warranty is provided for informational purposes only and is subject to change. For warranty or service information, contact Allison’s authorized sales and service facility.

ROUTINE MAINTENANCE
Routine inspection, maintenance, servicing, and adjustment, as defined in the applicable Vehicle Maintenance Manual and Driver’s Manual, are excluded from Warranty.

Periodic adjustment or re-torque of wheel bearings, wheel lug nuts, and suspension U-bolts are considered maintenance adjustments and are not covered under warranty.

Vibrations, squeaks, rattles, loose fittings/clamps, hose fitting leaks, loose nuts/bolts/screws, and loose electrical connections may develop during the initial trip(s) of the vehicle and these types of repairs/adjustments are covered under warranty one time during the following applicable initial operating periods unless excluded in the paragraphs below.

Reminder: After the following initial operating periods, these developments are the result of use and their repair/adjustment activities are considered routine maintenance and thus excluded from warranty.

INITIAL OPERATING PERIOD
The Initial Operating Period (IOP) for Daimler Trucks North America LLC vehicles is as follows:

<table>
<thead>
<tr>
<th>Make</th>
<th>Initial Operating Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freightliner Custom Chassis Corporation (FCCC)</td>
<td>Up to 25,000 miles/40,000 km</td>
</tr>
<tr>
<td>Thomas Built Bus (TBB) bodies and TBB chassis*</td>
<td>Up to 6 months from the date of service</td>
</tr>
</tbody>
</table>

*TBB applications utilizing FCCC chassis retain the FCCC IOP separate from the TBB body.

See CONSUMABLE PARTS elsewhere in this section.

Exclusions from warranty during the Initial Operating Period are:

• Cab, hood, and fender-mounted mirrors are adjusted at the factory but may be retracted by the transporter to prevent damage during transport. Subsequent adjustments and tightening of mirror mounting hardware are considered part of the routine preparation of the vehicle before customer delivery. Claims for adjusting the mirrors or tightening of the attaching hardware will not be paid under warranty during or after the initial operating period.
• Claims for re-routing of electrical wiring, hoses, or lines which meet Daimler Trucks North America’s
routing standards will not be paid under warranty during or after the initial operating period.

- Final preparation of the vehicle for customer delivery to include cleaning/vacuuming of interior, washing windows, washing the exterior, polishing exterior chromed or painted surfaces are considered as ordering-Dealer responsibilities. Claims for these activities will not be paid under warranty during or after the initial operating period.

TEST VEHICLES
Any vehicles being used in testing or used to test specific components must be identified to the Warranty Department and accommodations must be made for claims that relate to the test item(s).

Any vehicles used in endurance testing, such as the Altoona Test, are void of all warranty, new or used.

TIRES AND TIRE BALANCING
The tires are not covered under this Warranty, but are warranted separately by the tire manufacturer. Tire balancing is not covered under warranty.

1.7 Transfer of Warranty
This Warranty is transferable to a subsequent Owner if it has not expired.

To ensure the Owner receives proper warranty recognition, the ownership information should be updated in the Company system.

1.8 Change of Owner Address Information
To ensure Company's ability to reach the current Owner with Recall and Field Service campaign information, the Owner's information must be updated whenever there is a change to the Owner's name or address.

1.9 Product Improvement
Company reserves the right to make improvements or changes to the product at any time without incurring any obligation to make such changes or improvements to any other vehicle.

1.10 Owner's Responsibilities
It is the Owner's responsibility to ensure the vehicle is maintained as outlined in the Driver's/Operator's and Maintenance Manuals. It is important that the new Owner becomes familiar with the contents of the warranty information. When the Owner first receives the vehicle, Dealer should review the Owner's Warranty Information booklet with the Owner.

To initiate warranty, customer must complete and sign the Warranty Start Form (WAR275). Dealer must attach the Warranty Start Form to the Product Registration screen in OWL.

TBB A/C System (TBB Installed)
Coverage includes: air conditioning: A/C electrical control panel, accumulator/dryer, air conditioner O-ring, compressor clutch, rotary compressor, condenser, fan condenser, air conditioning ducting, evaporator, A/C fitting/pipe, A/C hose, motor, relay/magnetic switch, high side Schrader valve, low side Schrader valves, refrigerant pressure sensor, switch, high pressure switch, low pressure switch, inlet thermistor, outlet thermistor, orifice tube, expansion valve, water valve, water wheel.

TBB Basic Body (Type A)
Coverage includes all factory-installed components of the body that are not excluded elsewhere in the warranty, or by special agreement or described as having a different time, or distance, or listed separately on each new vehicle warranty coverage chart.

Includes: air operated components, door controls (all TBB installed), doors: air controls, electric controls, manual controls, hold back devices, emergency rear doors, emergency side doors, entrance doors, lift single/double doors, door handles, hinges, door locks, air pump, vandallocks, door locks, door latches, electrical motors (TBB Installed), air distribution actuator, motor/door-blend air actuator, resistor block, core (heater), air conditioner/heater/defroster, ducting, defroster fan, harness, under bus to rear HVAC hose, HVAC control module, motor, mounting/housing (main case), relay/magnetic switch, switch (ether start), radiator fan/shutter override switch, blower wheels, floor covering, step treads, floor plywood, plywood fastening, window frame (excludes glass), windows, push out window, stationary windows, split sash window, split sash storm window, heater cores, cable control, hose covers/trim, defroster duct, driver's heater, defroster fan, midship heater, heater motor, rear heater. step well heater, lights, back-up light, clearance light, directional light, directional side light, dome light, license plate light, marker light, stop/tail light, stop light, strobe light, warning light, (excludes all bulbs and facings lenses), cowl mount mirror, cross view mirror, rear mount mirror/ rear view mirror, heater mirror, inside rear view mirror (TBB installed), seals (windows and doors), seats, anchors, barriers, flip seat, passenger seat/iframe (soft goods), lifts and panels, modesty panels, ceiling assist rail, shields, stanchions, wheel chair tie downs, wheel chair lift units, switches (all TBB installed), visors (TBB installed), safety equipment, backing alarms, child check mate, destination signs, sun visors, wig-wag, vandallock system, warning devices, lamps, flasher modules, child reminder system, driver alert sign, stop arms, walk gates, back up alarms, wiring (TBB installed), wiring harness, wiring harness brackets, cables, connectors, a/c system (TBB installed), a/c electrical control panel, accumulator/dryer, air conditioner O-ring, compressor clutch, rotary compressor, condenser, fan condenser, air conditioning ducting, evaporator, a/c fitting/pipe, a/c hose, motor, relay/magnetic switch, high side Schrader valve, low side Schrader valves, refrigerant pressure sensor, switch, high pressure switch, low pressure switch, inlet thermistor, outlet thermistor, orifice tube, expansion valve, water valve, water wheel, radios (TBB installed), radio entertainment (only applicable if factory installed).
installed), harness, radio basic assembly, speaker, fiberglass components

**TBB Manufactured Components**

Coverage includes: compartments, battery compartment, designation sign compartment, electrical access compartment, luggage compartment, tool compartment, bumper system, bracket or mounting, bumper, bumper fascia, bumper frame, body-inside, metal bulkheads, grab rails, luggage rack assembly, luggage rack pads, luggage rack mounting, metal interior trim

**TBB Miscellaneous (Accessories, Compartments, Etc.)**

Coverage includes: roof insulation, side wall insulation, bulkhead, rafter cavity, plastic trim, storm sash

**TBB Paint**

Coverage includes: all components painted by TBB. Coverage excludes: fading
- For vehicle orders received prior to 08/06/2014: Paint adhesion is pro-rated – Years 1 & 2: 100%; Year 3: 50%; Years 4 & 5: 30%
- For vehicle orders received on or after 08/06/2014: Paint adhesion is 5 years/unlimited

**TBB Passenger Doors**

Coverage includes: door shells and hinges

**TBB Seat & Barrier Frames**

Coverage includes: passenger seat frames and barrier frames

**TBB Seats, Barriers, Stanchions**

Coverage includes: barrier foam, barrier upholstery (including sewing, stapling, etc.), armrest, seat foam/springs, seat upholstery (sewing, stapling, etc.), moms seat, flip mech., plywood, seat track (includes related hardware)
- For vehicle orders received prior to 08/06/2014: Coverage applies to TBB manufactured seats
- For vehicle orders received on or after 08/06/2014: Coverage applies to vendor manufactured seats installed at factory at time of bus manufacture by TBB

**TBB Storm Glass and Windows**

Coverage includes: all storm windows and frames

Coverage excludes: glass breakage

**TBB Structure and Sheet Metal**

Coverage includes: belt line angle, door header, exterior sheet metal, trim, left and right exterior side sheets, fenderette (steel), floor sheets, floor panels, front assembly sheet metal, headlining, inside side lining, interior sheet metal trim, main body door post and capping, outriggers, pilaster, rafter, rafter reinforcement, rear assembly sheet metal, roof rails, roof sheets and hoods, rub rails, seatrail, floor rail, entrances stepwell, under floor angle, channel, cross tube, vestibule floor, front and rear wheel house, window header, structural adhesives, sheet metal protection, rust perforation

Coverage excludes: fiberglass components

**TBB Towing**

Coverage includes: maximum payment as displayed, per occurrence, for towing for a defect in material and workmanship of a component that prevents the safe and lawful operation of the vehicle. Currency exchange rate does not apply. Maximum payment as displayed no matter the currency. Reimbursement max: $250 for units order prior to 01/01/2009 or $450 for units order on or after 01/01/2009.

If towing is associated with a DTNA warrantable failure, towing charges must be on the same claim. Reimbursement of .5 hour (SRT 939-6020A) to reinstall drivelines if tow company has removed, but not reinstalled, the driveline and the vehicle has and is within the tow coverage.
# New Vehicle Warranty Coverage

## Thomas Built Bus (TBB)

### TBB C2 School Bus (Orders received on or after 08/06/2014)

<table>
<thead>
<tr>
<th>Body Component</th>
<th>Coverage¹</th>
<th>Time²</th>
<th>Distance²</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBB Basic Body (Type C)</td>
<td></td>
<td>3 Years</td>
<td>50,000 mi/80,000 km</td>
</tr>
<tr>
<td>TBB Manufactured Components</td>
<td></td>
<td>3 Years</td>
<td>50,000 mi/80,000 km</td>
</tr>
<tr>
<td>TBB Miscellaneous (Accessories, Compartment, etc.)</td>
<td></td>
<td>3 Years</td>
<td>50,000 mi/80,000 km</td>
</tr>
<tr>
<td>TBB Paint</td>
<td></td>
<td>5 Years</td>
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</tr>
<tr>
<td>TBB Passenger Doors</td>
<td></td>
<td>3 Years</td>
<td>50,000 mi/80,000 km</td>
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<tr>
<td>TBB Seat and Barrier Frames</td>
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<td>Unlimited</td>
</tr>
<tr>
<td>TBB Seats, Barriers, and Stanchions</td>
<td></td>
<td>3 Years</td>
<td>50,000 mi/80,000 km</td>
</tr>
<tr>
<td>TBB Storm Glass and Windows</td>
<td></td>
<td>3 Years</td>
<td>50,000 mi/80,000 km</td>
</tr>
<tr>
<td>TBB Structure and Sheet Metal</td>
<td></td>
<td>5 Years</td>
<td>Unlimited</td>
</tr>
<tr>
<td>TBB Towing</td>
<td></td>
<td>6 Months</td>
<td>Unlimited</td>
</tr>
</tbody>
</table>

¹For informational purposes only; actual coverage may vary depending on vehicle specifications.
²Time or distance, whichever comes first

*Note: All warranties upgraded to 60 months (5 Years), 100,000 miles for FL DOE ITB 2020-15.
Warranty Statement

1.1 New Vehicle Coverage

The following section outlines Company standard warranty coverages for all Company vehicles, equipment, chassis, or cabs sold by Daimler Trucks North America and domiciled in the USA (50 states and Washington, D.C.) and Canada. This information is also included in the Owner’s Warranty Information Booklet.

See Warranty Coverage Tables for standard warranty coverages by make and model. Additional coverage may apply; verify coverages on-line for specific vehicle warranty.

1.2 New Vehicle Limited Warranty

Under this New Vehicle Limited Warranty (“Warranty”), Daimler Trucks North America LLC (“Company”) warrants that each new vehicle will be free from defects in material and workmanship that occur under normal use within the applicable warranty period, subject to certain limitations and exclusions as specified in this document.

This limited warranty applies only to new vehicles sold by an authorized Daimler Trucks North America (DTNA) dealer or ordered directly from DTNA; vehicles sold at auction or as a result of repossession retain the warranty coverage from the original in-service date or factory invoice date if the vehicle has not been warranty registered.

Daimler Trucks North America LLC reserves the right to reduce or remove coverage on vehicles in salvage condition.

This Warranty covers all components and parts unless specifically covered by other warranties or otherwise excluded by this document.

1.3 Limitations

This warranty does not apply to vehicles that are sold or domiciled outside of the United States (50 states and Washington, D.C.) or Canada.

This Warranty does not apply to engines, Allison transmissions, tires, or other components or parts that are not manufactured by Company and that are warranted directly by their respective manufacturers. Progressive damage caused by these manufacturers' components to any other parts including, but not limited to, parts installed by Company is excluded from Company warranty coverage. With respect to the foregoing, Company makes no warranty whether express, implied, statutory or otherwise including, but not limited to, parts installed by Company is excluded from Company warranty coverage. With respect to the foregoing, Company makes no warranty whether express, implied, statutory or otherwise including, but not limited to, any warranty of merchantability or fitness for a particular purpose.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND WHETHER WRITTEN, ORAL, OR IMPLIED INCLUDING, BUT NOT LIMITED TO ANY WARRANTY OF

MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY SPECIFICALLY EXCLUDES ANY OTHER WARRANTIES OR CONDITIONS PROVIDED FOR BY LAW, WHETHER STATUTORY OR OTHERWISE.

COMPANY’S SOLE OBLIGATION UNDER THIS WARRANTY SHALL BE TO REPAIR OR REPLACE, IN COMPANY’S SOLE DISCRETION, ANY DEFECTIVE COMPONENT OR PART. SUCH REPAIR OR REPLACEMENT SHALL BE WITHOUT COST TO PURCHASER WHEN PERFORMED WITHIN THE APPLICABLE WARRANTY PERIOD (TIME, DISTANCE, OR HOUR LIMIT, WHICHEVER OCCURS FIRST).

Purchaser must notify Company within the applicable warranty period, of any failure of the vehicle to comply with this Warranty and Purchaser must, at Purchaser’s expense, promptly return the vehicle to an Authorized Service Facility for inspection and repair or replacement of any defect in material or workmanship occurring within the applicable warranty period. During New Vehicle coverage, warranty reimbursement will not be paid on repairs performed by customers on their own vehicles without a current Customer Performed Warranty Agreement (CPWA).

The vehicle must be maintained and serviced according to the prescribed schedules outlined in the Driver’s/Operator’s and Maintenance Manuals. Received bills and other evidence showing that required maintenance and service have been performed are required by Company as a condition of this Warranty.

After the Company’s obligations under this Warranty expire, all liabilities of Company to Purchaser under this Warranty shall terminate. Repairs made under this Warranty do not constitute an extension of the original Warranty period for the vehicle or for any specific component or part.

To the extent that any provision of this Warranty contravenes the law of any jurisdiction, such provision shall be inapplicable in such jurisdiction and the remainder of the warranty shall not be affected.

1.4 Purchaser’s Exclusive Remedy

THIS WARRANTY SHALL BE THE PURCHASER’S SOLE AND EXCLUSIVE REMEDY AGAINST COMPANY, WHETHER IN CONTRACT, UNDER STATUTE (INCLUDING STATUTORY PROVISIONS AS TO CONDITIONS AS TO QUALITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF GOODS SUPPLIED PURSUANT TO THE CONTRACT OF SALE), WARRANTY, TORT, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY.

1.5 Limitation of Liability

COMPANY’S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE COST TO REPAIR OR REPLACE, IN COMPANY’S SOLE DISCRETION, THE DEFECTIVE COMPONENT OR PART THAT IN NO EVENT SHALL EXCEED THE FAIR MARKET VALUE OF THE VEHICLE AT THE TIME THE DEFECT IS DISCOVERED.

IN NO EVENT SHALL COMPANY BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT
LIMITED TO INJURIES TO PERSONS OR DAMAGE TO PROPERTY, LOSS OF PROFITS OR ANTICIPATED PROFITS, OR LOSS OF VEHICLE USE.

1.6 Exclusions

The following components, parts, or conditions are specifically excluded from coverage under this Warranty.

AIR SPRINGS

Tolerance buildup can occur during the assembly process of the rear suspension and rear cab air springs, and can cause the springs to have the appearance of being crooked, misaligned or improperly installed. This tolerance buildup is not detrimental to the operation of the vehicle and will not have an effect on either the quality of the ride or the durability of the components or vehicle. Straightening of these springs is not covered under this Warranty.

ALIGNMENT OF AXLES/WHEELS/STEERING WHEEL

Each DTNA vehicle manufacturing plant uses a calibrated system to align axles and wheels and to center the steering wheel to Daimler Trucks North America LLC specifications. Realignment or readjustment of these items, including steering stops and steering poppets, is not covered under warranty.

Any special alignment settings at the request of the Owner must be handled between the Dealer and Owner after delivery from factory. These special adjustments are not covered under Warranty.

AXLE BREATHER VENTS

During the vehicle manufacturing process, an oil run or drip stain may appear at the breather vent. Removing the vent, applying pipe sealant to the threaded vent fitting and re-installing the vent is unnecessary. Removing the axle breather vent and re-sealing the threaded fitting is not covered under this Warranty.

INTERIOR COMPONENTS

The repair or replacement of cab interior components that are rendered unserviceable due to normal wear or abuse are not covered under this Warranty.

These components include, but are not limited to:

- Floor coverings
- Painted trim components
- Steering wheel
- Steering wheel wrap
- Upholstery

CHROME SURFACES, ALUMINUM AND STAINLESS STEEL COMPONENTS

The following items ARE covered under this Warranty:

- Chrome peeling off in sheets
- Chrome cut at mounting bolts due to over-torque at the factory
- Bubbles in chrome that are not caused by rock chips and/or general rust conditions
- Isolated rust along seams or welds

The following items ARE NOT covered under this Warranty:

- General rust, for example, rust on the unfinished backside of a bumper
- Dimpling at the mounting bolts

- Staining, bluing, and/or yellowing that can be cleaned with a quality cleaning-product
- Rust, pits, and/or nicks caused by road wash or road debris breaking the chrome surface
- Streaks/stains/corrosion caused by severe wash solutions or corrosive road salts/chemicals

Claims pertaining to failures of chrome surfaces, aluminum, and stainless steel components will not be processed unless a clear digital picture is provided that adequately shows the defect.

CLUTCH ADJUSTMENT

Clutch adjustments are normally required due to clutch wear and are considered normal maintenance. However, if the clutch adjustment is found to be outside of Company specifications during, or prior to, in-service of the vehicle, a warranty claim will be accepted on a one-time basis.

Claims for clutch adjustments will not be accepted unless the adjustment is found to be outside of Company specifications using the special clutch adjustment measuring tools provided by Company (e.g., adjusting the clutch to satisfy feel will not be accepted as warranty).

COMPETITION

Warranty will become void on any vehicle that is used in competition, including but not limited to:

- Racing
- Tractor pulls
- Other motor sports

CONSUMABLE PARTS

Parts that are subject to consumption during their normal service life and are routinely replaced during normal maintenance services are covered for a limited time:

<table>
<thead>
<tr>
<th>Make</th>
<th>Consumable Parts Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBB Bodies &amp; TBB Chassis</td>
<td>Up to 30 days from in-service date</td>
</tr>
<tr>
<td>FCCC Chassis</td>
<td>Up to 15,000 miles (24,000 km)</td>
</tr>
</tbody>
</table>

These items are:

- Antennas
- Ashtrays
- Belts
- Brake linings
- Cigarette lighter assembly
- Clutch brake
- Clutch linings
- Data logger batteries
- Desiccant cartridges
- Fire extinguishers
- Fluids
- Fuses
- Light bulbs
- Mud flaps
- Mud flap mounting brackets
- Caps (including, but not limited to, DEF, fuel, radiator, surge tank)
- Receiver-dryer filter
- Windshield washer nozzles
- Windshield wiper blades

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Consumable parts NOT covered under this Warranty include, but are not limited to, the following:

- Antifreeze
- Filters (fuel, air, oil, water)
- Fluids (unless low due to a warrantable failure)
- Lubricants

CORROSION
Coverage provides warranty against corrosion to any metal or metal alloy part of the vehicle. Rust or corrosion to specific components and/or caused by certain conditions are excluded from all Company warranty coverage and will not be paid under Basic Vehicle, Cab Structure, Cab Corrosion/Perforation, Cowl Corrosion/Perforation, or Aftermarket Parts Warranty.

Exclusions to corrosion warranty include, but are not limited to, the following:

- Corrosion caused by general rust (for example, rust on the unfinished backside of a bumper)
- Surface rust caused by chips or scratches in the paint or chrome surfaces
- Corrosion caused by high-pressure washing, severe wash solutions, cleaning solvents, detergents, compounds
- Corrosion caused by salinity in the environment or corrosive salts and/or chemicals used on the road surface
- Corrosion caused by acid rain or other industrial fallout
- Corrosion due to improper prevention measures during storage or use
- Corrosion or rust on tone rings, rotors or drums (rotor exclusion does not apply to hydraulic discs with Magnetic Brakes)
- Corrosion due to environmental damage (including ocean spray); airborne fallout (includes chemicals, tree sap, etc.), or other atmospheric conditions or other acts of nature
- Corrosion due to improper use, misuse or abuse, negligence, including improper or insufficient maintenance

DAMAGE
The following are not covered under this Warranty:

- Damage caused by use of the vehicle in any application that is not approved or is inconsistent with build specifications
- Damage resulting from improper use or misuse or abuse, negligence, improper operation, improper or insufficient maintenance (including, but not limited to failure to maintain vehicle as outlined in the driver's/operator's and maintenance manuals), overloading, unauthorized modifications, accidents, or operation at excessive speeds
- Environmental damage, including airborne fallout (including chemicals, tree sap, etc.), or other atmospheric conditions, hailstones, or other acts of nature
- Damage caused by road salts/chemicals or cleaning solvents, detergents or compounds
- Storage deterioration including damage caused by improper or insufficient storage or maintenance
- Damage caused by road hazards or road conditions
- Damage caused during shipping/transport after initial delivery of vehicle
- Damages (including peeling or flaking) caused by high-pressure washing or steam-cleaning
- Damages occurring after in-service (e.g., from rock chips)
- Damages caused by customer-installed sealer in air conditioning systems
- Damages caused by engine horsepower/torque upgrades
- Damage due to vibration associated with misapplication or improper operation of drivetrain components
- Damage due to terrorist activities
- Damage due to acts of war

ENGINE
The engine, including all of its components as supplied by the engine manufacturer, is not covered under this Warranty, but is warranted separately by the manufacturer of the engine. For engine warranty or service, contact the engine manufacturer's authorized sales and service facility.

ENGINE BRAKES, AIR COMPRESSORS, AND OTHER PROPRIETARY ENGINE COMPONENTS
The engine manufacturer installs most air compressors and engine brakes. Any failure of a proprietary engine component or Jacob® Brake component must be filed directly to the engine manufacturer.

Failures on non-proprietary engine components can be filed through DTNA.

EXHAUST SYSTEM CLAMPS
During the early life of the vehicle or when the engine is cold, many exhaust clamps exhibit a soot trace. This condition is self-correcting and does not require adjustment, tightening, or replacement of the clamp. Claims for adjusting or tightening will not be paid under warranty.

GLASS, MIRRORS, LENS
Glass, mirror or lens breakage or chips or scratches of glass, mirrors, or lenses are not covered by this Warranty.

MISAPPLICATION OF VEHICLE
The warranty on any vehicle used inconsistent with its specified vocation/application will be downgraded to the warranty that is consistent with the vehicle use. Any and all claims associated with the misapplication of the vehicle will be subject to chargeback.

MISCELLANEOUS EXPENSES
Premium charges and work not directly related to the repair or replacement of a warranted part are not covered under this Warranty. Examples include, but are not limited to:

- Federal, state, provincial, and local taxes
- Travel expenses
- Loss of revenue
- Customer labor, including overtime labor
- Downtime
- Driver's expenses
- Cost of rental equipment
- Loss of cargo, including perishable cargo
- General housekeeping supplies (i.e., rags, solvents, sweeping compounds, coveralls, etc.)
- Communication charges
- Towing/road call assistance (unless coverage is specifically stated in the applicable warranty coverage table)
- Repair or replacement of optional items not sold or installed by company
- Removal or replacement of dealer, body builder, or customer-installed equipment
- Environmental fees, cleanup, or other charges
- Cost of emergency services

MODIFICATIONS TO ORIGINAL EQUIPMENT
Company does not warrant vehicle component or chassis modifications, or equipment installations arranged by Dealers or customers. In addition, the extra time necessary to remove body builder installed items and/or equipment to work on a warranted repair is not covered under this Warranty unless Company sells the complete chassis/body/equipment as a package.

If Dealers or customers perform any vehicle modifications or equipment installations, to the extent these modifications or equipment installations adversely affect other vehicle components or vehicle performance, Company shall not accept any product liability or claims under the terms of the vehicle warranty. These claims become the sole responsibility of the person performing the modifications or equipment installations.

PAINT
The following exclusions to paint warranty include, but are not limited to:
- Complete chassis re-painting to repair paint damages
- Damages occurring after in-service (e.g., from rock chips)
- Peeling/flaking caused by high-pressure washing or steam cleaning
- Rusting of painted bumpers
- Removal and/or replacement of decals, striping, and/or lettering not applied by Company
- Specific areas of the vehicle are deliberately not painted or are not painted to any standard; paint repairs are not warrantable to such areas. These areas include:
  - Underside of the hood, including the inside of the wheel wells
  - Inside of the bumper
  - Aftertreatment devices

Gloss
Gloss Warranty claims pertaining to gloss issues on vehicles painted with low-gloss colors (as identified in the Data Books) will not be covered under this warranty.

SHIP LOOSE ITEMS AND COMPONENTS
During the manufacturing process, certain vehicle components are normally placed in the cab of the vehicle or stowed down to the chassis for security reasons. It is the Dealer's responsibility to mount these "ship loose" items in the correct location on the vehicle. Mounting of "ship loose" items will not be covered under warranty.

These items include, but may not be limited to, the following:
- Antennas
- Fire extinguishers
- Winter fronts
- Spare wheels/tires
- Chrome lug nut covers
- Driver's pouch
- Jacks

TRANSMISSIONS
Allison transmissions and components are not covered under this Warranty, but are warranted separately by Allison. Information regarding Allison's warranty is provided for informational purposes only and is subject to change. For warranty or service information, contact Allison's authorized sales and service facility.

ROUTINE MAINTENANCE
Routine inspection, maintenance, servicing, and adjustment, as defined in the applicable Vehicle Maintenance Manual and Driver's Manual, are excluded from warranty.

Periodic adjustment or re-torque of wheel bearings, wheel lug nuts, and suspension U-bolts are considered maintenance adjustments and are not covered under warranty.

Vibrations, squeaks, rattles, loose fittings/clamps, hose fitting leaks, loose nuts/bolts/screws, and loose electrical connections may develop during the length of the trip(s) of the vehicle and these types of repairs/adjustments are covered under warranty one time during the applicable initial operating period unless excluded in the paragraphs below.

Reminder: After the following initial operating periods, these developments are the result of use and their repair/adjustment activities are considered routine maintenance and thus excluded from warranty.

INITIAL OPERATING PERIOD
The Initial Operating Period (IOP) for Daimler Trucks North America LLC vehicles is as follows:

<table>
<thead>
<tr>
<th>Make</th>
<th>Initial Operating Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freightliner Custom Chassis Corporation (FCCC)</td>
<td>Up to 25,000 miles/40 000 km</td>
</tr>
<tr>
<td>Thomas Built Bus (TBB) bodies and TBB chassis*</td>
<td>Up to 6 months from the date of in-service</td>
</tr>
</tbody>
</table>

*TBB applications utilizing FCCC chassis retain the FCCC IOP separate from the TBB body.

See CONSUMABLE PARTS elsewhere in this section.

Exclusions from warranty during the Initial Operating Period are:
- Cab, hood, and fender-mounted mirrors are adjusted at the factory but may be retracted by the transporter to prevent damage during transport. Subsequent adjustments and tightening of mirror mounting hardware are considered part of the routine preparation of the vehicle before customer delivery. Claims for adjusting the mirrors or tightening of the attaching hardware will not be paid under warranty during or after the initial operating period.
- Claims for re-routing of electrical wiring, hoses, or lines which meet Daimler Trucks North America's
routing standards will not be paid under warranty during or after the initial operating period.

- Final preparation of the vehicle for customer delivery to include cleaning/vacuuming of interior, washing windows, washing the exterior, polishing exterior chromed or painted surfaces are considered as ordering-Dealer responsibilities. Claims for these activities will not be paid under warranty during or after the initial operating period.

TEST VEHICLES
Any vehicles being used in testing or used to test specific components must be identified to the Warranty Department and accommodations must be made for claims that relate to the test item(s).

Any vehicles used in endurance testing, such as the Altoona Test, are void of all warranty, new or used.

TIRES AND TIRE BALANCING
The tires are not covered under this Warranty, but are warranted separately by the tire manufacturer. Tire balancing is not covered under warranty.

1.7 Transfer of Warranty
This Warranty is transferable to a subsequent Owner if it has not expired.

To ensure the Owner receives proper warranty recognition, the ownership information should be updated in the Company system.

1.8 Change of Owner Address Information
To ensure Company's ability to reach the current Owner with Recall and Field Service campaign information, the Owner's information must be updated whenever there is a change to the Owner's name or address.

1.9 Product Improvement
Company reserves the right to make improvements or changes to the product at any time without incurring any obligation to make such changes or improvements to any other vehicle.

1.10 Owner's Responsibilities
It is the Owner's responsibility to ensure the vehicle is maintained as outlined in the Driver's/Operator's and Maintenance Manuals. It is important that the new Owner becomes familiar with the contents of the warranty information. When the Owner first receives the vehicle, Dealer should review the Owner’s Warranty Information booklet with the Owner.

To initiate warranty, customer must complete and sign the Warranty Start Form (WAR275). Dealer must attach the Warranty Start Form to the Product Registration screen in OWL.

Coverage Descriptions

TBB A/C System (TBB Installed)
Coverage includes: air conditioning: A/C electrical control panel, accumulator/dryer, air conditioner O-ring, compressor clutch, rotary compressor, condenser, fan condenser, air conditioning ducting, evaporator, A/C fitting/pipe, A/C hose, motor, relay/magnetic switch, high side Schrader valve, low side Schrader valve, refrigerant pressure sensor, switch, high pressure switch, low pressure switch, inlet thermistor, outlet thermistor, orifice tube, expansion valve, water valve (internal to the dash mounted A/C-heat unit), blower wheel

TBB Basic Body (Type C)
Coverage includes all factory-installed components of the body that are not excluded elsewhere in the warranty, or by special agreement or described as having a different time, or distance, or listed separately on each new vehicle warranty coverage chart.

Includes: air operated components, door controls (all TBB installed), doors: air controls, electric controls, manual controls, hold back devices, emergency rear doors, emergency side doors, entrance doors, lift-singe/double doors, door handles, hinges, door locks, air pump, vandals, air lock, door latch, electrical motors (TBB installed), air distribution actuator, motor/door-blend air actuator, resistor block, core (heater), air conditioner/heater/defroster ducting, defroster fan, harness, under bus to rear HVAC hose, HVAC control module, motor, mounting/housing (main case), relay/magnetic switch, switch (ether start), radiator fan/shutter override switch, blower wheels, floor covering, step treads, floor plywood, plywood fastening, window frame (excludes glass), windows, push out window, stationary windows, split sash window, split sash storm window, heater cores, cable control, hose covers/trim, defroster duct, driver's heater, defroster fan, mid-ship heater, heater motor, rear heater, step well heater, lights, back-up light, clearance light, directional light, directional side light, dome light, license plate light, marker light red light, stop/tail light, stop light, strobe light, warning light (excludes all bulbs and fading lenses), cowl mount mirror, cross view mirror, rear mount mirror, rear view mirror, heater mirror, inside rear view mirror, seals (windows and doors), seals, anchors, backup, flip seat, passenger seat/frame (soft goods), lift and panels, modesty panels, ceiling assist rail, shields, stanchions, wheel chair tie downs, wheel chair lift units, switches (all TBB installed), visors (TBB installed), safety equipment, backing alarms, child check mate, destination signs, sun visors, wiper system, windshield wipers (eams only), wiring (TBB installed), wiring harness, wiring harness, brake lines, cables, connectors, a/c system (TBB installed), a/c electrical control panel, accumulator/dryer, air conditioner O-ring, compressor clutch, rotary compressor, condenser, fan condenser, air conditioning ducting, evaporator, a/c fitting/pipe, a/c hose, motor, relay/magnetic switch, high side Schrader valve, low side Schrader valve, refrigerant pressure sensor, switch, high pressure switch, low pressure switch, inlet thermistor, outlet thermistor, orifice tube, expansion valve, water valve, blower wheel, radio

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harness, radio basic assembly, speaker, fiberglass components

**TBB Manufactured Components**

Coverage includes: compartments, battery compartment, designation sign compartment, electrical access compartment, luggage compartment, tool compartment, bumper system, bracket or mounting, bumper, bumper fascia, bumper frame, body-inside, metal bulkheads, grab rails, luggage rack assembly, luggage rack pads, luggage rack mounting, metal interior trim

**TBB Miscellaneous (Accessories, Components, Etc.)**

Coverage includes: roof insulation, side wall insulation, bulkhead, rafter cavity, plastic trim, storm sash

**TBB Paint**

Coverage includes: all components painted by TBB. Coverage excludes: fading
- For vehicle orders received prior to 08/06/2014: Paint adhesion is pro-rated – Years 1 & 2: 100%; Year 3: 50%; Years 4 & 5: 30%
- For vehicle orders received on or after 08/06/2014: Paint adhesion is 5 years/unlimited

**TBB Passenger Doors**

Coverage includes: door shells and hinges

**TBB Seat & Barrier Frames**

Coverage includes: passenger seat frames and barrier frames

**TBB Seats, Barriers, Stanchions**

Coverage includes: barrier foam, barrier upholstery (including sewing, stapling, etc.) armrests, seat foam/springs, seat upholstery (sewing, stapling, etc.), moms seat, flip mech., plywood, seat track (includes related hardware)
- For vehicle orders received prior to 08/06/2014: Coverage applies to TBB manufactured seats
- For vehicle orders received on or after 08/06/2014: Coverage applies to vendor manufactured seats installed at factory at time of bus manufacture by TBB

**TBB Storm Glass and Windows**

Coverage includes: all storm windows and frames

Coverage excludes: glass breakage

**TBB Structure and Sheet Metal**

Coverage includes: belt line angle, door header, exterior sheet metal, trim, left and right exterior side sheets, fenderette (steel), floor sheets, floor panels, front assembly sheet metal, headlining, inside side lining, interior sheet metal trim, main body door post and capping, outriggers, pilaster, rafter, rafter reinforcement, rear assembly sheet metal, roof rails, roof sheets and hoods, rubber rails, seat rail, floor rail, entrances stepwell, under floor angle, channel, cross tube, vestibule floor, front and rear wheel house, window header, structural adhesives, sheet metal protection, rust perforation

Coverage excludes: fiberglass components

**TBB Towing**

Coverage includes: maximum payment as displayed, per occurrence, for towing for a defect in material and workmanship of a component that prevents the safe and lawful operation of the vehicle. Currency exchange rate does not apply. Maximum payment as displayed no matter the currency. Reimbursement max: $250 'or units order prior to 01/01/2009 or $450 for units order on or after 01/01/2009.

If towing is associated with a DTNA warrantable failure, towing charges must be on the same claim. Reimbursement of .5 hour (SRT 939-6020A) to reinstall drivelines if tow company has removed, but not reinstalled, the driveline and the vehicle has and is within the tow coverage.

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### TBB HDX School Bus (Orders received on or after 08/06/2014)

<table>
<thead>
<tr>
<th>Chassis Component</th>
<th>Coverage</th>
<th>Time</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBB Basic Chassis (Type D - HDX)</td>
<td>1 Year</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Chassis Paint (Type D)</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Engine (Accessory Equip.)</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Frame (Incl. Driver's Area &amp; Misc. Sheet Metal)</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Fuel Tank &amp; Mounting</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Manufactured Components</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Suspension Brackets</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Towing</td>
<td>6 Months</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>GHG14 Tire (Medium Heavy Duty to Heavy Heavy Duty Trucks)</td>
<td>5 Years</td>
<td>100,000 mi/161,000 km</td>
<td></td>
</tr>
<tr>
<td>GHG14 Tire (File Direct)</td>
<td>2 Years</td>
<td>24,000 mi/38,400 km</td>
<td></td>
</tr>
<tr>
<td>Front Axle(s) 1</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>Rear Axle(s) 1</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>Detroit (File Direct)</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>Non-Detroit (TBB)</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
</tbody>
</table>

1For informational purposes only; actual coverage may vary depending on vehicle specifications.
2Time or distance, whichever comes first
3Applies to models 2013 and later domiciled in the United States, check Coverage Descriptions that follow for coverage listed as "GHG14..."
4Customers will have only one (1) type of front axle coverage, either Detroit or TBB, depending on how a vehicle is spec'd.
5Customers will have only one (1) type of rear axle coverage, either Detroit or TBB, depending on how a vehicle is spec'd.

<table>
<thead>
<tr>
<th>Body Component</th>
<th>Coverage</th>
<th>Time</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBB Basic Body (Type D - HDX)</td>
<td>1 Year</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Manufactured Components</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Miscellaneous (Accessories, Compartments, etc.)</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Paint</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Passenger Doors</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Seat and Barrier Frames</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Seats, Barriers, and Stanchions</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Storm Glass and Windows</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Structure and Sheet Metal</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Towing</td>
<td>6 Months</td>
<td>Unlimited</td>
<td></td>
</tr>
</tbody>
</table>

6For informational purposes only; actual coverage may vary depending on vehicle specifications.
7Time or distance, whichever comes first

*Note: All warranties upgraded to 60 months (5 Years), 100,000 miles for FL DOE ITB 2020-16.
Warranty Statement

1.1 New Vehicle Coverage

The following section outlines Company standard warranty coverages for all Company vehicles, equipment, chassis, or cabs sold by Daimler Trucks North America and domiciled in the USA (50 states and Washington, D.C.) and Canada. This information is also included in the Owner's Warranty Information Booklet.

See Warranty Coverage Tables for standard warranty coverages by make and model. Additional coverage may apply; verify coverages on-line for specific vehicle warranty.

1.2 New Vehicle Limited Warranty

Under this New Vehicle Limited Warranty ("Warranty"), Daimler Trucks North America LLC ("Company") warrants that each new vehicle will be free from defects in material and workmanship that occur under normal use within the applicable warranty period, subject to certain limitations and exclusions as specified in this document.

This limited warranty applies only to new vehicles sold by an authorized Daimler Trucks North America (DTNA) dealer or ordered directly from DTNA; vehicles sold at auction or as a result of repossession retain the warranty coverage from the original in-service date or factory invoice date if the vehicle has not been warranty registered.

Daimler Trucks North America LLC reserves the right to reduce or remove coverage on vehicles in salvage condition.

This Warranty covers all components and parts unless specifically covered by other warranties or otherwise excluded by this document.

1.3 Limitations

This warranty does not apply to vehicles that are sold or domiciled outside of the United States (50 states and Washington, D.C.) or Canada.

This Warranty does not apply to engines, Allison transmissions, tires, or other components or parts that are not manufactured by Company and that are warranted directly by their respective manufacturers. Progressive damage caused by these manufacturers' components to any other parts including, but not limited to, parts installed by Company is excluded from Company warranty coverage. With respect to the foregoing, Company makes no warranty whether express, implied, statutory or otherwise including, but not limited to, parts installed by Company is excluded from Company warranty coverage. With respect to the foregoing, Company makes no warranty whether express, implied, statutory or otherwise including, but not limited to, any warranty of merchantability or fitness for a particular purpose.

This Warranty is exclusive and in lieu of all other warranties of any kind whether written, oral, or implied including, but not limited to, any warranty of merchantability or fitness for a particular purpose.

1.4 Purchaser's Exclusive Remedy

THIS WARRANTY SHALL BE THE PURCHASER'S SOLE EXCLUSIVE REMEDY AGAINST COMPANY, WHETHER IN CONTRACT, UNDER STATUTE (INCLUDING STATUTORY PROVISIONS AS TO CONDITIONS AS TO QUALITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF GOODS SUPPLIED PURSUANT TO THE CONTRACT OF SALE), WARRANTY, TORT, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY.

1.5 Limitation of Liability

COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE COST TO REPAIR OR REPLACE, IN COMPANY'S SOLE DISCRETION, THE DEFECTIVE COMPONENT OR PART THAT IN NO EVENT SHALL EXCEED THE FAIR MARKET VALUE OF THE VEHICLE AT THE TIME THE DEFECT IS DISCOVERED.

IN NO EVENT SHALL COMPANY BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT
LIMITED TO, INJURIES TO PERSONS OR DAMAGE TO PROPERTY, LOSS OF PROFITS OR ANTICIPATED PROFITS, OR LOSS OF VEHICLE USE.

1.6 Exclusions

The following components, parts, or conditions are specifically excluded from coverage under this Warranty.

AIR SPRINGS

Tolerance buildup can occur during the assembly process of the rear suspension and rear cab air springs, and can cause the springs to have the appearance of being crooked, misaligned or improperly installed. This tolerance buildup is not detrimental to the operation of the vehicle and will not have an effect on either the quality of the ride or the durability of the components or vehicle. Straightening of these springs is not covered under this Warranty.

ALIGNMENT OF AXLES/WHEELS/STEERING WHEEL

Each DTNA vehicle manufacturing plant uses a calibrated system to align axles and wheels and to center the steering wheel to Daimler Trucks North America LLC specifications. Realignment or readjustment of these items, including steering stops and steering poppets, is not covered under warranty.

Any special alignment settings at the request of the Owner must be handled between the Dealer and Owner after delivery from factory. These special adjustments are not covered under warranty.

AXLE BREATHER VENTS

During the vehicle manufacturing process, an oil run or drip stain may appear at the breather vent. Removing the vent, applying pipe sealant to the threaded vent fitting and re-installing the vent is unnecessary. Removing the axle breather vent and re-sealing the threaded fitting is not covered under this Warranty.

INTERIOR COMPONENTS

The repair or replacement of cab interior components that are rendered unserviceable due to normal wear or abuse are not covered under this Warranty.

These components include, but are not limited to:
- Floor coverings
- Painted trim components
- Steering wheel
- Steering wheel wrap
- Upholstery

CHROME SURFACES, ALUMINUM AND STAINLESS STEEL COMPONENTS

The following items ARE covered under this Warranty:
- Chrome peeling off in sheets
- Chrome cut at mounting bolts due to over-torque at the factory
- Bubbles in the chrome that are not caused by rock chips and/or general rust conditions
- Isolated rust along seams or welds

The following items are NOT covered under this Warranty:
- General rust, for example, rust on the unfinished backside of a bumper
- Dimpling at the mounting bolts
- Staining, bluing, and/or yellowing that can be cleaned with a quality cleaning-product
- Rust, pits, and/or nicks caused by road wash or road debris breaking the chrome surface
- Streaks/stains/corrosion caused by severe wash solutions or corrosive road salts/chemicals

Claims pertaining to failures of chrome surfaces, aluminum, and stainless steel components will not be processed unless a clear digital picture is provided that adequately shows the defect.

CLUTCH ADJUSTMENT

Clutch adjustments are normally required due to clutch wear and are considered normal maintenance. However, if the clutch adjustment is found to be outside of Company specifications during, or prior to, in-service of the vehicle, a warranty claim will be accepted on a one-time basis.

Claims for clutch adjustments will not be accepted unless the adjustment is found to be outside of Company specifications using the special clutch adjustment measuring tools provided by Company (e.g., adjusting the clutch to satisfy feel will not be accepted as warranty).

COMPETITION

Warranty will become void on any vehicle that is used in competition, including but not limited to:
- Racing
- Tractor pulls
- Other motor sports

CONSUMABLE PARTS

Parts that are subject to consumption during their normal service life and are routinely replaced during normal maintenance services are covered for a limited time:

<table>
<thead>
<tr>
<th>Make</th>
<th>Consumable Parts Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBB Bodies &amp; TBB Chassis</td>
<td>Up to 30 days from in-service date</td>
</tr>
<tr>
<td>FCCC Chassis</td>
<td>Up to 15,000 miles (24,000 km)</td>
</tr>
</tbody>
</table>

These items are:
- Antennas
- Ashtrays
- Belts
- Brake linings
- Cigarette lighter assembly
- Clutch brake
- Clutch linings
- Data logger batteries
- Desiccant cartridges
- Fire extinguishers
- Fluids
- Fuses
- Light bulbs
- Mud flaps
- Mud flap mounting brackets
- Caps (including, but not limited to, DEF, fuel, radiator, surge tank)
- Receiver-dryer filter
- Windshield washer nozzles
- Windshield wiper blades
Consumable parts NOT covered under this Warranty include, but are not limited to, the following:

- Antifreeze
- Filters (fuel, air, oil, water)
- Fluids (unless low due to a warrantable failure)
- Lubricants

**CORROSION**
Coverage provides warranty against corrosion to any metal or metal alloy part of the vehicle. Rust or corrosion to specific components and/or caused by certain conditions are excluded from all Company warranty coverage and will not be paid under Basic Vehicle, Cab Structure, Cab Corrosion/Perforation, Cowl Corrosion/Perforation, or Aftermarket Parts Warranty.

Exclusions to corrosion warranty include, but are not limited to, the following:

- Corrosion caused by general rust (for example, rust on the unfinished backside of a bumper)
- Surface rust caused by chips or scratches in the paint or chrome surfaces
- Corrosion caused by high-pressure washing, severe wash solutions, cleaning solvents, detergents, compounds
- Corrosion caused by salinity in the environment or corrosive salts and/or chemicals used on the road surface
- Corrosion caused by acid rain or other industrial fallout
- Corrosion due to improper prevention measures during storage or use
- Corrosion or rust on tone rings, rotors or drums (rotor exclusion does not apply to hydraulic discs with Magna-Coat Rotors)
- Corrosion due to environmental damage (including ocean spray); airborne fallout (includes chemicals, tree sap, etc.), or other atmospheric conditions or other acts of nature
- Corrosion due to improper use, misuse or abuse, negligence, including improper or insufficient maintenance

**DAMAGE**
The following are not covered under this Warranty:

- Damage caused by use of the vehicle in any application that is not approved or is inconsistent with build specifications
- Damage resulting from improper use or misuse or abuse, negligence, improper operation, improper or insufficient maintenance (including, but not limited to failure to maintain vehicle as outlined in the driver's/operator's and maintenance manuals), overloading, unauthorized modifications, accidents, or operation at excessive speeds
- Environmental damage, including airborne fallout (including chemicals, tree sap, etc.), or other atmospheric conditions, hailstones, or other acts of nature
- Damage caused by road salts/chemicals or cleaning solvents, detergents or compounds
- Storage deterioration including damage caused by improper or insufficient storage or maintenance
- Damage caused by road hazards or road conditions
- Damage caused during shipping/transport after initial delivery of vehicle
- Damages (including peeling or flaking) caused by high-pressure washing or steam-cleaning
- Damages occurring after in-service (e.g., from rock chips)
- Damages caused by customer-installed sealer in air conditioning systems
- Damages caused by engine horsepower/torque upgrades
- Damage due to vibration associated with misapplication or improper operation of drivetrain components
- Damage due to terrorist activities
- Damage due to acts of war

**ENGINE**
The engine, including all of its components as supplied by the engine manufacturer, is not covered under this Warranty, but is warranted separately by the manufacturer of the engine. For engine warranty or service, contact the engine manufacturer’s authorized sales and service facility.

**ENGINE BRAKES, AIR COMPRESSORS, AND OTHER PROPRIETARY ENGINE COMPONENTS**
The engine manufacturer installs most air compressors and engine brakes. Any failure of a proprietary engine component or Jacob® Brake component must be filed directly to the engine manufacturer.

Failures on non-proprietary engine components can be filed through DTNA.

**EXHAUST SYSTEM CLAMPS**
During the early life of the vehicle or when the engine is cold, many exhaust clamps exhibit a soot trace. This condition is self-correcting and does not require adjustment, tightening, or replacement of the clamp. Claims for adjusting or tightening will not be paid under warranty.

**GLASS, MIRRORS, LENS**
Glass, mirror or lens breakage or chips or scratches of glass, mirrors, or lenses are not covered by this Warranty.

**MISAPPLICATION OF VEHICLE**
The warranty on any vehicle used inconsistent with its specified vocation/application will be downgraded to the warranty that is consistent with the vehicle use. Any and all claims associated with the misapplication of the vehicle will be subject to chargeback.

**MISCELLANEOUS EXPENSES**
Premium charges and work not directly related to the repair or replacement of a warranted part are not covered under this Warranty. Examples include, but are not limited to:

- Federal, state, provincial, and local taxes
- Travel expenses
- Loss of revenue
- Customer labor, including overtime labor
- Downtime
- Driver’s expenses
- Cost of rental equipment
- Loss of cargo, including perishable cargo
• General housekeeping supplies (i.e., rags, solvents, sweeping compounds, coveralls, etc.)
• Communication charges
• Towing/road call assistance (unless coverage is specifically stated in the applicable warranty coverage table)
• Repair or replacement of optional items not sold or installed by company
• Removal or replacement of dealer, body builder, or customer-installed equipment
• Environmental fees, cleanup, or other charges
• Cost of emergency services

MODIFICATIONS TO ORIGINAL EQUIPMENT
Company does not warrant vehicle component or chassis modifications, or equipment installations arranged by Dealers or customers. In addition, the extra time necessary to remove body builder installed items and/or equipment to work on a warranted repair is not covered under this Warranty unless Company sells the complete chassis/body/equipment as a package.

If Dealers or customers perform any vehicle modifications or equipment installations, to the extent these modifications or equipment installations adversely affect other vehicle components or vehicle performance, Company shall not accept any product liability or claims under the terms of the vehicle warranty. These claims become the sole responsibility of the person performing the modifications or equipment installations.

PAINT
The following exclusions to paint warranty include, but are not limited to:
• Complete chassis re-painting to repair paint damages
• Damages occurring after in-service (e.g., from rock chips)
• Peeling/flaking caused by high-pressure washing or steam cleaning
• Rusting of painted bumpers
• Removal and/or replacement of decals, striping, and/or lettering not applied by Company
• Specific areas of the vehicle are deliberately not painted or are not painted to any standard; paint repairs are not warrantable to such areas. These areas include:
  • Underside of the hood, including the inside of the wheel wells
  • Inside of the bumper
  • Aftertreatment devices

Gloss
Gloss Warranty claims pertaining to gloss issues on vehicles painted with low-gloss colors (as identified in the Data Books) will not be covered under this warranty.

SHIP LOOSE ITEMS AND COMPONENTS
During the manufacturing process, certain vehicle components are normally placed in the cab of the vehicle or strapped down to the chassis for security reasons. It is the Dealer’s responsibility to mount these “ship loose” items in the correct location on the vehicle. Mounting of “ship loose” items will not be covered under warranty.

These items include, but may not be limited to, the following:
• Antennas
• Fire extinguishers
• Winter fronts
• Spare wheels/tires
• Chrome lug nut covers
• Driver’s pouch
• Jacks

TRANSMISSIONS
Allison transmissions and components are not covered under this Warranty, but are warranted separately by Allison. Information regarding Allison’s warranty is provided for informational purposes only and is subject to change. For warranty or service information, contact Allison’s authorized sales and service facility.

ROUTINE MAINTENANCE
Routine inspection, maintenance, servicing, and adjustment, as defined in the applicable Vehicle Maintenance Manual and Driver’s Manual, are excluded from Warranty.

Periodic adjustment or re-torque of wheel bearings, wheel lug nuts, and suspension U-bolts are considered maintenance adjustments and are not covered under warranty.

Vibrations, squeaks, rattles, loose fittings/clamps, hose fitting leaks, loose nuts/bolts/screws, and loose electrical connections may develop during the initial trip(s) of the vehicle and these types of repairs/adjustments are covered under warranty one time during the following applicable initial operating periods unless excluded in the paragraphs below.

Reminder: After the following initial operating periods, these developments are the result of use and their repair/adjustment activities are considered routine maintenance and thus excluded from warranty.

INITIAL OPERATING PERIOD
The Initial Operating Period (IOP) for Daimler Trucks North America LLC vehicles is as follows:

<table>
<thead>
<tr>
<th>Make</th>
<th>Initial Operating Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freightliner Custom Chassis Corporation (FCCC)</td>
<td>Up to 25,000 miles/40,000 km</td>
</tr>
<tr>
<td>Thomas Built Bus (TBB) bodies and TBB chassis*</td>
<td>Up to 6 months from the date of service</td>
</tr>
</tbody>
</table>

*TBB applications utilizing FCCC chassis retain the FCCC IOP separate from the TBB body.

See CONSUMABLE PARTS elsewhere in this section.

Exclusions from warranty during the Initial Operating Period are:
• Cab, hood, and fender-mounted mirrors are adjusted at the factory but may be retracted by the transporter to prevent damage during transport. Subsequent adjustments and tightening of mirror mounting hardware are considered part of the routine preparation of the vehicle before customer delivery. Claims for adjusting the mirrors or tightening of the attaching hardware will not be paid under warranty during or after the initial operating period.
• Claims for re-routing of electrical wiring, hoses, or lines which meet Daimler Trucks North America's
routing standards will not be paid under warranty during or after the initial operating period.
- Final preparation of the vehicle for customer delivery to include cleaning/vacuuming of interior, washing windows, washing the exterior, polishing exterior chromed or painted surfaces are considered as ordering-Dealer responsibilities. Claims for these activities will not be paid under warranty during or after the initial operating period.

TEST VEHICLES
Any vehicles being used in testing or used to test specific components must be identified to the Warranty Department and accommodations must be made for claims that relate to the test item(s).

Any vehicles used in endurance testing, such as the Altoona Test, are void of all warranty, new or used.

TIRES AND TIRE BALANCING
The tires are not covered under this Warranty, but are warranted separately by the tire manufacturer. Tire balancing is not covered under warranty.

1.7 Transfer of Warranty
This Warranty is transferable to a subsequent Owner if it has not expired.

To ensure the Owner receives proper warranty recognition, the ownership information should be updated in the Company system.

1.8 Change of Owner Address Information
To ensure Company's ability to reach the current Owner with Recall and Field Service campaign information, the Owner's information must be updated whenever there is a change to the Owner's name or address.

1.9 Product Improvement
Company reserves the right to make improvements or changes to the product at any time without incurring any obligation to make such changes or improvements to any other vehicle.

1.10 Owner's Responsibilities
It is the Owner's responsibility to ensure the vehicle is maintained as outlined in the Driver's/Operator's and Maintenance Manuals. It is important that the new Owner becomes familiar with the contents of the warranty information. When the Owner first receives the vehicle, Dealer should review the Owner's Warranty Information booklet with the Owner.

To initiate warranty, customer must complete and sign the Warranty Start Form (WAR275). Dealer must attach the Warranty Start Form to the Product Registration screen in OVL.

Chassis Coverage

TBB Basic Chassis (Type D - HDX)
Coverage includes all factory-installed components of the chassis that are not excluded elsewhere in this warranty or by special agreement or described as having a different time, or distance, or listed separately on each new vehicle coverage chart.

Includes: air compressor and governor, air compressor mounting bracket, air valves, air cleaner (except element), body (gasket), mounting bracket and bolts, alternators, alternator mounting bracket, alternator assembly, air throttle (including all components), air dryers, battery (prorated after 12 months), battery cables, clean power cable (battery to frame), clean power cable (batter to cab), instrument power cable (battery to engine), driveline, slip joint boot/clamp, universal joint, drive shaft, yoke/spline, bearing, bearing mounting, electrical system, ECU controller, programming, Electronic Control Module (ECM), exhaust system, muffler: basic assembly, mounting bracket/support, guard/heat shield, pipes: mounting bracket/support, stack cap, guard/heat shield, tail pipe, exhaust pipe and flange, crossover pipe, flex pipe, deflector, fan drive and clutch, engine fans: fan blade assembly, fan clutch coupling on/off fan drive, various fan drive, fan pulley, relay/magnetic switch, fan shaft and mounting (for all gear driven fan hub assembly), solenoid, temperature switch, fan system - hydraulic, fuel system (including hoses and lines), air inlet system: air intake grille, air inlet box/water separator, stack mounting bracket, air inlet cap/scoop, air inlet temperature control system, air restriction indicator, air inlet pipe, fuel tanks: mounting bracket and bolts, filler neck/cap and gasket, finish (metal), crash guard, tank body, fuel outlet tube, fuel tank valve/control, air vent, horns, hubs (front and rear, bearings and seals), instruments: electronically operated: bezel/cover plate, circuit board/instrument gauge, fuel level gauge, oil pressure (electrical) gauge, other gauge, rear axle oil temperature gauge, electrical speedometer (electrical) gauge, tachometer (electrical) gauge, transmission oil temperature gauge, voltmeter gauge, harness, PDM distribution harness, hour meter, ammeter module, odometer programming air pressure sender, fuel level sender, other sender, transmission oil temperature sender, speedometer/tachometer dip switch (reprogrammable), tachometer/alarm recorder (electronically driven), diesel exhaust fluid sender (DEF), oil coolers, radiators, radiator mounting brackets, surge tank, surge tank mounting brackets, speedometer, speedometer/tachometer circuit, housing, electrical, speedometer (electrical) gauge, speedometer/tachometer dip switch (programming only), starter, cranking system; harness, PDM distribution harness, starter motor, relay/magnetic switch, starter motor solenoid, clutch switch, key/ignition switch, springs, springs/suspension: air bag, assembly, rubber见识 (shear or compression), center bolt, spring bracket assembly, shock absorber mounting bracket, control (air suspension only), rear suspension cross member, equalizer/rocker arm and bushing, spring leaf assembly, pins and bushing shackles, lift spring, axle stop, sway bar assembly, torque arm and bushing assembly, trailing arm and bushing assembly, walking beam and bushing assembly, shocks, shock absorber, mounting bracket, steering, pitman arm, steering gear bracket/mounting, steering column assembly and mounting, steering shaft coupling/u-joint, cylinder assembly and valves, power.
steering pump mounting gasket, steering gear assembly, drag link, pulley, pump assembly, reservoir assembly, pump seals, steering gear seals, control valve, telescoping steering wheel mechanism, tilt steering wheel mechanism, steering wheel, steering wheel transmission (manufacturer's warranty applies), wheel end equipment, brake components, wheels, hubs, drums, rotors, wheel seals, bearings, slack adjusters, attaching hardware, backing plate/anchor/dust shield, brake chamber bracket, caliper chamber, brake chamber diaphragm, wheel brake actuating linkage/cam/camshaft, brake spider, brake shoe return spring (excludes wear), engine mounts (brackets), front mount/bolt, rear mount/bolt

Excludes: Allison transmissions are not covered under this warranty. For Allison transmission claims, please file directly with Allison.

TBB Chassis Paint (Type D)
Coverage includes: frame and cross members

TBB Engine (Accessory equip.)
Coverage includes: brackets and isolators

TBB Frame (incl. Driver's Area & Misc. Sheet Metal)
Coverage includes: crossmembers, rear suspension, gussets, and huck-mounting bolts that attach gussets to crossmembers and gussets/crossmembers to frame rails (excludes any bolt-on item attached with either conventional or huck bolts), frame rails, frame side rail, reinforcements and gussets, frame rail liners, frame rail extension, s-rails, and any items factory welded to them

TBB Fuel Tank and Mounting
Coverage includes: fuel tanks, mounting bracket and bolts, crash guard, tank body

TBB Manufactured Components
Coverage includes: only TBB manufactured components

TBB Suspension Brackets
Coverage includes: suspension brackets

TBB Towing
Coverage includes: maximum payment as displayed, per occurrence, for towing for a defect in material and workmanship of a component that prevents the safe and lawful operation of the vehicle. Currency exchange rate does not apply. Maximum payment as displayed no matter the currency. Reimbursement max: $250 for units order prior to 01/01/2009 or $450 for units order on or after 01/01/2009.

If towing is associated with a DTNA warrantable failure, towing charges must be on the same claim. Reimbursement of .5 hour (SRT 939-6020A) to reinstall drivelines if tow company has removed, but not reinstalled, the driveline and the vehicle has and is within the tow coverage.

TBB Front Axles
Coverage applies to non-Detroit Axles. Coverage includes: axle (front), non-driving front axle: steering arm, fitting (zerk), front axle, beam, king pin and bushings, steering knuckle, king pin seal

TBB Rear Axles
Coverage applies to non-Detroit Axles. Coverage includes: axle (rear), basic axle components: carrier, companion flange/yoke, carrier gasket, axle housing, axle carrier components: internal bearings, limited slip differential gears/bushings/cross, axle gear set: ring gear bolt, helical gears, planetary gears, ring and pinion gears, shafts and seals: helical drive gear shaft

Detroit Front Axles
All warranty inquiries and claims are filed directly to Detroit Axles. Please see www.ddcsn.com for specific coverage details.

Detroit Rear Axles
All warranty inquiries and claims are filed directly to Detroit Axles. Please see www.ddcsn.com for specific coverage details.

GHG14
DTNA warrants that its vehicles are (1) designed, built and equipped so as to conform, at the time of sale, with requirements of vehicle manufacturers whose vehicles are designed to meet applicable 2014 and later U.S. Environmental Protection Agency and National Highway Traffic and Safety Administration Standards greenhouse gas and fuel efficiency standards, and (2) free from defects in material and workmanship which cause the vehicle to fail to conform with the vehicle manufacturer's requirements for all vehicle emission control items listed below.

Per EPA regulations, A/C components for buses are not covered under GHG14 coverage.

Coverage name/description may vary depending on vehicle specifications; authorized dealers may check actual warranty online via OWL's Coverage Info/Check Coverage screen for coverage listed as "GHG14..."

GHG14 Tire (File Direct)
DTNA warrants that its vehicles are (1) designed, built and equipped with tires that conform, at the time of sale, with requirements of vehicle manufacturers whose vehicles are designed to meet applicable 2014 and later U.S. Environmental Protection Agency and National Highway Traffic and Safety Administration greenhouse gas and fuel efficiency standards, and (2) those tires are free from defects in material and workmanship which cause the vehicle to fail to conform with the vehicle manufacturer's requirements for a period of 2 years or 24,000 miles, whichever occurs first. Claims for failures under this coverage are filed directly to the tire manufacturer.

Coverage name/description may vary depending on vehicle specifications; authorized dealers may check actual warranty online via OWL's Coverage Info/Check Coverage screen for coverage listed as "GHG14 Tire (File Direct)."
Body Coverage Descriptions

TBB A/C System (TBB Installed)
Coverage includes: air conditioning; A/C electrical control panel, accumulator/dryer; air conditioner O-ring, compressor clutch, rotary compressor, condenser, fan condenser, air conditioning ducting, evaporator, A/C fitting/pipe, A/C hose, motor, relay/magnetic switch, high side Schrader valve, low side Schrader valves, refrigerant pressure sensor, switch, high pressure switch, low pressure switch, inlet thermistor, outlet thermistor, orifice tube, expansion valve, water valve (internal to the dash mounted A/C-heat unit), blower wheel

TBB Basic Body (Type D – HDX)
Coverage includes all factory-installed components of the body that are not excluded elsewhere in the warranty, or by special agreement or described as having a different time, or distance, or stated separately on each new vehicle warranty coverage chart.

Includes: air operated components, dash panels, dash plastic, dash switch plates, door controls, doors: air control, electric controls, manual controls, hold back devices, emergency rear doors, emergency side doors, entrance doors, lift-single/double doors, door handles, hinges, door locks, air pump, vandalslocks, door locks, latches, electrical motors, motor/door-air distribution actuator, motor/door-blend air actuator, resistor block, core (heater), air conditioner/heater/defroster ducting, defroster fan, harness, under bus to rear HVAC hose, HVAC control module, motor, mounting/housing (main case) relay/magnetic switch, switch (either start), radiator fan/shutter override switch, blower wheels, floor covering, step treads, floor plywood, plywood fastening, window frame (excludes glass), windows, push out window, stationary windows, split sash window, split sash storm window, heater cores, cable control, heater core, hose covers/trim, defroster duct, driver’s heater, defroster fan, mid-side heater, heater motor, rear heater, stepwell heater, lights, back-up light, clearance light, directional light, directional side light, dome light, headlights, license plate light, marker light, stop/tail light, stop light, strobe light, warning light, (excludes all bulbs and fading lenses), cowl mount mirror, cross view mirror, rear mount mirror/rear view mirror, heated mirror, inside rear view mirror, seals (windows & doors), seats, anchors, barriers, driver’s seat, flip seat, passenger seat/frame (soft goods), lifts & panels, modesty panels, ceiling assist rail, shields, stanchions, wheel chair tie downs, wheel chair lift units, switches, master solenoid disconnect, electrical panel, flashers, fuse panel, harness (wires, connectors, and terminals), body options external (engine) harness, dash harness, flasher plate harness, flasher to cowl harness, front cap harness, front end harness, left hand body harness, LH switch panel harness, overhead switch panel harness, power distribution (on flasher plate) harness, rear cab harness, RH switch panel harness, right hand body harness, horns, light monitors, strobe power packs, visors, safety equipment: backing alarms, child check mate, destination signs, sun visors, wig-wag, vandallock system, warning devices, clasher modules, child reminder system, driver alert sign, stop arms, walk gales, back up alarms, windshield wipers, drive motor, washer, washer bottle, wiper controls, wiring, wiring harness, wiring harness brackets, cables, connectors, a/c system (TBB installed), a/c electrical control panel, accumulator/dryer, air conditioner O-ring, compressor clutch, rotary compressor, condenser, fan condenser, air conditioning ducting, evaporator, a/c fitting/pipe, a/c hose, motor, relay/magnetic switch, high side Schrader valve, low side Schrader valves, refrigerant pressure sensor, switch, high pressure switch, low pressure switch, inlet thermistor, outlet thermistor, orifice tube, expansion valve, water valve (internal to the dash mounted A/C-heat unit), blower wheel, radios, radio- entertainment (only applicable if factory installed), harness, radio-basic assembly, speaker, fiberglass components

TBB Manufactured Components
Coverage includes: compartments, battery compartment, designation sign compartment, electrical access compartment, luggage compartment, tool compartment, bumper system, bracket or mounting, bumper, bumper fascia, bumper frame, body-inside, metal bulkheads, grab rails, luggage rack assembly, luggage rack pads, luggage rack mounting, metal interior trim

TBB Miscellaneous (Accessories, Compartments, Etc.)
Coverage includes: roof insulation, side wall insulation, bulkhead, rafter cavity, plastic trim, storm sash

TBB Paint
Coverage includes: all components painted by TBB. Coverage excludes: fading
- For vehicle orders received prior to 08/06/2014: Paint adhesion is pro-rated – Years 1 & 2: 100%; Year 3: 50%; Years 4 & 5: 30%
- For vehicle orders received on or after 08/06/2014: Paint adhesion is 5 years/Unlimited

TBB Passenger Doors
Coverage includes: door shells and hinges

TBB Seat & Barrier Frames
Coverage includes: passenger seat frames and barrier frames

TBB Seats, Barriers, Stanchions
Coverage includes: barrier foam, barrier upholstery (including sewing, stapling, etc.) armrest, seat foam/springs, seat upholstery (sewing, stapling, etc.), morns seat, flip mech., plywood, seat track (includes related hardware)
- For vehicle orders received prior to 08/06/2014: Coverage applies to TBB manufactured seats
- For vehicle orders received on or after 08/06/2014: Coverage applies to vendor manufactured seats installed at factory at time of bus manufacture by TBB

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TBB Storm Glass and Windows
Coverage includes: all storm windows and frames
Excludes: glass breakage

TBB Structure and Sheet Metal
Coverage includes: belt line angle, door header, exterior sheet metal, trim, left and right exterior side sheets, fenderetle (steel), floor sheets, floor panels, front assembly sheet metal, headlining, inside side lining, interior sheet metal trim, main body door post and capping, outriggers, pilaster, rafter, rafter reinforcement, rear assembly sheet metal, roof rails, roof sheets and hoods, rub rails, seatrail, floor rail, entrances stepwell, under floor angle, channel, cross tube, vestibule floor, front and rear wheel house, window header, structural adhesives, sheet metal protection, rust perforation
Excludes: fiberglass components

TBB Towing
Coverage includes: maximum payment as displayed, per occurrence, for towing for a defect in material and workmanship of a component that prevents the safe and lawful operation of the vehicle. Currency exchange rate does not apply. Maximum payment as displayed no matter the currency. Reimbursement max: $250 for units order prior to 01/01/2009 or $450 for units order on or after 01/01/2009.

If towing is associated with a DTNA warrantable failure, towing charges must be on the same claim. Reimbursement of .5 hour (SRT 939-6020A) to reinstall drivelines if tow company has removed, but not reinstalled, the driveline and the vehicle has and is within the tow coverage.
# New Vehicle Warranty Coverage

**Thomas Built Bus (TBB)**

## TBB EF/EFX School Bus (Orders received on or after 08/06/2014)

<table>
<thead>
<tr>
<th>Chassis Component</th>
<th>Coverage ¹</th>
<th>Time ²</th>
<th>Distance ²</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBB Basic Chassis (Type D - EF)</td>
<td>1 Year</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Chassis Paint (Type D)</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Engine (Accessory Equip.)</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Frame (Incl. Driver’s Area &amp; Misc. Sheet Metal)</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Fuel Tank &amp; Mounting</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Manufactured Components</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Suspension Brackets</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Towing</td>
<td>6 Months</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>GHG14 ³ (Medium Heavy Duty to Heavy Heavy Duty Trucks)</td>
<td>5 Years</td>
<td>100,000 mi/161 000 km</td>
<td></td>
</tr>
<tr>
<td>GHG14 ³ Tire (File Direct)</td>
<td>2 Years</td>
<td>24,000 mi/38 400 km</td>
<td></td>
</tr>
<tr>
<td>Front Axle(s) ⁴</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Detroit (File Direct)</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>Non-Detroit (TBB)</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>Rear Axle(s) ⁴</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Detroit (File Direct)</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>Non-Detroit (TBB)</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
</tbody>
</table>

¹For informational purposes only; actual coverage may vary depending on vehicle specifications.

²Time or distance, whichever comes first

³Applies to models 2013 and later domiciled in the United States, check Coverage Descriptions that follow for coverage listed as “GHG14…”

⁴Customers will have only one (1) type of front axle coverage, either Detroit or TBB, depending on how a vehicle is spec’d.

⁵Customers will have only one (1) type of rear axle coverage, either Detroit or TBB, depending on how a vehicle is spec’d.

<table>
<thead>
<tr>
<th>Body Component</th>
<th>Coverage ⁶</th>
<th>Time ³</th>
<th>Distance ³</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBB Basic Body (Type D - EF)</td>
<td>1 Year</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Manufactured Components</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Miscellaneous (Accessories, Compartments, etc.)</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Paint</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Passenger Doors</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Seat and Barrier Frames</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Seats, Barriers, and Stanchions</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Storm Glass and Windows</td>
<td>2 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Structure and Sheet Metal</td>
<td>5 Years</td>
<td>Unlimited</td>
<td></td>
</tr>
<tr>
<td>TBB Towing</td>
<td>6 Months</td>
<td>Unlimited</td>
<td></td>
</tr>
</tbody>
</table>

⁶For informational purposes only; actual coverage may vary depending on vehicle specifications.

³Time or distance, whichever comes first

**Warranty Statement & Warranty Coverage Descriptions follow on page three of this document.**

The information provided in this document is for general information only and is not offered as customer’s warranty. This coverage may be superseded without notification.

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Effective: 10/17/2014
**Warranty Statement**

1.1 New Vehicle Coverage

The following section outlines Company standard warranty coverages for all Company vehicles, equipment, chassis, or cabs sold by Daimler Trucks North America and domiciled in the USA (50 states and Washington, D.C.) and Canada. This information is also included in the Owner's Warranty Information Booklet.

See Warranty Coverage Tables for standard warranty coverages by make and model. Additional coverage may apply; verify coverages on-line for specific vehicle warranty.

1.2 New Vehicle Limited Warranty

Under this New Vehicle Limited Warranty ("Warranty"), Daimler Trucks North America LLC ("Company") warrants that each new vehicle will be free from defects in material and workmanship that occur under normal use within the applicable warranty period, subject to certain limitations and exclusions as specified in this document.

This limited warranty applies only to new vehicles sold by an authorized Daimler Trucks North America (DTNA) dealer or ordered directly from DTNA, vehicles sold at auction or as a result of repossession retain the warranty coverage from the original in-service date or factory invoice date if the vehicle has not been warranty registered.

Daimler Trucks North America LLC reserves the right to reduce or remove coverage on vehicles in salvage condition.

This Warranty covers all components and parts unless specifically covered by other warranties or otherwise excluded by this document.

1.3 Limitations

This warranty does not apply to vehicles that are sold or domiciled outside of the United States (50 states and Washington, D.C.) or Canada.

This Warranty does not apply to engines, Allison transmissions, tires, or other components or parts that are not manufactured by Company and that are warranted directly by their respective manufacturers. Progressive damage caused by these manufacturers' components to any other parts including, but not limited to, parts installed by Company is excluded from Company warranty coverage. With respect to the foregoing, Company makes no warranty whether express, implied, statutory or otherwise including, but not limited to, parts installed by Company is excluded from Company warranty coverage. With respect to the foregoing, Company makes no warranty whether express, implied, statutory or otherwise including, but not limited to, warranty of merchantability or fitness for a particular purpose.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND WHETHER WRITTEN, ORAL, OR IMPLIED INCLUDING, BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY SPECIFICALLY EXCLUDES ANY OTHER WARRANTIES OR CONDITIONS PROVIDED FOR BY LAW, WHETHER STATUTORY OR OTHERWISE.

COMPANY'S SOLE OBLIGATION UNDER THIS WARRANTY SHALL BE TO REPAIR OR REPLACE, IN COMPANY'S SOLE DISCRETION, ANY DEFECTIVE COMPONENT OR PART THAT IN REPAIR OR REPLACEMENT SHALL BE WITHOUT COST TO PURCHASER WHEN PERFORMED WITHIN THE APPLICABLE WARRANTY PERIOD (TIME, DISTANCE, OR HOUR LIMIT, WHICHEVER OCCURS FIRST).

Purchaser must notify Company within the applicable warranty period, of any failure of the vehicle to comply with this Warranty and Purchaser must, at Purchaser's expense, promptly return the vehicle to an Authorized Service Facility for inspection and repair or replacement of any defect in material or workmanship occurring within the applicable warranty period. During New Vehicle coverage, warranty reimbursement will not be paid on repairs performed by customers on their own vehicles without a current Customer Performed Warranty Agreement (CPWA).

The vehicle must be maintained and serviced according to the prescribed schedules outlined in the Driver's/Operator's and Maintenance Manuals. Receipted bills and other evidence showing that required maintenance and service have been performed are required by Company as a condition of this Warranty.

After the Company's obligations under this Warranty expire, all liabilities of Company to Purchaser under this Warranty shall terminate. Repairs made under this Warranty do not constitute an extension of the original Warranty period for the vehicle or for any specific component or part.

To the extent that any provision of this Warranty contravenes the law of any jurisdiction, such provision shall be inapplicable in such jurisdiction, and the remainder of the warranty shall not be affected.

1.4 Purchaser's Exclusive Remedy

THIS WARRANTY SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST COMPANY, WHETHER IN CONTRACT, UNDER STATUTE (INCLUDING STATUTORY PROVISIONS AS TO CONDITIONS AS TO QUALITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF GOODS SUPPLIED PURSUANT TO THE CONTRACT OF SALE), WARRANT, TORT, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY.

1.5 Limitation of Liability

COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE COST TO REPAIR OR REPLACE, IN COMPANY'S SOLE DISCRETION, THE DEFECTIVE COMPONENT OR PART THAT IN NO EVENT SHALL EXCEED THE FAIR MARKET VALUE OF THE VEHICLE AT THE TIME THE DEFECT IS DISCOVERED.

IN NO EVENT SHALL COMPANY BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT
LIMITED TO, INJURIES TO PERSONS OR DAMAGE TO PROPERTY, LOSS OF PROFITS OR ANTICIPATED PROFITS, OR LOSS OF VEHICLE USE.

1.6 Exclusions

The following components, parts, or conditions are specifically excluded from coverage under this Warranty.

AIR SPRINGS

Tolerance buildup can occur during the assembly process of the rear suspension and rear cab air springs, and can cause the springs to have the appearance of being crooked, misaligned or improperly installed. This tolerance buildup is not detrimental to the operation of the vehicle and will not have an effect on either the quality of the ride or the durability of the components or vehicle. Straightening of these springs is not covered under this Warranty.

ALIGNMENT OF AXLES/WHEELS/STEERING WHEEL

Each DTNA vehicle manufacturing plant uses a calibrated system to align axles and wheels and to center the steering wheel to Daimler Trucks North America LLC specifications. Realignment or readjustment of these items, including steering stops and steering ponnels, is not covered under warranty.

Any special alignment settings at the request of the Owner must be handled between the Dealer and Owner after delivery from factory. These special adjustments are not covered under Warranty.

AXLE BREATHER VENTS

During the vehicle manufacturing process, an oil run or drip stain may appear at the breather vent. Removing the vent, applying pipe sealant to the threaded vent fitting and re-installing the vent is unnecessary. Removing the axle breather vent and re-sealing the threaded fitting is not covered under this Warranty.

INTERIOR COMPONENTS

The repair or replacement of cab interior components that are rendered unserviceable due to normal wear or abuse are not covered under this Warranty.

These components include, but are not limited to:

- Floor coverings
- Painted trim components
- Steering wheel
- Steering wheel wrap
- Upholstery

CHROME SURFACES, ALUMINUM AND STAINLESS STEEL COMPONENTS

The following items ARE covered under this Warranty:

- Chrome peeling off in sheets
- Chrome cut at mounting bolts due to over-torque at the factory
- Bubbles in the chrome that are not caused by rock chips and/or general rust conditions
- Isolated rust along seams or welds

The following items are NOT covered under this Warranty:

- General rust, for example, rust on the unfinished backside of a bumper
- Dimpling at the mounting bolts
- Staining, bluing, and/or yellowing that can be cleaned with a quality cleaning-product
- Rust, pits, and/or nicks caused by road wash or road debris breaking the chrome surface
- Streaks/stains/corrosion caused by severe wash solutions or corrosive road salts/chemicals

Claims pertaining to failures of chrome surfaces, aluminum, and stainless steel components will not be processed unless a clear digital picture is provided that adequately shows the defect.

CLUTCH ADJUSTMENT

Clutch adjustments are normally required due to clutch wear and are considered normal maintenance. However, if the clutch adjustment is found to be outside of Company specifications during, or prior to, in-service of the vehicle, a warranty claim will be accepted on a one-time basis.

Claims for clutch adjustments will not be accepted unless the adjustment is found to be outside of Company specifications using the special clutch adjustment measuring tools provided by Company (e.g., adjusting the clutch to satisfy feel will not be accepted as warranty).

COMPETITION

Warranty will become void on any vehicle that is used in competition, including but not limited to:

- Racing
- Tractor pulls
- Other motor sports

CONSUMABLE PARTS

Parts that are subject to consumption during their normal service life and are routinely replaced during normal maintenance services are covered for a limited time:

<table>
<thead>
<tr>
<th>Make</th>
<th>Consumable Parts Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBB Bodies &amp; TBB Chassis</td>
<td>Up to 30 days from in-service date</td>
</tr>
<tr>
<td>FCCC Chassis</td>
<td>Up to 15,000 miles (24,000 km)</td>
</tr>
</tbody>
</table>

These items are:

- Antennas
- Ashtrays
- Belts
- Brake linings
- Cigarette lighter assembly
- Clutch brake
- Clutch linings
- Data logger batteries
- Desiccant cartridges
- Fire extinguishers
- Fluids
- Fuses
- Light bulbs
- Mud flaps
- Mud flap mounting brackets
- Caps (including, but not limited to, DEF, fuel, radiator, surge tank)
- Receiver-dryer filter
- Windshield washer nozzles
- Windshield wiper blades
Consumable parts NOT covered under this Warranty include, but are not limited to, the following:

- Antifreeze
- Filters (fuel, air, oil, water)
- Fluids (unless low due to a warrantable failure)
- Lubricants

**CORROSION**
Coverage provides warranty against corrosion to any metal or metal alloy part of the vehicle. Rust or corrosion to specific components and/or caused by certain conditions are excluded from all Company warranty coverage and will not be paid under Basic Vehicle, Cab Structure, Cab Corrosion/Perforation, Cowl Corrosion/Perforation, or Aftermarket Parts Warranty.

Exclusions to corrosion warranty include, but are not limited to, the following:

- Corrosion caused by general rust (for example, rust on the unfinished backside of a bumper)
- Surface rust caused by chips or scratches in the paint or chrome surfaces
- Corrosion caused by high-pressure washing, severe wash solutions, cleaning solvents, detergents, compounds
- Corrosion caused by salinity in the environment or corrosive salts and/or chemicals used on the road surface
- Corrosion caused by acid rain or other industrial fallout
- Corrosion due to improper prevention measures during storage or use
- Corrosion or rust on tone rings, rotors or drums (rotor exclusion does not apply to hydraulic discs with Magna-Coat Rotors)
- Corrosion due to environmental damage (including ocean spray); airborne fallout (includes chemicals, tree sap, etc.), or other atmospheric conditions or other acts of nature
- Corrosion due to improper use, misuse or abuse, negligence, including improper or insufficient maintenance

**DAMAGE**
The following are not covered under this Warranty:

- Damage caused by use of the vehicle in any application that is not approved or is inconsistent with build specifications
- Damage resulting from improper use or misuse or abuse, negligence, improper operation, improper or insufficient maintenance (including, but not limited to, failure to maintain vehicle as outlined in the driver/operator’s and maintenance manuals), overloading, unauthorized modifications, accidents, or operation at excessive speeds
- Environmental damage, including airborne fallout (including chemicals, tree sap, etc.), or other atmospheric conditions, hailstones, or other acts of nature
- Damage caused by road salts/chemicals or cleaning solvents, detergents or compounds
- Storage deterioration including damage caused by improper or insufficient storage or maintenance
- Damage caused by road hazards or road conditions

- Damage caused during shipping/transport after initial delivery of vehicle
- Damages (including peeling or flaking) caused by high-pressure washing or steam-cleaning
- Damages occurring after in-service (e.g., from rock chips)
- Damages caused by customer-installed sealer in air conditioning systems
- Damages caused by engine horsepower/torque upgrades
- Damage due to vibration associated with misapplication or improper operation of drivetrain components
- Damage due to terrorist activities
- Damage due to acts of war

**ENGINE**
The engine, including all of its components as supplied by the engine manufacturer, is not covered under this Warranty, but is warranted separately by the manufacturer of the engine. For engine warranty or service, contact the engine manufacturer’s authorized sales and service facility.

**ENGINE BRAKES, AIR COMPRESSORS, AND OTHER PROPRIETARY ENGINE COMPONENTS**
The engine manufacturer installs most air compressors and engine brakes. Any failure of a proprietary engine component or Jacob® Brake component must be filed directly to the engine manufacturer.

Failures on non-proprietary engine components can be filed through DTNA.

**EXHAUST SYSTEM CLAMPS**
During the early life of the vehicle or when the engine is cold, many exhaust clamps exhibit a soot trace. This condition is self-correcting and does not require adjustment, tightening, or replacement of the clamp. Claims for adjusting or tightening will not be paid under warranty.

**GLASS, MIRRORS, LENS**
Glass, mirror or lens breakage or chips or scratches of glass, mirrors, or lenses are not covered by this Warranty.

**MISAPPLICATION OF VEHICLE**
The warranty on any vehicle used inconsistent with its specified vocation/application will be downgraded to the warranty that is consistent with the vehicle use. Any and all claims associated with the misapplication of the vehicle will be subject to chargeback.

**MISCELLANEOUS EXPENSES**
Premium charges and work not directly related to the repair or replacement of a warranted part are not covered under this Warranty. Examples include, but are not limited to:

- Federal, state, provincial, and local taxes
- Travel expenses
- Loss of revenue
- Customer labor, including overtime labor
- Downtime
- Driver’s expenses
- Cost of rental equipment
- Loss of cargo, including perishable cargo
- General housekeeping supplies (i.e., rags, solvents, sweeping compounds, coveralls, etc.)
- Communication charges
- Towing/road call assistance (unless coverage is specifically stated in the applicable warranty coverage table)
- Repair or replacement of optional items not sold or installed by company
- Removal or replacement of dealer, body builder, or customer-installed equipment
- Environmental fees, cleanup, or other charges
- Cost of emergency services

MODIFICATIONS TO ORIGINAL EQUIPMENT
Company does not warrant vehicle component or chassis modifications, or equipment installations arranged by Dealers or customers. In addition, the extra time necessary to remove body builder installed items and/or equipment to work on a warranted repair is not covered under this Warranty unless Company sells the complete chassis/body/equipment as a package.

If Dealers or customers perform any vehicle modifications or equipment installations, to the extent these modifications or equipment installations adversely affect other vehicle components or vehicle performance, Company shall not accept any product liability or claims under the terms of the vehicle warranty. These claims become the sole responsibility of the person performing the modifications or equipment installations.

PAINT
The following exclusions to paint warranty include, but are not limited to:
- Complete chassis re-painting to repair paint damages
- Damages occurring after in-service (e.g., from rock chips)
- Peeling/flaking caused by high-pressure washing or steam cleaning
- Rusting of painted bumpers
- Removal and/or replacement of decals, striping, and/or lettering not supplied by Company
- Specific areas of the vehicle are deliberately not painted or are not painted to any standard; paint repairs are not warrantable to such areas. These areas include:
  - Underside of the hood, including the inside of the wheel wells
  - Inside of the bumper
  - Aftertreatment devices

Glass
Glass Warranty claims pertaining to glass issues on vehicles painted with low-gloss colors (as identified in the Data Books) will not be covered under this warranty.

SHIP LOOSE ITEMS AND COMPONENTS
During the manufacturing process, certain vehicle components are normally placed in the cab of the vehicle or strapped down to the chassis for security reasons. It is the Dealer's responsibility to mount these "ship loose" items in the correct location on the vehicle. Mounting of "ship loose" items will not be covered under warranty.

These items include, but may not be limited to, the following:
- Antennas
- Fire extinguishers
- Winter fronts
- Spare wheels/tires
- Chrome lug nut covers
- Driver's pouch
- Jacks

TRANSMISSIONS
Allison transmissions and components are not covered under this Warranty, but are warranted separately by Allison. Information regarding Allison's warranty is provided for informational purposes only and is subject to change. For warranty or service information, contact Allison's authorized sales and service facility.

ROUTINE MAINTENANCE
Routine inspection, maintenance, servicing, and adjustment, as defined in the applicable Vehicle Maintenance Manual and Driver's Manual, are exclusive of Warranty.

Periodic adjustment or re-torque of wheel bearings, wheel lug nuts, and suspension U-bolts are considered maintenance adjustments and are not covered under warranty.

Vibrations, squeaks, rattles, loose fittings/clamps, hose fitting leaks, loose nuts/bolts/screws, and loose electrical connections may develop during the initial trip(s) of the vehicle and these types of repairs/adjustments are covered under warranty one time during the following applicable initial operating periods unless excluded in the paragraphs below.

Reminder: After the following initial operating periods, these developments are the result of use and their repair/adjustment activities are considered routine maintenance and thus excluded from warranty.

INITIAL OPERATING PERIOD
The Initial Operating Period (IOP) for Daimler Trucks North America LLC vehicles is as follows:

<table>
<thead>
<tr>
<th>Make</th>
<th>Initial Operating Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freightliner Custom Chassis Corporation (FCCC)</td>
<td>Up to 25,000 miles / 40,000 km</td>
</tr>
<tr>
<td>Thomas Built Bus (TBB) bodies and TBB chassis*</td>
<td>Up to 6 months from date of in-service</td>
</tr>
</tbody>
</table>

*TBB applications utilizing FCCC chassis retain the FCCC IOP separate from the TBB body.

See CONSUMABLE PARTS elsewhere in this section.

Exclusions from warranty during the Initial Operating Period are:
- Cab, hood, and fender-mounted mirrors are adjusted at the factory but may be retracted by the transporter to prevent damage during transport. Subsequent adjustments and tightening of mirror mounting hardware are considered part of the routine preparation of the vehicle before customer delivery. Claims for adjusting the mirrors or tightening of the attaching hardware will not be paid under warranty during or after the initial operating period.
- Claims for re-routing of electrical wiring, hoses, or lines which meet Daimler Trucks North America's...
routing standards will not be paid under warranty during or after the initial operating period.

- Final preparation of the vehicle for customer delivery to include cleaning/vacuuming of interior, washing windows, washing the exterior, polishing exterior chrome or painted surfaces are considered as ordering-Dealer responsibilities. Claims for these activities will not be paid under warranty during or after the initial operating period.

**TEST VEHICLES**

Any vehicles being used in testing or used to test specific components must be identified to the Warranty Department and accommodations must be made for claims that relate to the test item(s).

Any vehicles used in endurance testing, such as the Altoona Test, are void of all warranty, new or used.

**TIRES AND TIRE BALANCING**

The tires are not covered under this Warranty, but are warranted separately by the tire manufacturer. Tire balancing is not covered under warranty.

1.7 Transfer of Warranty

This Warranty is transferable to a subsequent Owner if it has not expired.

To ensure the Owner receives proper warranty recognition, the ownership information should be updated in the Company system.

1.8 Change of Owner Address Information

To ensure Company’s ability to reach the current Owner with Recall and Field Service campaign information, the Owner’s information must be updated whenever there is a change to the Owner’s name or address.

1.9 Product Improvement

Company reserves the right to make improvements or changes to the product at any time without incurring any obligation to make such changes or improvements to any other vehicle.

1.10 Owner’s Responsibilities

It is the Owner’s responsibility to ensure the vehicle is maintained as outlined in the Driver’s/Operator’s and Maintenance Manuals. It is important that the new Owner becomes familiar with the contents of the warranty information. When the Owner first receives the vehicle, Dealer should review the Owner’s Warranty Information booklet with the Owner.

To initiate warranty, customer must complete and sign the Warranty Start Form (WAR275). Dealer must attach the Warranty Start Form to the Product Registration screen in OWL.

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**Chassis Coverage Descriptions**

**TBB Basic Chassis (Type D - EF/EFX)**

Coverage includes all factory-installed components of the chassis that are not excluded elsewhere in this warranty or by special agreement or described as having a different time, or distance, or listed separately on each new vehicle coverage chart.

Includes: air compressor and governor, air compressor mounting bracket, air valves, air cleaner (except element), body (gasket), mounting bracket and bolts, alternators, alternator mounting bracket, alternator assembly, air throttle (including all components), air dryers, battery (prorated after 12 months), battery cables, clean power cable (battery to Trans), clean power cable (battery to cab), clean power cable (battery to engine), drive line, seal joint bolt/clamp, universal joint, drive shaft, yoke/spline bearing, bearing mounting, electrical system, ESC controller, programming, Electronic Control Module (ECM), exhaust system, muffler: basic assembly, mounting bracket/support, guard/heat shield, pipes: mounting bracket/support, stack cap, guard/heat shield, tail pipe, exhaust pipe and flange, crossover pipe, flex pipe, mitigator, fan drive and clutch, engine fans: fan blade assembly, fan clutch assembly, on/off fan drive, vane/fan drive, fan pulley, relay/magnetic switch, fan shaft and mounting (for all gear driven fan hub assembly), solenoid, temperature switch, fan system – hydraulic, fuel system (including hoses and lines), air inlet system: air intake grille, air intake box/water separator, stack mounting bracket, air inlet cap/scoop, air inlet temperature control system, air restriction indicator, air inlet pipe, fuel tanks: mounting bracket and bolts, filler neck/cap and gasket, finish (metal), crash guard, tank body, fuel outlet tube, fuel tank valve/control, air vent, horns, hubs (front and rear, bearings, and seals), instruments, electronically operated: bezel/cover plate, circuit board/instrument gauge, fuel level gauge, oil pressure (electrical) gauge, other gauge, rear axle oil temperature gauge, electrical speedometer (electrical) gauge, tachometer (electrical) gauge, transmission oil temperature gauge, voltmeter gauge, harness, PDM distribution harness, hour meter, ammeter module, odometer programming air pressure sender, fuel level sender, other sender, transmission oil temperature sender, speedometer/tachometer dip switch (reprogrammable), tachometer/trip sender (electronically driven), diesel exhaust fluid sender (DEF), oil coolers, radiators, radiator mounting brackets, surge tank, surge tank mounting brackets, speedometer, speedometer/tachometer circuit, housing, electrical, speedometer (electrical) gauge, speedometer/tachometer dip switch (programming only), starter, cranking system: harness, PDM distribution harness, starter motor, relay/magnetic switch, starter motor solenoid, clutch switch, key/ignition switch, springs, springs/suspension: air bag assembly, rubber biscuit (shear or compression), center bolt, spring bracket assembly, shock absorber mounting bracket, control (air suspension only), rear suspension cross member, equalizer/rockers arm and bushing, spring leaf assembly, pins and bushing shackles, lift spring, axle stop, sway bar assembly, torque arm and bushing assembly, trailing arm and bushing assembly, walking beam and bushing assembly, shocks, shock absorber, mounting bracket, steering, pitman arm, steering gear bracket/mounting, steering column assembly and mounting, steering shaft coupling/u-joint, cylinder assembly and valves, power.

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*The information provided in this document is for general information only and is not offered as customer’s warranty. This coverage may be superseded without notification.*

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Effective: 10/17/2014
steering pump mounting gasket, steering gear assembly, drag link, pulley, pump assembly, reservoir assembly, pump seals, steering gear seals, control valve, telescoping steering wheel mechanism, tilt steering wheel mechanism, steering wheel, transmission (manufacturer's warranty applies), wheel end equipment, brake components, wheels, hubs, drums, rotors, wheel seals, bearings, slack adjusters, attaching hardware, backing plate/anchor/dust shield, brake chamber bracket, caliper chamber, chamber diaphragm, wheel brake actuating linkage/cam/camshaft, brake spider, brake shoe return spring (excludes wear), engine mounts (brackets), front mount/bolt, rear mount/bolt

Excludes: Allison transmissions are not covered under this warranty. For Allison transmission claims, please file direct with Allison.

TBB Chassis Paint (Type D)
Coverage includes: frame and cross members

TBB Engine (Accessory equip.)
Coverage includes: brackets and isolators

TBB Frame (Incl. Driver's Area & Misc. Sheet Metal)
Coverage includes: crossmembers, rear suspension, gussets, and huck-mounting bolts that attach gussets to crossmembers and gussets/crossmembers to frame rails (excludes any bolt-on item attached with either conventional or huck bolts), frame rails, frame side rail, reinforcements and gussets, frame rail liners, frame rail extension, s-rails, and any items factory welded to them

TBB Fuel Tank and Mounting
Coverage includes: fuel tanks, mounting bracket and bolts, crash guard, tank body

TBB Manufactured Components
Coverage includes: only TBB manufactured components

TBB Suspension Brackets
Coverage includes: suspension brackets

TBB Towing
Coverage includes: maximum payment as displayed, per occurrence, for towing for a defect in material and workmanship of a component that prevents the safe and lawful operation of the vehicle. Currency exchange rate does not apply. Maximum payment as displayed no matter the currency. Reimbursement max: $250 for units order prior to 01/01/2009 or $450 for units order on or after 01/01/2009.

If towing is associated with a DTNA warrantable failure, towing charges must be on the same claim. Reimbursement of .5 hour (SRT 939-6022A) to reinstall drivelines if tow company has removed, but not reinstated, the driveline and the vehicle has and is within the tow coverage.

TBB Front Axles
Coverage applies to non-Detroit Axles. Coverage includes: axle (front), non-driving front axle: steering arm, fitting (zerk), front axle, beam, king pin and bushings, steering knuckle, king pin seal

TBB Rear Axles
Coverage applies to non-Detroit Axles. Coverage includes: axle (rear), basic axle components: carrier, companion flange/yoke, carrier gasket, axle housing, axle carrier components: internal bearings, limited slip differential gears/bushings/cross, axle gear set: ring gear bolt, helical gears, planetary gears, ring and pinion gears, shafts and seals: helical drive gear shaft

Detroit Front Axles
All warranty inquiries and claims are filed directly to Detroit Axles. Please see www.ddcsm.com for specific coverage details.

Detroit Rear Axles
All warranty inquiries and claims are filed directly to Detroit Axles. Please see www.ddcsm.com for specific coverage details.

GHG14
DTNA warrants that its vehicles are (1) designed, built and equipped so as to conform, at the time of sale, with requirements of vehicle manufacturers whose vehicles are designed to meet applicable 2014 and later U.S. Environmental Protection Agency and National Highway Traffic and Safety Administration Standards greenhouse gas and fuel efficiency standards, and (2) free from defects in material and workmanship which cause the vehicle to fail to conform with the vehicle manufacturer's requirements for all vehicle emission control items listed below.

Per EPA regulations, A/C components for buses are not covered under GHG14 coverage.

Coverage name/description may vary depending on vehicle specifications; authorized dealers may check actual warranty online via OWL's Coverage Info/Check Coverage screen for coverage listed as "GHG14..."

GHG14 Tire (File Direct)
DTNA warrants that its vehicles are (1) designed, built and equipped with tires that conform, at the time of sale, with requirements of vehicle manufacturers whose vehicles are designed to meet applicable 2014 and later U.S. Environmental Protection Agency and National Highway Traffic and Safety Administration greenhouse gas and fuel efficiency standards, and (2) those tires are free from defects in material and workmanship which cause the vehicle to fail to conform with the vehicle manufacturer's requirements for a period of 2 years or 24,000 miles, whichever occurs first. Claims for failures under this coverage are filed directly to the tire manufacturer.

Coverage name/description may vary depending on vehicle specifications; authorized dealers may check actual warranty online via OWL's Coverage Info/Check Coverage screen for coverage listed as "GHG14 Tire (File Direct)."
Body Coverage Descriptions

**TBB A/C System (TBB Installed)**
Coverage includes: air conditioning: A/C electrical control panel, accumulator/dryer, air conditioner O-ring, compressor clutch, rotary compressor, condenser, fan condenser, air conditioning ducting, evaporator, A/C refrigerant piping, A/C condenser, motor, relay/magnetic switch, high side Shrader valve, low side Shrader valves, refrigerant pressure sensor, switch, high pressure switch, low pressure switch, inlet thermistor, outlet thermistor, orifice tube, expansion valve, water valve (internal to the dash mounted A/C-heat unit), blower wheel

**TBB Basic Body (Type D – EF/EFX)**
Coverage includes all factory-installed components of the body that are not excluded elsewhere in the warranty, or by special agreement or described as having a different time, or distance, or listed separately on each new vehicle warranty coverage chart.
Includes: air operated components, dash panels, dash plastic, dash switch plates, door controls, doors: air controls, electric controls, manual controls, hold back devices, emergency rear doors, emergency slide doors, entrance doors, lift-single/double doors, door handles, hinges, door locks, air pump, vandallocks, door locks, latches, electrical motors, motor/driver-air distribution actuator, motor/door-blend air actuator, resistor block, core (heater), air conditioner/heater/defroster ducting, defroster fan, harness, under bus to rear HVAC hose, HVAC control module, motor, mounting/housing (main case) relay/magnetic switch, switch (ether start), radiator fan/shutter override switch, blower wheels, floor covering, step head, floor plywood, plywood fastening, window frame (excludes glass), windows, push out window, stationary windows, split sash window, split sash storm window, heater cores, cable control, heater core, hose covers/trim, defroster duct, driver's heater, defroster fan, mid-track heater, heater motor, rear heater, stepwell heater, lights, back-up light, clearance light, directional light, directional side light, dome light, headlamps, license plate light, marker light, stop/tail light, stop light, strobe light, warning light, (excludes all bulbs and fusing lenses), cow/mount mirror, cross view mirror, rear mount mirror, rear view mirror, heated mirror, inside rear view mirror, seals (windows & doors), seats, anchors, barriers, driver's seat, flip seat, passenger seat/frame (soft goods), lifts & panels, modesty panels, ceiling assist rail, shields, stanchions, wheel chair tie downs, wheel chair lift units, switches, master solenoid disconnect, electrical panel, flashers, fuse panel, harness (wires, connectors, and terminals), body options (exterior/interior), harness, dash harness, flasher to cow harness, front cap harness, front end harness, left hand body harness, LH switch panel harness, overhead switch panel harness, power distribution (on flasher plate) harness, rear cap harness, RH switch panel harness, right hand body harness, horns, light monitors, strobe power packs, visors, safety equipment: backing alarms, child check mate, destination signs, sun visors, wig-wag, vandallock system, warning devices, clasher modules, child reminder system, driver alert sign, stop arms, walk gates, back up alarms, windshield wipers, drive motor, washer, washer bottle, wiper controls, wiring, wiring harness, wiring harness brackets, cables, connectors, a/c system (TBB installed), a/c electrical control panel, accumulator/dryer, air conditioner O-ring, compressor clutch, rotary compressor, condenser, fan condenser, air conditioning ducting, evaporator, A/C fitting/piping, A/C hose, motor, relay/magnetic switch, high side Shrader valve, low side Shrader valves, refrigerant pressure sensor, switch, high pressure switch, low pressure switch, inlet thermistor, outlet thermistor, orifice tube, expansion valve, water valve (internal to the dash mounted A/C-heat unit), blower wheel, radios, radio-entertainment (only applicable if factory installed), harness, radio-basic assembly, speaker, fiberglass components

**TBB Manufactured Components**
Coverage includes: compartments, battery compartment, designation sign compartment, electrical access compartment, luggage compartment, tool compartment, bumper system, bracket or mounting, bumper, bumper fascia, bumper frame, body-inside, metal bulkheads, grab rails, luggage rack assembly, luggage rack pads, luggage rack mounting, metal interior trim

**TBB Miscellaneous (Accessories, Components, Etc.)**
Coverage includes: roof insulation, side wall insulation, bulkhead, rafter cavity, plastic trim, storm sash

**TBB Paint**
Coverage includes: all components painted by TBB. Coverage excludes: fading
- For vehicle orders received prior to 06/06/2014: Paint adhesion is pro-rated – Years 1 & 2: 100%; Year 3: 50%; Years 4 & 5: 30%
- For vehicle orders received on or after 08/06/2014: Paint adhesion is 5 years/unlimited

**TBB Passenger Doors**
Coverage includes: door shells and hinges

**TBB Seat & Barrier Frames**
Coverage includes: passenger seat frames and barrier frames

**TBB Seats, Barriers, Stanchions**
Coverage includes: barrier foam, barrier upholstery (including sewing, stapling, etc.) armrest, seat foam/springs, seat upholstery (sewing, stapling, etc.), moms seat, flip mech., plywood, seat track (includes related hardware)
- For vehicle orders received prior to 06/06/2014: Coverage applies to TBB manufactured seats
- For vehicle orders received on or after 08/06/2014: Coverage applies to vendor manufactured seats installed at factory at time of bus manufacture by TBB
TBB Storm Glass and Windows

Coverage includes: all storm windows and frames
Excludes: glass breakage

TBB Structure and Sheet Metal

Coverage includes: belt line angle, door header, exterior sheet metal, trim, left and right exterior side sheets, fenderette (steel), floor sheets, floor panels, front assembly sheet metal, headlining, inside side lining, interior sheet metal trim, main body door post and capping, outriggers, pilaster, rafter, rafter reinforcement, rear assembly sheet metal, roof rails, roof sheets and hoods, rub rails, seatrail, floor rail, entrances stepwell, under floor angle, channel, cross tube, vestibule floor, front and rear wheel house, window header, structural adhesives, sheet metal protection, rust perforation
Excludes: fiberglass components

TBB Towing

Coverage includes: maximum payment as displayed, per occurrence, for towing for a defect in material and workmanship of a component that prevents the safe and lawful operation of the vehicle. Currency exchange rate does not apply. Maximum payment as displayed no matter the currency. Reimbursement max: $250 for units order prior to 01/01/2009 or $450 for units order on or after 01/01/2009.

If towing is associated with a DTNA warranatable failure, towing charges must be on the same claim. Reimbursement of .5 hour (SRT 939-6020A) to reinstall drivelines if tow company has removed, but not reinstalled, the driveline and the vehicle has and is within the tow coverage.
SCHOOL BUS/SHUTTLE BUS APPLICATIONS

SELECT STANDARD FEATURES
When your job involves transporting people, you need to have absolute confidence that your vehicle will provide comfortable and reliable transportation. Chevrolet Express and GMC Savana Cutaways are ideal for school and shuttle bus applications.

FUEL/ENGINE OPTIONS
- New 4.3L V6 and proven 6.0L Vortec® V8 gasoline engines
- Single 220-amp alternator
- Isolated 2nd battery with rundown protection

AVAILABLE FEATURES
- GVWR® up to 14,200 lbs
- Brake warning indicator
- Dual-note horn
- Stop/tturn LED signal circuits
- HVAC system auxiliary rear heat provisions
- Driver-only high-back bucket seating arrangement (ZX1) or temporary driver-only upfitter option seating (ZPI)
- Daytime running lamps
- Driver information center
- Tilt wheel, cruise control
- Heavy-duty locking rear differential
- Inside rearview manual day/night mirror or inside rearview mirror with rear vision camera display
- Standard StabiliTrak® on 10,000 GVWR® chassis

MODEL AVAILABILITY AND SPECIFICATIONS

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<tr>
<th>Powertrain/Mechanical</th>
<th>3500 - G33503</th>
<th>3500 - G33803</th>
<th>4500 - G33803</th>
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<td>Frame, yield strength (psi)</td>
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<td>GVWR® options (lb)</td>
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<td>Max Payload® (lb)</td>
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<td>Ground clearance front/rear (in.)</td>
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<td>76/70</td>
<td>76/70</td>
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</table>

NEW FEATURES FOR 2018 CUTAWAY VANS
- Rear-up camera standard on all models (rear 10,000 lbs GVW®)
- Electronic Stability Control (StabiliTrak®) added to all DRW Cutaways
- 6.0L hardtied engine for alternative fuel applications
- Mini B/E C for upfitters
- Rear view camera on rear bumper
- Rear view camera on rear bumper
- Rear view camera on rear bumper
- Rear view camera on rear bumper
- Rear view camera on rear bumper

FLEET SOLUTIONS
- Fleet Management:
  - Upfitter-ready®
  - Body-on-frame architecture

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