



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header @ 4

List View

General Information | [Contact](#) | [Default Values](#) | [Discount](#) | [Document Information](#) | [Clarification Request](#)

Procurement Folder: 1137853

Procurement Type: Central Master Agreement

Vendor ID: VS0000004719

Legal Name: Rohrer Enterprises Inc

Alias/DBA:

Total Bid: \$0.00

Response Date: 01/12/2023

Response Time: 12:42

Responded By User ID: TClawson

First Name: Teresa

Last Name: Clawson

Email: tclawson@rohrerbus.com

Phone: 800-735-3900

SO Doc Code: CRFQ

SO Dept: 0810

SO Doc ID: DMT2300000009

Published Date: 12/16/22

Close Date: 1/12/23

Close Time: 13:30

Status: Closed

Solicitation Description: 176" - 190" Wheelbase Cutaway Vehicle

Total of Header Attachments: 4

Total of All Attachments: 4



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Solicitation Response

Proc Folder: 1137853
Solicitation Description: 176" - 190" Wheelbase Cutaway Vehicle
Proc Type: Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2023-01-12 13:30	SR 0810 ESR01122300000003114	1

VENDOR
VS0000004719
Rohrer Enterprises Inc

Solicitation Number: CRFQ 0810 DMT2300000009
Total Bid: 0
Response Date: 2023-01-12
Response Time: 12:42:53
Comments:

FOR INFORMATION CONTACT THE BUYER
David H Pauline
304-558-0067
david.h.pauline@wv.gov

Vendor		
Signature X	FEIN#	DATE

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	173" - 190" WB Cutaway Vehicles	0.00000	EA	4651150.000000	0.00

Comm Code	Manufacturer	Specification	Model #
25101502			

Commodity Line Comments: Thank you for the opportunity to respond to this Bid.
 If you have any questions, please call David Clawson at 540-729-3751
 Please note: Delivery days listed above are after receipt of order, assuming Ford continues to regularly produce the E450 Chassis.
 David Clawson
 Senior VP Sales
 Rohrer Bus Sales, Inc.

Extended Description:
 To establish an open ended contract for 176" - 190" WB Cutaway Vehicles to provide specialized transportation services in an urban and suburban-rural environment including hilly terrain and a severe operating climate suited to stop-start duty cycles.



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote

Proc Folder: 1137853

Doc Description: 176" - 190" Wheelbase Cutaway Vehicle

Reason for Modification:

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2022-12-08	2022-12-29 13:30	CRFQ 0810 DMT2300000009	1

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code: VS0000004719

Vendor Name : Rohrer Enterprises, Inc. DBA Rohrer Bus Sales

Address : 1515 State Road PO Box 100

Street :

City : Duncannon

State : PA

Country : USA

Zip : 21701

Principal Contact : David M Clawson

Vendor Contact Phone: 800-735-3900/540-729-3751 Extension:

FOR INFORMATION CONTACT THE BUYER

David H Pauline
304-558-0067
david.h.pauline@wv.gov

Vendor
Signature X

FEIN# 23-2059976

DATE 1/12/23

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

The State of West Virginia Purchasing Division, is soliciting bids for the WV Public Transit Authority, to establish an open ended contract for 176" - 190" Wheelbase Cutaway vehicles to provide specialized transportation services in an urban and suburban-rural environment including hilly terrain and a severe operating climate suited to stop-start duty cycles., per the attached documentation.

INVOICE TO

PUBLIC TRANSIT DIVISION
OF
BLDG 5 RM 663

1900 KANAWHA BLVD E
CHARLESTON
US

WV

SHIP TO

PUBLIC TRANSIT DIVISION
OF
KANAWHA VALLEY
REGIONAL
TRANSPORTATION
AUTHORITY
1550 FOURTH AVE
CHARLESTON
US

WV

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	173" - 190" WB Cutaway Vehicles	0.00000	EA		

Comm Code**Manufacturer****Specification****Model #**

25101502

Extended Description:

To establish an open ended contract for 176" - 190" WB Cutaway Vehicles to provide specialized transportation services in an urban and suburban-rural environment including hilly terrain and a severe operating climate suited to stop-start duty cycles.

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Vendor Technical Questions Due 11:00 am est.	2022-12-15

	Document Phase	Document Description	Page 3
DMT2300000009	Draft	176" - 190" Wheelbase Cutaway Vehicle	

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

REQUEST FOR QUOTATION – CRFQ DMT23*09
176" – 190" Wheelbase Cutaway Vehicle

BID FORM #1

REQUIRED BID FORM TO BE SUBMITTED WITH BID

Location(s) of the Technical Service Representative(s) and parts distribution center(s) closest or in the State of West Virginia.

Location(s) of the technical service representative(s).

Name: Ryan Renninger

Address: 1515 State Road PO Box 100

Duncannon, PA 17020

Telephone: 800-735-3900

Name: David M Clawson

Address: 2075 B West Main Street

Waynesboro, VA 22980

Telephone: 540-729-3751

Location(s) of parts distribution center(s).

Name: Rohrer Bus Sales

Address: 1515 State Road PO Box 100

Duncannon, PA 17020

Telephone: 800-735-3900

Name: N/A

Address:

Telephone:

REQUEST FOR QUOTATION – CRFQ DMT23*09
176" – 190" Wheelbase Cutaway Vehicle

BID FORM #2

**CERTIFICATION FOR AIR & WATER POLLUTION
REQUIRED BID FOR TO BE SUBMITTED WITH BID**

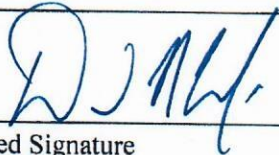
The Vendor certifies that the vehicles proposed:

ARE X in compliance with the regulations in 40 CFR Part 85, 40 CFR Part 86,
40 CFR Part 600, Clean Water Act and the air/water pollution criteria established by the
Environmental Protection Agency of the United States Government.

ARE NOT _____ in compliance with the regulations in 40 CFR Part 85, 40 CFR Part 86,
40 CFR Part 600, Clean Water Act and the air/water pollution criteria established by the
Environmental Protection Agency of the United States Government.

1/12/23

Date


Authorized Signature

Senior Vice President Sales

Title

Rohrer Enterprises, Inc. DBA Rohrer Bus Sales
Company Name

REQUEST FOR QUOTATION – CRFQ DMT23*09
176" – 190" Wheelbase Cutaway Vehicle

BID FORM #3

**DISADVANTAGED BUSINESS ENTERPRISE
VENDORS/ MANUFACTURERS CERTIFICATION**

REQUIRED BID FOR TO BE SUBMITTED WITH BID

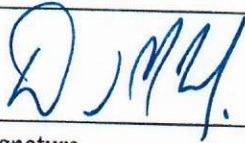
(Check appropriate statement)

_____ The Vendor, if a transit vehicle manufacturer, hereby certifies that it has complied with the requirements of 49 CFR Section 26.49 by submitting an annual DBE goal to the Federal Transit Administration (FTA). The goal has either been approved or not disapproved by FTA.

☒ The Vendor, if a non-manufacturing supplier, hereby certifies that the manufacturer of the transit vehicle to be supplied has complied with the above-referenced requirement of 49 CFR Section 26.49.

1/12/23

Date



Authorized Signature

Senior Vice President Sales

Title

Rohrer Enterprises, Inc. DBA Rohrer Bus Sales
Company Name

REQUEST FOR QUOTATION – CRFQ DMT23*09
176" – 190" Wheelbase Cutaway Vehicle

BID FORM #4


**BUY AMERICA CERTIFICATION
ROLLING STOCK
REQUIRED BID FOR TO BE SUBMITTED WITH BID**

Certificate of Compliance

The bidder or offeror hereby certifies that it will comply with the requirements of section 165(b) (3), of the Surface Transportation Assistance Act of 1982, as amended, and the applicable regulations of 49 CFR 661.11:

1/12/23

Date


Authorized Signature

Rohrer Enterprises, Inc. DBA Rohrer Bus Sales
Company Name

David M Clawson
Name

Senior Vice President Sales
Title

Certificate for Non-Compliance

The bidder or offeror hereby certifies that it cannot comply with the requirements of section 165(b) (3) of the Surface Transportation Assistance Act of 1982, as amended, but may qualify for an exception to the requirement consistent with section 165(b) (2) or (b) (4) of the Surface Transportation Assistance Act, as amended, and the applicable regulations in 49 CFR 661.7.

Date

Authorized Signature

Company Name

Name

Title

REQUEST FOR QUOTATION – CRFQ DMT23*09
176" – 190" Wheelbase Cutaway Vehicle

BID FORM #5

**FEDERAL MOTOR VEHICLE
SAFETY STANDARDS CERTIFICATION**

REQUIRED BID FORM TO BE SUBMITTED WITH BID

The vendor hereby certifies that it shall submit, as required by Title 49 of the CFR, Part 663 - Subpart D, its self-certification information stating that the vehicle(s) will comply with the relevant Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 of the Code of Federal Regulations, Part 571.

1/12/23

Date


Authorized Signature

Senior Vice President Sales

Title

Rohrer Enterprises, Inc. DBA Rohrer Bus Sales
Company Name

REQUEST FOR QUOTATION – CRFQ DMT23*09
176" – 190" Wheelbase Cutaway Vehicle

BID FORM #6
U.S. Comptroller's Debarment List Certification
REQUIRED BID FOR TO BE SUBMITTED WITH BID

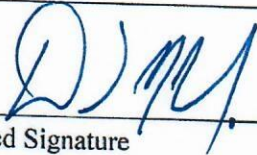
_____ hereby certifies that it

_____ IS or

☒ IS NOT (specify one) included on the U.S. GSA's debarment and suspension
information available at <https://www.sam.gov>.

1/12/23

Date



Authorized Signature

Senior Vice President Sales
Title

Rohrer Enterprises, Inc. DBA Rohrer Bus Sales
Company Name

REQUEST FOR QUOTATION – CRFQ DMT23*09
176" – 190" Wheelbase Cutaway Vehicle

BID FORM #7

REQUIRED BID FOR TO BE SUBMITTED WITH BID

**CERTIFICATION OF PRIMARY PARTICIPANT REGARDING
DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS**

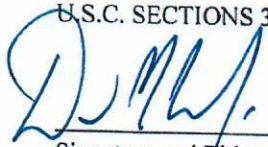
The Primary Participant (applicant for an FTA grant or cooperative agreement, or potential contractor for a major third-party contract),

Rohrer Enterprises, Inc. DBA Rohrer Bus Sales (COMPANY NAME) certifies to the best of its knowledge and belief, that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

If the primary participant (applicant for an FTA grant, or cooperative agreement, or potential third-party contractor) is unable to certify to any of the statements in this certification, the participant shall attach an explanation to this certification.)

THE PRIMARY PARTICIPANT (APPLICANT FOR AN FTA GRANT OR COOPERATIVE AGREEMENT, OR POTENTIAL CONTRACTOR FOR A MAJOR THIRD-PARTY CONTRACT),
Rohrer Enterprises, Inc. DBA Rohrer Bus Sales, CERTIFIES OR AFFIRMS THE TRUTHFULNESS AND ACCURACY OF THE CONTENTS OF THE STATEMENTS SUBMITTED ON OR WITH THIS CERTIFICATION AND UNDERSTANDS THAT THE PROVISIONS OF 31 U.S.C. SECTIONS 3801 ET SEQ. ARE APPLICABLE THERETO.

 , Senior Vice President Sales
Signature and Title of Authorized Official

REQUEST FOR QUOTATION
176" – 190" Wheelbase Cutaway Vehicle

BID FORM #8
REQUIRED BID FOR TO BE SUBMITTED WITH BID

***VENDOR'S CERTIFICATION OF
UNDERSTANDING AND ACCEPTANCE***

The Vendor hereby certifies that all Technical Specifications and Contract Terms and Conditions have been carefully reviewed, are fully understood and shall be adhered to in performance and completion of any contract resulting from this bid.

1/12/23

Date



Authorized Signature

Senior Vice President Sales

Title

Rohrer Enterprises, Inc. DBA Rohrer Bus Sales
Company Name

SPECIFICATION COMPLIANCE

NOTE: Please check if what is offered is in exact compliance with specifications. **Any discrepancies must be listed as an attachment to the bid proposal. Exact dimensions and/or descriptions must be provided as a part of the Vendor's bid proposal when submitted.**

X Bid proposal submitted meets and/or exceeds all specification requirements.

 Bid proposal submitted contains deviations from specification requirements. Detailed descriptions of these deviations have been provided with this bid proposal.

REQUEST FOR QUOTATION
176" - 190" Wheelbase Cutaway Vehicle

BID FORM #9
REQUIRED BID FOR TO BE SUBMITTED WITH BID

CERTIFICATION OF RESTRICTIONS ON LOBBYING

The undersigned (Vendor, Contractor) certifies, to the best of his or her knowledge and belief, that:

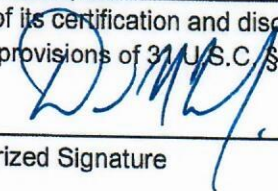
1. No Federal appropriated funds have been paid or will be paid by or on behalf of the undersigned, to any person for influence or attempt to influence an officer or employee of any Federal agency, a member of Congress, an officer or employee of Congress, or an employee of a Member of Congress regarding the award of a federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance, or the extension, continuation, renewal, amendment, or modification of any Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance.
2. If any funds other than Federal appropriated funds have been or will be paid to any person to influence or attempt to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or any employee of a Member of Congress in connection with any application for a federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance, the undersigned assures that it will complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," Rev. 7-97; and
3. The undersigned understands that the language of this certification shall be included in the award documents for all sub awards at all tiers (including subcontracts, sub grants, sub agreements, and contracts under grants, loans (including a line of credit), cooperative agreements, loan guarantees, and loan insurance.

Undersigned understands that this certification is a material representation of fact upon which reliance is placed by the Federal government and that submission of this certification is a prerequisite for providing a Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance for a transaction covered by 31 U.S.C. 1352. The undersigned also understands that any person who fails to file a required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The (Vendor, Contractor) Rohrer Enterprises, Inc. DBA Rohrer Bus Sales, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the (Vendor, Contractor) understands and agrees that the provisions of 31 U.S.C. §§ 3801, et seq., apply to this certification and disclosure.

1/12/23

Date


Authorized Signature

Senior Vice President Sales

Title

REQUEST FOR QUOTATION
176" – 190" Wheelbase Cutaway Vehicle

BID FORM #10

REQUIRED BID DOCUMENTATION CHECKLIST

Model Year: 2024 Model: FORD E450 ELDORADO/ ADVANTAGE

Mandatory Bid Forms – must be submitted with bid:

- ☒ Bid Form #1: Locations of Technical Service Representatives and Parts Distribution Centers
- ☒ Bid Form #2: Certification for Air & Water Pollution
- ☒ Bid Form #3: Disadvantaged Business Enterprise Vendors/Manufacturers Certification
- ☒ Bid Form #4: Buy America Certification Rolling Stock
- ☒ Bid Form #5: Federal Motor Vehicle Safety Standards Certification
- ☒ Bid Form #6: U.S. Comptroller's Debarment List Certification
- ☒ Bid Form #7: Certification of Primary Participant Regarding Debarment, Suspension, and Other Responsibility Matters
- ☒ Bid Form #8: Vendor's Certification of Understanding and Acceptance
- ☒ Bid Form #9: Certification of Restrictions on Lobbying
- ☒ Exhibit A Pricing Page

REQUEST FOR QUOTATION
176" – 190" Wheelbase Cutaway Vehicle

DOCUMENTATION TO BE SUBMITTED WITH BID:

**Section
Referenced**

- X 3.1.11 Provide details of water testing procedures.
- X 3.2 Chassis: provide product description, warranty information and product literature.
- X 3.2 Wheelbase: provide length of proposed wheelbase.
- X 3.3 Engine: gasoline: provide product description, warranty information and product literature.
- X 3.5 Radiator and Cooling System: provide product description, warranty information and product literature.
- X 3.6 High Idle System, provide product description, warranty information and product literature.
- X 3.8 Transmission: provide product description, warranty information and product literature.
- X 3.10.4 Rear View Back-Up Camera: provide product description, warranty information and literature.
- X 3.11.4 Tilt Wheel, Cruise Control and Power Steering: provide product description.
- X 3.13 Brakes: provide product description, warranty information and product literature.
- X 3.14 Wheels: provide product description, warranty information and product literature.
- X 3.15 Tires: provide product description, warranty information and product literature.
- X 3.16.5 Alternator: provide product description, warranty information and product literature.
- X 3.16.6 Battery: provide product description, warranty information and product literature.
- X 3.17.1 Radio/AM/FM/USB/MP3: provide product description, warranty information and product literature.
- X 3.19 Body Structure/Roof Specifications: provide a description of how construction/ conversion will take place and meet the specification requirements. Provide actual interior height and body length of proposed vehicle.
- X 3.19.15 Stepwell: provide a description of construction.
- X 3.22 Entrance, Exit, Lift and Emergency Exit Doors: Provide product description, dimensions, description of connection with interlock system, and locks to be provided.

REQUEST FOR QUOTATION
176" – 190" Wheelbase Cutaway Vehicle

- X 3.23 Rear Bumper: provide product description, warranty information and product literature.
- X 3.24 Wheelchair Lift: provide product description, warranty information and product literature.
- X 3.24.9 Interlock System: provide product description, warranty information and product literature.
- X 3.26 Front and Rear Heating and Air Conditioning: provide product description, warranty information, product literature.
- X 3.29 Flooring: provide a description of product to be used, samples of floor covering, colors to be used and assembly process.
- X 3.30.1 Passenger Seats and Restraints: provide product description, warranty information and product literature.
- X 3.30.2 Padded Grab Handle: provide product description.
- X 3.30.11 Driver's Seat: provide product description, warranty information and product literature.
- X 3.31 Wheelchair Securement System: provide product description, warranty information and product literature.
- X 3.32 Mobility Aid/ Occupant Restraint Systems: provide product description, warranty information and product literature.
- X 3.33.1 Exterior Mirrors: provide product description, warranty information and product literature.
- X 3.37 Digital Destination Signs: provide product description, warranty information and product literature.
- X 3.38 Passenger Signaling System: provide product description, warranty information and product literature.
- X 3.39 Mobile PA System: provide product description, warranty information and product literature.
- X 3.40 Fare Box Provision: provide description of provision.
- X 3.41 Strobe Light: provide product description, warranty information and product literature.
- X 3.42 Radio Install Prep: provide description of process.
- X 3.44 Security Camera System Including Playback: provide product description, warranty information and product literature.

REQUEST FOR QUOTATION
176" – 190" Wheelbase Cutaway Vehicle

- ☒ 3.45 Dual Purpose Safety Vent: provide product description, warranty information and product literature.
- ☒ 3.46 Storage Compartment: provide information on proposed location.
- ☒ 3.51 Training: submit letter of understanding to the terms in this Section.
- ☒ 4.0.5 Overhead Luggage Rack: provide product description and product literature.
4.0.6 Classes E & F
- ☒ 4.0.5 High Back Passenger Seating: provide product description, warranty information and
4.0.6 product literature. Classes E & F
- ☒ 6.1.7.4 Warranty Provider Locations: provide names of providers in WV.
- ☒ 6.1.7.5 Warranties: provide information on warranties to be provided.
- ☒ 9.3 Complete two (2) bids in binder form –one (1) marked for DPT.
- ☒ 11.1.1 Complete mechanical description of vehicle, its construction and equipment including manufacturer's model name and/or number.
- ☒ 11.1.2 Proposed interior floor plans, showing detailed dimensions including the location of the wheelchair securement system.
- ☒ 11.1.3 Curb weight (empty weight) and gross vehicle weight rating (GVWR) of vehicle.
- ☒ 11.1.6 Rustproofing and Undercoating: provide product description, warranty information and product literature.
- ☒ 11.1.8 A list of five (5) users names, addresses, emails and telephone numbers who have been provided similar equipment.

- ☒ No Debt Affidavit
- ☒ Addendum Acknowledgement

ELDORADO

A DIVISION OF FOREST RIVER, INC.

FACILITY

- Water test bay: 20' wide x 56' long x 18' high with attached pump room measuring 15' wide x 20' long x 9' high.
- Water jets:
- 5 Lengths of 1½" schedule 80 pipe at 45' long running lengthwise inside the building.
 - 15 Active nozzles per pipe length for a total of 75 nozzles (Model 24 WSQ Nozzles with 110° spray pattern).
 - Water supplied by 3" schedule 80 pipe with 3" schedule 80 pipe headers on each end of system.
 - System supply pump rated at 300 gpm
- Water Pressure:
- System water pressure adjustable up to 45 psi
Example: - 20 psi = 3.3 gpm/nozzle
 - 40 psi = 4.4 gpm/nozzle
 - System recovery pump rated at 300 gpm

PROCEDURE

1. DRIVE VEHICLE INTO BAY.
2. ACTIVATE WATER SPRAY. (SYSTEM GOES ON, AUTOMATICALLY)
- *3. LET VEHICLE SET FOR A MINIMUM OF 15 MINUTES PER UNIT. (MORE TIME MAY BE NECESSARY, IF VEHICLE IS SLATED FOR HARSH ENVIRONMENTS. ENGINEERING SHOULD REVIEW AND APPROVE ALL REQUESTS FOR CHANGES TO THIS SYSTEM AND PROCEDURE. USE THE "ECR" SYSTEM FOR REQUESTED CHANGES.)

*NOTE: Currently, our system pressure, at the main pump is set at 10 psi. this is approximately equivalent to a rainfall of 18" per a 1 hour period.

4. EXAMINE ALL WINDOWS, DOORS, WHEELWELLS, ESCAPE HATCHES, VENTS, WALLS, CEILING, FLOOR, AND ANY OTHER JOINT FOR WATER LEAKS.
5. RECORD RESULTS ON "WATER TEST LOG".
6. TURN OFF WATER SPRAY. (SYSTEM SHUTS OFF AUTOMATICALLY.)
7. EXIT BOOTH AND RETURN VEHICLE TO REPAIR BAY AND REPAIR ALL LEAKS.
8. IF ANY LEAKS WERE FOUND, RETEST VEHICLE (STEPS 1-5).
9. PROVIDE COMPLETED "WATER TEST LOG" TO QA PERSON, GROUP 50 (NORTH BLDG) OR GROUP 70 (SOUTH BLDG.) FOR REVIEW AND FILING WITH VEHICLE'S MASTER FILE.
10. QA PRODUCTION PERSONNEL SHOULD ALERT ALL GROUPS, OF CONSISTENTLY FOUND, NON-CONFORMING ASSEMBLY CONCERNS.

E-SERIES CUTAWAY E-450 DRW

[View Local Inventory](#)



Key Features



7.3L V8 Premium-Rated Engine

This proven engine, available with a premium or economy rating, features single overhead-cam design and dual-equal variable-cam timing that helps optimize power across the entire power band. The standard 7.3L V8 Premium-rated engine with TorqShift® six-speed automatic



Ford TorqShift® Automatic Transmission

The Ford TorqShift® six-speed automatic transmission is designed and built by Ford to handle the high-performance demands of the standard, Premium-rated 7.3L V8 (325 horsepower and 450 lb.ft. of torque at 3,750 rpm)* and the available 7.3L V8 Economy-rated



16-inch x 6-inch White-Painted Steel Wheels

These white-painted steel wheels are standard on dual-rear-wheel models.

See attached sheet for 2023 Specifications. Per Ford we are to use these specs and an estimated price increase for 2024

10FZ

CNGP530

VEHICLE ORDER CONFIRMATION

04/25/22 09:48:41

Dealer: F53111

Page: 1 of 1

Order No: 0009 Priority: H1 Ord FIN: LC123 Order Type: 4B Price Level: 32!
 Ord PEP: 782A Cust/Flt Name: STARCRAFT PO Number:

	RETAIL	DLR INV		RETAIL	DLR INV
E4F COM CUTAWAY VAN	\$37835	\$35944.00			
158" WHEELBASE			.FRT LICENSE BKT		
YZ OXFORD WHITE			.ENG BLK HEATER		
X NO TRIM	NC	NC	.FRAME PUCKS		
E MEDIUM FLINT			18A EXT UPGRADE PKG	NC	NC
782A PREF EQUIP PKG			L23 SURCHARGE	NC	225.00
.STANDARD TRIM			FLEET SPCL ADJ	NC	(365.00)
572 .A/C FRONT ONLY			SHUTTLE BUS DIS	(460)	(418.00)
646 .16" WHITE WHLS			162 FLR VINYL, FRT		
99N 7.3L PRE ENGINE	NC	NC			
44P ELEC 6-SPD AUTO			TOTAL BASE AND OPTIONS	39445	35608.02
T68 .LT225/75R16E			TOTAL	39445	35608.02
X83 4.56 REG X83	NC	NC	*THIS IS NOT AN INVOICE*		
516 SP TIRE NOT INC			* MORE ORDER INFO NEXT PAGE *		
47B SHUTTLE BUS PKG	460	418.00	F8=Next		

F2=Return to Order

F8=Next

F3/F12=Veh Ord Menu

F1=Help
 F4=Submit F5=Add to Library
 006 - MORE DATA IS AVAILABLE.

QE05238

CNGP530

VEHICLE ORDER CONFIRMATION

04/25/22 09:50:11

Dealer: F53111

Page: 2 of 1

Order No: 0009 Priority: H1 Ord FIN: LC123 Order Type: 4B Price Level: 32!
 Ord PEP: 782A Cust/Flt Name: STARCRAFT PO Number:

	RETAIL	DLR INV		RETAIL	DLR INV
20F 14500# GVWR	NC	NC	874 4 SPEAKERS	NC	NC
21D DR MANUAL PED	(135)	(123.00)	942 DAYTIME LIGHTS	25	23.00
425 50 STATE EMISS	NC	NC	SP DLR ACCT ADJ		(764.00)
47Z AMB PKG NOT REQ			SP FLT ACCT CR		(1049.00)
525 CRUISE CONTROL	240	219.00	FUEL CHARGE		28.02
54F MIRROR, DELETE			B4A NET INV FLT OPT	NC	7.00
57J AUX HTR CONNECT	25	23.00	PRICED DORA	NC	NC
58W RADIO PREP 4 SP	(45)	(41.00)	DEST AND DELIV	1295	1295.00
60X RT DOOR NOT INC	(200)	(182.00)			
.PASS AIRBAG DEL			TOTAL BASE AND OPTIONS	39445	35608.02
625 RRVIEW MIRROR	NC	NC	TOTAL	39445	35608.02
630 ALTERNATOR	160	145.00	*THIS IS NOT AN INVOICE*		
634 DUAL BATTERIES	245	223.00	F7=Prev		
656 FUEL TANK 55 GL					
672 FRT MAX GAWR	NC	NC			

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New Vehicle Limited Warranty

3 years/36,000 miles (whichever comes first)

You will not be charged for repairs covered by any applicable warranty during the stated coverage period, unless specifically stated elsewhere in the Warranty Guide. The part will be repaired or replaced without charge by any authorized Dealer, regardless of any change of vehicle ownership during the warranty period.

The New Vehicle Limited Warranty doesn't cover:

1. Parts and labor needed to maintain the vehicle.
2. The replacement of parts due to normal wear and tear. You as the owner are responsible for those items.

Some examples of maintenance and normal wear are:

- oil changes
- oils
- lubricants, other fluids
- oil/air filters
- tire rotation/inflation
- cleaning/polishing
- clutch linings
- wiper blades¹
- wheel alignments and tire balancing¹
- brake pad/lining¹

¹Ford will replace or adjust certain maintenance items when necessary, free of charge during a limited period:

- Wiper blade replacements will be provided during the first six months in service, regardless of miles driven.
- Wheel alignments and tire balancing will be provided during the first 12 months or 12,000 miles in service, whichever occurs first.
- Brake pad/lining replacements will be provided during the first 12 months or 18,000 miles in service, whichever occurs first.

For important warranty details and exclusions, [contact your dealer](#) or see your [Warranty Guide](#).

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Corrosion Warranty

5 years (regardless of mileage)

Your vehicle's body sheet metal panels or aluminum body panels are covered for an extended Corrosion Coverage Period. Coverage only applies if a body sheet metal panel becomes perforated due to corrosion during normal use due to a manufacturing defect in factory-supplied materials or factory workmanship. If aluminum body panels have corrosion or rust damage and the damage is not the result of abnormal usage, vehicle accident, customer actions or extreme environmental conditions, the corrosion or rust damage is covered for 5 years, unlimited miles.

For damage caused by airborne material (environmental fallout) where there is no factory-related defect involved and therefore no warranty – our policy is to provide free repair of paint damage due to the airborne material for 12 months or 12,000 miles, whichever occurs first.

For important warranty details and exclusions, [contact your dealer](#) or see your [Warranty Guide](#).

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E-SERIES CUTAWAY E-450 DRW

[View Local Inventory](#)



Wheel bases used for this bid include both 158" and 176" depending on floorplan

Engine 7.3L gas premium engine is utilized. Warranty documentation included in Ford overview

Radiator and cooling system components follows. No literature available



Ford E450 Super Duty Radiator



Ford E450 Super Duty Belt



Ford E450 Super Duty Water Pump



Ford E450 Super Duty Hose (Upper)



Ford E450 Super Duty Coolant
Overflow Tank



Ford E450 Super Duty Fan Clutch

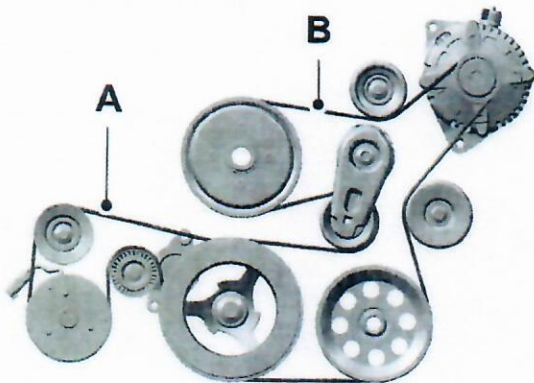
Capacities and Specifications

ENGINE SPECIFICATIONS

Engine	7.3L V8 Engine
Displacement.	445 in ³ (7,293 cm ³)
Required fuel.	Minimum 87 octane
Firing order.	1-5-4-8-6-3-7-2
Ignition system.	Coil near spark plug with spark plug wire
Spark plug gap.	0.049 in (1.25 mm) - 0.053 in (1.35 mm)
Compression ratio.	10.5:1

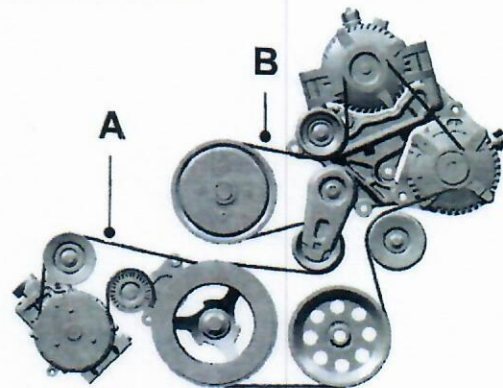
Drivebelt Routing

Single Alternator



- A Drivebelt closest to the engine.
- B Drivebelt furthest from the engine.

Dual Alternator



- A Drivebelt closest to the engine.
- B Drivebelt furthest from the engine.

MOTORCRAFT PARTS

Component	Motorcraft Part number
Air filter element.	FA-2042
One battery.	BXT-65-750
Two batteries (optional).	BXT-65-750

Capacities and Specifications

Component	Motorcraft Part number
Engine oil filter. ¹	FL-820-S
Spark plug.	SP-589
Transmission fluid filter.	FT-187
Windshield wiper blade.	WW-2005

¹ If a Motorcraft oil filter is not available, use an oil filter that meets industry performance specification SAE/USCAR-36.

We recommend Motorcraft parts that are available at your authorized dealer or at www.fordparts.com. These parts are engineered for your vehicle, and meet or exceed our specifications. Use of other parts could impact vehicle performance, emissions and durability. Your warranty could be void for any damage related to use of other parts.

Cooling system components con't



Ford E450 Super Duty Thermostat



Ford E450 Super Duty Radiator Fan Assembly



Ford E450 Super Duty Water Outlet



Ford E450 Super Duty Hose (Lower)



Ford E450 Super Duty Thermostat Gasket



Ford E450 Super Duty Water Pump Gasket

High Idle by Intermotive Gateway 508-Ford E Fast idle with interlock
See attached literature on next page

Gateway

INTERMOTIVE
VEHICLE
CONTROLS

An ISO 9001:2015 Registered Company

Gateway

High Idle and Shift Interlock System

Overview

- All-in-one wheelchair interlock and high idle system to ensure full functionality of the vehicle's systems while using the lift
- Provides battery charge protection and improves air conditioning performance
- System is fully compliant with FMVSS 403/404 and the Americans with Disabilities Act (ADA) for wheelchair lift interlocks
- Simple plug and play connections to the OEM chassis

Features

- Prevents vehicle movement while the lift is in use by locking the shifter in Park
- Monitors OEM sensor inputs from the transmission, engine, charging system and ambient air temperature
- Programmable RPM for high idle
- Prevents driving with the park brake set
- Can provide real-time chassis data
- Diagnostic trouble codes available
- Optional BrakeMax add-on: automatically places vehicle in "tow haul" mode for reduced brake wear
- Uses Intermittent Fault Filter™ (IFF) technology to eliminate erroneous lift door signals



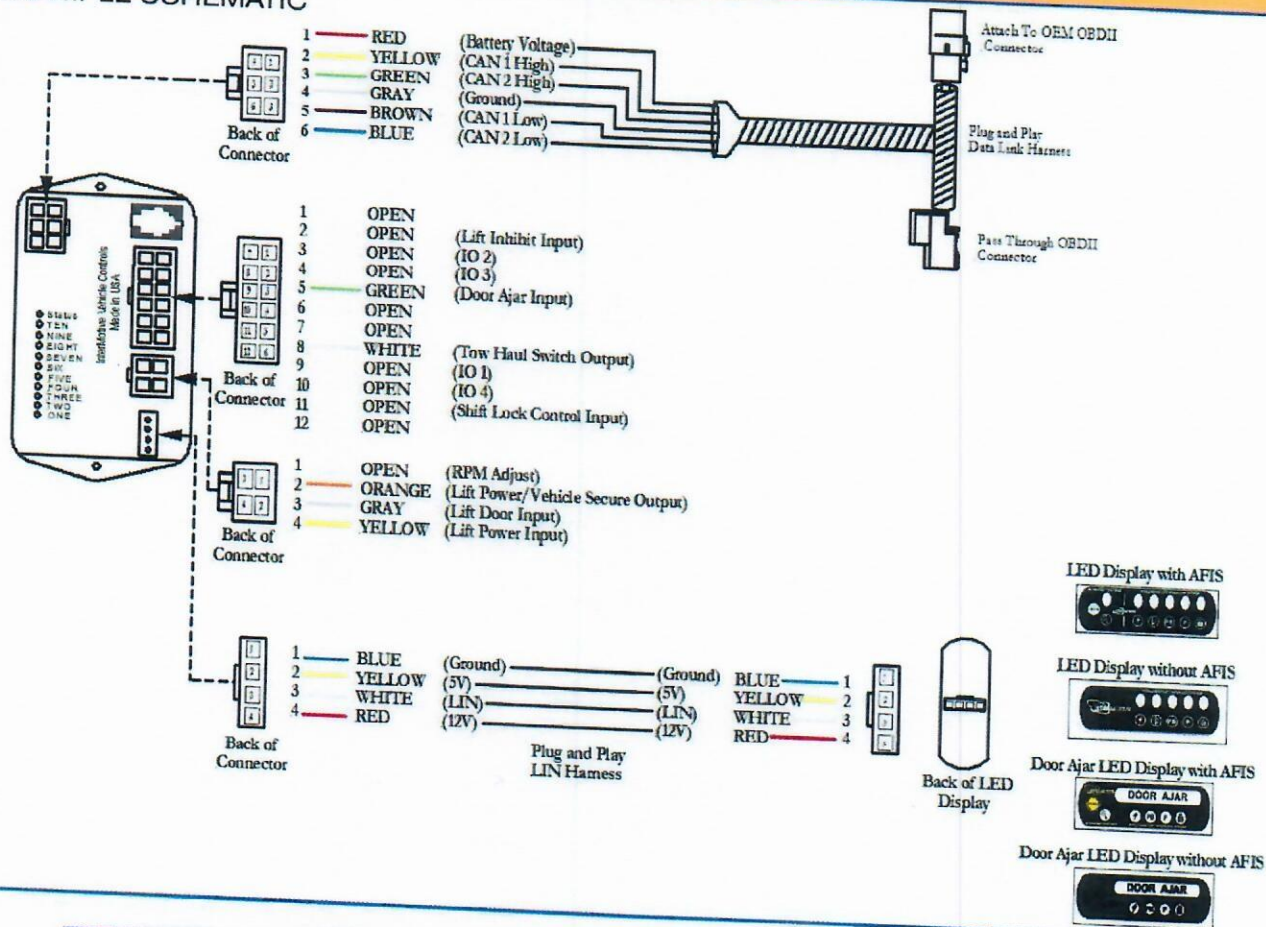
Product features may vary by make, model or year. See instructions for complete details.

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Details

EXAMPLE SCHEMATIC



SPECIFICATIONS

Number of Inputs	Five inputs (lift inhibit, door ajar, shift lock, lift door and RPM adjust)
Number of Outputs	Four configurable outputs, plus one lift power/vehicle secure output and one tow haul switch output
Current Draw	~120 mA
Quiescent Draw	~2 mA (sleep current)
CAN Speed	High and medium speed
Temperature Range	-40°C to 80°C
Dimensions	4" L x 2" W x 1" H

Ford Torqshift Automatic Transmission- Six speed covered by a 5 year 60000 mile extended warranty that exceeds base new vehicle limited warranty



The Ford TorqShift® six-speed automatic transmission is designed and built by Ford to handle the high-performance demands of the standard, Premium-rated 7.3L V8 (325 horsepower and 450 lb.ft. of torque at 3,750 rpm)* and the available 7.3L V8 Economy-rated engine calibration (350 horsepower at 3,750 rpm and 425 lb.-ft. of torque at 3,250 rpm). * Available with either the standard Premium or optional Economy-rated 7.3L engine.

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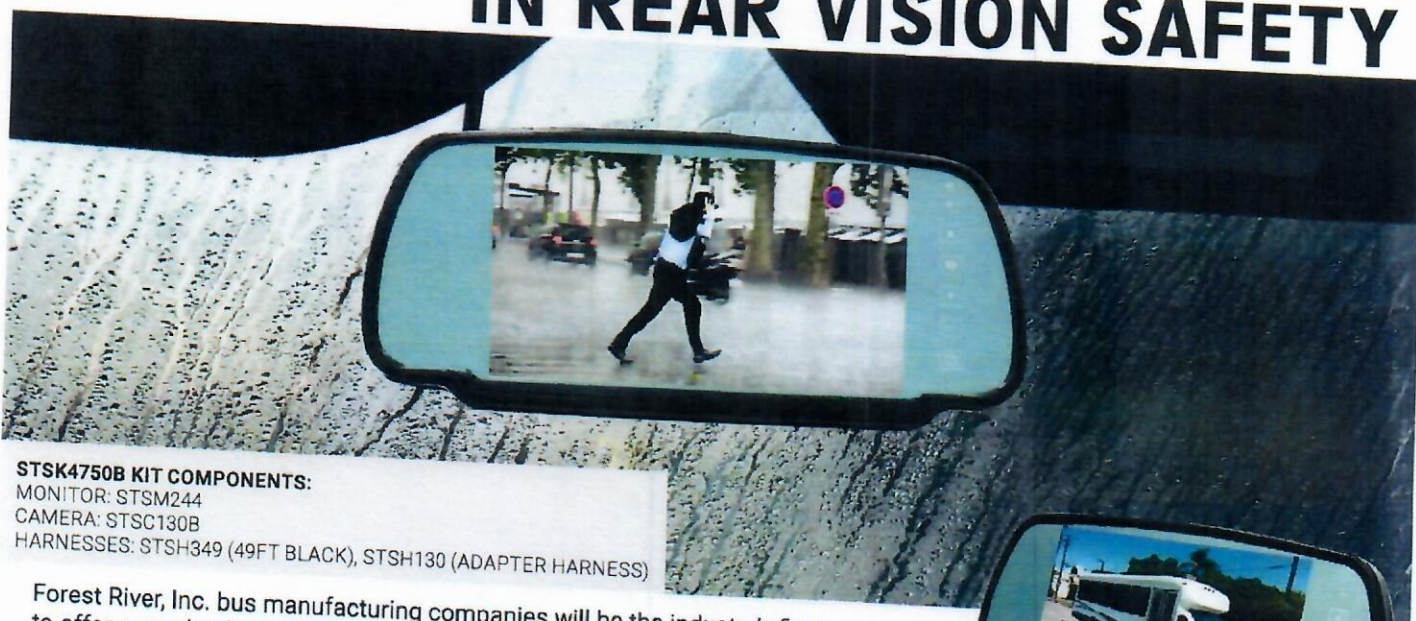
ec
Elkhart Coach

STARTRANS BUS
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STSK4750B

ROSCO

LEADING THE INDUSTRY IN REAR VISION SAFETY



STSK4750B KIT COMPONENTS:

MONITOR: STSM244

CAMERA: STSC130B

HARNESSES: STSH349 (49FT BLACK), STSH130 (ADAPTER HARNESS)

Forest River, Inc. bus manufacturing companies will be the industry's first to offer a rear backup safety camera as standard equipment on every bus in 2019... Setting the safety tone and trend in the commercial and school bus market.

Forest River's hard stance on safety with the new 2019 rear backup safety program has selected Rosco Vision Systems in NY as the manufacturers of the STSK4750B backup camera system.

STSM244 MONITOR SPECS

SCREEN SIZE	7"
RESOLUTION	800*480 pixels
MONITOR BRIGHTNESS	700cd/m2
NUMBER OF CAMERA INPUTS	1
INPUT FORMAT	13-pin
VIEWING ANGLES	L/75°, R/75°, UP/60°, DOWN/60°
SHOCK RATING	2G
VIBRATION RATING	6G
POWER SUPPLY	12 ~ 32 VDC
OPERATING TEMPERATURE RANGE	-4°F to 158°F -20°C to 70°C

STSC130B CAMERA SPECS

TV LINES	420 TVL
FIELD OF VIEW (DIAGONAL)	150°
MINIMUM ILLUMINATION	0.2 LUX
DUST/WATER RATING	IP69K
POWER SUPPLY	12 Vdc
OPERATING TEMPERATURE	-22°F to 140°F -30°C TO 65°C



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JAMAICA NEW YORK 11435



Steering Wheel and Steering Column

For maximum comfort, the E-Series steering wheel and column easily adjust to fit your preferences behind the wheel. With an adjustable steering column, you are able to set your position for maximum comfort and help avoid the potential problems that come with long, uncomfortable drives.

Electronic cruise control operated from lower left of steering wheel controls

Power steering assisted hydraulically by engine driven power steering pump covered under 3 yr 36000 mile Ford warranty

POWER STEERING FLUID CHECK



WARNING: A fluid level between the MAX and MIN lines is within the normal operating range and there is no need to add fluid. A fluid level not in the normal operating range could compromise the performance of the system.



WARNING: For E-350 and E-450 vehicles with the Hydro-Boost Brake System, do not press the brake pedal after the engine has been turned off. Pressing the brake pedal after the engine has been turned off will give a false power steering fluid level reading.

Only use fluid that meets Ford specifications. See **Hydraulic Power Steering Fluid Capacity and Specification** (page 234).

To top up the power steering fluid level do the following.

1. Start the engine and let it run until it reaches normal operating temperature.
2. Make sure the fluid is within the **MIN** and **MAX** range.
3. If the fluid level is low, add fluid to be within the **MIN** and **MAX** range. Do not overfill.
4. While the engine idles, turn the steering wheel left and right several times.
5. Recheck the fluid level in the reservoir.

Note: Do not operate the vehicle with a low power steering pump fluid level.

Brakes Ford OEM disc brakes with ABS covered under 3yr/36000 mile base warranty except pads

GENERAL INFORMATION

Note: Occasional brake noise is normal. If a metal-to-metal, continuous grinding or continuous squeal sound is present, the brake linings may be worn-out, have the system checked. If the vehicle has continuous vibration or shudder in the steering wheel while braking, have the system checked as soon as possible.

Note: Brake dust may accumulate on the wheels, even under normal driving conditions. Some dust is inevitable as the brakes wear and does not contribute to brake noise. See [Cleaning the Wheels](#).

BRAKE See [Warning Lamps and Indicators](#).



Wet brakes result in reduced braking efficiency. Gently press the brake pedal a few times when driving from a car wash or standing water to dry the brakes.

Brake Over Accelerator

In the event the accelerator pedal becomes stuck or entrapped, apply steady and firm pressure to the brake pedal to slow the vehicle and reduce engine power. If you experience this condition, apply the brakes and bring your vehicle to a safe stop. Move the transmission to park (P), switch the engine off and apply the parking brake. Inspect the accelerator pedal for any interference. If none are found and the condition persists, have the system checked.

Anti-lock Brake System

This system helps you maintain steering control during emergency stops by keeping the brakes from locking.



If it illuminates when you are driving, your vehicle requires service. Your vehicle continues to have normal braking without the anti-lock brake system function. Have your vehicle checked as soon as possible. It also momentarily illuminates when you switch the ignition on to confirm the lamp is functional. If it does not illuminate when you switch the ignition on, or begins to flash at any time, have the system checked.

BRAKE



It illuminates when you engage the parking brake and the ignition is on.

If it illuminates when your vehicle is moving, make sure the parking brake is disengaged. If the parking brake is disengaged, this indicates low brake fluid level or a brake system fault. Have your vehicle checked as soon as possible.

It also momentarily illuminates when you switch the ignition on to confirm the lamp is functional. If it does not illuminate when you switch the ignition on, or begins to flash at any time, have the system checked.

Hydraulic brake booster system (Hydroboost or Hydromax)

The Hydroboost and Hydromax systems receive fluid pressure from the power steering pump to provide power assist during braking.

The Hydromax booster receives backup pressure from the reserve system electric pump whenever the fluid in the power steering system is not flowing. When the engine is off, the pump turns on if you apply the brake pedal, or if you switch the ignition to the on position. The sound of the pump operating may be heard by the driver. This is a normal characteristic of the system.

The reserve system provides reduced braking power, so the vehicle should be operated under these conditions with caution, and only to seek service repair and removal of the vehicle from the roadway.

Note: For vehicles with the Hydromax system operating under normal conditions, the noise of the fluid flowing through the booster may be heard whenever you apply the brake. This condition is normal. Vehicle service is not required.

If braking performance or pedal response becomes very poor, even when you strongly press the pedal, it may indicate the presence of air in the hydraulic system or leakage of fluid. Stop your vehicle as soon as it is safe to do so. Have the system checked as soon as possible.

PARKING BRAKE



WARNING: Apply the parking brake, shift into park (P), switch the ignition off and remove the key before you leave your vehicle. Failure to follow this instruction could result in personal injury or death.

Apply the parking brake whenever you park your vehicle.

- For vehicles with a foot operated parking brake, press the pedal down.
- For vehicles with a hand operated parking brake, pull the parking brake lever up.

BRAKE



It illuminates when you switch the ignition on and apply the parking brake. It also illuminates momentarily when you switch the ignition on to confirm the lamp is functional. If it does not illuminate when you switch the ignition on or begins to flash at any time, have the system checked by an authorized dealer.

If it illuminates when your vehicle is moving, make sure you disengage the parking brake.

If the parking brake is disengaged, this indicates a low brake fluid level or a brake system fault. Have your vehicle checked as soon as possible.

To release the parking brake:

- For vehicles with a foot operated parking brake, pull the parking brake release lever.
- For vehicles with a hand operated parking brake, push the parking brake lever down.

Wheels covered under 3 year 36000 mile warranty



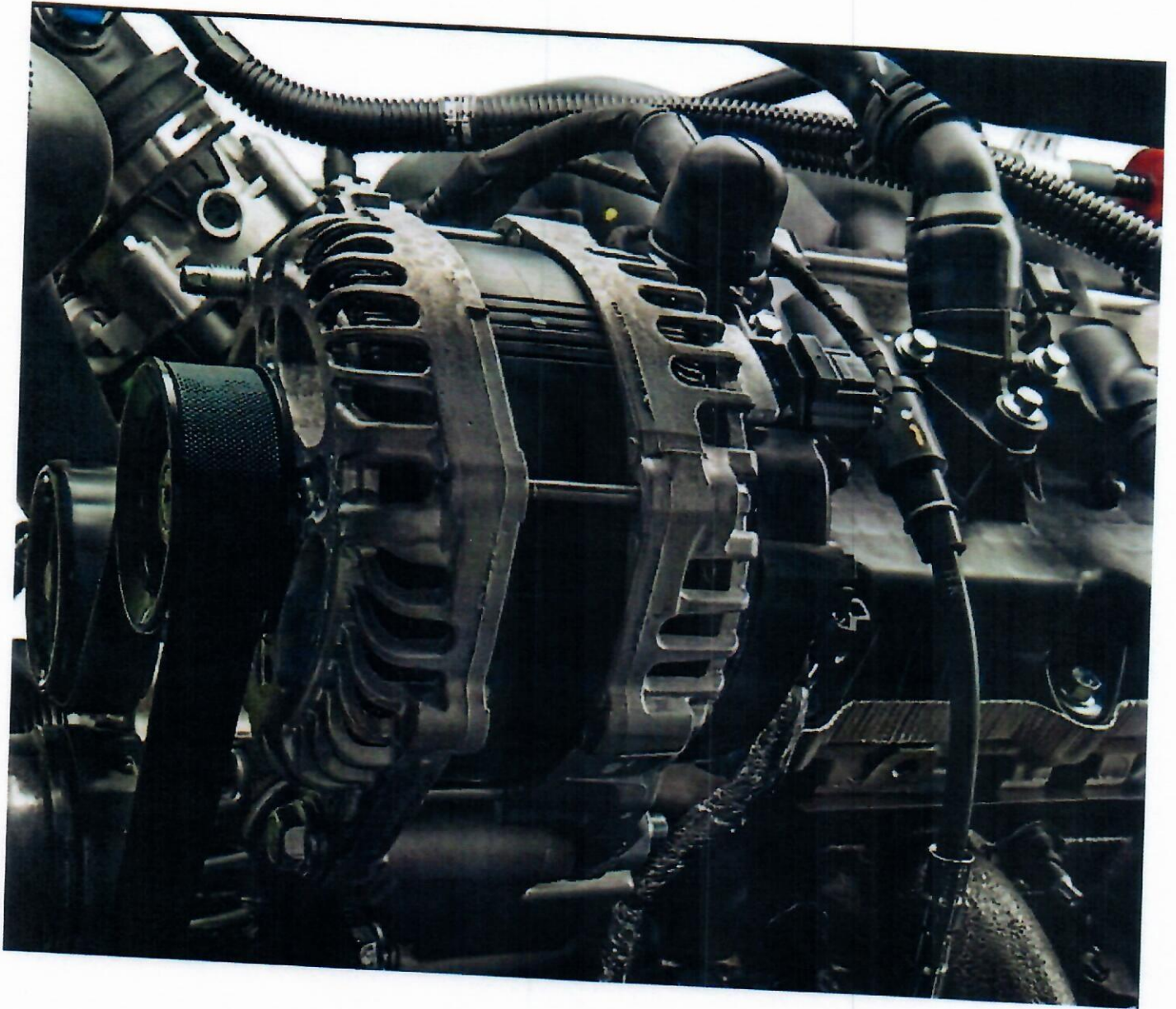
16-inch x 6-inch White-Painted Steel Wheels

These white-painted steel wheels are standard on dual-rear-wheel models.

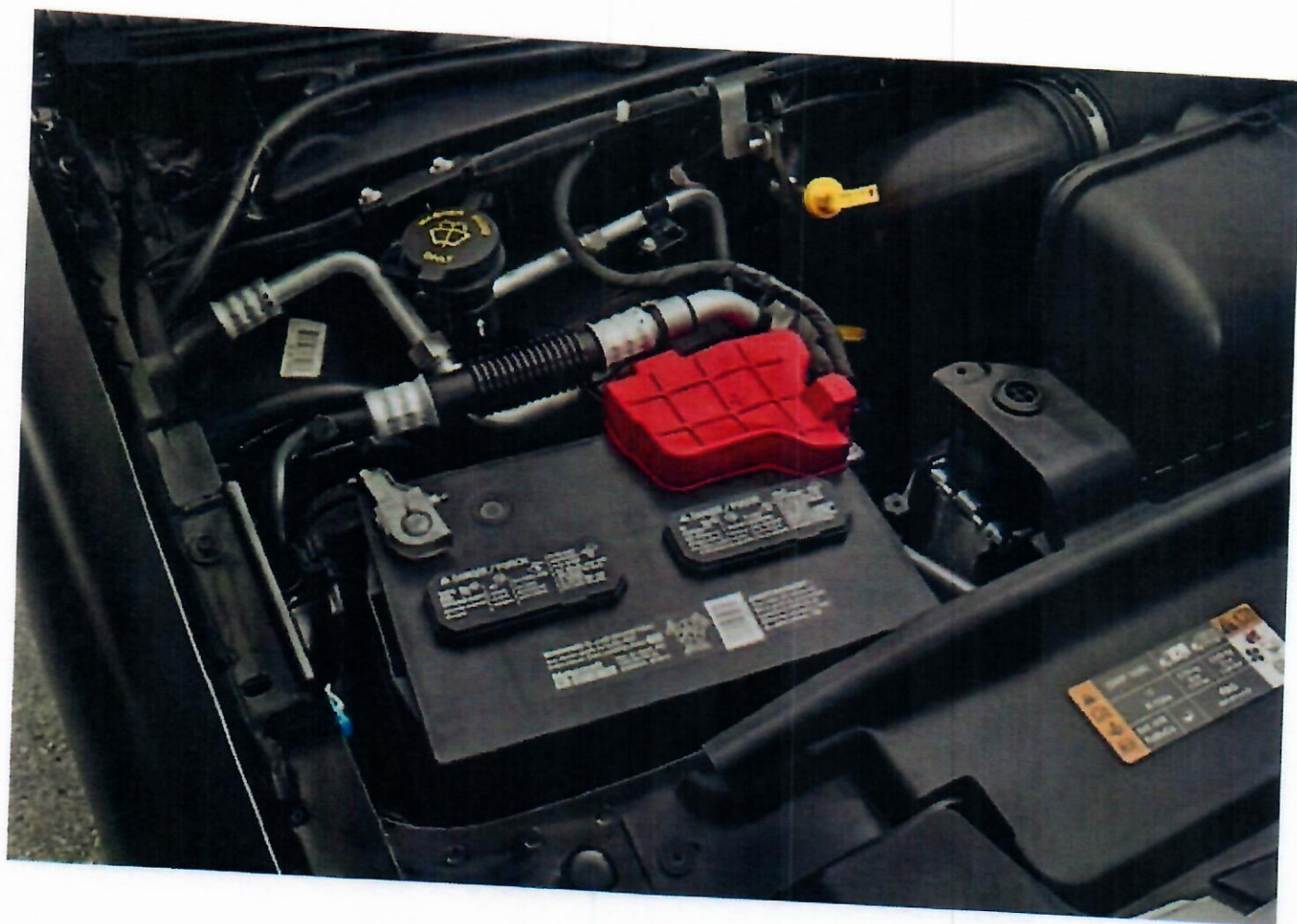
Tires – LT225/75R16E covered under separate limited defect warranty. Any replacement if warranted may be subject to mileage already used. No guarantee of tire manufacture. Subject to change over life of contract



Optional 240 amp alternator by Ford – Covered under 3 yr /36000 mile warranty



Ford dual OEM Motorcraft batteries relocated to separate battery box. Covered by 3 yr / 36000 mile warranty





AM/FM/RBDS/WB Heavy Duty Radio

JHD1130



PRODUCT FEATURES

- 12V DC power
- Max output power: 40W x 4
- Electronic AM/FM tuner (US/Euro)
- NOAA 7-channel Weather band
- RBDS with PTY search
- Front AUX input
- Amber backlit control panel buttons
- 12/24 hour selectable clock with Super-Cap 30 day power backup
- Encoder knob volume control
- Beep tone confirmation (user selectable On/Off)
- EQ presets (Flat, Rock, Pop, Classical, User settings)
- Conformal coated PCB
- Preset tuning
- Non-volatile memory
- Low battery alert (Voltage < 10.8 VDC)
- IR remote ready (remote sold separately)
- Channel lock

DESIGNED TO MOVE [YOU][™]

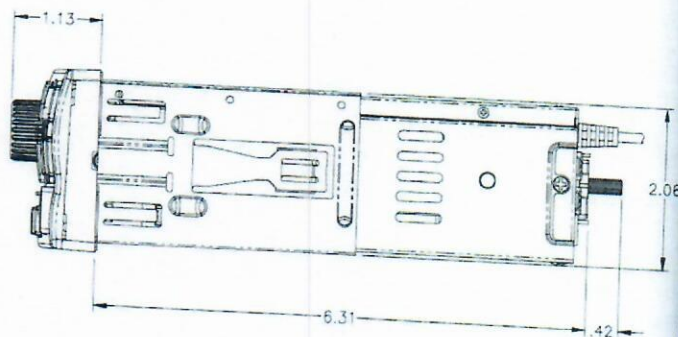
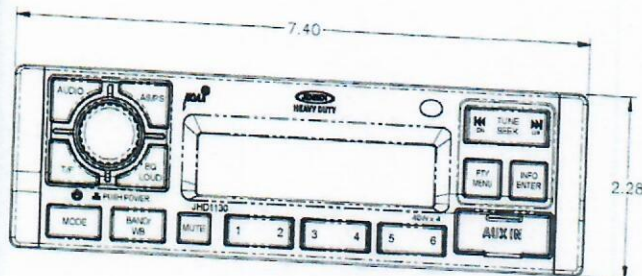
Features and specifications subject to change without notice.

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www.asaelectronics.com



AM/FM/RBDS/WB Heavy Duty Radio

JHD1130



Specifications

General Specifications

Power System		12 VDC
Operating Voltage Range		9 V to 18 V
Current Draw @ 12V	Standby	0 A
	Nominal	1.3 A
	Maximum	9.5 A
Operating Temperature Range		-22°F to 185°F -30°C to 85°C
Storage Temperature Range		-40°F to 185°F -40°C to 85°C
Maximum Relative Humidity		95%
Overall Dimensions		6.3" x 7.4" x 2.1"
Product Weight (unpackaged)		2.75 lbs.

Performance Specifications

FM Sensitivity		1 uV
AM Sensitivity		20 uV
Output Power	RMS	18 W x 4
	Maximum	40 W x 4
Total Harmonic Distortion @ 1 Watt		1%
Applied Test Suite		ASA ES0013
Regulatory Certification		FCC Part 15B / E-Mark



FOREST RIVER BUS

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ELDORADO BUS BODY FRAME CONSTRUCTION

includes step
3.08 and 3.09

3.0 Body Construction – General Frame Construction

Manufactured from all steel products, the floor, roof, side walls, rear wall, driver halo assembly and entry door assembly are all wire welded (MIG) together to form an integral steel frame that is thoroughly coated in our primer paint shop, then mounted with specified hardware to the rubber body mount points (pucks) supplied by the chassis manufacturer. Once joined to the chassis, the bus finishing process begins.

3.0.1 Floor frame construction and assembly –

- 3.0.1.1 Cross Members -- The floor cross members form the base structural support for the rest of the frame components. Our cross members are constructed of 14 gauge steel, formed to a capital "C" shape. Cross members over the fuel tank are made to provide the clearance needed to conform with FMVSS301 and include formed internal reinforcements welded in place for additional strength. All additional longitudinal and latitudinal structure is flush welded in place to form a one piece floor upon completion.
- 3.0.1.2 Steel "Hat Posts" – 1"x1"x4"x1"x1" run the length of the floor between cross members and are welded into place.
- 3.0.1.3 Seat Track - High Strength Low Alloy roll formed steel seat track is welded to the 4" dimension of the hat posts, providing even more strength to the floor structure.
- 3.0.1.4 Steel C Channel – 1"x1.5" C channel is welded in between cross members the full length of the floor in 5 places. Coupled with the Hat Posts this provides a one-piece strong "ladder" type frame for the flooring.
- 3.0.1.5 Wheel Wells -- Constructed of 14 gauge steel, wheel wells are also welded in during the floor construction process. All seams in the wheel well are welded to create a one piece water resistant wheel housing structure. The wheel wells also provide additional strength to the body assembly, when welded in place.
- 3.0.1.6 Structural Steel Angle – 1/8" thick 1.5" x 2.5" structural steel angle is used the full perimeter length of each floor assembly, welded to the ends of all floor cross members. This provides not only a flat plane for joining the sidewall assembly, but also ties all cross members together and provides additional side impact resistance.
- 3.0.1.7 Additional structure – When adding vertical stanchions, wheel chair lifts and/or tie down options, additional structure is welded into the floor at locations specified by our engineering department on CAD drawings.

3.0.2 Sidewall Construction –

- 3.0.2.1 Sidewall vertical member – The heart of our sidewall is the vertical structure, a roll formed 18 gauge steel capital "C" channel with 8 bends that create extreme strength and rigidity. The vertical member is installed in full lengths between windows and in shorter sections above and below window frame centerlines. Additional vertical structure is used at both ends of the sidewall enabling the structure to withstand the forces applied by the vehicle when in motion. Using the open C member also enables a thorough primer application.
- 3.0.2.2 Steel Tubing – 1" x 1" 16 gauge steel tubing is welded horizontally between vertical members to frame all lower window openings and 1" x 3" 16 gauge steel tubing is

welded in to frame all upper windows openings. The 3" wide steel tube supplies a structural mounting surface for shoulder belt attachment and has been pull tested to federal standards.

3.0.2.3 Seat Track –High strength low alloy roll formed steel track is welded to each vertical sidewall member down each sidewall below the window frame. While serving as a seat attaching device, it adds excellent structure to the sidewall and also provides additional side impact resistance.

3.0.2.4 Wheelchair Options –Additional sidewall tube structure is added to form the perimeter frame for mounting of the wheelchair door assembly.

3.0.2.5 Full length steel tubing – 1"x1" 16 gauge steel tubing is MIG welded to the sidewall bottom and top at each vertical member for attaching to the floor and roof sections, respectively.

3.0.3 Rear Wall Construction –

3.0.3.1 Rear wall vertical member – The vertical sidewall capital "C" channel with 8 bends is also used in the rear wall assembly. Full length structure is used at varying places, depending on choice of rear window, or rear door. Shorter cut pieces are used above windows and doors. Additional side windows used with the rear door also change the configuration.

3.0.3.2 Steel Tubing – 1"x1" 16 gauge steel tubing is welded horizontally between vertical members to provide a window frame in the standard product, and used as an upper door frame in the optional rear assembly.

3.0.3.3 Full length steel tubing – 1"x1" 16 gauge steel tubing is stitch welded to the rear wall top and bottom as in the sidewall assembly.

3.0.4 Roof Construction –

3.0.4.1 Roof Bows – Radius formed one-piece 16 gauge steel roof bows formed as a modified hat post design are placed on 16" centers for exceptional strength, eliminating the need for any "roll bars" required by builders using spacing as wide as 48" on center. including 4 bends in the web similar to our vertical sidewall steel provide a roof structure capable of taking severe loads. They are then capped with top flat pieces from flange to flange to provide abundant surface area for securing the exterior roof material. Each bow is welded to the 1" tubing referenced below.

3.0.4.2 Steel Tubing – 1"x1" 16 gauge steel tubing is welded to the full perimeter of the roof for mating to the sidewall and rear wall, with short vertical pieces providing support on the front and rear ends. The 3" wide steel tube supplies a structural mounting surface for shoulder belt attachment and has been pull tested to federal standards.

3.0.4.3 Steel Plate 3" wide is welded full length longitudinally on each side of the roof to provide further strength and stability to the roof structure.

3.0.4.4 Steel Plate of varying dimensions is welded into the roof structure between bows to provide mount points for items such as stanchions for secure mounting whenever the items are not placed directly beneath a roof bow.

3.0.5 Driver Compartment Overhead Halo –

3.0.5.1 Steel Tubing – 1"x1" 16 gauge steel tubing is cut and jig welded into an integrated one piece structure spanning from the front roof bow of the body to the newly cut roof line of the cab. Also created during the structure manufacture is the housing for mounting the electronic circuit board.

3.0.5.2 11 Gauge Steel – formed to make brackets used to mount to the chassis roof.

3.0.6 False Floor (Cab to body transition) –

3.0.6.1 Steel Tubing – 2" x2" 16 gauge steel tubing is welded together forming a flat body floor transition from the step area back to the actual body area. An overhang on the curbside provides a secure attach point frontally for the entry door frame added later.

3.0.6.2 Structural steel angle – 11 gauge 1.5"x1.5" structural angle is added in short lengths five places to provide attachment points to the chassis floor.

3.0.7 Interior Vertical Transition Frames –

3.0.7.1 Steel Tubing – 1"x1" 16 gauge steel tubing is used vertically and a ladder type assembly is made welding the 1x1 tube to .75"x.75" 11 gauge steel tube that is used horizontally in the assemblies. These pieces transition from the body fronts on each side to the driver halo side assembly and the entry door frame assembly on the curbside.

3.0.8 Entry Door & Step Assembly Frame –

3.0.8.1 Steel Tubing – 1"x1" 16 gauge vertical and .75"x.75" 11 gauge horizontal steel tube is cut to length and welded together in a ladder type construction forming a rigid frame for attaching the entry door/step assembly.

3.0.9 Entry Door/Step Assembly –

3.0.9.1 11 Gauge Steel – The step riser/tread piece is manufactured from one-piece 11 gauge steel and uses 90° bends at all risers and treads. The bottom tread also adds an additional 90° bend for additional strength and safety. Upper and lower side pieces are then welded to the vertical tubing and step riser/tread.

APPLICATION OF EXTERIOR SIDEWALL MATERIAL

X FIBERGLASS/FRP/COMPOSITE SIDEWALLS

Composite FRP exterior sidewall panels are installed using Manus Bond 75-UHVFC solvent and isocyanate-free structural adhesive. The adhesive is applied to the vertical and horizontal frame members in the sidewall structure, then the one piece panel is set into place and clamped until the structural adhesive reaches initial "green" strength that gives it the ability to support the weight of the sidewall panel without additional aid.

Manus 75-UHVFC is used due to the excellent adhesion, yield strength and elongation percentage of the product once cured. Designed as a replacement for mechanical fasteners, the adhesive also allows the material to expand and contract without undue stress since the elongation of the product is 250%. Faster curing two-part adhesives can be used but their lack of elongation can lead to cracking of the skin due to stresses applied by typical heat/cold cycles encountered.

Manus 75-UHVFC is also the adhesive used by Eldorado to ensure permanent bonding of the plywood floor substrate to the coated steel frame members.

A product data sheet for Manus 75-UHVFC Structural Adhesive is attached for further information.

Should any further questions arise, please contact your Eldorado Bus representative.

✓ PAINTED ALUMINUM OR STEEL SIDEWALLS

Mill painted aluminum or galvanized steel exterior sidewall panels are installed using a combination of Very High Bond tape with an acrylic adhesive and Manus Bond 75-UHVFC solvent and isocyanate-free structural adhesive. The side vertical wall bows have two flanges facing the exterior. Tape is applied to one vertical flange for fast adhesion while Manus 75-UHVFC structural adhesive is applied to the other vertical flange. The metal is put in place then pressure is applied by rollers to secure the metal to the tape and ensure good contact with the bead of structural adhesive.

As normal practice dictates, metal is overlapped moving up the sidewall for water shedding. The metal is

held in place initially by the VHB tape, then subsequently by window ring flanges and belt line molding that is secured with stainless steel fasteners. The structural adhesive "greens" (initial grab strength) within two hours, depending on temperature and humidity conditions, then moves to a full cure within a few days.

As above, product data sheets are attached for Manus 75-UHVFC and also the VHB tape for your information. A pictorial information sheet of the process is also attached to enable a visual understanding of the process as well.

PASSENGER ENTRY DOOR

36" WIDE ROUGH OPENING WELDED ENTRY ASSEMBLY. A&M MANUFACTURING PRODUCED ENTRY DOOR LEAVES AND A&M ELECTRIC DOOR HEADER MECHANISM (MANUAL IS AVAILABLE - OPTIONS MAY DICTATE DIFFERING DOOR SIZE). FULL HEIGHT 1/8" THICK TEMPERED SAFETY GLASS IN EACH DOOR LEAF IS FMVSS COMPLIANT AS-2 TINTED. LEAF FRAMES ARE INTERLOCKED ALUMINUM EXTRUSIONS WITH TOUGH, CLEAR COAT ANODIZED 204 R1 RATED FINISH FOR CORROSION PROTECTION AND INTEGRATED, OVERLAPPING FLEXIBLE SEALS (APPROXIMATELY 2.5" EACH). FRONT LIFT 138/139" WB MODELS CAN ONLY USE A 32" WIDE DOOR.

Wheelchair Door and Rear door –

REAR EMERGENCY with WINDOWS / 20% LIGHT TRANSMITTANCE / 60" WIDE X 22.5" HIGH
Latch system with door ajar light and buzzer
Wheelchair Double Door with windows / 20% LIGHT TRANSMITTANCE / 49.5" wide exceed ADA height
Latch system with door ajar light, buzzer and LED light
Tied to Interlative interlock system which prevents vehicle from being shifted into drive while WC door is open and lift in operation

The HELP® Energy Absorbing Bumper

The patented HELP® Bumper (High Energy Level Polymer) works actively to absorb energy from an impact and transmits the forces away from the vehicle chassis, shielding the vehicle from any harm. Unlike a steel or foam core bumper, the HELP® bumper can form back to its original molded shape without internally damaging the bumper, losing its energy absorbing properties and damaging the vehicle, even after multiple impacts. Our HELP® technology, combined with **in-mold paint** and an aluminum back structure, **decreases downtime** for your vehicle.





CENTURY SERIES NCL1000-2 WHEELCHAIR LIFTS

THE ONE-STOP-SHOP FOR ALL YOUR MOBILITY TRANSPORTATION NEEDS

Since 1963, BraunAbility has been the trusted industry leader. Our wheelchair accessible vehicles and lifts are designed to meet your specific needs, with performance, safety, and reliability that will keep your fleet up and running day after day, year after year. With the most diverse product portfolio of any mobility vehicle company in the industry, BraunAbility delivers the right solution to every commercial mobility need.

NCL1000-2 CENTURY SERIES WHEELCHAIR LIFT

STANDARD FEATURES

- **1,000-pound lifting capacity**
- NHTSA-compliant
- Fully automatic FMVSS 403-compliant lift, operated by an attendant
- Interfaces with OEM interlocks
- Long-lasting LED lift-mounted lights
- Side or rear door application*
- Platform options up to 37" wide
- Floor to ground lift heights up to 48"
- Made in the USA

* Vehicle suspension dynamics affect body roll and FMVSS 404 platform tilt allowance. Before selecting a lift with a 1000# rated capacity, ensure this load does not induce excessive platform tilt.

SAFETY FEATURES

- Locking mechanical Inboard Barrier (IB), powder coated yellow for safety and high visibility, prevents operation if occupied
- Visual and audible warnings alert both passengers and attendants to unsafe conditions
- Interlocked gas spring activated outer barrier
- Dual handrails for security and convenience
- Pump design prevents platform folding when occupied

EASE OF USE FEATURES

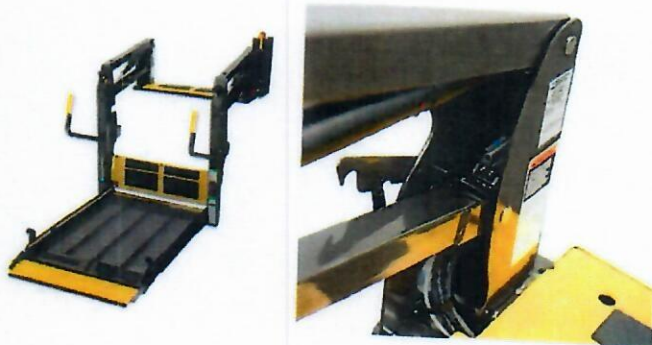
- Hand-held control box with illuminated functions
- Durable redesigned baseplate reduces lift weight, and allows for quicker and easier service
- Bridging feature permits the wheelchair user to board the lift from sidewalks
- Equipped with an adjustable anti-rattle feature
- Lift-Tite™ system stows the lift platform securely while the vehicle is in transit
- Pump module with removable cover offers easy access to all components
- Integrated back-up pump

BRAUNABILITY'S UNRIVALED SERVICE

Every BraunAbility commercial mobility product comes with our team of commercial mobility experts. They will work to find the ideal mobility transportation solution, no matter the requirements, complexity, or scale. And after you make a purchase, they will continue to work just as hard to offer you all the service and repair support you need.

The NCL1000-2 Century Series Wheelchair Lift from BraunAbility

With dual hydraulic lift arms, and a design that has withstood the test of time, the Century Series offers all the benefits and quality of a BraunAbility wheelchair lift in a streamlined, economical package. The simplified electrical system offers trouble-free operation, while the non-hydraulic spring-loaded outer barrier keeps the wheelchair safely and securely on the wheelchair lift platform throughout the lifting cycle. In addition to all these standard features, the NCL1000-2 also comes equipped with an increased lifting capacity of 1000 pounds.



The NCL1000-2 Century Series also features new and improved inboard barriers, baseplates, vertical channels, and lower parallel arms for a more rigid and stable ride.

BraunAbility offers several models of the Century 2 Wheelchair Lift to address the right application, including usable platforms of 33" x 51", 34" x 51", 34" x 54", as well as 37" x 51" and 37" x 54". The models also vary based on the placement of the front or rear pump module, the lifting capacity (1,000 pounds), and the overall floor-to-ground lift height (up to 48"). The Century 2 Wheelchair Lift is available with or without the handrail belt. See your BraunAbility dealer or braunability.com for lift models available for your specific application.

 **BraunAbility®**

 **MADE IN THE USA**

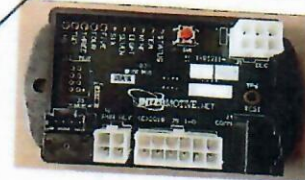
631 West 11th Street • Winamac, IN 46996
(574) 946-6153 | 1-800-THE-LIFT
www.braunability.com/commercial

All illustrations, descriptions and specifications in this brochure are based on the latest product information at the time of publication. BraunAbility reserves the right to make changes at any time without notice. © 2019 The Braun Corporation 405245



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B-GTWY508 Fast Idle, Shift Interlock, I/O
2020 - 2022 Ford F250-F550 - 6.2L and 7.3L Engine
2020 Ford F250-F550 - 6.7L Diesel (B-GTWY508-G)
2021 Ford F650-F750 - 7.3L Engine
2021 Ford F650-F750 - 6.7L Diesel (B-GTWY508-G)
2021 - 2022 Ford E-Series



OK for 2023/24

Introduction

The Gateway 508 is a wheelchair lift safety interlock which will only work with the ignition on. It will enable the lift when certain vehicle safety conditions are met, and will lock the transmission shifter in Park when the lift door is open and/or the Park Brake is applied. The Advanced Fast Idle System (AFIS) elevates engine idle speed in response to a number of triggers in order to assist electrical or mechanical systems on the vehicle. The Brakemax option (B-GTWY508-B) will automatically engage the OEM Tow Haul mode whenever the vehicle is started. The GTWY508 can also be installed with the Park Crank Only Module (PCOM) which will allow the vehicle to only be started in the Park position (GTWY508-C).

Installation Instructions

Disconnect the vehicle's battery before proceeding with installation.



WARNING
Disconnect the battery to
prevent setting a check engine
light.

CAUTION

All electronic products are susceptible to damage from Electrostatic Discharge or ESD. Ground yourself before handling or working with the module and harnessing by first touching chassis ground, such as the barrel of the cigarette lighter.



IMPORTANT—READ BEFORE INSTALLATION

It is the installer's responsibility to route and secure all wiring harnesses where they cannot be damaged by sharp objects, mechanical moving parts and high heat sources. Failure to do so could result in damage to the system or vehicle and create possible safety concerns for the operator and passengers. Avoid placing the module where it could encounter strong magnetic fields from high current cabling connected to motors, solenoids, etc. Avoid radio frequency energy from antennas or inverters next to the module. Avoid high voltage spikes in vehicle wiring by always using diode clamped relays when installing upfitter circuits.

Gateway 508 Module

Remove the lower dash panel below the steering column and find a suitable location to mount the module. Verify this location is in an area away from external heat sources (engine heat, heater ducts, etc. Do not mount the module until all wire harnesses are routed and secure. The last step of the installation is to mount the module. When installing the harnesses, leave several inches of take-out in order to remove the module if necessary.

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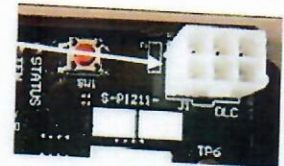
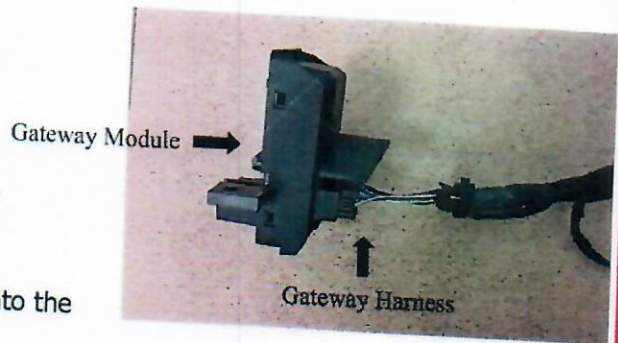
Fax: (530) 823-1516

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www.intermotive.net
products@intermotive.net
GTWY508-030422-INS

Ford 24-pin Data Link Harness (6-pin connector)

1. Locate the vehicles Gateway Module. It will be mounted below the lower left dash panel.
2. Remove the harness behind the Gateway module by pressing the locking tab and pulling outward.
3. Plug the Female side of the Intermotive Gateway Harness into the back of the Gateway module. Ensure the connection is fully seated and secured by the locking tab.
4. Plug the Male side of the Intermotive Data Link Harness into the Gateway harness.
5. Plug the free end of the Data Link harness into the mating 6-pin connector "DLC" on the GTWY508 module.
6. Secure the Gateway harness so that it does not hang below the lower dash panel.



LED Display Panel

1. Locate a suitable position on the dashboard within view of the driver for mounting the LED Display Panel. The length of the display harness is 40". This is the maximum distance the display can be mounted from the GTWY508 module.
2. Drill a 5/8" hole in the dashboard where the center of the display will be located. Use caution not to damage anything behind the dashboard.
3. Attach the 4-Pin LED display harness to the GTWY508 Module's 4-pin connector.
4. Run the free end of the display harness under the dash and out through the 5/8" hole.
5. Attach the end of the display harness to the LED Display Panel.
6. Ensure panel is level, and secure using the supplied screws.



Control Outputs, Input, and Lift Inhibit Connections - 12-pin I/O connector

The GTWY508 provides three ground side configurable outputs and one configurable input/output. The outputs can provide vehicle information such as Vehicle Speed, Park, Park Brake, etc., and are configured per customer requirements at InterMotive prior to shipping. These outputs can be used to control upfitter circuits and can sink up to 1/2 amp. The input pin can be connected to a ground side switch to activate Fast Idle or Shift Lock. Grounding the Lift Inhibit Pin 2 input will prevent GTWY508 from supplying power on Vehicle Secure/Lift Power Output pin (4 pin connector). In addition to the above, there is also a dedicated Shift Lock ground activated input on pin 11 which can be connected to an emergency door switch or other equipment. **Note:** The PCOM option requires one of these outputs to provide Park.

A 12 pin mating connector and seven terminals (two extra) are provided. To use any of these outputs, properly crimp a connector terminal provided to the installer supplied wire using the correct crimping tool (Molex Part# 11-01-0197), and insert into the correct connector pin housing. The pin MUST be properly oriented for it to fully seat and click into place. The largest wire that can be used with these terminals is 16 AWG. Plug this connector into the GTWY508 module's 12-pin connector.

Shift Lock Control Input

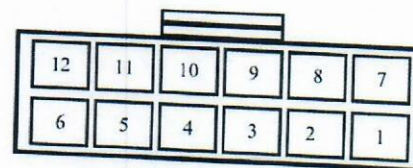
Grounding Pin # 11 on the 12 Pin connector will lock the transmission shifter if the vehicle is in Park. This can be used to prevent the vehicle from driving when equipment has not been properly stowed or an emergency door is open, etc.. This can be connected to any number of grounding switches (connected in parallel) which can effectively "lock the vehicle down".

12-pin Input Output connector pin out definition

- Pin #1 - Yellow - Shift Lock Solenoid
- Pin #2 - Inhibit input - Ground to Inhibit Lift
- Pin #3 - I/O 2 - Configured output
- Pin #4 - I/O 3 - Configured output
- Pin #5 - Green - Door Ajar Input - Ground Signal (Door Ajar Panel Option)
- Pin #6 - Not Used
- Pin #7 - Red - To Pin #12
- Pin #8 - White - Tow Haul Switch Input (BrakeMax Option)
- Pin #9 - I/O 1 - Configured output
- Pin #10 - I/O 4 - Configured I/O Pin
- Pin #11 - Dedicated Shift Lock input - ground to activate Shift Lock
- Pin #12 - Red - To Pin #7



12 Pin I/O Connector

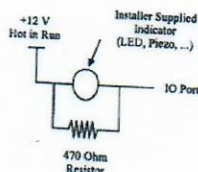
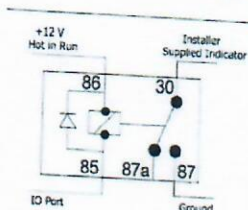


Back of Connector

Control Outputs, Input, and Lift Inhibit Connections - 12-pin I/O connector (continued)

Note: When using the I/O port outputs to drive installer supplied low current devices, such as LED's or Piezo buzzers, a small amount of current leakage may cause the low current device to activate when the pin is inactive. This is indicated by the LED turning on dimly or the Piezo buzzer sounding faintly when the output is inactive (Conditions not met).

To correct this, install a 470 Ohm 1W resistor across the low current device (**Digikey Part # 470WCT-ND**). Or, drive a relay with the I/O output to switch ground to the low current device (**Digikey Part # PB682-ND**).



Shift Lock Harness

1. Remove the upper and lower steering column covers by removing the 3 screws in the lower column cover.



2. Locate the Shift Lock (4-pin) harness.
3. Unplug the Shift Lock connector.
4. Plug the OEM Shift Lock connector into the mating connector on the GTWY508 harness.
5. Plug the 4-pin connector on the GTWY508 harness into the mating connector on the OEM Shift Lock harness.

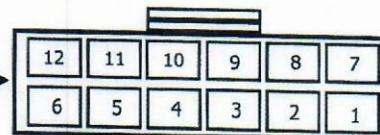
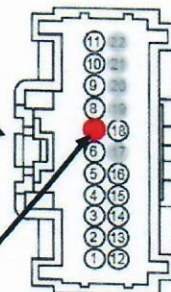


Fast Idle

Fast Idle is done over the CAN network on all vehicles **except** the F250-F750 with a 6.7L diesel engine (B-GTWY508-G). Please follow the instructions below to install the discrete wires to enable Fast Idle.

6.7L Diesel ONLY

1. Locate the Customer Access 22-pin harness. It will be located behind the passenger kick panel on the F250-F550 and under the hood on the F650/F750. (see picture below)
2. The mating 22-pin pigtail is included with the vehicle and should be located in the vehicle's glovebox.
3. Using solder and heat shrink, connect the following wires together:
 - *One of the outputs must be configured to SEIC
 - White wire from the Intermotive harness (840-00058) to the White/Brown wire of the OEM 22-pin pigtail.
 - Yellow wire from the Intermotive harness (840-00058) to the Yellow/Green (Pin 7) wire of the OEM 22-pin pigtail.
 - Green wire from the Intermotive harness (840-00058) to the Green wire of the OEM 22-pin pigtail.
 - Plug the terminal on the end of the Yellow wire into either pin 3, 4, 9, or 10 (depending on how the module is configured) on the 12 pin connector.



Back of Connector



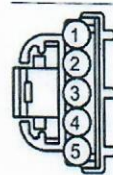
Location of Customer Access 22-pin harness on F650/F750 (under hood)

BrakeMax (B-GTWY508-B Option)

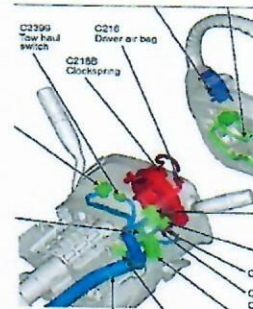
The BrakeMax option will automatically engage Tow Haul mode when the vehicle is started. This is done over the CAN network on all vehicles **except** the Ford E-Series. Please follow the instructions below to install the discrete wires to enable the BrakeMax option (Ford E-Series only).

2021 Ford E-series and Ford F650/F750 ONLY

1. Locate the OEM Black 5-pin tow-haul switch connector (C2399) located on top of the steering column. Locate Pin #2, Brown/Green wire.
2. Attach the GTWY508 12 Pin connector Pin #8 White wire to the OEM Black 5-pin tow-haul switch connector Pin #2, Brown/Green wire. Solder and heat shrink or tape the connection point.
3. Route the wire harness and connect to Pin #8 at the 12-pin connector.



Front of Connector



OEM connection for Brake-Max option.

PCOM - (Park Crank Only GTWY508-C Option)

The GTWY508 can be installed with the Park Crank Only Module (PCOM) which will allow the vehicle to only be started in the Park position (GTWY508-C).

PCOM Ignition Switch Connectors

1. Remove the under dash panel and the steering column shroud.
2. Locate the OEM 7-pin connector attached to the ignition switch under the steering column.
3. Locate the Blue-White wire pin #7. This wire is located on the bottom of the connector.
4. Cut the Blue-White wire between the harness and the connector.
5. Attach the harness side of the Blue-White wire to the Yellow wire from the PCOM Module using solder and the supplied heat shrink tubing.
6. Attach the connector side of the Blue-White wire to the Red wire from the PCOM Module using solder and the supplied heat shrink tubing.
7. Attach the PCOM Black Park Input wire to the GTWY508-C I/O port that provides a ground signal when in Park. The actual pin# depends on the customers configuration of GTWY508-C.
8. Secure the PCOM501B module, ensuring there is not strain on the wires.
9. Reinstall the steering column shroud.



Lift Connector 4-pin

This 12 inch harness contains the ignition power, lift power/vehicle secure, and lift door circuits. The mating harness is to be fabricated by the installer. The recommended mating connector is Molex Part #0050841040. The recommended mating terminals are Molex Part Number 0002081003. The recommended terminal extractor tool is Molex Part Number 0011010168. The recommended hand crimp tool is Molex Part Number 0638116800.

1. Ignition Circuit – Connect the Yellow wire Pin 2 of the white 4-pin connector to an 8A (or less) fused source which provides 12V when the key is on. This circuit provides the power for the Vehicle Secure output below.
2. Lift Power/Vehicle Secure Circuit - Connect the Orange wire Pin 1 of the white 4-pin connector to the Vehicle Secure input on the lift. This circuit must only activate the vehicle secure input on the lift and must not draw more than 8.0 amps max. (see lift manufacturers installation instructions).
Note: Do not power any other loads (i.e.: lights, motors, etc.) from this circuit that could cause the total current draw to exceed 8.0 amps.
3. Lift Door Circuit – Locate the lift door switch circuit. Connect the Gray wire, Pin 4 of the white 4-pin connector to this circuit. **Note:** The door switch must provide a ground when the lift door is open. A switch that provides power with the door is open will not operate correctly.
4. Plug the White 4-pin connector from the Lift Harness into the GTWY508 module connector marked "PWR RLY".

GTWY508 Module Mounting

Ensure all harnesses are properly connected and routed and are not hanging below the dash area. Mount the module as described on page one and secure using supplied screws or double sided tape.

Reconnect Vehicle Battery

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Auburn, CA 95602

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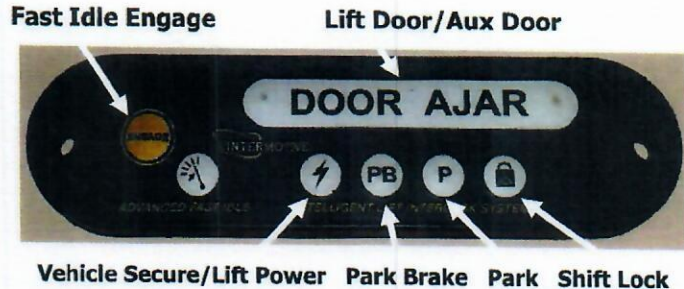
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GTWY508-030422-INS

Post Installation / Check List

The following checks must be made after installation of the system, to ensure correct and safe operation of the lift. If any of the checks do not pass, do not deliver the vehicle. Recheck all connections as per the installation instructions.

Begin the checklist with the vehicle in the following state:

- Lift stowed
- Lift Door Closed
- Park Brake set (PB)
- Transmission in Park (P)
- Ignition off (Key off). Wait until the module goes into "Sleep" mode which takes approximately 40 seconds.



1. Turn ignition key on (to "Run"), verify the module wakes up and all 5 LEDs illuminate for approximately 2 seconds, then turn off.
2. Verify that the Park LED, the Park Brake LED, and the Shift Lock LED remain illuminated.
3. Attempt to deploy the Lift. The Lift must not deploy with the Lift Door closed.
4. With key on, Lift Door open, Park Brake set and transmission in Park, all 5 LEDs will be illuminated. Attempt to deploy the Lift. Verify lift deploys, then stow the lift. **Note:** If the Lift does not operate, check the GTWY508 LIFT connector. Pin 4 should have 12V (Lift power input), and pin 2 should have 12V (Lift Power/Vehicle Secure output).
5. With key on, Lift Door open, transmission in Park, release Park Brake. Verify that the Park Brake (PB) LED goes out
6. Attempt to deploy the Lift. The Lift should not deploy.
7. With key on, Lift Door closed, Park Brake set, attempt to shift transmission out of Park. Verify transmission will not shift out of Park.
8. With key on, Lift Door open, Park Brake released, attempt to shift transmission out of Park. Verify transmission will not shift out of Park.
9. With key on, Lift Door closed, Park Brake released and the Service Brake applied, attempt to shift transmission out of Park. The transmission shift lever will now shift out of Park.

When an additional door (Aux Door), is open, the Door Ajar LED will blink on the display panel until the door is closed. If the **Lift Door** is open, the Door Ajar LED will stay on steady, taking priority over the additional door input.

DO NOT PUT VEHICLE IN SERVICE IF IT DOES NOT PASS ALL OF THE ABOVE TESTS!
Contact InterMotive at 530-823-1048 for technical assistance.

Post Installation (continued)

Fast Idle

The Fast Idle option has several "auto triggers" that will increase engine RPM. These include low battery voltage, air conditioner on, engine cold, and external switch input on pin #10 of the 12 Pin connector (I/O 4).

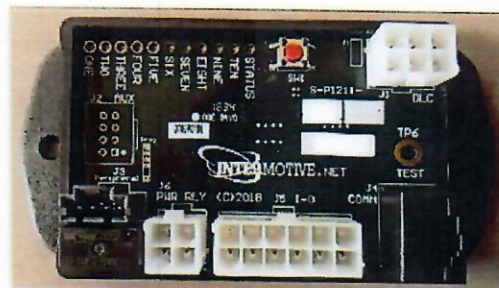
1. Press the Service Brake for 1 second. Fast idle will temporarily disengage anytime the brake pedal is pushed, but will automatically reengage after approximately 2 seconds once the Service Brake pedal is released.
2. Exit Fast Idle mode by pressing the Service Brake and the Yellow Manual ENGAGE button together. Fast Idle will cancel and the Green LED will turn off. This will disable Fast Idle until the key or transmission range is cycled.
3. Shut down the engine and verify that all LED's turn off, which may take a few minutes. Do not activate any vehicle controls during this time (windows, mirrors, doors, etc.).

Setting Fast Idle RPM Speeds (900 RPM - 2000 RPM)

The GTWY508 has two separate configurable RPM settings (heater boost and the default setting). The heater boost is triggered on engine start-up and aids in warming up the engine quickly. The default setting is triggered by low battery voltage, air conditioner On, or external switch inputs. The two settings are changed by doing the following procedure:

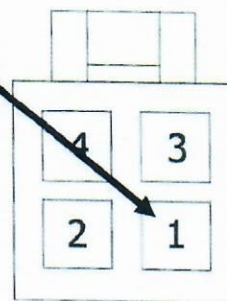
Heater Boost Configuration (Auto Triggers Enabled)

1. Momentarily press the Red "Test" button **TWO** times. The Status LED on the module will flash a 2-2 code (two short flashes, a pause, and two more short flashes).
2. The vehicle RPM will increase to the currently configured setting.
3. To raise the RPM by 50, momentarily ground pin 1 on the 4-pin connector until the desired RPM is set.
4. Momentarily press the Red "Test" button **TWO** more times until no LED's are lit on the module.



Default Configuration

1. Momentarily press the Red "Test" button **THREE** times. The status LED on the module will flash a 3-3 code (three short flashes, a pause, and three more short flashes).
2. The vehicle RPM will increase to the currently configured setting.
3. To raise the RPM by 50, momentarily ground pin 1 on the 4-pin connector until the desired RPM is set.
4. Momentarily press the Red "Test" button **ONE** more time until no LED's are lit on the module.



Back of Connector

Post Installation (continued)

BrakeMax (optional)

The BrakeMax option automatically engages Tow Haul mode when the vehicle is started.

1. Set the Park Brake and start the engine.
2. Verify that the "Tow/Haul" light illuminates on the shifter handle.
3. Press the Tow-Haul button. Verify Tow-Haul light is no longer illuminated. Mode is now deactivated
4. Turn off and restart vehicle. Verify tow-haul mode automatically reengaged.

Park Crank Only (optional)

The PCOM option only allows the vehicle to be started with transmission in Park.

1. Verify the starter will crank only when the transmission is in the "Park" position.

DO NOT PUT VEHICLE IN SERVICE IF IT DOES NOT PASS ALL OF THE ABOVE TESTS
Contact InterMotive at 530-823-1048 for technical assistance.



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B-GTWY508 Fast Idle, Shift Interlock, I/O
2020 - 2022 Ford F250-F550 - 6.2L and 7.3L Engine
2020 Ford F250-F550 - 6.7L Diesel (B-GTWY508-G)
2021 Ford F650-F750 - 7.3L Engine
2021 Ford F650-F750 - 6.7L Diesel (B-GTWY508-G)
2021 - 2022 Ford E-Series



Gateway 508

The Gateway 508 initializes when the vehicle ignition is on. During initialization, the LED display panel connected to the Gateway 508 performs a prove-out for 2 seconds. After the initialization, the Gateway 508 obtains various vehicle data over the OBDII connector/network and all control logic is performed. When the Gateway 508 has been running and the vehicle ignition is turned to the off or accessory position, the module goes into a very low current consumption "sleep" mode. This may take up to 5 minutes.

In order to not interfere with possible scan tool communication, GTWY508 will refrain from transmitting CAN messages for 10 seconds if scan tool CAN communication is detected. If during these 10 seconds another scan tool message is received, an additional 10 seconds will be added to the end of the first 10 second timeout. When no scan tool messages have been detected for at least 10 seconds, GTWY508 will resume operation.

Advanced Fast Idle

The Advanced Fast-Idle System (AFIS) option of the Gateway 508 includes Charge-Protect as well as fully-automatic and manual engage modes. Charge-Protect is a feature that maintains vehicle charging system voltage by increasing and controlling vehicle idle speed when necessary. Whenever charging system voltage falls below a minimum voltage (determined by each bus manufacturer), this AFIS feature will increase idle speed and maintain fast idle until the user cycles the shifter, a safety condition is violated or the user manually disengages fast idle. The fully-automatic and manual engage modes also require that all safety conditions are met.

Safety conditions that must be met to engage or maintain Fast Idle operation

- Vehicle NOT moving
- Service Brake NOT pressed
- Vehicle Transmission in Park
- RPM inside of safe operating range
- Transmission Fluid Temperature below 250° F
- Engine Coolant Temperature below 230° F

Control / Display Panel

The left side of the Control/Display Panel consists of one LED and a Manual Engage Switch. The green LED will illuminate when Fast Idle is in progress. The LED is also used for diagnostic code retrieval by an authorized service technician. The Manual ENGAGE button can be used to engage Fast Idle operation if all safety conditions are met.

Fast Idle Operation

Fast Idle may be initiated by either a manual or automatic Fast Idle trigger. The AFIS strategy can only command elevated idle when certain safety conditions are met (see above). Fast Idle operation will be terminated by a safety condition violation, or an automatic trigger going away. If a Fast Idle operation terminates due to a safety condition violation, automatic Fast Idle is unavailable until the transmission is cycled out of Park and back. Default Fast Idle RPM is 1500.

GTWY508 Operating Instructions (continued)

Manual Fast Idle Start Triggers

- LED panel manual ENGAGE button.
- Fast Idle Input – ground applied to 12 Pin I-O connector Pin 10 (if configured - such as from an A/C unit).

Automatic Fast Idle Start Triggers

- Charge Protection - Battery voltage drops below bus manufacturer set minimum voltage.
- Chassis A/C Boost - OEM A/C clutch engaged with ambient temperature above 70° F.
Note: shutting off A/C does not disable Fast Idle until transmission range cycled.
- Heater Boost – Ambient air temperature below 70° F and Engine Coolant Temperature below.

Fast Idle Disengagement

- Safety Condition Violation.
- Heater Boost - Engine Coolant Temperature > 120° F. Removes Heater Boost trigger.
- Fast Idle I/O 4 (pin 10) is no longer grounded.
- Transmission Fluid Temperature above 250° F. Overheating condition.
- Ambient Temperature below 70° F (Only in A/C Boost).

NOTE: Fast idle will temporarily stop anytime the brake pedal is depressed, but will automatically reengage after approximately 2 seconds once the brake pedal is released. Fast idle may be manually cancelled by depressing the service brake pedal while simultaneously pressing the manual engage switch.

Manual Operation

To manually engage Fast Idle, the manual ENGAGE button must be pressed for at least a quarter second and released. The Fast Idle operation will begin when the button is released, not when first pressed. Holding down the button for more than five seconds will initiate a diagnostic routine that displays stored status codes from previous operations. If the driver accidentally enters this routine, it can be exited by cycling the vehicle's ignition off and then back on. To exit Fast Idle operation, the driver can simply press the service brake while simultaneously pressing the ENGAGE button.

Note: When Fast Idle is engaged, the OEM PCM will try to maintain the RPM constant regardless of engine load. There may be some RPM variations observed as loads are increased/decreased.

Lift Operation

The GTWY508 Intelligent Lift Interlock System is a microprocessor based system for controlling wheelchair lift operation. Lift operation will only be allowed when all of the following conditions are met:

- The vehicle is in Park.
- The Park Brake is applied.
- The vehicle ignition is on.
- The lift door is open.
- The Lift inhibit switch (if installed) is not activated.

GTWY508 will not allow the vehicle to be shifted out of Park if the lift door is open, or if the Park Brake is set. GTWY508 does not lock the shifter when the passenger door is open.

The shift lock can also be activated through the 12 Pin connector Pin #10, if the proper configuration is installed.

If the vehicle has Daytime Running Lights, they will be activated when the Park Brake applied and the Ignition is On.

GTWY508 Operating Instructions (continued)

When the vehicle is first started, or if the key is turned to the "Run" position, the five upper LED's on the display panel will illuminate for 2 seconds as a prove out of the LED's. The lower Icon LED's are backlit and will remain illuminated whenever the Gateway 508 module is awake. The module will stay awake for several minutes after the ignition is turned off. After prove out, the operation of the LED panel is as follows:

Fast Idle indicator - (Tachometer icon) Illuminates green when Fast Idle active.

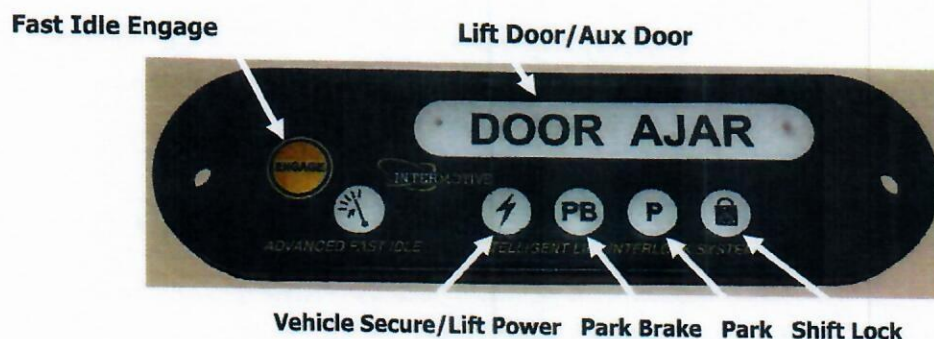
Vehicle Secure/Lift Enable - (Lightening Icon). Illuminates green if the lift is enabled. This means that all conditions for lift operation have been met and the lift has been supplied a Vehicle Secure signal.

Door Ajar - Illuminates in red when the lift door is open.

Park Brake - (PB icon) Illuminates in red when the parking brake is applied.

Park - (P icon) Illuminates in red when the vehicle transmission is in the park range.

Shift Lock - (Lock icon) Illuminates in Red when transmission shifter is locked in Park. This occurs when the lift door is open and/or the Park Brake is applied. It can also be illuminated from an external command through the I/O 4 input at Pin #10 of the 12 pin connector (proper configuration required). If illuminated, the driver will not be allowed to shift out of Park.

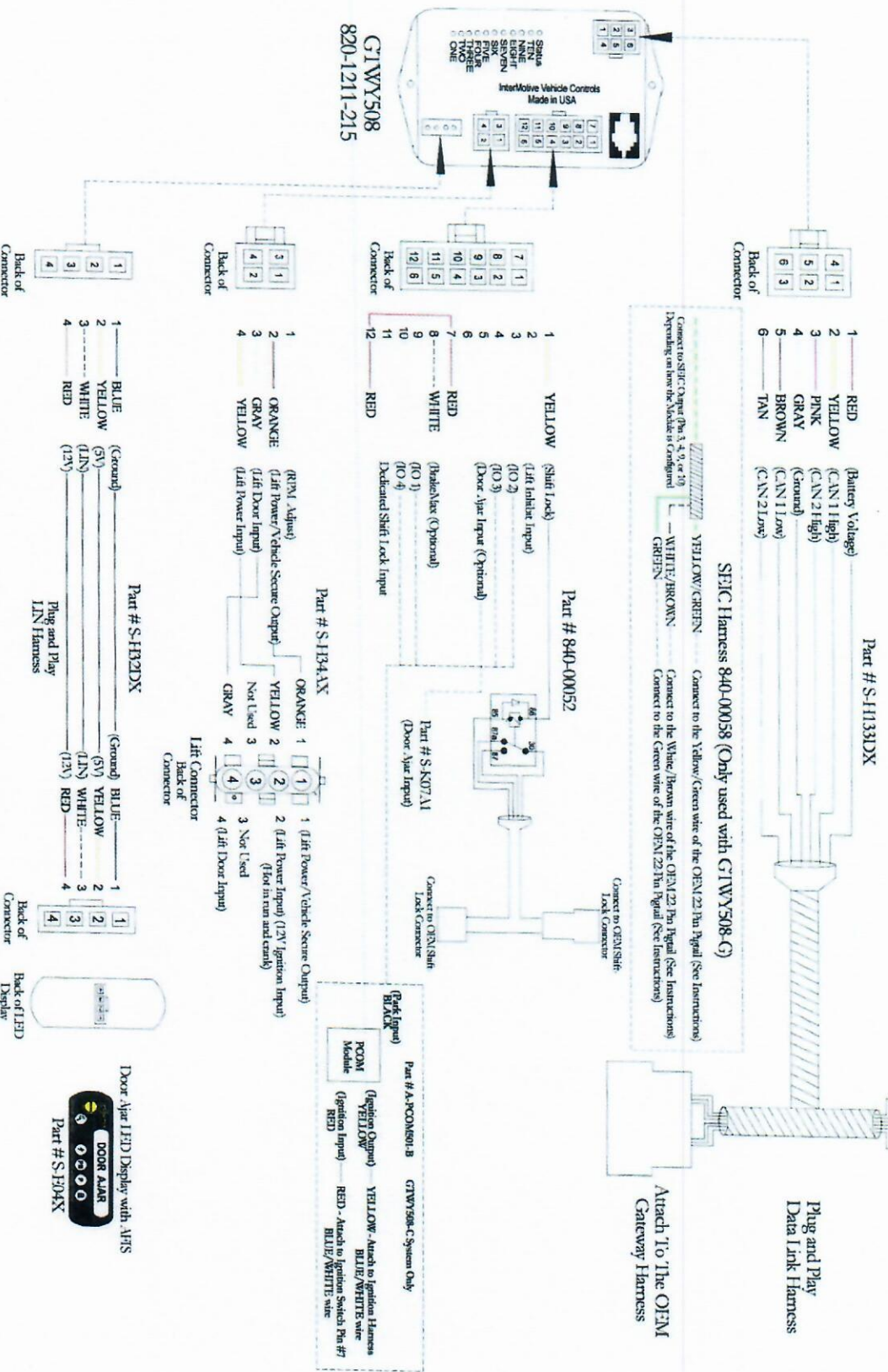


Attach To The Back of
the OEM Gateway Module

Plug and Play
Data Link Harness

Attach To The OEM
Gateway Harness

GTWY508
820-1211-215



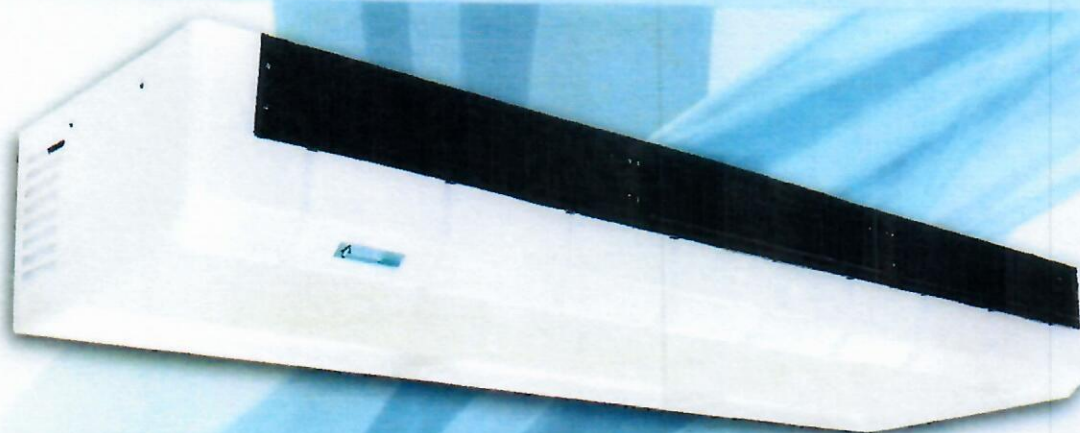
If the GTWY508 fails any step in the Post Installation Test, review the installation instructions and check all connections.
If necessary, call InterMotive Technical Support at (530) 823-1048.



Trans/Air
Manufacturing Corporation

TA77 Evaporator

Industry
exclusive 2
year, unlimited
mileage, limited
warranty



Durable ABS cover with unique drain pan that promotes proper condensate removal (available in white, gray, and spring white)

**A rear mounted
freeblow
evaporator that
can be used as
a tie-in with OEM
components
or as part of a
complete
Trans/Air system**



Enhanced tube
& fin design provides
highest
capacity



Heavy Duty galvanized
steel enclosure for reduced
air leakage and maximum
durability



Blower assemblies come equipped
with larger blower wheels for maximum
air flow and motors utilize custom
wound armatures for lower current
draw and greater efficiency



4 Ton externally equalized,
thermostatic expansion valves that
precisely control refrigerant and prevent
liquid slugging to the compressor(s)
or starved evaporator(s)



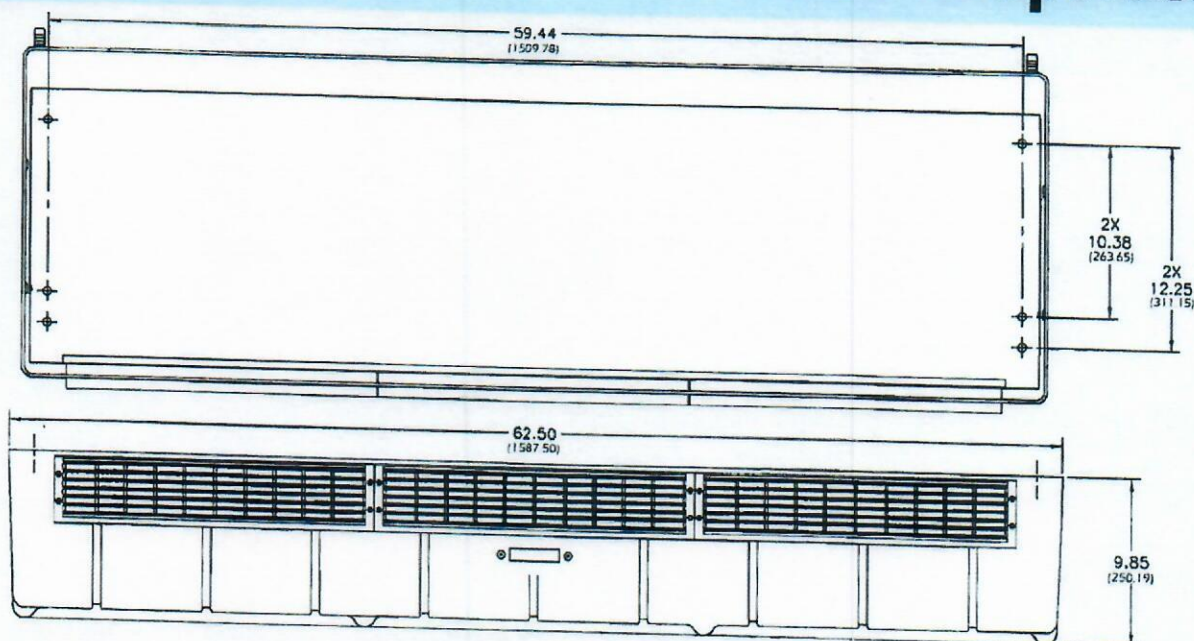
School & Commercial Bus Climate Control Design | Manufacture | Install | Service

Trans/Air Manufacturing Corporation is an ISO 9001 registered firm committed to providing world class climate control products and services to the bus and commercial vehicle markets.



FM 39947

TA77 Evaporator



General

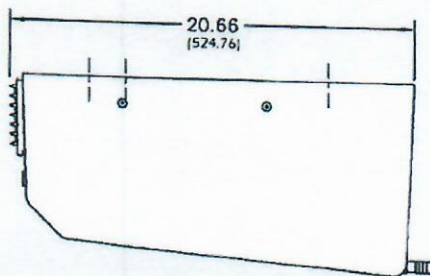
- Freeblow air distribution
- Weight lb (kg): 100 (45)
- Box Size in (mm): 66 x 20 x 16 (1676 x 508 x 406)
- Cube ft³ (m³): 12.22 (.34)

Cooling Capacity

- BTU/hr: 57,458 (SAE) to 96,826 (IMACA) *

Heating Capacity

- BTU/hr: 67,374 (Actual capacity varies based on engine operating temperature and hot water flow rate)



Cover

- ABS cover
- Integral drain pan
- (3) Multi-directional louvers
- Washable / reusable filter
- (2) 5/8 in ID drain hoses

Blower Assemblies

- (6) 4.5 in diameter blower wheels
- Amperage draw: 20.0 Amps @ 13.5 Vdc (10.0 Amps @ 27 Vdc)
- Total air flow 2220 ft³/min (3772 m³/hr) @ 0 static
- (3) Double shafted, single speed, permanent magnet motors

Evaporator Coil

- (2) Coils
- Each coil face area in² (cm²): 204 (1316)
- 3/8 in enhanced copper tubing
- Fins: 0.006 in raised lance, 10 FPI
- (3) Row

Electrical

- Color coded in fire retardant loom
- Low and high pressure switches

Expansion Valve

- (2) 4 Ton externally equalized thermostatic type

Available Options

- Metal cover for use with OEM installation
- Heat coil used with positive isolator valve. Isolator valve and heater hose not included.
- Coil corrosion protection

Warranty

- 2 year unlimited mileage limited warranty within the continental U.S. and Canada. Terms of Trans/Air's domestic and export warranty policies are available upon request.

* Actual BTU/hr is dependant on system combination and rating conditions used

- Specifications subject to change without notice
- All measurements in standard (metric)
- Contact Trans/Air for more information



Trans/Air
Manufacturing Corporation

SMC Condensers

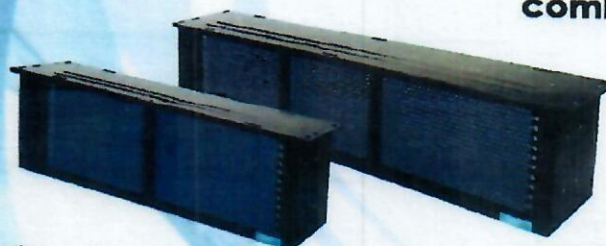
Industry
exclusive 2
year, unlimited
mileage, limited
warranty

**SMC3L
& SMC2S
microchannel
skirt mounted
condensers
that can be
used with
almost every
standard
Trans/Air
evaporator/
compressor
combination**

Constructed of
corrosion-resistant,
powder-coated,
galvannealed steel



Lightweight
microchannel coils
increase condenser efficiency and
require less refrigerant



Flexible mounting pattern
(optional channels available
that attach condenser to
vehicle stringer in lieu of
standard floor mounting)

Optional non-powder
coated screens, stacking
kits, and winter cover kits



24 cubic inch filter drier with sight glass
mounted in the rear for easy serviceability



10" weather-proof condenser
fans provide maximum air flow

School & Commercial Bus Climate Control Design | Manufacture | Install | Service

8/31/11 JP

Trans/Air Manufacturing Corporation is an ISO 9001 registered firm committed to providing world class climate control products and services to the bus and commercial vehicle markets.





Trans/Air
Manufacturing Corporation

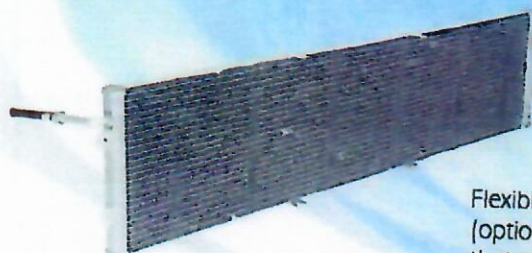
SMC Condensers

Industry
exclusive 2
year, unlimited
mileage, limited
warranty

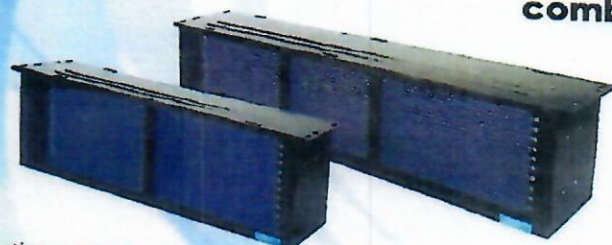
**SMC3L
& SMC2S
microchannel
skirt mounted
condensers
that can be
used with
almost every
standard
Trans/Air
evaporator/
compressor
combination**



Constructed of
corrosion-resistant,
powder-coated,
galvannealed steel



Lightweight
microchannel coils
increase condenser efficiency and
require less refrigerant



Flexible mounting pattern
(optional channels available
that attach condenser to
vehicle stringer in lieu of
standard floor mounting)

Optional non-powder
coated screens, stacking
kits, and winter cover kits



24 cubic inch filter drier with sight glass
mounted in the rear for easy serviceability



10" weather-proof condenser
fans provide maximum air flow

School & Commercial Bus Climate Control Design | Manufacture | Install | Service

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FM 39947

¹ = TA77 INDEPENDENT OF OEM DASH A/C W/LARGER COMPRESSOR
**RECOMMENDED BY A/C MFR

¹ TA773 SUPER 13 FORD 7.3 LITRE PREMIUM GAS ENGINE

05	10479		1
			1

Comprised of 13 CID additional compressor, TA && evaporator and 3 fan skirt condenser

Ford OEM dash heat and AC nominally rated at additional 18K BTU's supplied by Ford fed coolant and a an OEM compressor. See pic below and attached spec sheets for TransAir TA733 system



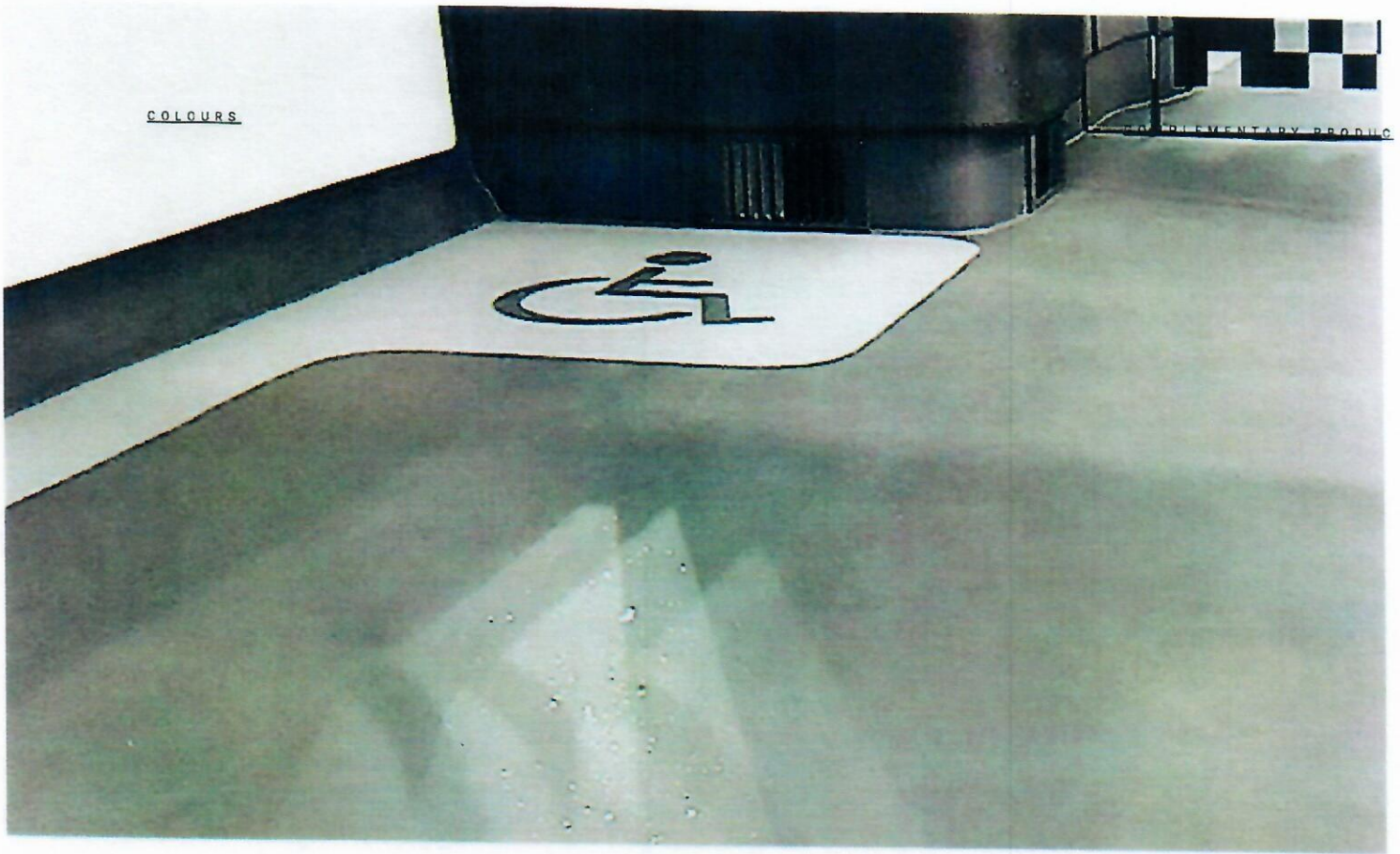
DESCRIPTION

Backing			NT
Thickness	ISO 24 346	mm	2.25 ± 0.15
Weight	ISO 23 997	kg/m ²	2.20 ± 0.15
Roll width		cm	200 (-0 +1)
Roll length		lm	24

PERFORMANCE

Dimensional stability	ISO 23 999 ASTM D 1204	%	≤ 0.2
Abrasion resistance	TABER ISO 9352	mg	300 ± 50
Slip resistance	DIN 51130		R10
Indentation test	ISO 24 343-1	mm	≤ 0.2
Low temperature resistance	D 42 1235 A	°C	- 20
Phonic insulation	ISO 717/2	dB	ΔI = 5
Colour fastness	ISO 105 B02 ISO 4582/80 ASTM D 4459		≥ 7
Fire resistance	ISO 3795/76	mm/mn	0
	FMVSS 302		Conform
	ASTM E648	W/cm ²	(CRF) > 0.50
	95/28/CE		Conform
	R118		Conform
Resistance to chemicals	ISO 26 987	-	Unaffected by diluted acids and bases Unaffected by domestic products (excluding solvents for plasticized PVC)

COLOURS



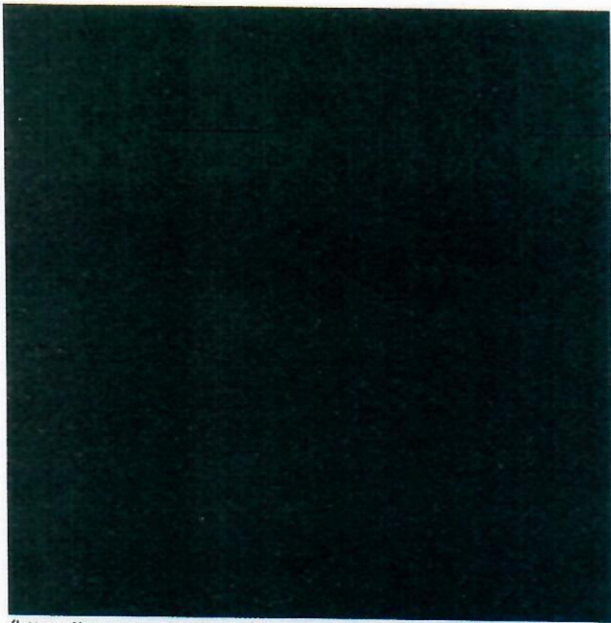
Description

High performance floor covering designed for high traffic.

- Glass fiber web : dimensional stability
- Textile backing : gluing capabilities
- Emboss : antisliding
- Compact Wear layer : durability, easy maintenance
- Silicon carbide particles : maximum durability and antisliding, aesthetic
- **Weight reduction** (<https://www.tarabusbygerflor.com/media/25-tarabus/documents/tarabus-light-annonce.pdf>) for Sirius NT : Fuel Savings / Lower CO² emissions

Select a colour

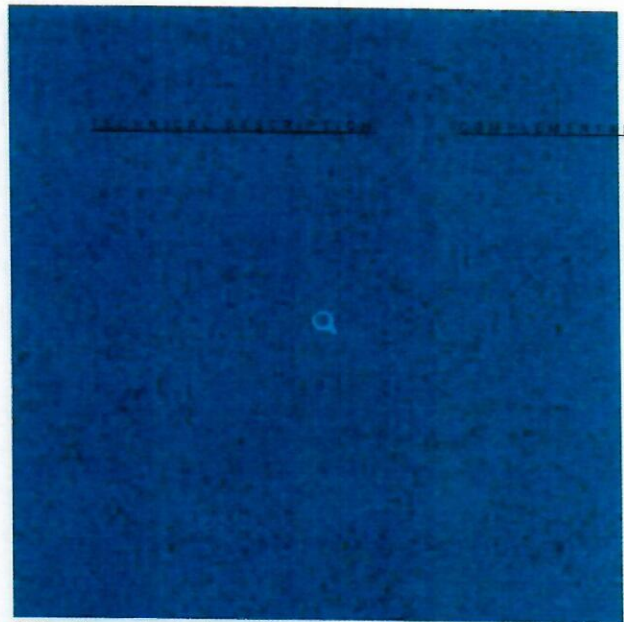
SIRIUS



NTS

(https://www.tarabusbygerflor.com/products/color/400127503.html?color_product_id=400148452)

6727 Anthracite NT/MK



www.tarabusbygerflor.com

www.tarabusbygerflor.com

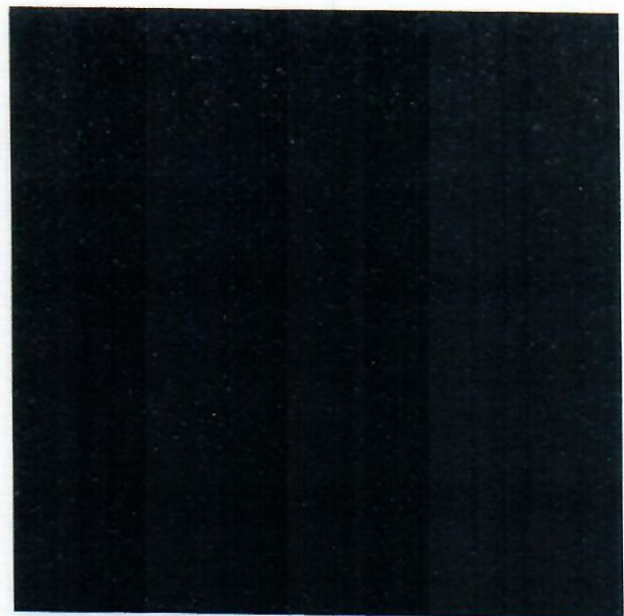
(https://www.tarabusbygerflor.com/products/color/400127535.html?color_product_id=400148449)

6451 Corsaire NT



(https://www.tarabusbygerflor.com/products/color/400127551.html?color_product_id=400148453)

6782 Dune NT/MK



(https://www.tarabusbygerflor.com/products/color/400127648.html?color_product_id=400148451)

6801 Graphite NT

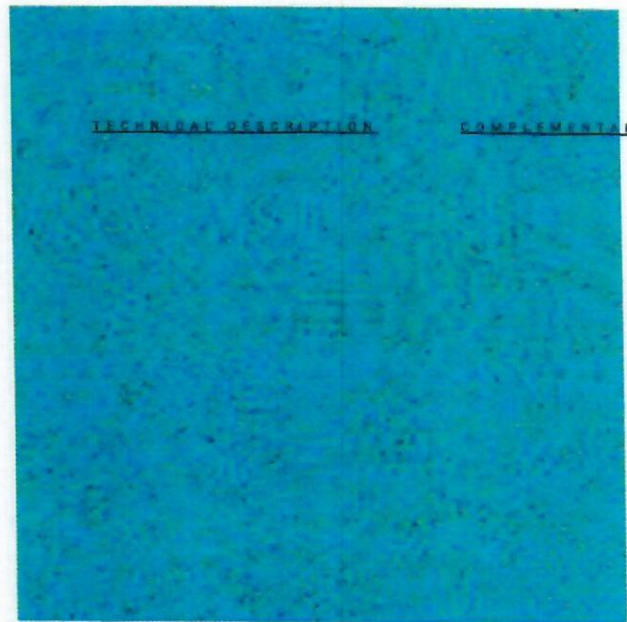


C O L O U R S

D O C U M E N T S

(https://www.tarabusbygerflor.com/products/color/400127656.html?color_product_id=400148454)

6768 Griffon NT/MK

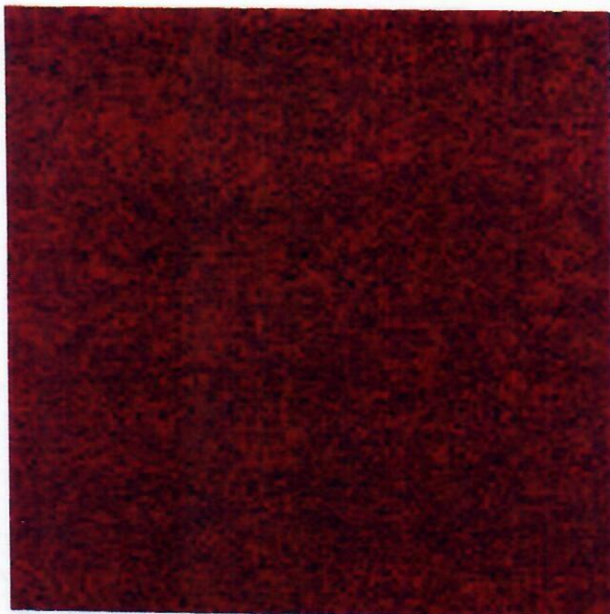


T E C H N I C A L D E S C R I P T I O N

C O M P L E M E N T A R Y P R O D U C T S

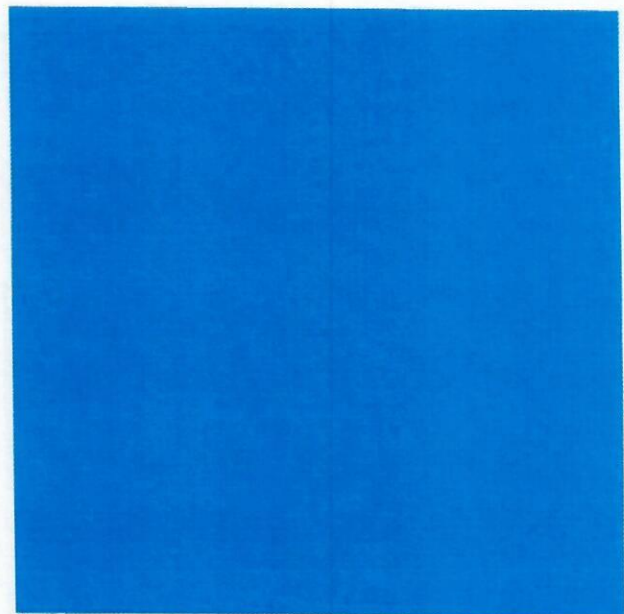
(https://www.tarabusbygerflor.com/products/color/400127709.html?color_product_id=400148450)

6434 Light Blue NT



(https://www.tarabusbygerflor.com/products/color/400127887.html?color_product_id=400148448)

6132 Rubis NT



(https://www.tarabusbygerflor.com/products/color/400127953.html?color_product_id=400148447)

4461 Seram NT

Documents

Cards & guides

Tarabus - card





COLOURS

DOCUMENTS

TECHNICAL DESCRIPTION

COMPLEMENTARY PRODUCTS

Gerflor

(https://it2v7.interactiv-doc.fr/html/gerflor-tarabus-card_pdf_348)



Tarabus - cleaning guide

3.76 Mo



Gerflor

(<https://www.tarabusbygerflor.com/media/25-tarabus/documents/tarabus-cleaning-guide.pdf>)

Technical datasheet

Tarabus Sirius - Technical datasheet

184 Ko



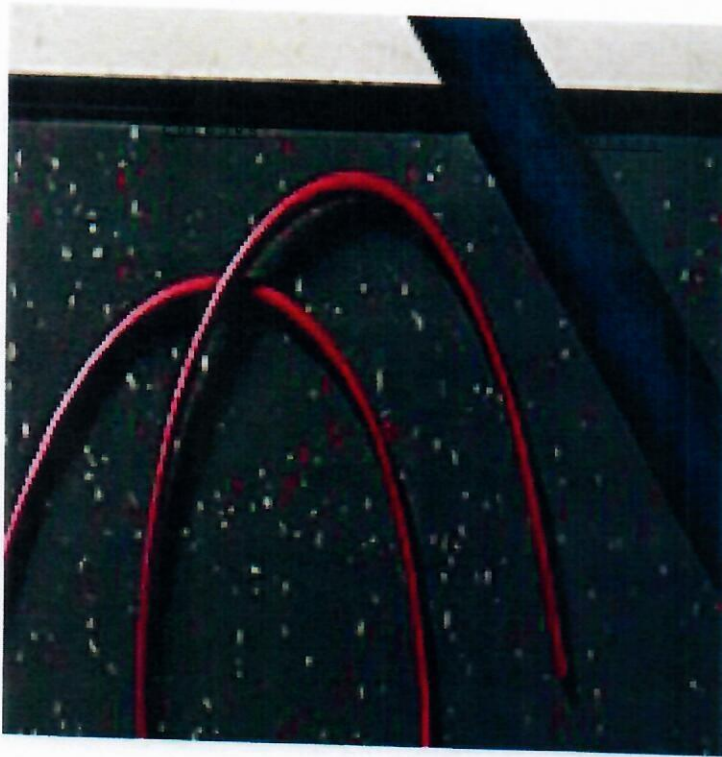
(<https://www.tarabusbygerflor.com/media/25-tarabus/ft/gerflor-tech-datasheet-tarabus-sirius.pdf>)

Product construction

- 1 - Wear layer: Durability, easy maintenance
- 2 - Emboss: Antisliding
- 3 - Anti slip particles: Maximum durability, antisliding
- 4 - Glass fiber web: Dimensional stability
- 5 - Backing layer
- 6 - Textile backing: Gluing capabilities

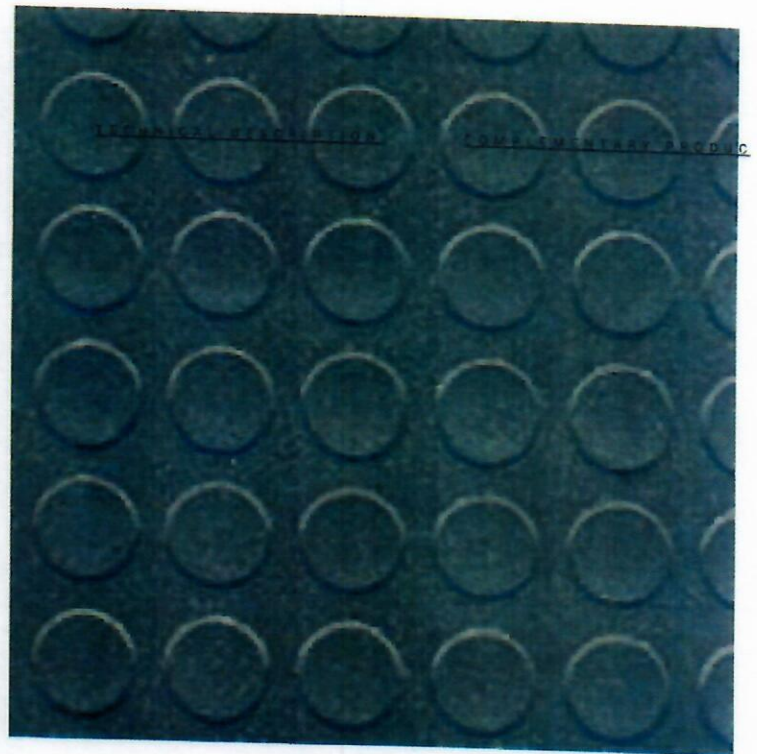
Complementary products

In addition to the product Sirius, we also recommend you to take a look at the complementary products



Welding rods

(<https://www.tarabusbygerflor.com/products/products-list/welding-rods.html>)



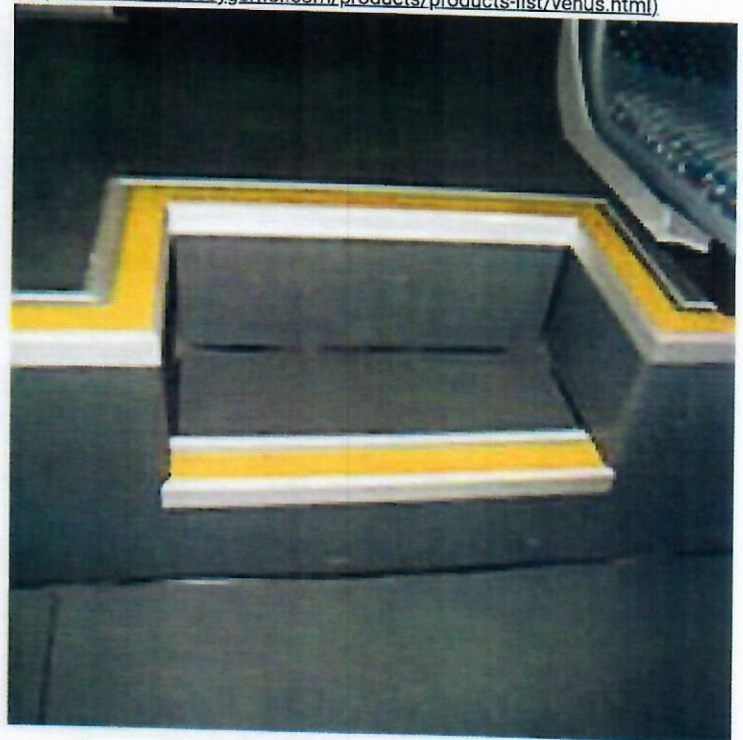
Venus

(<https://www.tarabusbygerflor.com/products/products-list/venus.html>)



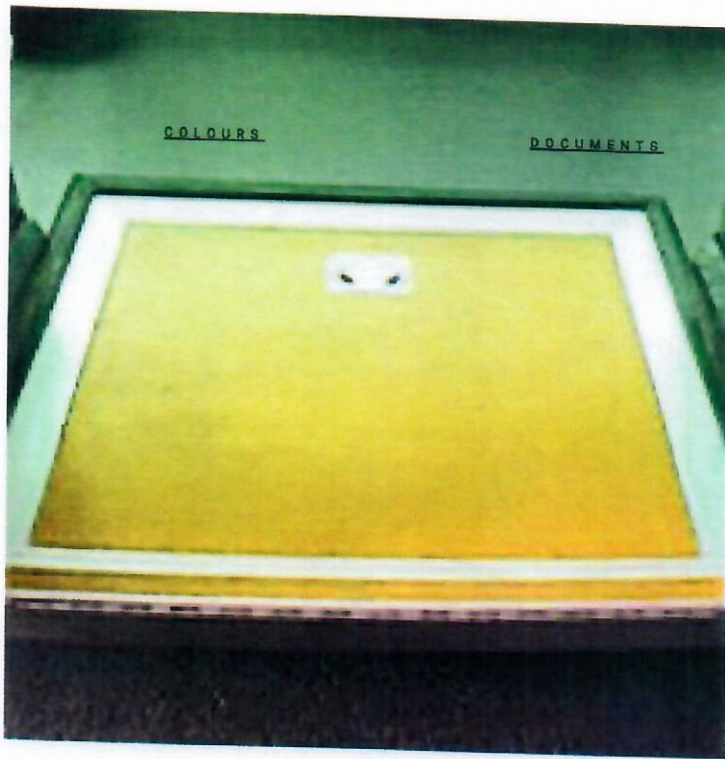
TARABUS Logo

(<https://www.tarabusbygerflor.com/products/products-list/tarabus-logo.html>)



Stepbus

(<https://www.tarabusbygerflor.com/products/products-list/stepbus.html>)



COLOURS

DOCUMENTS

TECHNICAL DESCRIPTION

COMPLEMENTARY PRODUCT

Safebus

(<https://www.tarabusbygerflor.com/products/products-list/safebus.html>)

Gerflor

the flooring group

(<https://www.tarabusbygerflor.com/>)

Gerflor Group designs & manufactures innovative, decorative and sustainable flooring solutions for all types of applications. As the leader in floorcoverings for bus & coach, Gerflor has been providing the ground transportation industry with high quality flooring solutions and service for over 60 years. Our Tarabus floorings are specially engineered for passenger vehicles, they offer outstanding durability and slip resistance properties.

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TARABUS

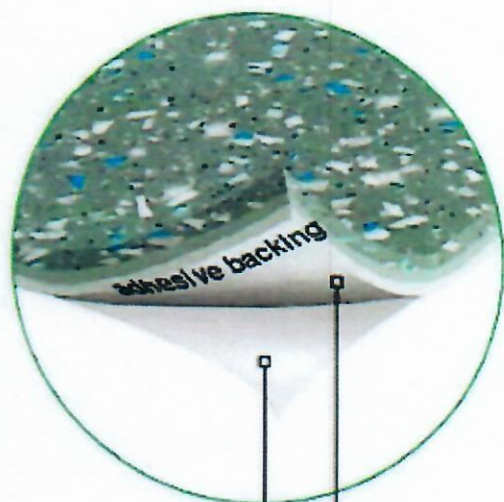
Self-Adhesive

- Ready to bond • No curing time
- Safer work conditions • Easy to use

- Prêt à coller • Pas de temps de gommage
- Conditions de travail plus saines • Facile à utiliser

- Fertig zum Verkleben • Keine Trocknungszeit
- Sicherere Arbeitsbedingungen • Einfach anzuwenden

- Listo para pegar • Sin tiempo de curado
- Mas seguridad en el trabajo • Facil de utilizar



Protective layer
Film protecteur
Schutzfolie
Papel de protección

Acrylic Adhesive layer
Film adhésif acrylique
Acryl Klebefolie
Adhesivo acrílico

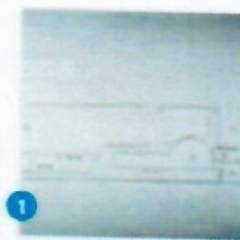
K_{int} System

- Ready to fit • Minimised wastage
- Precise dimensions • Easy to use

- Prêt à installer • Déchets minima
- Découpes précises • Facile à utiliser

- Fertig zum Verlegen • Geringfügiger Verschleiß
- Genaue Abmessungen • Einfach anzuwenden

- Listo para instalar • Minimización del desperdicio
- Dimensiones exactas • Fácil de utilizar



1

Send us your cutting layout
Envoyez-nous vos plans de découpe
Schicken Sie uns Ihre Zuschnittsmuster zu
Envoyez le plan de coupe



2

We cut with high precision
Nous découpons avec précision
Wir schneiden präzise zu
Coutons avec précision



3

We weld carefully
Nous soudons avec soin
Wir schweißen sehr sorgfältig
Soldamos con mucho cuidado

Back WELDING

for Tarabus NT

• Aesthetics

The welded seam is no longer visible

• Easy to clean

No trap for dirt

• Durability

The welded seam is no longer exposed to foot traffic

• Estética

El cordón de soldadura ya no es visible

• Facilidad de limpieza

No quedan puntos de acumulación de suciedad

• Durabilidad

La soldadura ya no queda expuesta al tránsito



• Esthétique

Le cordon de soudure n'est plus visible

• Facilité d'entretien

Pas de points d'encrassement

• Durabilité

La soudure n'est plus soumise au trafic

• Ästhetik

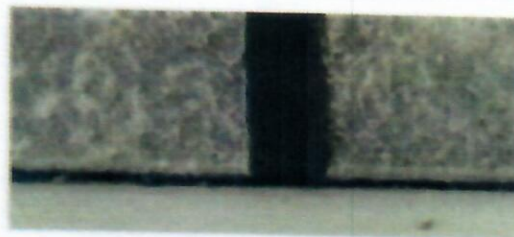
Die Schweißnaht ist nicht mehr sichtbar

• Erleichtert die Wartung

Keine Verschmutzung im Bereich der Schweißnaht

• Langlebigkeit

Die Schweißnaht wird nicht mehr direkt durch Abnutzung beeinflusst



FEATHER WEIGHT

**MID-HI SEAT
"ROCK SOLID"**



Sustainable Seating Solutions

Freedman Seating Company's Feather Weight seats are designed to be like feathers on a bird: light and airy to satisfy weight restrictions and ensure a smooth ride, yet durable for years of service and low maintenance.

Freedman Seating Feather Weight seats are the most severely tested in the company's history, and meet all applicable federal motor vehicle safety standards for strength and safety (including 210 for seat belts).

Less weight means one thing to bus builders and operators: they can get more passengers per bus.

And when we say more passengers, ***we mean more happy passengers.***



Not Just Seats



Seating Solutions™

THE FEATHER WEIGHT SERIES BY

FREEDMAN

SEATING COMPANY

an ISO 9001:2000 certified company

FEATHER WEIGHT

MID-HI SEAT "ROCK SOLID"



Sustainable Seating Solutions

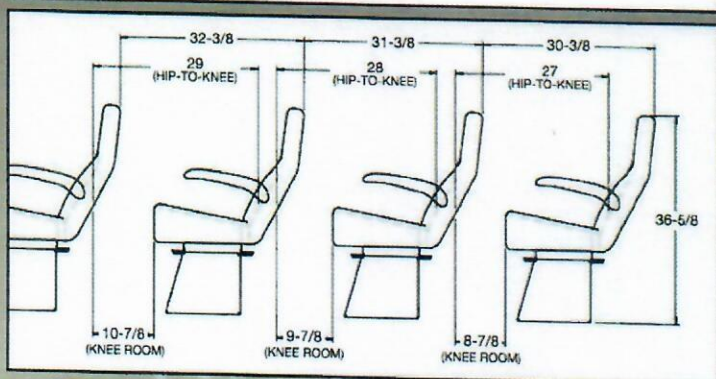
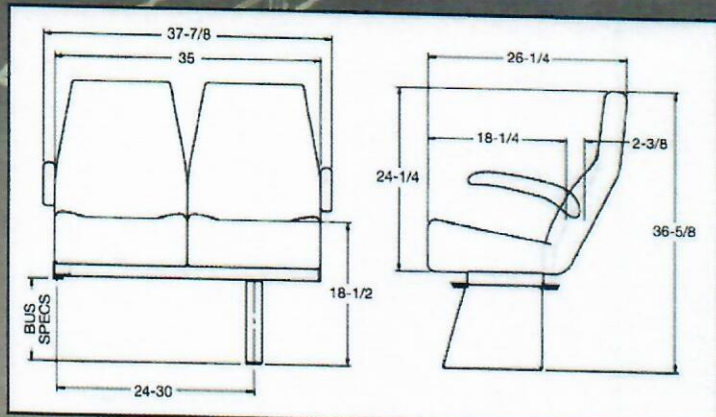
Whether your bus is for tour/charter, para-transit, or shuttle, Feather Weight Mid-Hi works for you. Optional adjustable headrests and reclining back-rests give you luxuries for long journeys, while grab rails and ABS plastic backs provide the function and safety required for shorter trips. The ultra-thin backrest gives outstanding support and creates more hip-to-knee room than any other seat in its class. The steel frame system meets or exceeds all applicable government standards for safety and durability. And, it's light as a feather!

Feather Weight Mid-Hi features include:

- An ultra-thin *Knee-Saver* type backrest for added hip-to-knee room and lumbar support
- Molded polyurethane seat and back cushions for comfort and long lasting support
- 17½" wide seat cushions
- 22½" back height off the seat cushion, 37" off the floor
- Wire mesh-grid seat springs for even support
- FMVSS 210 compliance—all *Feather Weight* seats are seat belt ready
- Transit style—rigid backrests (starting weight without options—43 lbs.)
- Touring style—reclining backrests (starting weight without options—47 lbs.)
- Covers that can be removed and replaced easily and without the use of special tools

Feather Weight Mid-Hi options include:

- Black molded *U.S. Arms* or upholstered flip-up armrests
- Adjustable headrests
- Black or yellow corner AV grab rails
- Black or yellow top AV grab rails
- ABS plastic backs
- Mesh map pockets
- Vertical stitching
- FTA foam
- Snack trays
- Aluminum folding footrests
- Pillow seat cushions
- Rear row quick disconnect
- Side sliders
- 16", 18" or 19" wide seats available
- Rigid or reclining backrests
- Seat belts
 - Non-retracting seat belts
 - Retracting seat belts
 - USR (Under Seat Retractors)
- S3 Bio-Cushions (Made with vegetable oil)
- A wide variety of cloths and vinyls
- S3 cloths (Made with recycled yarn)



OPTIONS



PILLOW SEAT



SNACK TRAY



FOOTREST

Not Just Seats



Seating Solutions™

FREEDMAN

SEATING COMPANY

an ISO 9001:2000 certified company

4545 W. Augusta Blvd., Chicago, IL 60651
(773) 524-2440 (800) 443-4540 Fax (773) 252-7450

e-mail: sales@freedmanseat.com

WWW.FREEDMANSEATING.COM

We are constantly updating and improving our seats; therefore we reserve the right to change or modify specifications or materials without notice. All Freedman Seating Company seats meet or exceed FMVSS standards.

ISO 9001:2000 registered

FEATHER WEIGHT

FOLDAWAY BV & AM STYLES

Freedman Seating gives you the largest selection of Foldaways in the industry. Whether you need space for luggage or wheel chairs, we have the right seat. Easy to install and easier to operate, our Foldaways will provide you with miles and miles of happy riders and drivers. Maybe we should say, "smiles and smiles". Freedman Seating, "Not just seats — seating solutions."



Notch-Back, standard Bench-Back and High-Back are shown.

Not Just Seats



THE FEATHER WEIGHT SERIES BY

FREEDMAN

SEATING COMPANY

an ISO 9001:2000 certified company

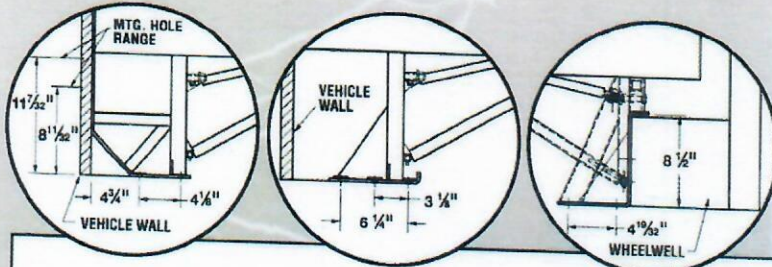
Seating Solutions™

FEATHER WEIGHT

Foldaway BV & AM STYLES

Standard Features:

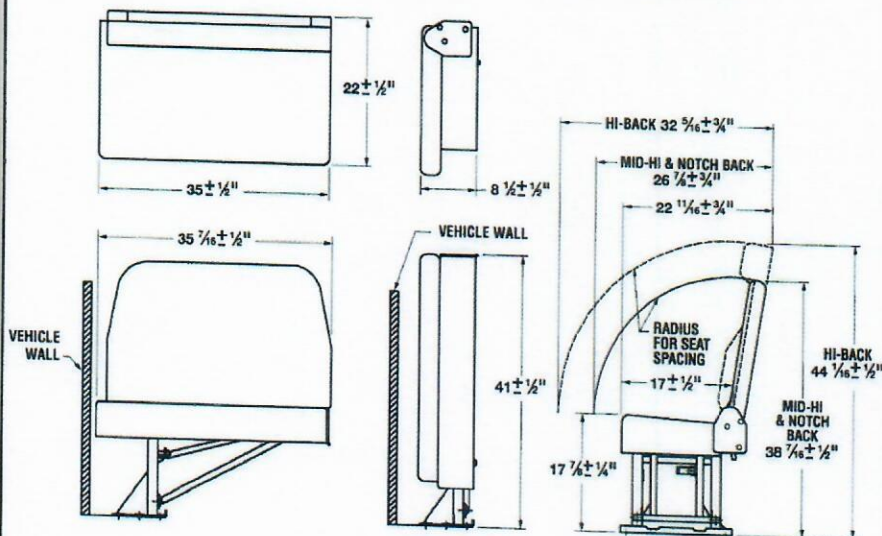
- BV Foldaways mount to the vehicle with four bolts to the floor (no wall mount)
- AM Foldaways mount to the vehicle with four bolts to the floor and two to the wall mount
- Seat belt ready (FMVSS 210 compliant with no leg or tether)
- Ultra-thin backrest for added hip-to-knee room and lumbar support
- High quality molded polyurethane seat and back cushions



AM2 Floor/Wall Mount

BV Floor Mount

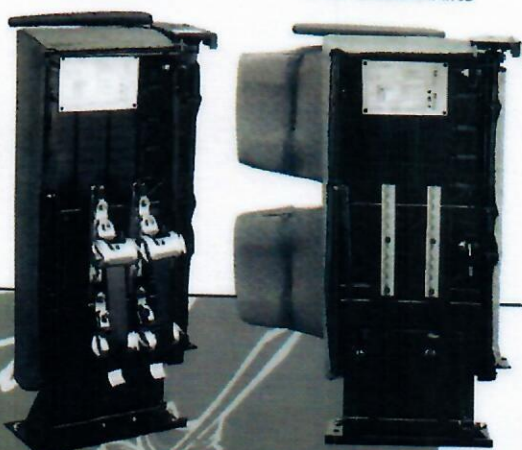
BVWW3 Floor Mount



Corner Grabs

TDSS with belts

TDSS without belts



Belts not included.

- Folds up to less than 10" thick when in the stowed position
- Cantilever design provides reduced installation time; no floor cutting for aisle leg and easy vehicle clean up
- Wire mesh grid seat springs for even support
- 2 locking mechanisms to hold seat in stowed position

Options:

- Single or double seats
- Bench back, notch back or high back
- Wheel well seats
- Wide variety of vinyl's or cloths
- Molded U.S. arms or upholstered arms
- Black or yellow top grabs (not on high backs)
- Black or yellow corner grabs (black side only on high back)
- Vertical stitching
- FTA foam
- ABS backs (Notchback only)
- Adjustable headrests (Single and Notchback only)
- Shrouds to cover the Foldaway when stowed
- USR seat belts (Under Seat Retractors)
- CRS-225 hooks and tethers
- TDSS (Tie Down Storage System)

Not Just Seats



Seating Solutions™

THE FEATHER WEIGHT SERIES BY

FREEDMAN

SEATING COMPANY

an ISO 9001:2000 certified company

4545 W. Augusta Blvd., Chicago, IL 60651
(773) 524-2440 (800) 443-4540 Fax: (773) 252-7450
WWW.FREEDMANSEATING.COM
e-mail: sales@freedmanseat.com

We are constantly updating and improving our seats; therefore we reserve the right to change or modify specifications or materials without notice. All Freedman Seating Company seats meet or exceed FMVS standards.

FREEDMAN SEATING ICS

(Integrated Child Seat)

**KIDS &
SAFETY**

**WHAT COULD
BE MORE
IMPORTANT?**

Also available
the ICS-10,
for children
up to 10 years old.



Not Just Seats



THE FEATHER WEIGHT SERIES BY

FREEDMAN
SEATING COMPANY

Seating Solutions™

FREEDMAN

SEATING ICS

(Integrated Child Seat)

Kids and safety, what could be more important? Nothing!

That's the underlying principle behind the Freedman ICS (Integrated Child Seat) and ICS-10.

The ICS is designed for children from 22-51 lbs. and the ICS-10 can accommodate children up to 10 years old, 22-78 lbs. Both ICS seats are comfortable for adults and safe for children.

A tapered back provides unrestricted viewing for drivers, and best of all, the shoulder belts can be adjusted in seconds without taking the seat apart or clumsy operations.

Standard Features:

- Accommodates children 22-51 lbs. (22-78 lbs for the ICS-10)
- Matching companion seat available
- Fold down tongue can be folded to act as a booster seat
- Easily adjustable shoulder straps
- Standard with FMVSS 213 and 210 seat belt anchorage compliance
- Retrofittable; Fits on most Feather Weight frames!

Options:

- Available in a wide variety of vinyls and cloths
- Upholstered or US Arms
- Adjustable footrests
- Freedman USR (Under Seat Retractor)
- Available as a single or double
- Grab rails

Not Just Seats



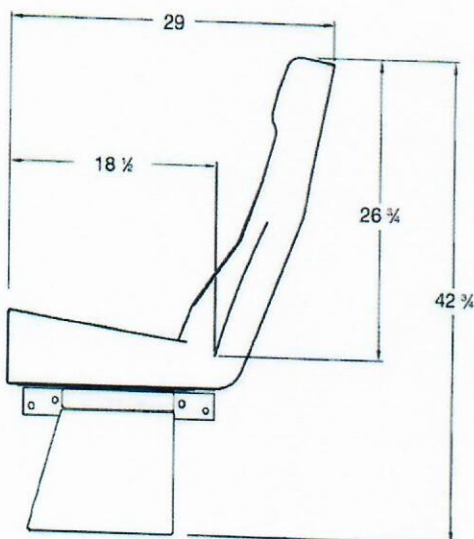
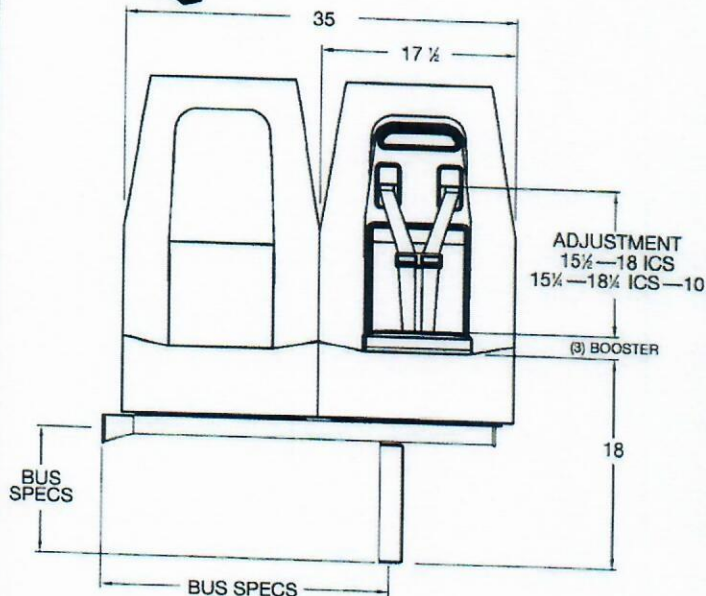
Seating Solutions™

THE FEATHER WEIGHT SERIES BY

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SEATING COMPANY

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(773) 524-2440 (800) 443-4540 Fax (773) 252-7450
WWW.FREEDMANSEATING.COM
e-mail: sales@freedmanseat.com

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AV GRAB RAIL

Black

Part # 55836380



SHIELD DRIVER RECLINER SEAT

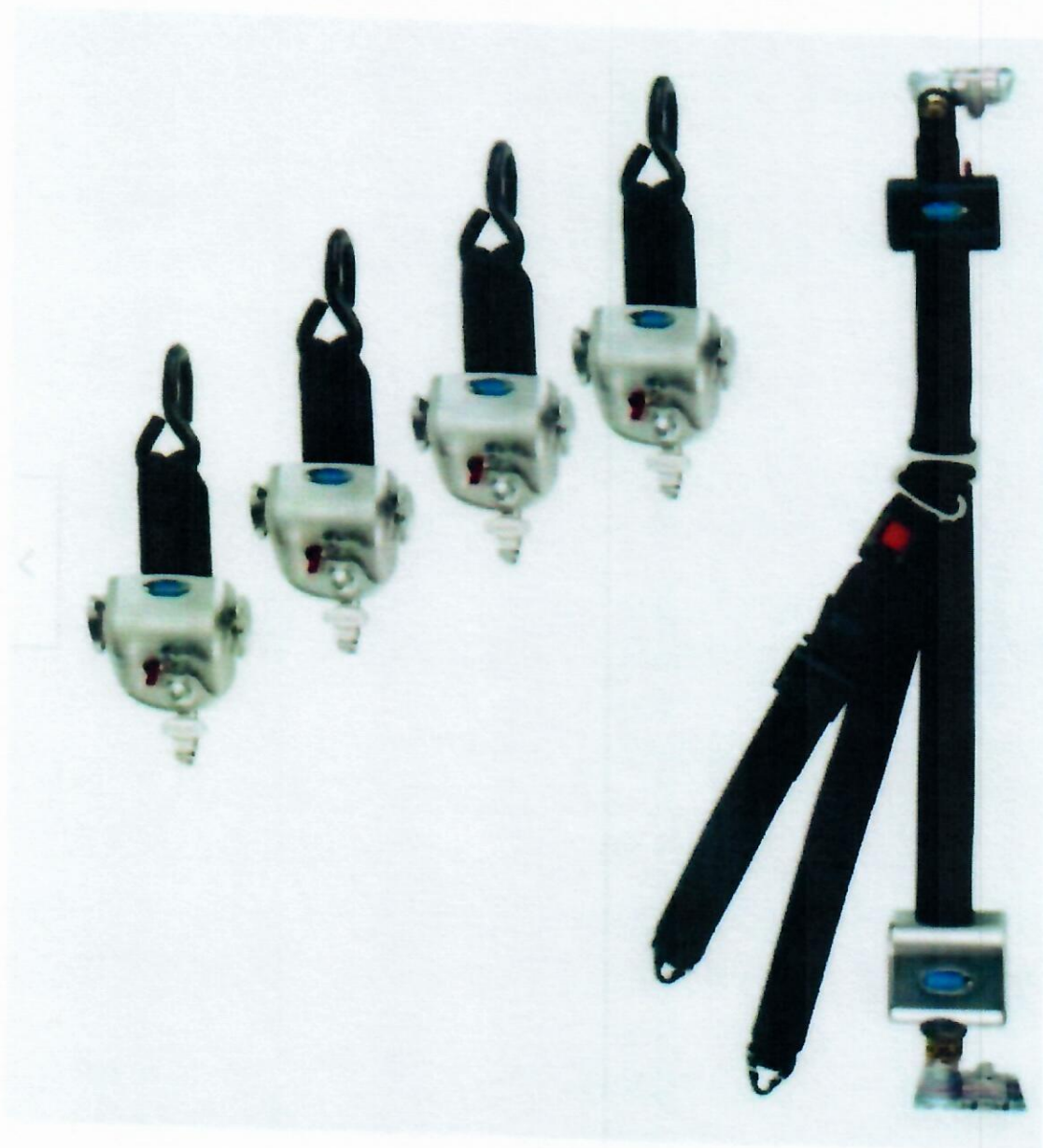
Shield driver seats are designed and tested to meet all applicable safety standards including 202A for superior head and neck support while providing superior comfort and style. The Shield recliner is the preferred driver seat for 2011 and later Ford & Chevy cutaway buses. The Shield recliner mounts directly to the OEM base & slides on seat delete chassis.



4 QRT-360 Retractors with L-Track Fittings and HR131 Retractable Lap & Shoulder

Condition: New

Quantity: More than 10 available



Mobility Aids



General Accessories

Q5-7590



General Accessories

Q5-7580

Rosco offers high serviceability and up to 100 square inches of mirror surface for both transit and school bus applications.



REMOTE-READY REAR VIEW MIRROR SYSTEM

Equally effective on Transit or school bus applications, The American Eagle® offers high performance and serviceability wherever a dual lens, single housing, remote-ready mirror is desired.

A Better Single-Housing Mirror

- Up to 100 sq. Inches Mirror Surface

- Larger Convex View
- Highly Serviceable
- Two Sizes to Choose From
- Convenient Options

Two Size Choices both 15 and 17-inch versions.

Part #	Description
130-10	8x15" Top Mount Black, Non-Heated
130-20	8x15" Top Mount Black, Heated
130-30	8x15" Top Mount Black, Non-Heated, Remote
130-40	8x15" Top Mount Black, Heated, Remote
131-10	8x15" Bottom Mount Black, Non-Heated
131-20	8x15" Bottom Mount Black, Heated
131-30	8x15" Bottom Mount Black, Non-Heated, Remote
131-40	8x15" Bottom Mount Black, Heated, Remote
132-10	8x17" Bottom Mount Black, Non-Heated
132-20	8x17" Bottom Mount Black, Heated
132-30	8x17" Bottom Mount Black, Non-Heated, Remote
132-40	8x17" Bottom Mount Black, Heated, Remote
133-10	8x17" Top Mount Black, Non-Heated
133-20	8x17" Top Mount Black, Heated
133-30	8x17" Top Mount Black, Non-Heated, Remote
133-40	8x17" Top Mount Black, Heated, Remote

TRANSIGN

YOUR DESTINATION BEGINS HERE



The LED Destinator™ Series - perfect for fleets of all types - is available in a variety of sizes and colors to fit your installation and display needs. These versatile and highly adaptive signs offer full integration into Destination, Route, and Next Stop announcement services, always keeping your customers pointed towards their next destination.



STANDARD FEATURES

- Destination Messages
- Next Stop Announcements
- Public Relations Messaging
- Scrolling/Flashing/Stacked Messages

SOFTWARE AND PROGRAMMING

Our signs and control modules are pre-programmed and include FREE software. Advanced controllers are available for J1708/J1587 system integration and Hands-Free operation, ensuring the safest and most reliable performance for any fleet.



AVAILABLE ADVANCED FEATURES INCLUDE:

- Automated GPS message progression
- Hands-Free operation for safety
- Voice Announcements
- J1708/J1587 integration compatible
- Automatic brightness control
- Basic programming software included (USB)
- Maintenance free- ZERO cost of ownership
- Many OCU options to suit your needs



BUY AMERICA - MADE IN U.S.A.

Using the highest quality parts, our LED Destinator™ Signs are proudly made in Detroit, Michigan USA in full compliance with the **Buy America Act**.

LED DESTINATOR™ WARRANTY INFO

With a lifetime warranty that outlasts the lifetime of most vehicles (100,000 hours at full brightness), our signs will exceed your expectations in reliability and performance.



ABOUT TRANSIGN

Established in 1959, Transign is a leading provider of high-quality signage for the transit industry. We remain committed to providing world-class U.S. based customer service and technical support.

Transign LLC, 281 Collier Rd., Auburn Hills, Michigan 48326
Toll Free: 855.535.7446 | Main: 248.623.6400 | Fax: 248.623.2930
www.transignllc.com

Est. 1959

TRAN SIGN

YOUR DESTINATION BEGINS HERE

LED Destinator™ Electronic Signs - Dimensions

Signs	Pixel Count H x W (pixels)	Display H x W (in)	Enclosure H x W x D (in)
LD16160	16 x 160	6 1/2 x 63 1/8	9 1/2 x 64 5/8 x 2 3/8
LD16128	16 x 128	6 1/2 x 50 1/2	9 1/2 x 52 x 2 3/8
LD16112	16 x 112	6 1/2 x 44 1/8	9 1/2 x 45 3/4 x 2 3/8
LD1696	16 x 96	6 1/2 x 37 1/8	9 1/2 x 39 3/8 x 2 3/8
LD1680	16 x 80	6 1/2 x 31 3/8	9 1/2 x 33 x 2 3/8
LD1632	16 x 32	6 1/2 x 12 3/4	9 1/2 x 14 x 2 3/8
LD12112	12 x 112	4 7/8 x 44 1/8	8 x 45 3/4 x 2 3/8
LD1280	12 x 80	4 7/8 x 31 3/8	8 x 33 1/8 x 2 3/8
LD1232	12 x 32	4 3/4 x 12 3/4	8 x 14 x 2 3/8
LD896	8 x 96	3 1/4 x 37 1/8	6 3/8 x 39 3/8 x 2 3/8
LD864	8 x 64	3 1/4 x 25 1/4	6 3/8 x 26 3/4 x 2 3/8

Be sure to check out our other great products!


Stop Request Signs

- Flush, ceiling or surface mount
- Any font/color combination
- Back-lit by efficient LED's


Interior Passenger Information Sign

- Easy to install
- ADA compliant
- LED's rated at 100K hours


Roller Curtain Signs

- High-res logos & graphics
- Perfect for large fleets
- Virtually maintenance free
- Reliable, efficient LED backlight
- Available in 12 and 24 VDC
- Up to 120 destinations


Run Number Box

- Metal or plastic frame
- Available in 2, 3, or 4 digits
- Easy to read 4" lettering
- Spring loaded return
- Reliable, efficient LED backlight
- Virtually maintenance free


LED Run Number Box

- Steel enclosure
- ADA compliant
- Reliable LED's
- Multiple colors
- Automatic brightness
- 12 and 24 VDC

Join Our Mailing List

www.transignllc.com/subscribe

Transign LLC, 281 Collier Rd., Auburn Hills, Michigan 48326
 Toll Free: 855.535.7446 | Main: 248.623.6400 | Fax: 248.623.2930
www.transignllc.com

Stop Request components assembled by Forest River and covered under their 3 year 36000 mile warranty

Includes:

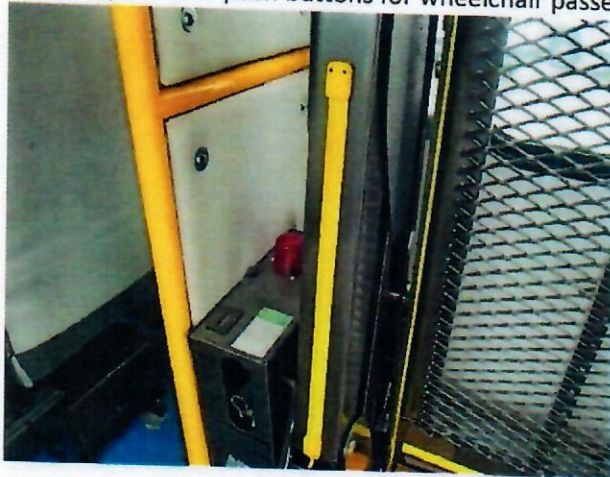
1. Sign mounted at front header



2. Request cabling for ambulatory passengers



3. Touch tape and or push buttons for wheelchair passengers



PA compatible with JensenD1130 radio that was previously documented

Jensen JHD1130 AM/FM/RBDS/WB Radio With Clock & 4 Speakers

JPA600 PA System w/ Hand Held Mic & Clip Integrated with JHD1130 Radio

Fare box provision includes Forest river installed:

- Additional stanchion connecting to driver's modesty behind right hand shoulder of driver and a power and ground wire to allow for fare boxes with illumination lighting to be easily wired by agency

Radio install prep includes forest River installed:

- Ground Plane on roof for antennae mounting, pull cord and channel for routing cabling, ground wire, Constant power and ignition power all coiled behind drive left should at ground level for agency install

Strobe light

- See literature next page

Dual Purpose safety vent by Safe Fleet

The Safe Fleet – Transpec family of ventilators and escape hatches – designed to meet the wide-ranging needs of today's transit fleet.



Dual Purpose Safety Vent

The Dual Purpose Safety Vent is a combination roof ventilator/emergency exit that provides 5-position, fresh air ventilation and a simple release handle for emergency exit.

- Multi position fresh air vent
- Emergency exit
- Most popular model



LED Strobe Light

Enhanced Bus Visibility



Provides more down angle light to gain attention of pedestrians and motorists



4" model shown

- Exceeds SAE J845 Class II rating
- Same hole pattern as Specialty Manufacturing's 515 model
- Composite base with rubber gasket adapts to various mounting surfaces



Safety

Significantly improves vehicle visibility in any light conditions



Down Beam

Optical design provides more down angle light to gain attention of pedestrians and motorists



Extreme Temp

Certified operation between -30°F and 130°F



Adaptable

Composite base with rubber gasket adapts to various roof surfaces



Maintenance

LED tower and circuit board are field replaceable for simplified maintenance



Shock and Vibration

Rough roads, potholes, and day-to-day jarring are no match for the solid state electronics. Tested to SAE J845/575 standards



Moisture

Water resistant design exceeds SAE J845/575



Warranty

5 year warranty provided as standard offering

SAFE  FLEET
Driving Safety Forward™

LED Strobe Light

The Specialty Difference

OPTICAL POWER

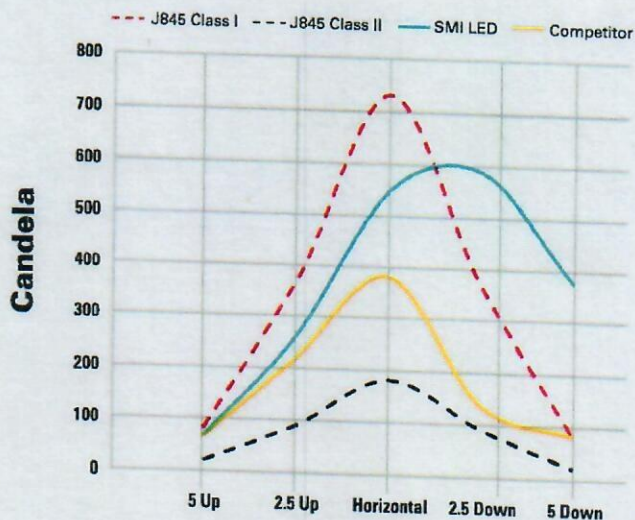


Optical Power is part of SAE J845. The purpose of this graph is to show the total energy emitted in a given length of time.



New Low profile LED Strobe

PEAK INTENSITY



This graph illustrates how the Specialty LED Strobe outperforms the leading competitor + SAE J845 requirements.

The optical design of the Specialty strobe provides 4x's more down angle light than the competitive solution which enhances bus visibility to motorists and pedestrians. It provides nearly 5x's more down angle light than SAE J845 requirements for Class II strobes.



1269-Strobe-Light-BR-SB-021522

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1.877.630.7366
safefleet.net

SAFE FLEET
Driving Safety Forward™



VX5AI

MDVR

Vulcan™ Series VX5AI MDVR

The five-channel VX5AI is ideal for smaller buses and transport vans and records up to five camera views: four HD channels at D1, 720P or 1080P—plus one IP channel at up to 1080P resolution, for a key location where IP clarity is needed most. Video is stored on a locking hard drive, with a microSD card slot for redundancy.

- 5-channel system
- 4 channels D1, 720P, or up to 1080P + 1 channel IP up to 1080P
- 1TB (standard) 2.5" SATA or solid-state drive, up to 2TB
- microSD card slot for redundant recording
- Five (5) year limited warranty

Storage Compartment – Will either be in front header in conjunction with access to front destination sign or in area above passenger door header. Subject to pre-production review of bus order

Training – Fully understand that award of this contract obligates bidder to fully participate in annual training events for both transit agencies and 53-10 agencies. Generally these are held at two or three locations around the state.

Overhead luggage rack – See picture below



FEATHER WEIGHT

HIGH-BACK SEAT

Freedman Seating Company's Feather Weight seats are designed to be like feathers on a bird: light and airy to satisfy weight restrictions and ensure a smooth ride, yet durable for years of service and low maintenance.

Freedman Seating Feather Weight seats are the most severely tested in the company's history, and meet all applicable federal motor vehicle safety standards for strength and safety (including 210 for seat belts). Less weight means one thing to bus builders and operators: they can get more passengers per bus. And when we say more passengers, ***we mean more happy passengers.***



Not Just Seats



THE FEATHER WEIGHT SERIES BY

FREEDMAN
SEATING COMPANY

Seating Solutions™

FEATHER WEIGHT

HIGH-BACK SEAT

Cross-country or cross-town, the Freedman Feather Weight High-Back gets you there in safety and comfort. The headrest actually cradles your head, and provides unrestricted viewing. The ultra-thin backrest gives out-standing support and creates more hip-to-knee room than any other seat in its class. The steel frame system meets or exceeds all applicable government standards for safety and durability. And, it's light as a feather!

Feather Weight High-Back features include:

- An ultra-thin *Knee-Saver* type backrest for added hip-to-knee room and lumbar support
- Molded polyurethane seat and back cushions for comfort and long lasting support
- 17½" wide seat cushions
- 27¼" back height off the seat cushion, 42¼" off the floor
- Wire mesh-grid seat springs for even support
- FMVSS 210 compliance—all *Feather Weight* seats are seat belt ready
- Covers that can be removed and replaced easily and without the use of special tools

Feather Weight High-Back options include:

- Black molded U.S. Arms or upholstered flip-up armrests
- Mesh map pockets
- Vertical stitching
- FTA foam
- Snack trays
- Aluminum folding footrests
- Pillow seat cushions
- Pillow headrests
- Side grab rail
- U.S.R.—Under Seat Retractors
- 16" or 19" wide seats available
- Rear row quick disconnect
- CRS-225 hooks and tethers
- Side sliders
- Cup holders
- Seat belt loops

Not Just Seats



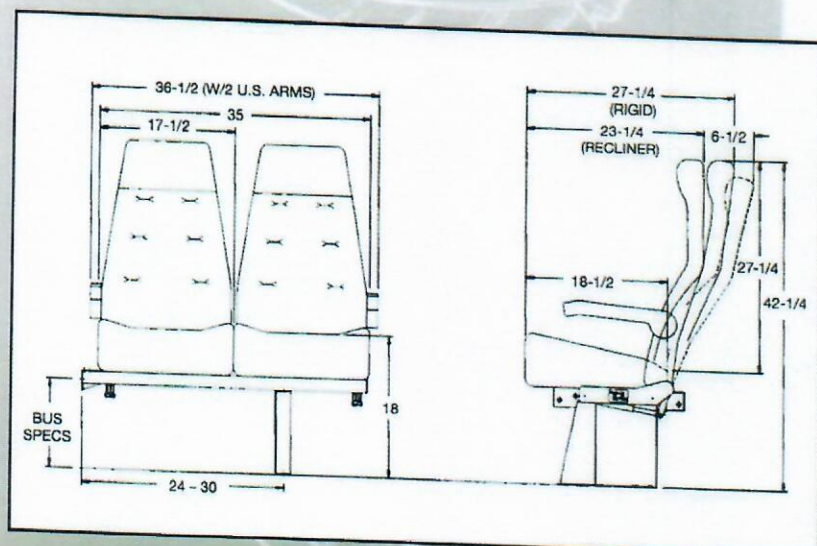
Seating Solutions™

THE FEATHER WEIGHT SERIES BY

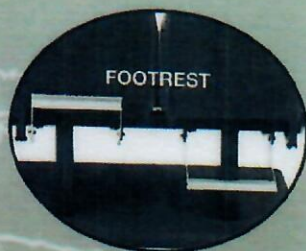
FREEDMAN
SEATING COMPANY

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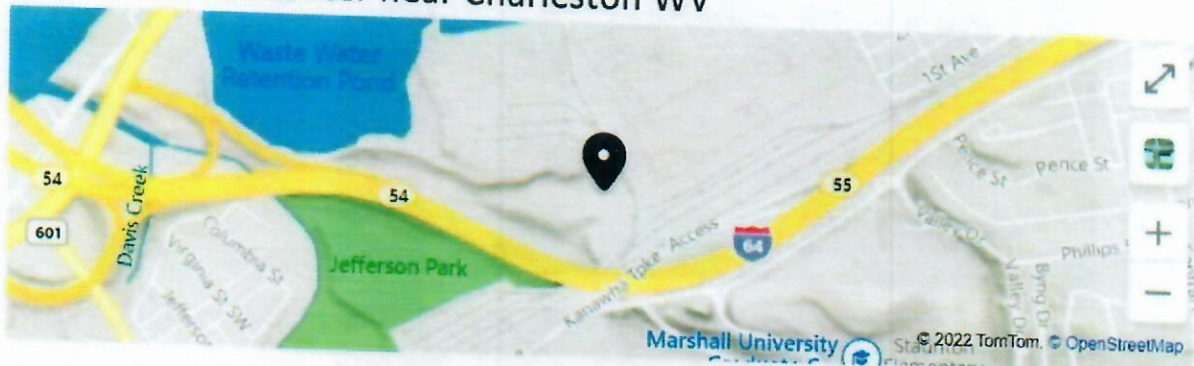


OPTIONS



Warranty providers in West Virginia and nearby locations

1. Fleet Pride PDI center near Charleston WV



FleetPride Parts

branches.fleetpride.com

3204 Maccorkle Ave SW, South Charleston, WV 25303

(304) 746-2000

Closed · Opens tomorrow 7:30 AM ▼

Website

Directions

Contact us

2. Truck Certified Ford Dealers

Jenkins Ford, Inc.

★★★★★ Facebook (201) · Car dealer
8 Billingsley Dr, Buckhannon · (800) 400-7770
Open · Closes 7 PM



WEBSITE



VEHICLES

Jim Robinson Ford

★★★★★ Facebook (84) · Car dealer
95 Robinson Dr, Triadelphia · (304) 232-2400
Open · Closes 7 PM



WEBSITE



VEHICLES

Chenoweth Ford Inc

★★★★★ Facebook (132) · Car dealer, Used car dealer
1564 E Pike St, Clarksburg · (800) 344-1108
Closes in 20 mins



WEBSITE



VEHICLES

Thornhill Ford Lincoln

★★★★★ Facebook (124) · Car dealer
500 Ford Fairlane US-119, Chapmanville · (304) 855-8300
Open · Closes 7 PM



WEBSITE



VEHICLES

Elkins Fordland

★★★★★ Facebook (98) · Used car dealer, Car dealer
696 Beverly Pike, Elkins · (800) 296-2486
Closed · Opens tomorrow 8 AM



WEBSITE



VEHICLES

AC certified

Worldwide Equipment

Ph: 304-736-3401

5650 US Rt 60E

Huntington, WV 25705

All around warranty center for Rohrer Bus near Morgantown WV



Rittenhouse Bus Lines


Bus station




Website



Directions

 31 E End Rd, Smock, PA 15480

 (724) 677-9900

 **Closed** · Opens tomorrow 6 AM ▼

AC certified

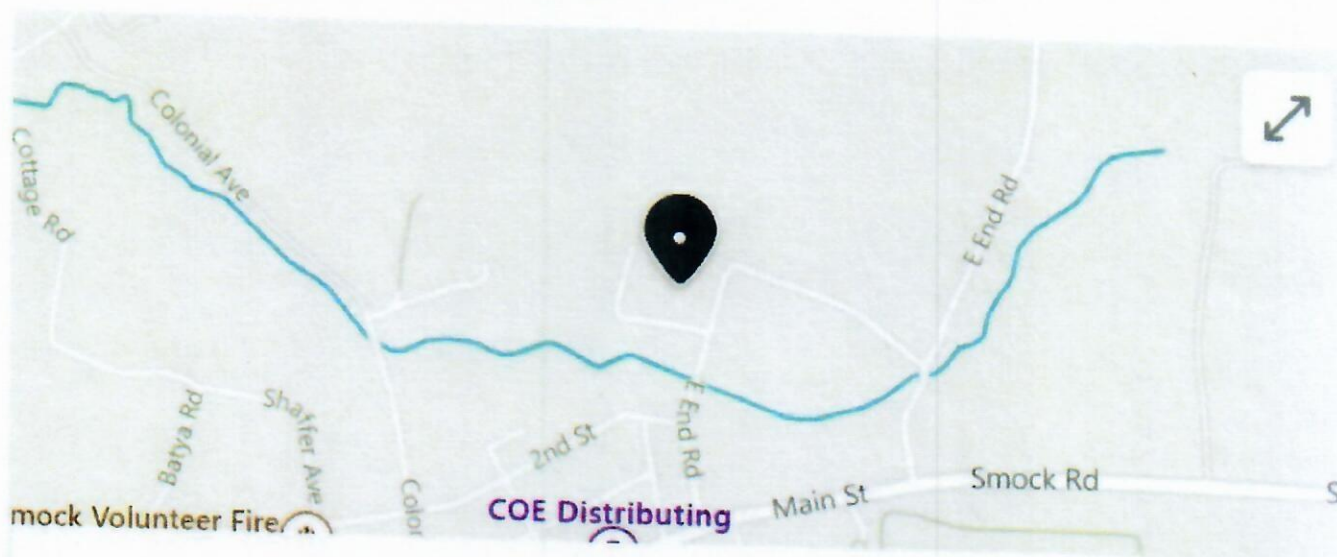
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Ph: 304-736-3401

5650 US Rt 60E

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All around warranty center for Rohrer Bus near Morgantown WV



Rittenhouse Bus Lines

Bus station



Website



Directions



31 E End Rd, Smock, PA 15480



(724) 677-9900



Closed · Opens tomorrow 6 AM ▼

QUICK REFERENCE: WARRANTY COVERAGE

This chart gives a general summary of your warranty coverage provided by Ford Motor Company under the **New Vehicle Limited Warranty**. Please refer to the description of warranty coverage for more specific information.

For each type of coverage, the chart shows two measures:

- years in service
- miles driven



The measure that occurs first determines how long your coverage lasts. For example: Your Bumper to Bumper Coverage lasts for three years - unless you drive more than 36,000 miles before three years elapse. In that case, your coverage ends at 36,000 miles.

For more details on coverage, see:

- ➔ **What is Covered?** (pages 9-13)
- ➔ **What is Not Covered?** (pages 13-16)

ELDORADO

Warranty Overview

Please refer to specific warranties for details & exclusions

Please refer to specific warranties for details & exclusions

ELDORADO		
Base Warranty	3 Year/36,000 Miles	
Body Structure	5 Year/100,000 Miles	
Electrical System	3 Year/36,000 Miles	
Paint	≤36 months and ≤36,000 miles = 100% materials and 100% labor ≤48 months and ≤70,000 miles = 50% material and 50% labor ≤60 months and ≤100,000 miles = 25% material and 25% labor	
CHASSIS		
Ford Motor Co.	3 Year/36,000 Miles	E & F Series Chassis
	5 Year/60,000 Miles	Drivetrain
	5 Year/Unlimited Miles	Corrosion
	5 Year/100,000 Miles	Diesel Engine
General Motors	3 Year/36,000 Miles	G3500 & G4500 Chassis
	5 Year/60,000 Miles	Drivetrain for End Users w/o FAN
	5 Year/100,00 Miles	Drivetrain for FAN End Users
	3 Year/36,000 Miles	Corrosion
International	6 Year/100,000 Miles	Rust-Through
	1 Year/Unlimited Mileage	(from delivery date) TC
	5 Year/100,000 Miles	TC Chassis Cab Coverage
	6 Year/Unlimited Miles	TC Corrosion
	2 Year/Unlimited Miles	TC ISB Engine
AIR CONDITIONING AND HEAT		
ProAir A/C (formerly A.C.T.)*	3 Year/Unlimited Mileage	
ACC Climate Control	3 Year/75,000 Mile (with min 2 Year/Unlimited mileage for original owner)	
Mobile Climate Control (MCC)	2 Year Unlimited Mileage (from Original In-Service Date)	
Thermo King A/C	2 Year/Unlimited Mileage, Parts, Labor	
Trans Air	1 Year on Compressors	
ProAir Heaters*	2 Year/Unlimited Mileage (from Original In-Service Date)	
	2 Years/Unlimited Mileage	
ALTERNATOR		
Alternator	See Chassis Warranty	
AUDIO VISUAL		
ASA Radio Components	2 Year/Unlimited Mileage	
Echovision	1 Year (from original purchase date)	



Ford Motor Company

Is proud to recognize

Eldorado National-Kansas (REV)

as a participant in the

Transit Bus

Qualified Vehicle Modifier Program



A handwritten signature in blue ink, appearing to read "Ryan A. Delaney".

Ryan A. Delaney -- SVE Quality Programs Mgr.

June, 2018



Orion Registrar, Inc.
Thorough and Fair Auditing

Certificate of Certification

This is to certify the Quality Management System of:

EIDorado National (Kansas), Inc.
1655 Wall Street
Salina, KS 67401 USA

*Has been assessed by Orion Registrar and found to be in
compliance with the following Quality Standard:*

ISO 9001:2015

The Quality Management System is applicable to:

**Design, Manufacture and Sale of Customized
Buses and Multipurpose Passenger Vehicles**

The Certification period is from

August 17, 2018 to October 30, 2021

*This certification is subject to the company maintaining its system to the
required standard, and applicable exceptions, which will be monitored by Orion.*

Client ID: 342

Certificate ID: 1014899



Paul M. Birck
Paul M. Birck, President

August 17, 2018

Date



7502 W. 80th Avenue, Suite 225, Arvada, Colorado 80003 | 303-456-6010 | FAX 303-456-6681 | www.orion4value.com
To authenticate this certificate, please visit: www.orion4value.com/about-orion/registered-companies/

ROHRER

School & Commercial Bus Sales

Company History

Rohrer Bus... four generations of transportation experience.

Rohrer's history all began in the early 1920's when Howard E. Rohrer Sr. started transporting school children with his horse and wagon in Allen's Cove, just south of Duncannon, Pennsylvania. The early horse-and-wagon evolved to a few wooden school bus bodies being built on car chassis'. Over the years, the need for student transportation grew. That's the way Rohrer Bus began.

Now fast forward to 1975. Howard E. Rohrer Jr. was running the business and our school bus fleet had grown to 70 buses. In addition to our growing school transportation service, Rohrer Bus added a Sales company and teamed up with Wayne school buses to represent their products. It was soon apparent that our **school bus company** was quickly outgrowing the facility on the family farm. So, in 1976, ground was broken for a new sales and service facility where our headquarters remain today.

By 1981, the 3rd generation of the Rohrer family was well on their way to continuing our company's transportation legacy. H.E. "Skip" Rohrer III and his brother-in-law John Schrantz, who continue to oversee the business operations today, took over the company from H.E. Rohrer Jr. By this time, our operating fleet had grown to over 200 buses and, in 1982, we became a dealer for Champion Bus selling commercial buses.

In the fall of 1999, Rohrer Bus Sales proudly became the Thomas Built Bus dealer for the much of the state of Pennsylvania. Our experience in the sale and operation of school and commercial buses, along with our reputation for providing outstanding customer service made Rohrer the logical choice when Thomas Built Buses was looking for a full-service dealership to partner with. And in 2006, just one year after receiving the Pennsylvania School Bus Association's (PSBA) Platinum Bus Award for 75 years of service to the transportation industry, Rohrer Bus was celebrated as the Thomas Built Bus Dealer of the Year.

Today, the 4th generation of the Rohrer transportation legacy is now in place with Tahva Rohrer Wylie and David Schrantz continuing our family's dedication to the transportation industry. We currently sell vehicles throughout the mid-Atlantic states of Pennsylvania, Maryland, New Jersey, Delaware, and Virginia. Rohrer Bus offers a complete lineup of vans and buses ranging from small, wheelchair-accessible passenger vans to 90-passenger buses. On top of that, we are a FULL service dealer with factory-trained, ASE certified technicians providing factory approved service and warranty repairs for the ENTIRE bus.

In addition to our dealership growth, over fifteen (15) Pennsylvania school districts, intermediate units, and other entities rely on our fleet of over 500 vehicles to provide them with safe transportation services for their students. Our Duncannon headquarters has expanded several times, now with over 30,000 square feet, offering complete support along with the latest tools and equipment. With that, we are proud to be recognized as Perry County's largest employer. In addition to our Duncannon facility, Rohrer Bus has instituted several satellite facilities located throughout our growing sales territory.

Although we may have grown much larger over our many years in business, our Rohrer Bus family still prides itself on one thing: providing the very best transportation products and services available. With over 1000 years of combined industry experience, we can handle just about any transportation need, while consistently demonstrating our commitment to the highest level of quality, safety, and customer service. So, as "The **Transportation Company You Can Depend On**", we look forward to a very long and successful relationship as your partner in safe and reliable transportation!

1515 State Road, P.O. Box 100, Duncannon, Pennsylvania 17020 • OFFICE 717.957.2141 • TOLL FREE 800.735.3900 • FAX 717.957.4884

rohrerbus.com

ROHRER

School & Commercial Bus Sales

Warranty Service & Product Recalls

When buying a vehicle from Rohrer Bus, you can rest assured that you will be taken care of long after the sale. Our dedicated account representatives, Ryan Renninger (warranty) and Greg Kline (parts), are committed to service. They are here to help you from 8am – 4:30pm Monday thru Friday. Mr. Renninger is hands on and our most knowledgeable employee regarding warranty. Mr. Renninger and Mr. Kline can be reached at 1-800-735-3900.



ROHRER

School & Commercial Bus Sales

Statement of Qualifications

Rohrer Enterprises is a third generation business founded in the mid-1920s who employs over 800 employees. Our facility is open 5 days a week, 18 hours a day with service advisors available 24/7. The commercial sales division represents Champion Bus in Maryland, Pennsylvania, Delaware, Virginia, and New Jersey, the District of Columbia and the GSA / United States federal government. Our knowledge and experience with transit system maintenance operations, practices and control system technology relates directly to our own operation of over 700 daily school bus routes. We are also operating as a certified third party tester for the Commercial Driver's License (CDL).

Rohrer Bus Sales has represented Champion Bus since 1982 and has consistently been one of their top dealers, primarily due to their quality of manufacturing and support they offer their dealer network. Rohrer Bus Sales has recently been recognized as a Platinum Level Dealer for 2009, 2010 and 2012 and also recognized as having the longest standing dealer relationship with Champion Bus. We also represent Thomas Bus in the state of Pennsylvania and have been recognized as a "Gold Level" dealer.

Rohrer Bus Sales held the contract for the Commonwealth of Pennsylvania in the light/medium duty shuttle bus categories including Ford, Chevrolet, Freightliner and International chassis. In addition to the light/medium duty shuttle buses, Rohrer Bus Sales has also held similar contracts with the Commonwealth of Pennsylvania for light duty minivan conversions, Ford cargo/passenger van conversions and the VPG purpose built vehicle.

Management of this IFB would be conducted by specific key personnel of Rohrer Enterprises, Inc. d/b/a/ Rohrer Bus Sales. This would include all processes from the initial contact, oversight of the ordering and production process, quality control, and final delivery of the completed unit. Our service department will administer all warranties implied in this response along with offering technical support for the products offered.



Z TECHNOLOGIES CORPORATION
World Leaders in Corrosion Protection

9/12/2013

MB #LB005 V1

Z GUARD 9902 STAR Film Properties

Performance testing reflects coating on unpolished Q panels with four day air-dried films at 3.0 – 4.0 mils dry.

Dry to touch at R.T., ASTM D1640

Dry-to-Handle at R.T., ASTM D1640

Pencil Hardness

Flexibility 180° bend over conical mandral

Salt Spray, ASTM B117, 1000 hours

Salt Fog Resistance (463PB-10-01), 240 hours.

♦ 500 F x 16 hours plus 240 hrs salt fog

♦ 325 F x 16 hours plus 16 hours humidity.

Salt Fog Resistance (WSS-M2P178-A), 240 hours.

♦ 662°F x 1 hour; 1°C water quench; plus 240 hrs salt fog.

Salt Water Immersion, 5% NaCl, 100° F, 96 Hours

Detergent Immersion, 100° F, 48 Hours

Gravelometer, ASTM D3170, -20° F

Poultice, GM 998-5470, 20 cycles

Q.U.V., ASTM G53, 3000 Hours

Q.U.V., 100 Hours + Salt Spray, 336 Hours

Q.C.T., 3000 Hours

Humidity Resistance, ASTM D2247, 2000 Hours

Sag resistance

Impact (direct & reverse) ASTM D3281

Adhesion (FLTM B1 6-1 B) cross Hatch

Scab corrosion resistance, 20 cycles

APPLICATION

For ultimate protection, apply films to clean metals at a thickness of at least four (4) mils dry, by any of the following methods:

Airless spray, with a 33:1 1.5 - 3.5 GPM, .013 - .026 tip at 50-75 psi line pressure, 20 - 40 fan

www.ztechprotection.com

10 ± 2 minutes

20 ± 5 minutes

6B

Pass

Field, scribe, edge clean; slight blistering

Pass (No rust)

Pass (No rust)

Pass (No rust, nor blisters)

Pass (#8-9 corrosion rating or <0.1% surface rust per ASTM D 610-95)

Pass

Pass

Good(8A)

Pass

Pass

Pass

Pass

Pass

≥5 mils

160/40 inch-lbs.

5A Pass

Pass

Z TECHNOLOGIES CORPORATION

World Leaders in Corrosion Protection

26500 Capitol Avenue, Redford, Michigan 48239-2597
Telephone (313) 937-0710 • Fax (313) 937-1470

UNDERCOATING & CORROSION RESISTANCE PROCEDURE

The corrosion resistance process used by ElDorado begins with an application of Zinc Phosphate to a nominal 1.5–2.0 mil thickness. Zinc Phosphate is sprayed on the door post, step well, and the flange forward of the step well at the floor. The entire sub-frame is thoroughly sprayed protecting vent hoses and the fuel fill from overspray.

The undercoating process begins with a complete, hand-rolled and brushed application to a dry film thickness of 8-10 mils of a nonflammable water-based 76M Waterborn over 100% of the floor decking material, including edge sealing, prior to installation. This ensures the most critical areas, where it interfaces with the steel floor structure, are completely sealed and impervious to moisture penetration. The process also coats side panels below floor level (if metal), and fender wells.

Any component within 12" of the exhaust, or any part of the exhaust or related heat shields, fuel tank, fuel filler and vent tube, drive shaft or shock absorbers shall be excluded from undercoating. All added underbody steel on floor structure, frame stretch, drive line loops, etc will be sprayed with Zinc Phosphate.

After the body is installed, a second undercoating application is done to the entire floor structure to provide additional corrosion protection for all exposed steel. Note: care is taken to avoid the exhaust system and all other heat sources to avoid any potential fire hazard.

This two stage undercoating process is exclusive to ElDorado and when combined with the application of zinc phosphate provides superior undercarriage corrosion protection.

ROHRER

School & Commercial Bus Sales

REFERENCES

REFERENCE #1: Pennsylvania Department of General Services

Rohrer Bus Sales has held the state contract for Pennsylvania since 2007 and currently holds a contract which has been renewed until April 2019. This contract contains shuttle bus products from 21' – 31' in length and includes Ford, Chevrolet and Freightliner chassis. This contract also includes wheelchair minivan conversions.

Contact: John Levitsky, Program Manager
Department of General Services
Bureau of Procurement
555 Walnut Street, 6th Floor Forum Place
Harrisburg, PA 17101
717-787-1206
jlevitsky@pa.gov

REFERENCE #2: Federal Government's General Service Administration

For over ten years, Rohrer Bus Sales has provided Ford and Freightliner chassis to the Federal government. Our current contract is GS-30F-DA024 and is in process of being renewed for the 3rd of 4 option periods. The annual volume on this contract is generally in the 40-50 buses per year range

Contact: Craig D. Yokum, Contract Officer
U.S. General Services Administration/Federal Acquisition Service
Office of Travel, Transportation and Logistics
Light Vehicles Branch - QMAAA
1800 F Street, NW, 3rd Floor, Hub 3200
Washington, DC 20405
craig.yokum@gsa.gov
Phone 703-605-9291
Cell 571-748-8753

ROHRER

School & Commercial Bus Sales

REFERENCE #3 - SCTA

Currently administering a state wide multi-year contract on behalf of all transit systems in the state of Pennsylvania. Rohrer holds both an F550 contract and a Ford Transit contract. Expect to sell and service 2-300 vehicles over life of contract

Contact: *Jeffrey H. Glisson*

Director of Capital Projects/Planning

Telephone (717) 358-1928

Email jglisson@sctapa.com



REFERENCE #4 - Harrisburg International Airport

For over twenty years, Rohrer Bus Sales has provided Ford and Chevrolet cutaways, Freightliner M2, rear engine and low floor buses to HIA.

Contact: Robert Gardner, Vehicle Maintenance Supervisor
513 Airport Drive
Middletown, PA 17057
717-948-3900
bobg@saraa.org

REFERENCE #5 - State of West Virginia

Contract history extends for over twenty years - Rohrer Bus Sales combined with David Clawson management experience has provided Dodge, Ford and Freightliner vans and buses to WV in excess of 900 vehicles.

Contact: Current Manager, John Caldwell
West Virginia Division of Public Transit
1900 Kanawha Blvd., East
Building 5, Room 650

Previous Manager - Tim Thomas
Now working for Mountain Transit Authority
1096 Broad Street
Summersville, WV 26651

STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the **West Virginia Code**. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the **West Virginia Code** and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the **West Virginia Code** may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

Under penalty of law for false swearing (**West Virginia Code** §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: Rohrer Enterprises Inc. DBA Rohrer Bus Sales

Authorized Signature:  Date: 1-11-23



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote

Proc Folder: 1137853			Reason for Modification: Addendum No. 2 To move bid opening to January 12, 2023 at 1:30 pm est., to change specifications and..... See Page 2 for complete info
Doc Description: 176" - 190" Wheelbase Cutaway Vehicle			
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2022-12-16	2023-01-12 13:30	CRFQ 0810 DMT2300000009	3

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code: VS0000004719
Vendor Name : Rohrer Entreprises, Inc. DBA Rohrer Bus Sales
Address : 1515 State Road PO Box 100
Street :
City : Duncannon
State : PA **Country :** USA **Zip :** 17020
Principal Contact : David M Clawson, Senior Vice President Sales
Vendor Contact Phone: 800-735-3900/540-729-3751 **Extension:**

FOR INFORMATION CONTACT THE BUYER

David H Pauline
304-558-0067
david.h.pauline@wv.gov

Vendor
Signature X

FEIN# 23-2059976

DATE 1/12/23

All offers subject to all terms and conditions contained in this solicitation

Reason for Modification:

Addendum No. 2

To move bid opening to January 12, 2023 at 1:30 pm est., to change specifications and respond to vendor questions.

ADDITIONAL INFORMATION

Addendum No. 2

To move bid opening date and time to January 12, 2023 at 1:30 pm est.

To change specifications as per attached.

To respond to vendor technical questions, see attached.

No other changes.

INVOICE TO				SHIP TO	
PUBLIC TRANSIT DIVISION OF BLDG 5 RM 663 1900 KANAWHA BLVD E CHARLESTON WV US				PUBLIC TRANSIT DIVISION OF KANAWHA VALLEY REGIONAL TRANSPORTATION AUTHORITY 1550 FOURTH AVE CHARLESTON WV US	
Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	173" - 190" WB Cutaway Vehicles	0.00000	EA		
Comm Code	Manufacturer	Specification	Model #		
25101502					

Extended Description:

To establish an open ended contract for 176" - 190" WB Cutaway Vehicles to provide specialized transportation services in an urban and suburban-rural environment including hilly terrain and a severe operating climate suited to stop-start duty cycles.

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Vendor Technical Questions Due 11:00 am est.	2022-12-15

	Document Phase	Document Description	Page 3	
DMT2300000009	Draft	176" - 190" Wheelbase Cutaway Vehicle		

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

SOLICITATION NUMBER: CRFQ DMT2300000009

Addendum Number: 2

The purpose of this addendum is to modify the solicitation identified as CRFQ DMT2300000009 to reflect the change(s) identified and described below.

Applicable Addendum Category:

- ☒ Modify bid opening date and time
- ☒ Modify specifications of product or service being sought
- ☒ To respond to technical questions
- ☐ Attachment of pre-bid sign-in sheet
- ☐ Correction of error
- ☐ Other

Additional Documentation:

1. To move bid opening date and time January 12, 2023, at 1:30 pm est.
2. To respond to vendor technical questions, see attached.
3. To change specifications, see attached.
4. No other changes.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

CRFQ DMT 23*09

Vendor Questions and Responses

Question: Will the Division consider moving the Bid Opening date?

Answer: The Division will move the Bid Opening date to January 12, 2023.

Question: Section 3.2 Chassis: please accept that the wheelbase available from Ford as OEM, either are not available 190" WB or will cause chassis delays due to needing to be a special order as 176" WB. Please accept that the wheelbase will be modified to meet specifications.

Answer: The Division understands that the OEM 190" WB are not available and will accept the vehicle as the chassis being modified for this vehicle.

Question: Section 3.3 Engine, Exhaust: please accept that the 7.3: engine from Ford is rated at 325 HP at 3750 RPM.

Answer: The Division will accept the 7.3L engine with 325HP at 3750 RPM.

Question: Section 3.3 Engine, Exhaust: the Ford OEM exhaust is primarily aluminumized steel, not stainless.

Answer: The Division understands this and is acceptable.

Question: Section 3.4.1, please accept that the fueling nozzle is only on the street side and is not possible for it to be set for both sides.

Answer: The Division understands that the fuel nozzle is only on the street side and is acceptable.

Question: Section 3.8.4: please accept that the gear ratio is pre-set by Ford and isn't adjustable.

Answer: The Division understands the gear ratio is pre-set and is not adjustable and is acceptable.

Question: Section 3.10.4, Back up camera, will the Division accept the viewing screen located in the interior rear-view mirror?

Answer: The Division will accept this request.

Question: Ford does not provide an OEM backup camera on their E Series chassis. Please accept Rosco STSK4750 Back up camera with the camera in the rear-view mirror system with monitor as an approved equal.

Answer: The Division will accept the Rosco STSK4750 Back Up Camera System as approved equal.

Question: Section 3.16.1 Please accept that all wiring schematics on a flash drive in lieu of paper copies as an approved equal.

Answer: The Division will accept all wiring diagrams on a flash drive in lieu of paper copies.

Question: Section 3.17.22, please accept that the Ford OEM glove box does not have a light inside.

Answer: The Division accepts that the Ford OEM glove box does not have a light inside.

Question: Section 3.19.1 , Body Construction Please approve the body construction method Universal Body Frame Construction as approved equal.

Answer: The Division will accept the Universal Body Frame Construction as approved equal.

Question: 3.19.7 The specifications request that two-sided tape is not acceptable. Some panels are bonded with adhesive so no unsightly mechanical fasters are seen, is this method of attaching the panels acceptable?

Answer: The Division will accept this type of panel attachment.

Question: Section 3.19.6: please approve T-140 Aluminized Steel cage as approve equal.

Answer: The Division will accept T-140 Aluminized Steel cage as equal.

Question: Section 3.19.11 and Section 3.19.14, These two section are conflicting, one says aluminum skirts and the other fiberglass?

Answer: The Division will accept Aluminum skirts or fiberglass.

Question: Section 3.19.15 Anti-corrosion, please approve ZPG-99025 as approved equal?

Answer: The Division will accept ZPG-99025 as approved equal.

Question: Please accept Gerflor vinyl composite floor covering throughout the entire stepwell with the Gerflor Step bus safety nosing with yellow abrasive strip.

Answer: The Division will accept this request.

Question: Section 3.21.1, Please approve the undercoating method used by Forest River, description provided.

Answer: The Division has reviewed and will approve the undercoating process used by Forest River for each vehicle.

Question: Section 3.22.3 Dimensions: due to geometry limitations of the chassis & body relationship, the ground height of 12" and 1st step to ground cannot be met. Will the Division accepts 12" 1st step height with 9" or 9.5" risers as approved equal?

Answer: The Division will accept this as approved equal.

Question: Section 3.22.7 Will the Division accept Cole Hersee key in lieu of the Kubota?

Answer: The Division will accept Cole Hersee key in lieu of the Kubota.

Question: Section 3.22.10 on the Ford E450 chassis a running board at the driver's door will yield a measurement of 14" to the round, will this be acceptable?

Answer: The Division will accept this request.

Question: Section 3.22.11, please verify that this section pertains to the wheelchair doors only?

Answer: Section 3.22.11 refers to wheelchair doors only.

Question: Section 3.24.7 calls for the platform in stored position shall not intrude into vehicle body more than 14 inches. Given the lift model requested in the specification, please allow up to 18" intrusion as approved equal.

Answer: The Division will allow up to 18" intrusion in Section 3.24.7.

Question: Section 3.24.9 refers to an Intelligent Lift Interlock System Model#ILIS501, this model is obsolete, please remove and replace with Intermotive Gateway, ILIS.

Answer: The Division will remove the obsolete model and replace with Intermotive Gateway ILIS.

Question: Section 3.30.1 please remove the requirements for AbS Knee Saver seat backs for Class E and Class F as this option is not available on high back Seats.

Answer: The Division will allow this request.

Question: Section 3.30.11 Please remove the request for a seat belt extender for the driver's sea, as no such product is available for the Ford OEM Driver seat.

Answer: The Division will remove this requirement.

Question: Section 3.30.12 please remove the requirements for a headrest, Freedman does not offer a headrest on a 3_PT fold down seat.

Answer: The Division will remove the requirement for a headrest on a 3-PT fold down seat.

Question: Section 25.6 Please accept a manual controlled roll down window for this requirement.

Answer: The Division will accept a manual roll down window for the driver's door.

Question: Section 3.26.2.4 please accept a 10" fan, minimum, instead of the 12" required.

Answer : The Division will accept the 10" fan.

Question: Section 3.32.8 please remove the requirement for contrasting colors in this section. The Q'Straint 360 tie downs specified only come in black.

Answer: The Division will remove the requirements for contrasting colors and accept the black tie downs.

Question: Section 3.32.15 this section requires the L Track to run the full length of the vehicle, please clarify?

Answer: The Division is asking that on the front lift floor plan, the L Track is to run the full length of the vehicle. For the other floor plans, the L Track is to be only in the wheelchair area.

Question: Section 3.34.5 Please specify where additional stanchions are required "elsewhere withing the vehicle"?

Answer: The Division will remove the "elsewhere within the vehicle".

Question: Section 3.345 Does the State require a stanchion and modesty panel to be installed behind the front lift for Class C, D,E and F?

Answer: The Division does not require a stanchion and modesty panel to be installed behind the front lift for Class C, D,E and F.

Question: Section 3.36.1 Please clarify where the reflective tape is required?

Answer: The Division is asking that the reflective tape to be around the egress windows.

Question: Section 3.43 Bike Rack Mount, please accept that the bike rack mounting is only available on the front of the vehicle.

Answer: The Division accepts that the bike rack will only be on the front of the vehicle.

Question: Section 3.46.2 Please accept a top hinged door with a device that holds the door in the upright position

Answer: The Division will accept this type of storage box.

Question: Section 3.49.10 Where does the Division want the wheel chocks to be stored?

Answer: Normally the wheel chocks are shipped loosely in the rear of the vehicle and the receiving agency determines where they will store them.

Question; Section 4.0.2.1 For Classes E and F, does the State want overhead luggage to be placed over the wheelchair positions?

Answer: The Division does not want the overhead luggage storage to be over the wheelchair position.

Question: Section 3.29.3 conflicts with Section 3.19.15, which calls for Gerflor yellow abrasive insert?

Answer: Section 3.19.15 refers to the undercoating of the stepwell, not the floor covering.

Question: Section 3.25.2, please accept that our window in the passenger door will be AS-2, not AS-3 as an approved equal.

Answer: The Division will accept AS-2 as an equal.

Question: Section 3.26.1.2 please accept an electrically heated first entry step as equal.

Answer: The Division will accept an electrically heated first entry step as equal.

Question: Section 3.37.5.1 would the Division specify what model or System is required as an option, in this section?

Answer: The Division is asking for the destination sign to be Transign LED Designator Series.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DMT2300000009

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Rohrer Enterprises, Inc. DBA Rohrer Bus Sales

Company

Authorized Signature

1/12/23

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote

Proc Folder: 1137853

Doc Description: 176" - 190" Wheelbase Cutaway Vehicle

Reason for Modification:

Addendum No. 1 to correct error of incorrect date entered in the terms and conditions. The correct See Page 2 for complete info

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2022-12-08	2022-12-29 13:30	CRFQ 0810 DMT2300000009	2

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code: VS0000004719

Vendor Name : Rohrer Enterprises, Inc. DBA Rohrer Bus Sales

Address : 1515 State Road PO Box 100

Street :

City : Duncannon

State : PA

Country : USA

Zip : 17020

Principal Contact : David M Clawson

Vendor Contact Phone: 800-735-3900/540-729-3751 Extension:

FOR INFORMATION CONTACT THE BUYER

David H Pauline
304-558-0067
david.h.pauline@wv.gov

Vendor
Signature X

FEIN#

23-2059976

DATE 1/12/23

All offers subject to all terms and conditions contained in this solicitation

Reason for Modification:

Addendum No. 1 to correct error of incorrect date entered in the terms and conditions. The correct bid opening date is December 29, 2022 at 1:30 pm est.

ADDITIONAL INFORMATION

Addendum No. 1

To to correct error of incorrect date entered in the terms and conditions. The correct bid opening date is December 29, 2022 at 1:30 pm est. as listed on the cover page of the solicitation documents., see attached.

No other changes.

INVOICE TO			SHIP TO		
PUBLIC TRANSIT DIVISION OF BLDG 5 RM 663 1900 KANAWHA BLVD E CHARLESTON WV US			PUBLIC TRANSIT DIVISION OF KANAWHA VALLEY REGIONAL TRANSPORTATION AUTHORITY 1550 FOURTH AVE CHARLESTON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	173" - 190" WB Cutaway Vehicles	0.00000	EA		

Comm Code	Manufacturer	Specification	Model #
25101502			

Extended Description:

To establish an open ended contract for 176" - 190" WB Cutaway Vehicles to provide specialized transportation services in an urban and suburban-rural environment including hilly terrain and a severe operating climate suited to stop-start duty cycles.

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Vendor Technical Questions Due 11:00 am est.	2022-12-15

	Document Phase	Document Description	Page 3
DMT2300000009	Draft	176" - 190" Wheelbase Cutaway Vehicle	

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

SOLICITATION NUMBER: CRFQ DMT2300000009

Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as CRFQ DMT2300000009 to reflect the change(s) identified and described below.

Applicable Addendum Category:

- ☒ Modify bid opening date and time
- ☐ Modify specifications of product or service being sought
- ☐ To respond to technical questions
- ☐ Attachment of pre-bid sign-in sheet
- ☒ Correction of error
- ☐ Other

Additional Documentation:

1. To correct bid opening date and time that was inadvertently input into the Terms and Conditions incorrectly. The correct bid opening date and time is December 29, 2022, at 1:30 pm est.
2. No other changes.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DMT2300000009

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Rohrer Enterprises, Inc. DBA Rohrer Bus Sales

Company

Authorized Signature

1/12/23

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

EXHIBIT A PRICING PAGE - CRFQ DMT23*09
176" -190" Wheelbase Cutaway Vehicle

VENDOR NAME:

MANUFACTURER/MAKE/MODEL:

CLASS	VEHICLE DESCRIPTION	UNIT PRICE PER VEHICLE	ESTIMATED QUANTITY	EXTENDED PRICE
A	176" Vehicle, Eight (8) Fixed Double Seats, Two (2) Wheelchair Positions with One (1) Fold Up Seat (Double), Rear Curbside Lift Location, Vinyl Logo and Stripes	\$149,490.00	5	\$747,450.00
B	176" Vehicle, Eight (8) Fixed Double Seats, Two (2) Wheelchair Positions with One (1) Fold Up Seat (Double), Rear Curbside Lift Location, Full Bus Body Paint or 3/4 Bus Body Paint with Expanded Graphics	\$158,350	5	\$791,750.00
C	Vehicle, Seven (7) Fixed Double Seats, Two (2) Wheelchair Positions with Two (2) Fold Up Seats (Double), Extended Wheelbase to 190", Front Wheel Chair Lift Location, Vinyl Logo and Stripes	\$150,490.00	5	\$752,450.00
D	Vehicle, Seven (7) Fixed Double Seats, Two (2) Wheelchair Positions with Two (2) Fold Up Seats (Double), Extended Wheelbase to 190", Front Wheel Chair Lift Location, Full Bus Body Paint or 3/4 Bus Body Paint with Expanded Graphics	\$159,230.00	5	\$796,150.00
E	Vehicle, Seven (7) Fixed Double Seats, Two (2) Wheelchair Positions with Two (2) Fold Up Seats (Double), Extended Wheelbase to 190", Front Wheel Chair Lift Location, Vinyl Logo and Stripes, Overhead Luggage Racks, High Back Seats	\$149,470.00	5	\$747,350.00
F	Vehicle, Seven (7) Fixed Double Seats, Two (2) Wheelchair Positions with Two (2) Fold Up Seats (Double), Extended Wheelbase to 190", Front Wheel Chair Lift Location, Full Bus Body Paint or 3/4 Bus Body Paint with Expanded Graphics Overhead Luggage Racks, High Back Seats	\$158,250.00	5	\$791,250.00
AA	Option to add On-Board Automatic Audio/ Visual LED Display Voice Announcement System	\$4,950.00	5	\$24,750.00
TOTAL BID FOR EVALUATION				\$4,651,150.00

*Complete form provided. The DPT may purchase more or less as needed.

Note: These are only estimated quantities and do not reflect any guarantee of purchase.

Please do not alter pricing page. Please complete entire form

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School & Commercial Bus Sales

January 12, 2023

David H Pauline
Department of Administration
Purchasing Division
2019 Washington Street E
Charleston, WV 25305

Ref: CRFQ DMT2300000009, 173"-190" WB Cutaway Vehicles

Dear Mr. Pauline:

Rohrer Bus Sales appreciates this opportunity to submit a bid for transit vehicles to the State of West Virginia. Our offerings, a ElDorado Advantage for classes A through F, meets the intent and letter of your specifications as well as amendments 1-2 with following documentation, clarifications, deviations and/or explanations per your Required Bid Documentation Checklist.

Items to be uploaded to WVOasis are as follows:

Letter and Enclosure 1 Exhibits - Pricing Page and Class A-F build sheets and floorplans

Exhibit A Pricing Page and

11.1.1 Complete mechanical description of vehicle, its construction and equipment including manufacturer's model name and/or number.

11.1.2 Proposed interior floor plans, showing detailed dimensions including the location of the wheelchair securement system.

11.1.3 Curb weight (empty weight) and gross vehicle weight rating (GVWR of vehicle).

FOR: Class A and B Technical Proposal, Floorplan and Weight Analysis
Class C and D Technical Proposal, Floorplan and Weight Analysis
Class E and F Technical Proposal, Floorplan and Weight Analysis

Enclosure 2 Mandatory Bid Forms

Bid Form #1: Locations of Technical Service Representatives and Parts Distribution Centers

Bid Form #2: Certification for Air & Water Pollution

Bid Form #3: Disadvantaged Business Enterprise Vendors/Manufacturers Certification

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Note: The vendor shall also supply with bid FTA TVM DBE Goal Concurrence for the Current Fiscal Year Approval Letter.

Bid Form #4: Buy America Certification Rolling Stock Should the Vendor be declared responsive and low bid, pursuant to Pre-Award and Post Delivery Audit Requirements, the Division will require the Vendor to submit documentation (with the bid or prior to any award) that lists:

1) Component and sub-component parts of the rolling stock to be purchased identified by manufacturer of the parts, their country of origin and costs: and

2) The location of the final assembly point for the rolling stock, including a description of the activities that will take place at the final assembly point and the cost of final assembly.

Bid Form #5: Federal Motor Vehicle Safety Standards Certification Vendor shall also supply with bid a breakdown of FMVSS standards to be met with proposed vehicle.

Bid Form #6: U.S. Comptroller's Debarment List Certification

Bid Form #7: Certification of Primary Participant Regarding Debarment, Suspension, and Other Responsibility Matters

Bid Form #8: Vendor's Certification of Understanding and Acceptance

Bid Form #9: Certification of Restrictions on Lobbying

Bid Form #10: Required bid documentation checklist

Enclosure 3

Technical Proposal and Supporting Documentation from Checklist

- 3.1.11 Details of water testing procedures.
- 3.2 Chassis- provide product description, warranty information and product literature.
- 3.2 provide length of proposed wheelbase.
- 3.3 Engine: gasoline: provide product description, warranty information and product literature.
- 3.5 Radiator and Cooling System: provide product description, warranty information and product literature.
- 3.6 High Idle System, provide product description, warranty information and product literature.
- 3.8 Transmission: provide product description, warranty information and product literature.
- 3.10.4 Rear View Back-Up Camera: provide product description, warranty information and literature.
- 3.11.4 Tilt Wheel, Cruise Control and Power Steering: provide product description.
- 3.13 Brakes: provide product description, warranty information and product literature.
- 3.14 Wheels: provide product description, warranty information and product literature.
- 3.15 Tires: provide product description, warranty information and product literature.
- 3.16.5 Alternator: provide product description, warranty information and product literature.
- 3.16.6 Battery: provide product description, warranty information and product literature.
- 3.17.1 Radio/AM/FM/USB/MP3: provide product description, warranty information and product literature.
- 3.19 Body Structure/Roof Specifications: provide a description of how construction/conversion will take place and meet the specification requirements. Provide actual interior height and body length of proposed vehicle.
- 3.19.15 Stepwell: provide a description of construction.
- 3.22 Entrance, Exit, Lift, and Emergency Exit Doors: Provide product description, dimensions, description of connection with interlock system, and locks to be provided.
- 3.23 Rear Bumper: provide product description, warranty information and product literature.
- 3.24 Wheelchair Lift: provide product description, warranty information and product literature.
- 3.24.9 Interlock System: provide product description, warranty information and product literature.

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- 3.26 Front and Rear Heating and Air Conditioning: provide product description, warranty information, product literature.
- 3.29 Flooring: provide a description of product to be used, samples of floor covering, colors to be used and assembly process.
- 3.30.1 Passenger Seats and Restraints: provide product description, warranty information and product literature.
- 3.30.2 Padded Grab Handle: provide product description.
- 3.30.11 Driver's Seat: provide product description, warranty information and product literature.
- 3.31 Wheelchair Securement System: provide product description, warranty information and product literature.
- 3.32 Mobility Aid/ Occupant Restraint Systems: provide product description, warranty information and product literature.
- 3.33.1 Exterior Mirrors: provide product description, warranty information and product literature.
- 3.37 Digital Destination Signs: provide product description, warranty information and product literature.
- 3.38 Passenger Signaling System: product description, warranty information and product literature.
- 3.39 Mobile PA System: provide product description, warranty information and product literature.
- 3.40 Fare Box Provision: provide description of provision.
- 3.41 Strobe Light: provide product description, warranty information and product literature.
- 3.42 Radio Install Prep: provide description of process.
- 3.44 Security Camera System Including Playback: provide product description, warranty information and product literature.
- 3.45 Dual Purpose Safety Vent: provide product description, warranty information and product literature.
- 3.46 Storage Compartment: provide information on proposed location.
- 3.51 Training: submit letter of understanding to the terms in this Section.
- 4.0.5 Overhead Luggage Rack: provide product description and product literature for Classes E & F
- 4.0.5 High Back Passenger Seating: provide product description, warranty information and product literature. Classes E & F
- 6.1.7.4 Warranty Provider Locations: provide names of providers in WV.
- 6.1.7.5 Warranties: provide information on warranties to be provided.

Enclosure 4

- 11.1.6 Rustproofing and Undercoating: provide product description, warranty information and product literature.
- 11.1.8 A list of five (5) users names, addresses, emails, and telephone numbers who have been provided similar equipment.
- No Debt Affidavit
- Addendum Acknowledgement

Please contact us immediately at 1-800-735-3900 if any additional documentation is required.

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Thanks again for your consideration!

Sincerely,

David

D.M. Clawson, Jr.
Bus Sales & Administration



ROHRER

Direct 540.729.3751
dclawson@rohrerbus.com

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Rohrer Bus Sales response to CRFQ DMT2300000009, 17'-190" WB Cutaway Vehicles



Ford E450 chassis with Eldorado Advantage bus body

Mechanical Description for Classes A and B are the same except for paint and graphics

ADVANTAGE - FORD E450 - 14,500 GVWR - CONVERSION ONLY PRICING

ADVANTAGE 25 176" WB E-450 7.3L Premium Gas Engine W/240 Amp Ford Alt **	E	1010	C	1
SPECIAL INSTRUCTIONS OR NOTES				1
2 sets 11x17 laminated as-built schematics - Rohrer to complete (3.16.1)			NOTE	1
Graphics - Rohrer to subcontract			NOTE	1
Chains, jack and lug wrench - Rohrer to supply			NOTE	1
27" HIP-TO-KNEE SEAT SPACING MINIMUM			NOTE	1
SPECIAL BUILD OPTIONS				1
Front End Alignment w/ Camber & Caster. Include Documentation.	ST	99		1
Lift Master Power Switch on Dash.	ST	99		1
Wheel chocks - 1 Pair. Ship Loose	ST	99		1
Perko Hood Vents mounted on chassis hood (SET OF 2)	ST	99		1
Stainless Steel Exterior Screws & Bolts	ST	99		1
Black Rubber Rub Rail ilo Standard.	ST	99		1
Black Rubber Rear Fender Flares ilo Standard	ST	99		1
2" White Reflective Tape Around Egress Windows & Both Windows of Rear Door	ST	99		1
SPORTWORKS Bike Rack Mounting Plate Only on Front of Bus.	ST	99		1
As-Built Parts Manual on USB Flash Drive	ST	99		1
Price option for Intermotive Flex Speak seperately, not in base bus	ST	99		0
WARRANTY				
Optional Eldorado 3 Year / 36,000 Mile Limited Warranty	05	STD		1

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ELECTRICAL SYSTEM				
Intermotive Flex Tech Electrical System	05	STD		1
SIDEWALL / REARWALL / CEILING				
Sidewall: Grey FRP	05	STD		1
Driver Area: Grey Padded Vinyl	05	STD		1
FRP on Ceiling, Grey	05	2289		1
FRP on Rearwall, Grey	05	2040		1
FRP on Sidewall Under Seat Track, Grey	05	2093		1
FLOORING - WHITE NOSING IS STANDARD				
Under Seats: Gerflor Sirius NT #6801 Graphite (Black)	05	STD		1
5/8" MarineTech Plywood Floor	05	2202		1
AISLE, WC AREA & STEPWELL: Gerflor Sirius NT #6727 Anthracite (Grey)	ST	99		1
GerFlor "STEPBUS" Aluminum Step Nosing with Yellow Abrasive Insert	ST	99		3
CHASSIS				
Front Mud Flap (1), Passenger Side Only (to be used with Running Board) - NOT AVAILABLE ON FORD TRANSIT	05	2340		1
Heavy Duty Anti-Slip Aluminum Running Board on Driver Side (Large) (NOT AVAILABLE ON FORD TRANSIT)	05	2623		1
Mor-Ryde RS Suspension (SUBJECT TO WEIGHT ANALYSIS APPROVAL)	05	99		1
Galvanized Belly Metal (SUBJECT TO WEIGHT ANALYSIS APPROVAL)	05	2275		1
Exterior Mirror Set, Remote/Heated, Ford	05	2444		1
Romeo Rim Rear Bumper	05	2156		1
Valve Stem Extender Inner Dual Rear Wheel, pair	05	8606		1
Stainless Steel Entry Step Assembly - Includes Sides & Header	05	22041		1
Metal Locking Door for Fuel Fill	05	22045		1
Bag & Place Spare Tire on Cardboard for Shipping		NOTE		1
USE SPECIAL STEPWELL TO MEET 12" 1ST-STEP-TO-GROUND REQUIREMENT. REFERENCE ENGINEERING DRAWING # 31-28-0096-14.		NOTE		1
ENVIRONMENTAL CONTROL				
TRANS/AIR AIR CONDITIONING SYSTEMS				
DUAL COMPRESSOR SYSTEMS CEILING MOUNT EVAPORATOR				1
¹ = TA77 INDEPENDENT OF OEM DASH A/C W/LARGER COMPRESSOR **RECOMMENDED BY A/C MFR				1
TA773 SUPER 80K - TA77 EVAP - SMC3L COND - 13.4 C.I.D. COMP UPGRADE TO TA774C OR TA77R90 FOR HOT CLIMATES CHASSIS/ENGINE BELOW)			NOTE: (SELECT	1
¹ TA773 SUPER 13 FORD 7.3 LITRE PREMIUM GAS ENGINE	05	10479		1
HEATERS				
Hot Water Heater, 40K BTU 3 Speed	05	99		2
MISCELLANEOUS				
Heater Booster Pump - does not include electric valves	05	20088		1
Defroster Fan - Mount Location: Right side of bulkhead aimed at driver	05	20092		1
ELECTRICAL				
Door Ajar Buzzer on Rear Door	05	22079		1
Door Ajar Warning on Wheelchair Door - Buzzer and Light in Driver Area	05	22082		1
Window Ajar Alarm Buzzer on Egress Window, each	05	8679		3
Stainless Steel Battery Box & Tray	05	2527		1
		IS 304 REQUIRED?	No	

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Light in Engine Area	05	2316		1
ADA Stop Request, Pull Cord, Dual Auditory Tones, Dual Face Sign w/LED for ADA Request	05	2785		1
Touch Tape at WC area for ADA Stop Request - Activates 2nd Auditory Tone (Ea.)	05	2786		2
Heated Entry Step, Electric	05	22098		1
Laminated Wiring Schematic ***AS BUILT*** ON ELECTRICAL PANEL DOOR	05	22101		1
Wiring Diagram "AS BUILT" ON USB Flash Drive		STD		1
ANGEL TRAX 6-CAMERA SURVEILLANCE SYSTEM W/ VULCAN 12-CHANNEL DVR, 1 TB PLATTER HARD DRIVE & VANDAL-RESISTANT LOCKING FRONT COVER. INCLUDES WI-FI CELLULAR TRI-MODE ANTENNA. MOUNT DVR ON DRIVER MODESTY PANEL. SEE FLOOR PLAN FOR CAMERA LOCATIONS.	ST	99		1
WIRE HARNESSSES SECURED EVERY 12" MINIMUM		NOTE		1
NON-LOCKING LATCHES ON BATTERY BOX DOOR		NOTE		1
DESTINATION SIGNS/I.D. SIGN/FRONT VIEW WINDOW				1
Transign LD12112 Front LED Sign 12x112 Display w/OCU	05	20122		1
Transign LD1280 Side LED Sign 12x80 Display-Requires Front Sign	05	20123		1
FRONT DESTINATION SIGN REQUIRES MOUNTING BRACKETS ON TOP SIDE OF SIGN	ST	99		1
FAREBOXES				1
Half Stanchion w/ Elbow to Driver Stanchion for Future Farebox	ST	99		1
PRE-WIRE FOR FAREBOX (Ignition Hot & Ground) RUN TO BEHIND DRIVER SEAT FOR FUTURE FAREBOX MOUNTED ON MODESTY PANEL STANCHION. INCLUDE 8' OF COILED WIRE.	ST	99		1
EXTERIOR LIGHTS				
Surface Mount LED Entry Door Exterior Light - STD Choose Optional Below or Special builds	05	STD		1
Turn Signals Flash With Open Door	05	20135		1
LED Rear Center Mount Brake Light, Rectangular	05	20136		1
LED Mid-Ship Turn / Marker Lights	05	20138		1
Independent RED Brake & AMBER Turn Signal Lights	05	20139		1
Strobe Light, Roof Mounted COLOR:	05	20140		1
BRANCH GUARD FOR STROBE LIGHT	ST	99		1
INTERIOR LIGHTS				1
Additional Interior LED Dome Lamp - Each	05	8041		2
AUDIO / VISUAL				1
PA System w/ Hand Held Mic & Clip Integrated with OEM Radio		99		1
Additional Speaker(s), Each	05	20157		3
FORD E-SERIES OEM AM/FM/BT RADIO ORDERED ON CHASSIS		NOTE		1
4 Speakers with Wire to Chassis OEM Radio (if supplied)	05	8822		1
Ground Plane for 2-Way Radio, Pull Cord, Conduit Terminates B Pillar Floor	05	20160		1
External Speaker with ON/OFF Switch (each)	05	20162		1
PRE-WIRE (BATTERY HOT & GROUND) FOR 2-WAY RADIO. RUN TO DOGHOUSE AREA & LEAVE 6' OF COILED WIRE.	ST	99		1
FOR ADDITIONAL SPEAKERS: 2 IN MAIN CABIN, 1 IN DRIVER DOOR		NOTE		1
DOORS / HATCH / WINDOWS				
Electric Entry Door is Standard. Add Option #2056 if Manual is Desired				
Passenger Door Electric (standard)	05	20163		1
Passenger Door 36" ROUGH OPENING (STANDARD)	05	2063		1
Exterior Passenger Entrance Door Key	05	8133		1
Rear Door, (1) Window - Standard Left Hand Hinge	05	8016		1

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Additional Window for Rear Door			05	8682		1
Twin Windows Either Side of Rear Door			05	20175		1
Roof Hatch - Transpec 1070 Series Dual Purpose Safety Vent II			05	20179		1
Extra Egress Window(s)	Total Number of Egress Windows:	2 SS 1 CS	05	20188		1
LUGGAGE RACK / STORAGE						1
Driver Storage in Cab Overhead			05	20191		1
PARATRANSIT OPTIONS						1
2" Wider Double W/ C Doors w/ Windows, LED Interior Lights, Leaf Spring, LED Exterior Lighting			05	20207		1
Required for Lifts Wider than 34" N/A 138-139" WB Front Lifts, ADVANCE 158"WB 22'. Requires Raised Floor on ADVANTAGE 158"WB 22'				NOTE		1
IS THE LIFT IN THE FRONT OR REAR OF THE UNIT?				Rear		1
BRAUN LIFTS						1
BRAUN WHEELCHAIR LIFT NCL1000FIB3751HB-2 1000LBS. REQUIRES 2" WIDER DOORS. INCLUDES SAFETY BELT INSTALLED.			ST	99		1
LIFT FAST IDLE WITH 403 INTERLOCK						1
Intermotive Gateway 508-F Ford E or 517-F Transit Fast Idle with Lift Interlock			05	99		1
Q Straint W.C. Securement Kits, Accessories						1
Q10007 - 4 QRT 360 Retractor Tie Down L track & Q8-6326-A1 Comb-Lap/Shldr			05	8826		2
Q5-7580-4 18" Blue Webbing Loop (each)			05	20250		4
Q Straint Belt Storage Pouch			05	8102		2
Q-Straint Belt Cutter (ship loose)			05	8179		1
Miscellaneous Accessories						1
Priority Seating Sign **Required for ADA Compliance**			05	8104		4
Wheelchair Decal (International Symbol of Accessibility) Each			05	8105		1
Tool Box Wheelchair Belt Storage			05	20257		1
Mount Priority Seating Signs on 1st 2 Rows on Each Side				NOTE		1
Mount WC Decal on Rear Wall Exterior				NOTE		1
Mount Tool Box on Floor in Co-Pilot Area				NOTE		1
SAFETY OPTIONS						
5 Lb Fire Extinguisher			05	8089		1
Emergency Triangle Kit			05	8091		1
Back-Up Alarm SAE Type C 97 db(A)			05	20267		1
STANDARD ROSCO STSK4750 BACK-UP CAMERA SYSTEM W/ 7" REARVIEW MONITOR / MIRROR COMBO			05	STD		1
Interior Flat Mirror, 6" x 16" (N/A ON DUAL DOOR CHASSIS)			05	20277		1
Wide Angle Lens 11"x14", Fresnel			05	20278		1
Red Light Over Emergency Exit Ea: ON:	2 doors 3 windows		05	8155		5
"NO SMOKING" Sign			05	20282		1
Yellow "Standee" Line			05	8802		1
Decal "Please Fasten your Seat Belt"			05	20286		1
Decal "Please Watch Your Step"			05	20288		2
Decal Vehicle Height Sticker			05	20289		1
Emergency Exit Decal RED	LOCATION:	Rear Door & Egress Windows	05	20292		4
American Safety First Aid Kit #0122-LOG			ST	99		1
American Safety Body Fluid Clean-up Kit #2701			ST	99		1
American Safety Mylar Blanket #2466			ST	99		2
American Safety Wool Fire Blanket #2460			ST	99		1

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American Safety Reflective Safety Vest	ST	99		1
ADDITIONAL INTERIOR DECALS:	ST	99		1
"Emergency Dial 911" MOUNT ON FRONT BULKHEAD	ST	99		1
"Emergency Equipment" SHIP LOOSE	ST	99		1
ADDITIONAL EXTERIOR DECALS (Ship Loose):				1
"THIS VEHICLE MAKES FREQUENT STOPS"	ST	99		1
"THIS VEHICLE STOPS AT RAILROAD CROSSINGS"	ST	99		1
"CAUTION: STAND CLEAR OF THE LIFT"	ST	99		1
GRAB RAIL / STANCHION / PANELS				
Ceiling Grab Rail - Install on Both Sides	05	99		1
Left Hand Entry Vertical Grab Rail - 1 1/4"		STD		1
1 1/4" Dual Entry Grab Rails Parallel to Entrance Steps (both sides)	05	8130		1
Stanchion and Modesty Panel at Entry Door		STD		1
Stanchion and Modesty Panel Behind Driver	05	20301		1
Padding on Stanchion - Gray - Per 40" Max Length Each (note location(s) below)	05	20304		2
PAD STANCHIONS AT DRIVER AISLE-SIDE & ENTRY MOD PANEL		NOTE		1
Add Tinted Plexiglass Upper Panel	05	8146		1
SEATING - DRIVER				
OEM DRIVER'S SEAT ORDERED ON CHASSIS		NOTE		1
SEATING - PASSENGER				
STD RIGID SEATS				
Mid High Double Seat	05	8067		6
FOLDAWAY SEATS				
Foldaway Seat - Mid-High Notch Back Double AM (non-wheelwell)	05	2336		1
ICS & 3POINT SEATS **REQUIRES WEIGHT ANALYSIS FOR APPROVAL**				1
Double Seat with (1) Integrated Child Seat and (1) Mid High Back 2nd Seat	05	2331		2
PASSENGER SEAT FABRICS				
Seat Cover - Level 4 Ice Pinstripe; Mor-Care; Leathermate	05	2074		18
SEAT OPTIONS				
ABS Seat Backs Per Person (Mid-High Rigid and Notchback Folds Only)	05	2664		16
Anti-Vandal Grab Handle, Black Ea on:	05	2311		14
Black US Armrest - Each - on:	05	2077		9
Child Restraint System CRS225 Clips - Per Person	05	2554		2
SEAT BELTS				
Seat Belt, Freedman USR Retractable (Per Person)	05	2282		18
Seat Belt Extension, 12" (P/N 56410) FOR USR SEAT BELTS	05	8771		5

Thank you for your consideration

David

D.M. Clawson, Jr.
Bus Sales & Administration



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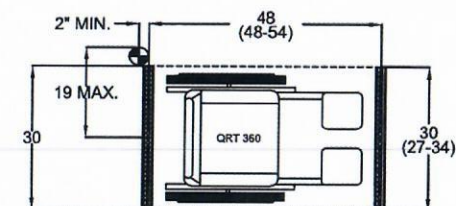
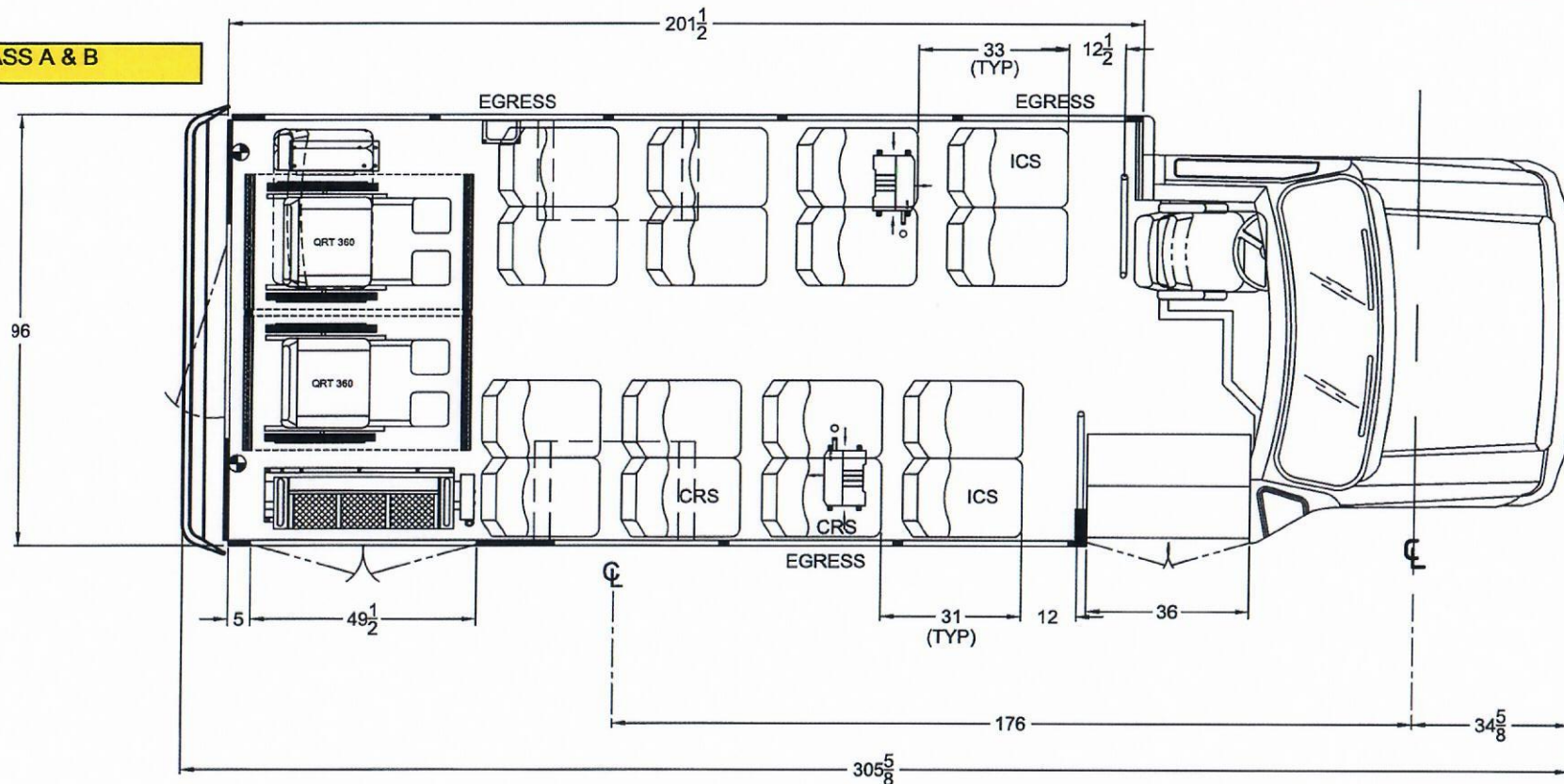
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CLASS A & B



DEALER APPROVAL

☐ APPROVED

CUSTOMER SIGNATURE

NOTE: SHOWN WITH MID HI FREEDMAN SEATS
E-450 14,500 GVWR
THIS FLOOR PLAN IS FOR ILLUSTRATION PURPOSES ONLY.
A WEIGHT ANALYSIS HAS NOT YET BEEN PERFORMED.
FINAL APPROVAL WITH A WEIGHT ANALYSIS IS REQUIRED UPON RECEIPT OF A
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OPTIONAL EQUIPMENT MAY BE SHOWN.
THE SALES ORDER PLACED DICTATES ACTUAL OPTION CONTENT.

SCALE
IN INCHES



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REV. LET.	DESCRIPTION OF CHANGE	BY	CHK	DATE	ECN No.

TOLERANCE UNLESS OTHERWISE SPECIFIED

WOOD	OTHER
± 1/8"	± 1/16"
± 1"	± 1/2"



FOREST RIVER BUS

DWG. No. 16 2 WC 1 DB FOLD 176 190-3 FRB

TITLE:

16 2 W/C 176 WB 190 BDY
MODEL 25

NAME: DHERNANDEZ DATE: 12/16/22

1/5/2023 16 2 WC 1 DB FOLD 176 190-3 FRB WA

109520ST
NO HEAVY OPTIONS



CNGP530 176"
==>

VEHICLE ORDER CONFIRMATION

01/11/23 11:11:40

Dealer: F53110

Page: 1 of 1

2024 ECONOLINE

Order No: 0009 Priority: A4 Ord FIN: QS078 Order Type: 5B Price Level: 41!
Ord PEP: 782A Cust/Flt Name: WEST VIRGINA PO Number:

	RETAIL	DLR INV		RETAIL	DLR INV
E4F COM CUTAWAY VAN	\$39670	\$37686.00			
176" WHEELBASE			.FRT LICENSE BKT		
YZ OXFORD WHITE			.ENG BLK HEATER		
M CLOTH CPTS CHRS	NC	NC	.FRAME PUCKS		
E MEDIUM FLINT			18A EXT UPGRADE PKG	NC	NC
782A PREF EQUIP PKG			L23 SURCHARGE	NC	NC
.STANDARD TRIM			FLEET SPCL ADJ	NC	(390.00)
572 .A/C FRONT ONLY			SHUTTLE BUS DIS	(460)	(418.00)
587 .ELEC AM/FM CLK			162 FLR VINYL, FRT		
646 .16" WHITE WHLS					
99N 7.3L PRE ENGINE	NC	NC	TOTAL BASE AND OPTIONS	42485	38086.12
44P ELEC 6-SPD AUTO			TOTAL	42485	38086.12
T68 .LT225/75R16E			*THIS IS NOT AN INVOICE*		
X83 4.56 REG X83	NC	NC			
47B SHUTTLE BUS PKG	460	418.00	* MORE ORDER INFO NEXT PAGE *		

F8=Next

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006 - MORE DATA IS AVAILABLE.

QE052382

CNGP530

VEHICLE ORDER CONFIRMATION

01/11/23 11:11:40

Dealer: F53110

Page: 2 of 1

2024 ECONOLINE

Order No: 0009 Priority: A4 Ord FIN: QS078 Order Type: 5B Price Level: 41!
Ord PEP: 782A Cust/Flt Name: WEST VIRGINA PO Number:

	RETAIL	DLR INV		RETAIL	DLR INV
20F 14500# GVWR	NC	NC	68W WIFI 4G DELETE	\$(20)	\$(18.00)
21T DR CAPT CHAIR	85	78.00	874 4 SPEAKERS	30	28.00
425 50 STATE EMISS	NC	NC	90P PWR DRIVER SEAT	390	355.00
47Z AMB PKG NOT REQ			942 DAYTIME LIGHTS	25	23.00
51A SPARE TIRE/WHL	240	219.00	SP DLR ACCT ADJ		(820.00)
525 CRUISE CONTROL	240	219.00	SP FLT ACCT CR		(1126.00)
54F MIRROR, DELETE			FUEL CHARGE		21.12
57J AUX HTR CONNECT	25	23.00	B4A NET INV FLT OPT	NC	7.00
60X RT DOOR NOT INC	(200)	(182.00)			
.PASS AIRBAG DEL			TOTAL BASE AND OPTIONS	42485	38086.12
625 RRVIEW MIRROR	NC	NC	TOTAL	42485	38086.12
630 ALTERNATOR	160	145.00	*THIS IS NOT AN INVOICE*		
634 DUAL BATTERIES	245	223.00			
656 FUEL TANK 55 GL			* MORE ORDER INFO NEXT PAGE *		
672 FRT MAX GAWR	NC	NC	F7=Prev F8=Next		

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School & Commercial Bus Sales

Rohrer Bus Sales response to CRFQ DMT2300000009, 176'-190" WB Cutaway Vehicles



Ford E450 chassis with Eldorado Advantage bus body

Mechanical Description for Classes C and D are the same except for paint and graphics

ADVANTAGE - FORD E450 - 14,500 GVWR - CONVERSION ONLY PRICING

ADVANTAGE 25 190" WB E-450 7.3L Premium Gas Engine W/240 Amp Ford Alt *	E	1011	C	1
SPECIAL INSTRUCTIONS OR NOTES				1
2 sets 11x17 laminated as-built schematics - Rohrer to complete (3.16.1)				1
Graphics - Rohrer to subcontract				1
Chains, jack and lug wrench - Rohrer to supply				1
27" HIP-TO-KNEE SEAT SPACING MINIMUM				1
SPECIAL BUILD OPTIONS				1
Front End Alignment w/ Camber & Caster. Include Documentation.	ST	99		1
Lift Master Power Switch on Dash.	ST	99		1
Wheel chocks - 1 Pair. Ship Loose	ST	99		1
Perko Hood Vents mounted on chassis hood (SET OF 2)	ST	99		1
Stainless Steel Exterior Screws & Bolts	ST	99		1
Black Rubber Rub Rail ilo Standard.	ST	99		1
Black Rubber Rear Fender Flares ilo Standard	ST	99		1
2" White Reflective Tape Around Egress Windows & Both Windows of Rear Door	ST	99		1
SPORTWORKS Bike Rack Mounting Plate Only on Front of Bus.	ST	99		1
As-Built Parts Manual on USB Flash Drive	ST	99		1

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Price option for Intermotive Flex Speak seperately, not in base bus	ST	99		0
WARRANTY				
Optional Eldorado 3 Year / 36,000 Mile Limited Warranty	05	STD		1
ELECTRICAL SYSTEM				
Intermotive Flex Tech Electrical System	05	STD		1
SIDEWALL / REARWALL / CEILING				
Sidewall: Grey FRP	05	STD		1
Driver Area: Grey Padded Vinyl	05	STD		1
FRP on Ceiling, Grey	05	2289		1
FRP on Rearwall, Grey	05	2040		1
FRP on Sidewall Under Seat Track, Grey	05	2093		1
FLOORING - WHITE NOSING IS STANDARD				
Under Seats: Gerflor Sirius NT #6801 Graphite (Black)	05	STD		1
5/8" MarineTech Plywood Floor	05	2202		1
AISLE, WC AREA & STEPWELL: Gerflor Sirius NT #6727 Anthracite (Grey)	ST	99		1
GerFlor "STEPBUS" Aluminuim Step Nosing with Yellow Abrasive Insert	ST	99		3
CHASSIS				
Front Mud Flap (1), Passenger Side Only (to be used with Running Board) - NOT AVAILABLE ON FORD TRANSIT	05	2340		1
Heavy Duty Anti-Slip Aluminum Running Board on Driver Side (Large) (NOT AVAILABLE ON FORD TRANSIT)	05	2623		1
Mor-Ryde RS Suspension (SUBJECT TO WEIGHT ANALYSIS APPROVAL)	05	99		1
Galvanized Belly Metal (SUBJECT TO WEIGHT ANALYSIS APPROVAL)	05	2275		1
Exterior Mirror Set, Remote/Heated, Ford	05	2444		1
Romeo Rim Rear Bumper	05	2156		1
Valve Stem Extender Inner Dual Rear Wheel, pair	05	8606		1
Stainless Steel Entry Step Assembly - Includes Sides & Header	05	22041		1
Metal Locking Door for Fuel Fill	05	22045		1
Bag & Place Spare Tire on Cardboard for Shipping		NOTE		1
USE SPECIAL STEPWELL TO MEET 12" 1ST-STEP-TO-GROUND REQUIREMENT. REFERENCE ENGINEERING DRAWING # 31-28-0096-14.		NOTE		1
ENVIRONMENTAL CONTROL				
TRANS/AIR AIR CONDITIONING SYSTEMS				
DUAL COMPRESSOR SYSTEMS CEILING MOUNT EVAPORATOR				1
1 = TA77 INDEPENDENT OF OEM DASH A/C W/LARGER COMPRESSOR				1
**RECOMMENDED BY A/C MFR				1
TA773 SUPER 80K - TA77 EVAP - SMC3L COND - 13.4 C.I.D. COMP UPGRADE TO TA774C OR TA77R90 FOR HOT CLIMATES CHASSIS/ENGINE BELOW				1
NOTE: (SELECT				
1 TA773 SUPER 13 FORD 7.3 LITRE PREMIUM GAS ENGINE	05	10479		1
HEATERS				
Hot Water Heater, 40K BTU 3 Speed				1
05 99				2
MISCELLANEOUS				
Heater Booster Pump - does not include electric valves				1
Defroster Fan - Mount Location:	05	20088		1
Right side of bulkhead aimed at driver	05	20092		1

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ELECTRICAL				
Door Ajar Buzzer on Rear Door	05	22079		1
Door Ajar Warning on Wheelchair Door - Buzzer and Light in Driver Area	05	22082		1
Window Ajar Alarm Buzzer on Egress Window, each	05	8679		3
Stainless Steel Battery Box & Tray	IS 304 REQUIRED?	No	05	2527
Light in Engine Area	05	2316		1
ADA Stop Request, Pull Cord, Dual Auditory Tones, Dual Face Sign w/LED for ADA Request	05	2785		1
Touch Tape at WC area for ADA Stop Request - Activates 2nd Auditory Tone (Ea.)	05	2786		2
Heated Entry Step, Electric	05	22098		1
Laminated Wiring Schematic ***AS BUILT*** ON ELECTRICAL PANEL DOOR	05	22101		1
Wiring Diagram "AS BUILT" ON USB Flash Drive		STD		1
ANGEL TRAX 6-CAMERA SURVEILLANCE SYSTEM W/ VULCAN 12-CHANNEL DVR, 1 TB PLATTER HARD DRIVE & VANDAL-RESISTANT LOCKING FRONT COVER. INCLUDES WI-FI CELLULAR TRI-MODE ANTENNA. MOUNT DVR ON DRIVER MODESTY PANEL. SEE FLOOR PLAN FOR CAMERA LOCATIONS.	ST	99		1
WIRE HARNESSSES SECURED EVERY 12" MINIMUM		NOTE		1
NON-LOCKING LATCHES ON BATTERY BOX DOOR		NOTE		1
DESTINATION SIGNS/I.D. SIGN/FRONT VIEW WINDOW				
Transign LD12112 Front LED Sign 12x112 Display w/OCU	05	20122		1
Transign LD1280 Side LED Sign 12x80 Display-Requires Front Sign	05	20123		1
FRONT DESTINATION SIGN REQUIRES MOUNTING BRACKETS ON TOP SIDE OF SIGN	ST	99		1
FAREBOXES				
Half Stanchion w/ Elbow to Driver Stanchion for Future Farebox	ST	99		1
PRE-WIRE FOR FAREBOX (Ignition Hot & Ground) RUN TO BEHIND DRIVER SEAT FOR FUTURE FAREBOX MOUNTED ON MODESTY PANEL STANCHION. INCLUDE 8' OF COILED WIRE.	ST	99		1
EXTERIOR LIGHTS				
Surface Mount LED Entry Door Exterior Light - STD Choose Optional Below or Special builds	05	STD		1
Turn Signals Flash With Open Door	05	20135		1
LED Rear Center Mount Brake Light, Rectangular	05	20136		1
LED Mid-Ship Turn / Marker Lights	05	20138		1
Independent RED Brake & AMBER Turn Signal Lights	05	20139		1
Strobe Light, Roof Mounted COLOR:	05	20140		1
BRANCH GUARD FOR STROBE LIGHT	ST	99		1
INTERIOR LIGHTS				
Additional Interior LED Dome Lamp - Each	05	8041		2
AUDIO / VISUAL				
PA System w/ Hand Held Mic & Clip Integrated with OEM Radio		99		1
Additional Speaker(s), Each	05	20157		3
FORD E-SERIES OEM AM/FM/BT RADIO ORDERED ON CHASSIS		NOTE		1
4 Speakers with Wire to Chassis OEM Radio (if supplied)	05	8822		1
Ground Plane for 2-Way Radio, Pull Cord, Conduit Terminates B Pillar Floor	05	20160		1
External Speaker with ON/OFF Switch (each)	05	20162		1
PRE-WIRE (BATTERY HOT & GROUND) FOR 2-WAY RADIO. RUN TO DOGHOUSE AREA & LEAVE 6' OF COILED WIRE.	ST	99		1

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FOR ADDITIONAL SPEAKERS: 2 IN MAIN CABIN, 1 IN DRIVER DOOR					NOTE		1
DOORS / HATCH / WINDOWS							
Electric Entry Door is Standard. Add Option #2056 if Manual is Desired							
Passenger Door Electric (standard)				05	20163		1
Passenger Door 36" ROUGH OPENING (STANDARD)				05	2063		1
Exterior Passenger Entrance Door Key				05	8133		1
Rear Door, (1) Window - Standard Left Hand Hinge				05	8016		1
Additional Window for Rear Door				05	8682		1
Twin Windows Either Side of Rear Door				05	20175		1
Roof Hatch - Transpec 1070 Series Dual Purpose Safety Vent II				05	20179		1
Extra Egress Window(s)	Total Number of Egress Windows: 2 SS 1 CS			05	20188		1
LUGGAGE RACK / STORAGE				1			
Driver Storage in Cab Overhead				05	20191		1
PARATRANSIT OPTIONS				1			
2" Wider Double W/ C Doors w/ Windows, LED Interior Lights, Leaf Spring, LED Exterior Lighting				05	20207		1
Required for Lifts Wider than 34" N/A 138-139" WB Front Lifts, ADVANCE 158"WB 22'. Requires Raised Floor on ADVANTAGE 158"WB 22'					NOTE		1
IS THE LIFT IN THE FRONT OR REAR OF THE UNIT?				FRONT		1	
BRAUN LIFTS				1			
BRAUN WHEELCHAIR LIFT NCL1000FIB3751HB-2 1000LBS. REQUIRES 2" WIDER DOORS. INCLUDES SAFETY BELT INSTALLED.				ST	99		1
LIFT FAST IDLE WITH 403 INTERLOCK				1			
Intermotive Gateway 508-F Ford E or 517-F Transit Fast Idle with Lift Interlock				05	99		1
Q Straint W.C. Securement Kits, Accessories				1			
Q10032 - 4 QRT 360 Retractor Tie Down L-Track & Q5-6415-RET-L L-Track Mounted Retractable Shoulder Belt W/ Q8-6325 Lap Belt				05	99		2
Q5-7580-4 18" Blue Webbing Loop (each)				05	20250		4
Q Straint Belt Storage Pouch				05	8102		2
Q-Straint Belt Cutter (ship loose)				05	8179		1
Miscellaneous Accessories				1			
L Track for Wheelchair Tiedown (per foot)				05	20254		24
Priority Seating Sign **Required for ADA Compliance**				05	8104		4
Wheelchair Decal (International Symbol of Accessibility) Each				05	8105		1
Tool Box Wheelchair Belt Storage				05	20257		1
Mount Priority Seating Signs on 1st 2 Rows on Each Side					NOTE		1
Mount WC Decal on Rear Wall Exterior					NOTE		1
Mount Tool Box on Floor in Co-Pilot Area					NOTE		1
Full-Length L-track on Floor & Side Wall in WC Area. See Floor Plan.					NOTE		1
SAFETY OPTIONS							
5 Lb Fire Extinguisher				05	8089		1
Emergency Triangle Kit				05	8091		1
Back-Up Alarm SAE Type C 97 db(A)				05	20267		1
STANDARD ROSCO STSK4750 BACK-UP CAMERA SYSTEM W/ 7" REARVIEW MONITOR / MIRROR COMBO				05	STD		1
Interior Flat Mirror, 6" x 16" (N/A ON DUAL DOOR CHASSIS)				05	20277		1

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Wide Angle Lens 11"x14", Fresnel	05	20278	1
Red Light Over Emergency Exit Ea: ON:	05	8155	5
"NO SMOKING" Sign	05	20282	1
Yellow "Standee" Line	05	8802	1
Decal "Please Fasten your Seat Belt"	05	20286	1
Decal "Please Watch Your Step"	05	20288	2
Decal Vehicle Height Sticker	05	20289	1
Emergency Exit Decal RED LOCATION:	05	20292	4
American Safety First Aid Kit #0122-LOG	ST	99	1
American Safety Body Fluid Clean-up Kit #2701	ST	99	1
American Safety Mylar Blanket #2466	ST	99	2
American Safety Wool Fire Blanket #2460	ST	99	1
American Safety Reflective Safety Vest	ST	99	1
ADDITIONAL INTERIOR DECALS:	ST	99	1
"Emergency Dial 911" MOUNT ON FRONT BULKHEAD	ST	99	1
"Emergency Equipment" SHIP LOOSE	ST	99	1
ADDITIONAL EXTERIOR DECALS (Ship Loose):			1
"THIS VEHICLE MAKES FREQUENT STOPS"	ST	99	1
"THIS VEHICLE STOPS AT RAILROAD CROSSINGS"	ST	99	1
"CAUTION: STAND CLEAR OF THE LIFT"	ST	99	1
GRAB RAIL / STANCHION / PANELS			
Ceiling Grab Rail - Install on Both Sides	05	99	1
Left Hand Entry Vertical Grab Rail - 1 1/4"		STD	1
1 1/4" Dual Entry Grab Rails Parallel to Entrance Steps (both sides)	05	8130	1
Stanchion and Modesty Panel at Entry Door		STD	1
Stanchion and Modesty Panel Behind Driver	05	20301	1
Padding on Stanchion - Gray - Per 40" Max Length Each (note location(s) below)	05	20304	2
PAD STANCHIONS AT DRIVER AISLE-SIDE & ENTRY MOD PANEL		NOTE	1
Add Tinted Plexiglass Upper Panel LOCATION: Driver	05	8146	1
SEATING - DRIVER			
OEM DRIVER'S SEAT ORDERED ON CHASSIS		NOTE	1
SEATING - PASSENGER			
STD RIGID SEATS			
Mid High Double Seat	05	8067	5
FOLDAWAY SEATS			
Foldaway Seat - Mid-High Notch Back Double AM (non-wheelwell)	05	2336	2
ICS & 3POINT SEATS **REQUIRES WEIGHT ANALYSIS FOR APPROVAL **			1
Double Seat with (1) Integrated Child Seat and (1) Mid High Back 2nd Seat	05	2331	2
PASSENGER SEAT FABRICS			
Seat Cover - Level 4 Ice Pinstripe; Mor-Care; Leathermate	05	2074	18
SEAT OPTIONS			
ABS Seat Backs Per Person (Mid-High Rigid and Notchback Folds Only)	05	2664	12
Anti-Vandal Grab Handle, Black Ea on:	05	2311	14
Black US Armrest - Each - on:	05	2077	9
Child Restraint System CRS225 Clips - Per Person	05	2554	2
FREEDMAN SEATING SPECIAL BUILD OPTIONS			

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NOTE: ABS SEAT BACKS GO ON ALL SEATS EXCEPT THE ICS SEATS & AGAINST REAR WALL.				ST	99		1
SEAT BELTS							1
Seat Belt, Freedman USR Retractable (Per Person)				05	2282		18
Seat Belt Extension, 12" (P/N 56410) FOR USR SEAT BELTS				05	8771		5

Thank you for your consideration

David

D.M. Clawson, Jr.
Bus Sales & Administration



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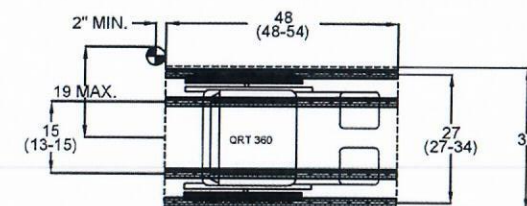
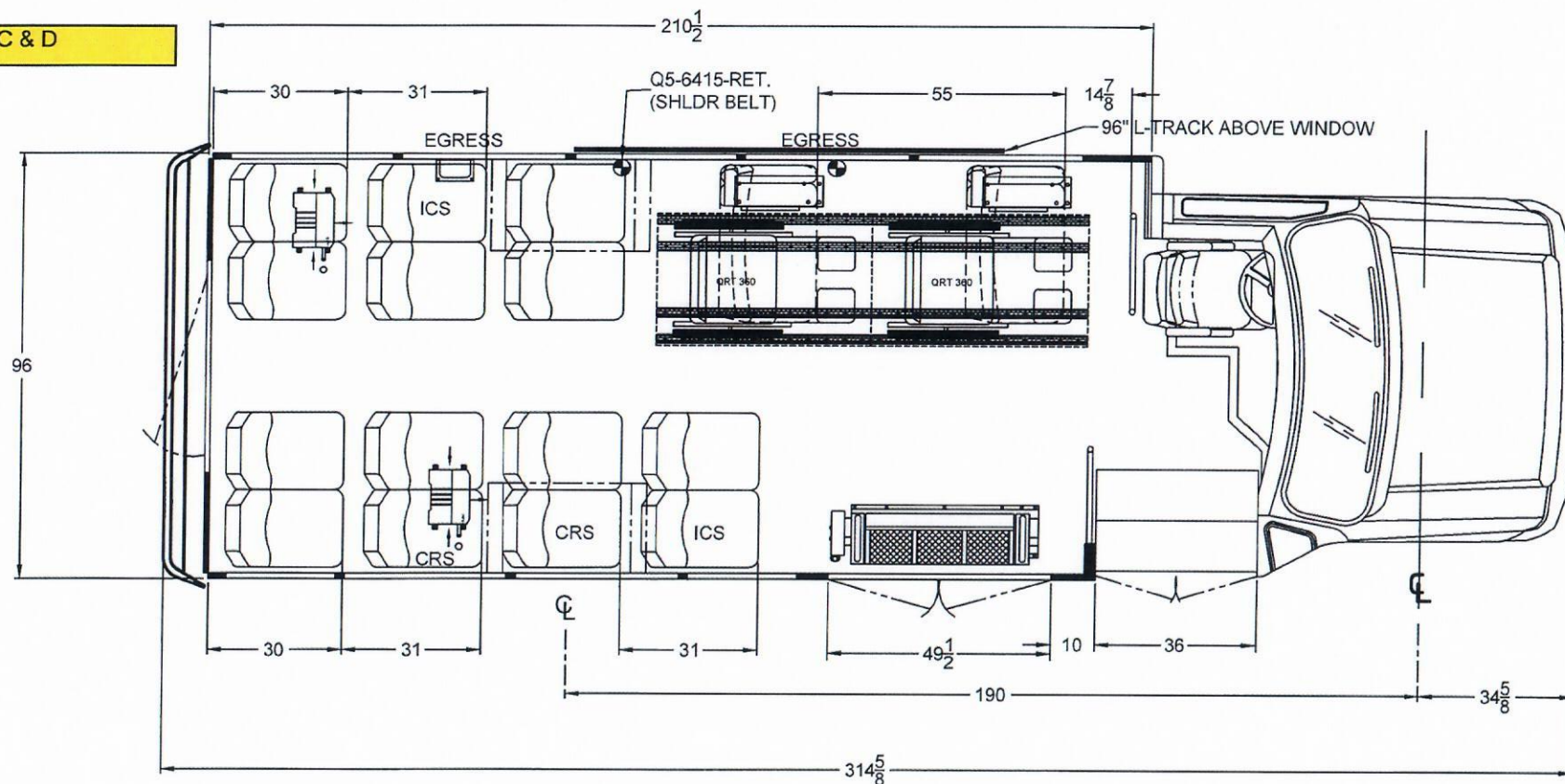
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Class C & D



DEALER APPROVAL

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CUSTOMER SIGNATURE

NOTE: SHOWN WITH MID HI FREEDMAN SEATS
E-450 14,500 GVWR
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LET.					

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FOREST RIVER BUS

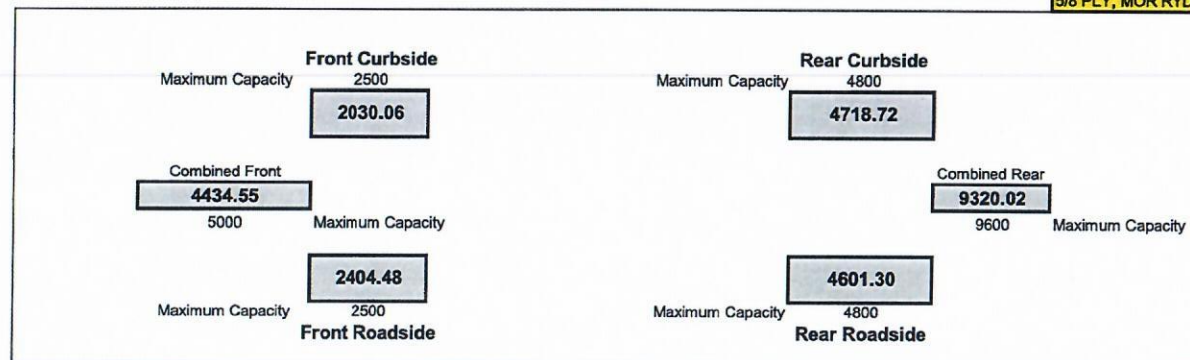
DWG. No. 14 2 WC 2 DB FOLDS 190 199-3 FRB

TITLE
14 2 W/C 190" WB 199 BDY
MODEL 26

NAME CRANS DATE 01/06/23

1/5/2023 14 2 WC 2 DB FOLDS 190 199-3 FRB WA

104164B	
5/8 PLY, MOR RYDE, H.D. RUN. BOARD	



CNGP530 158" → 190" VEHICLE ORDER CONFIRMATION

01/11/23 11:10:21

Dealer: F53110

Page: 1 of 1

2024 ECONOLINE

Order No: 0009 Priority: A4 Ord FIN: QS078 Order Type: 5B Price Level: 41!
Ord PEP: 782A Cust/Flt Name: WEST VIRGINA PO Number:

	RETAIL	DLR INV		RETAIL	DLR INV
E4F COM CUTAWAY VAN	\$38940	\$36993.00			
158" WHEELBASE			.FRT LICENSE BKT		
YZ OXFORD WHITE			.ENG BLK HEATER		
M CLOTH CPTS CHRS	NC	NC	.FRAME PUCKS		
E MEDIUM FLINT			EXT UPGRADE PKG	NC	NC
782A PREF EQUIP PKG			L23 SURCHARGE	NC	NC
.STANDARD TRIM			FLEET SPCL ADJ	NC	(390.00)
572 .A/C FRONT ONLY			SHUTTLE BUS DIS	(460)	(418.00)
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99N 7.3L PRE ENGINE	NC	NC	TOTAL BASE AND OPTIONS	41755	37427.12
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QE052382

CNGP530 VEHICLE ORDER CONFIRMATION

01/11/23 11:11:10

Dealer: F53110

Page: 2 of 1

2024 ECONOLINE

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School & Commercial Bus Sales

Rohrer Bus Sales response to CRFQ DMT2300000009, 176"-190" WB Cutaway Vehicles



Ford E450 chassis with Eldorado Advantage bus body

Mechanical Description for Classes E and F are the same except for paint and graphics

ADVANTAGE - FORD E450 - 14,500 GVWR - CONVERSION ONLY PRICING

ADVANTAGE 25 190" WB E-450 7.3L Premium Gas Engine W/240 Amp Ford Alt *	E	1011	C	1
SPECIAL INSTRUCTIONS OR NOTES				1
2 sets 11x17 laminated as-built schematics - Rohrer to complete (3.16.1)				NOTE 1
Graphics - Rohrer to subcontract				NOTE 1
Chains, jack and lug wrench - Rohrer to supply				NOTE 1
Full Body Paint or 3/4 Paint w/ Expanded Graphics Pricing by Dealer				NOTE 1
27" HIP-TO-KNEE SEAT SPACING MINIMUM				NOTE 1
SPECIAL BUILD OPTIONS				1
Front End Alignment w/ Camber & Caster. Include Documentation.	ST	99		1
Lift Master Power Switch on Dash.	ST	99		1
Wheel chocks - 1 Pair. Ship Loose	ST	99		1
Perko Hood Vents mounted on chassis hood (SET OF 2)	ST	99		1
Stainless Steel Exterior Screws & Bolts	ST	99		1
Black Rubber Rub Rail ilo Standard.	ST	99		1
Black Rubber Rear Fender Flares ilo Standard	ST	99		1
2" White Reflective Tape Around Egress Windows & Both Windows of Rear Door	ST	99		1
SPORTWORKS Bike Rack Mounting Plate Only on Front of Bus.	ST	99		1
As-Built Parts Manual on USB Flash Drive	ST	99		1

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Full Body Paint or 3/4 Paint w/ Expanded Graphics Pricing by Dealer	ST	99		1
Price option for Intermotive Flex Speak seperately, not in base bus	ST	99		0
WARRANTY				
Optional Eldorado 3 Year / 36,000 Mile Limited Warranty	05	STD		1
ELECTRICAL SYSTEM				
Intermotive Flex Tech Electrical System	05	STD		1
SIDEWALL / REARWALL / CEILING				
Sidewall: Grey FRP	05	STD		1
Driver Area: Grey Padded Vinyl	05	STD		1
FRP on Ceiling, Grey	05	2289		1
FRP on Rearwall, Grey	05	2040		1
FRP on Sidewall Under Seat Track, Grey	05	2093		1
FLOORING - WHITE NOSING IS STANDARD				
Under Seats: Gerflor Sirius NT #6801 Graphite (Black)	05	STD		1
5/8" MarineTech Plywood Floor	05	2202		1
AISLE, WC AREA & STEPWELL: Gerflor Sirius NT #6727 Anthracite (Grey)	ST	99		1
GerFlor "STEPBUS" Aluminuim Step Nosing with Yellow Abrasive Insert	ST	99		3
CHASSIS				
Front Mud Flap (1), Passenger Side Only (to be used with Running Board) - NOT AVAILABLE ON FORD TRANSIT	05	2340		1
Heavy Duty Anti-Slip Aluminum Running Board on Driver Side (Large) (NOT AVAILABLE ON FORD TRANSIT)	05	2623		1
Mor-Ryde RS Suspension (SUBJECT TO WEIGHT ANALYSIS APPROVAL)	05	99		1
Galvanized Belly Metal (SUBJECT TO WEIGHT ANALYSIS APPROVAL)	05	2275		1
Exterior Mirror Set, Remote/Heated, Ford	05	2444		1
Romeo Rim Rear Bumper	05	2156		1
Valve Stem Extender Inner Dual Rear Wheel, pair	05	8606		1
Stainless Steel Entry Step Assembly - Includes Sides & Header	05	22041		1
Metal Locking Door for Fuel Fill	05	22045		1
Bag & Place Spare Tire on Cardboard for Shipping		NOTE		1
USE SPECIAL STEPWELL TO MEET 12" 1ST-STEP-TO-GROUND REQUIREMENT. REFERENCE ENGINEERING DRAWING # 31-28-0096-14.		NOTE		1
ENVIRONMENTAL CONTROL				
TRANS/AIR AIR CONDITIONING SYSTEMS				
DUAL COMPRESSOR SYSTEMS CEILING MOUNT EVAPORATOR				1
¹ = TA77 INDEPENDENT OF OEM DASH A/C W/LARGER COMPRESSOR				1
**RECOMMENDED BY A/C MFR				1
TA773 SUPER 80K - TA77 EVAP - SMC3L COND - 13.4 C.I.D. COMP UPGRADE TO TA774C OR TA77R90 FOR HOT CLIMATES CHASSIS/ENGINE BELOW)				1
NOTE: (SELECT				
¹ TA773 SUPER 13 FORD 7.3 LITRE PREMIUM GAS ENGINE	05	10479		1
HEATERS				
Hot Water Heater, 40K BTU 3 Speed	05	99		2
MISCELLANEOUS				
Heater Booster Pump - does not include electric valves	05	20088		1
Defroster Fan - Mount Location: Right side of bulkhead aimed at driver	05	20092		1

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ELECTRICAL				
Door Ajar Buzzer on Rear Door	05	22079		1
Door Ajar Warning on Wheelchair Door - Buzzer and Light in Driver Area	05	22082		1
Window Ajar Alarm Buzzer on Egress Window, each	05	8679		3
Stainless Steel Battery Box & Tray	IS 304 REQUIRED?	No	05	2527
Light in Engine Area	05	2316		1
ADA Stop Request, Pull Cord, Dual Auditory Tones, Dual Face Sign w/LED for ADA Request	05	2785		1
Touch Tape at WC area for ADA Stop Request - Activates 2nd Auditory Tone (Ea.)	05	2786		2
Heated Entry Step, Electric	05	22098		1
Laminated Wiring Schematic ***AS BUILT*** ON ELECTRICAL PANEL DOOR	05	22101		1
Wiring Diagram "AS BUILT" ON USB Flash Drive		STD		1
ANGEL TRAX 6-CAMERA SURVEILLANCE SYSTEM W/ VULCAN 12-CHANNEL DVR, 1 TB PLATTER HARD DRIVE & VANDAL-RESISTANT LOCKING FRONT COVER. INCLUDES WI-FI CELLULAR TRI-MODE ANTENNA. MOUNT DVR ON DRIVER MODESTY PANEL. SEE FLOOR PLAN FOR CAMERA LOCATIONS.	ST	99		1
WIRE HARNESSSES SECURED EVERY 12" MINIMUM		NOTE		1
NON-LOCKING LATCHES ON BATTERY BOX DOOR		NOTE		1
DESTINATION SIGNS/I.D. SIGN/FRONT VIEW WINDOW				
Transign LD12112 Front LED Sign 12x112 Display w/OCU	05	20122		1
Transign LD1280 Side LED Sign 12x80 Display-Requires Front Sign	05	20123		1
FRONT DESTINATION SIGN REQUIRES MOUNTING BRACKETS ON TOP SIDE OF SIGN	ST	99		1
FAREBOXES				
Half Stanchion w/ Elbow to Driver Stanchion for Future Farebox	ST	99		1
PRE-WIRE FOR FAREBOX (Ignition Hot & Ground) RUN TO BEHIND DRIVER SEAT FOR FUTURE FAREBOX MOUNTED ON MODESTY PANEL STANCHION. INCLUDE 8' OF COILED WIRE.	ST	99		1
EXTERIOR LIGHTS				
Surface Mount LED Entry Door Exterior Light - STD Choose Optional Below or Special builds	05	STD		1
Turn Signals Flash With Open Door		WHEELCHAIR DOOR	05	20135
LED Rear Center Mount Brake Light, Rectangular	05	20136		1
LED Mid-Ship Turn / Marker Lights	05	20138		1
Independent RED Brake & AMBER Turn Signal Lights	05	20139		1
Strobe Light, Roof Mounted COLOR:		WHITE	05	20140
BRANCH GUARD FOR STROBE LIGHT	ST	99		1
INTERIOR LIGHTS				
Additional Interior LED Dome Lamp - Each	05	8041		2
AUDIO / VISUAL				
PA System w/ Hand Held Mic & Clip Integrated with OEM Radio		99		1
Additional Speaker(s), Each	05	20157		3
FORD E-SERIES OEM AM/FM/BT RADIO ORDERED ON CHASSIS		NOTE		1
4 Speakers with Wire to Chassis OEM Radio (if supplied)	05	8822		1
Ground Plane for 2-Way Radio, Pull Cord, Conduit Terminates B Pillar Floor	05	20160		1
External Speaker with ON/OFF Switch (each)	05	20162		1
PRE-WIRE (BATTERY HOT & GROUND) FOR 2-WAY RADIO. RUN TO DOGHOUSE AREA & LEAVE 6' OF COILED WIRE.	ST	99		1

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FOR ADDITIONAL SPEAKERS: 2 IN MAIN CABIN, 1 IN DRIVER DOOR			NOTE	1	
DOORS / HATCH / WINDOWS					
Electric Entry Door is Standard. Add Option #2056 if Manual is Desired					
Passenger Door Electric (standard)	05	20163		1	
Passenger Door 36" ROUGH OPENING (STANDARD)	05	2063		1	
Exterior Passenger Entrance Door Key	05	8133		1	
Rear Door, (1) Window - Standard Left Hand Hinge	05	8016		1	
Additional Window for Rear Door	05	8682		1	
Twin Windows Either Side of Rear Door	05	20175		1	
Roof Hatch - Transpec 1070 Series Dual Purpose Safety Vent II	05	20179		1	
Extra Egress Window(s)	Total Number of Egress Windows: 2 SS 1 CS		05	20188	1
LUGGAGE RACK / STORAGE					
Driver Storage in Cab Overhead	05	20191		1	
Overhead Luggage Rack - Both Sides	05	8020		1	
Do Not Install Luggage Racks over Wheelchair Area		NOTE		1	
PARATRANSIT OPTIONS					
2" Wider Double W/ C Doors w/ Windows, LED Interior Lights, Leaf Spring, LED Exterior Lighting	05	20207		1	
Required for Lifts Wider than 34" N/A 138-139" WB Front Lifts, ADVANCE 158"WB 22'. Requires Raised Floor on ADVANTAGE 158"WB 22'			NOTE	1	
IS THE LIFT IN THE FRONT OR REAR OF THE UNIT?			FRONT	1	
BRAUN LIFTS					
BRAUN WHEELCHAIR LIFT NCL1000FIB3751HB-2 1000LBS. REQUIRES 2" WIDER DOORS. INCLUDES SAFETY BELT INSTALLED.	ST	99		1	
LIFT FAST IDLE WITH 403 INTERLOCK					
Intermotive Gateway 508-F Ford E or 517-F Transit Fast Idle with Lift Interlock	05	99		1	
Q Straint W.C. Securement Kits, Accessories					
Q10032 - 4 QRT 360 Retractor Tie Down L-Track & Q5-6415-RET-L L-Track Mounted Retractable Shoulder Belt W/ Q8-6325 Lap Belt	05	99		2	
Q5-7580-4 18" Blue Webbing Loop (each)	05	20250		4	
Q Straint Belt Storage Pouch	05	8102		2	
Q-Straint Belt Cutter (ship loose)	05	8179		1	
Miscellaneous Accessories					
L Track for Wheelchair Tiedown (per foot)	05	20254		24	
Priority Seating Sign **Required for ADA Compliance**	05	8104		4	
Wheelchair Decal (International Symbol of Accessibility) Each	05	8105		1	
Tool Box Wheelchair Belt Storage	05	20257		1	
Mount Priority Seating Signs on 1st 2 Rows on Each Side		NOTE		1	
Mount WC Decal on Rear Wall Exterior		NOTE		1	
Mount Tool Box on Floor in Co-Pilot Area		NOTE		1	
Full-Length L-track on Floor & Side Wall in WC Area. See Floor Plan.		NOTE		1	
SAFETY OPTIONS					
5 Lb Fire Extinguisher	05	8089		1	
Emergency Triangle Kit	05	8091		1	
Back-Up Alarm SAE Type C 97 db(A)	05	20267		1	

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STANDARD ROSCO STSK4750 BACK-UP CAMERA SYSTEM W/ 7" REARVIEW MONITOR / MIRROR COMBO		05	STD	1
Interior Flat Mirror, 6" x 16" (N/A ON DUAL DOOR CHASSIS)		05	20277	1
Wide Angle Lens 11"x14", Fresnel		05	20278	1
Red Light Over Emergency Exit Ea: ON:	2 doors 3 windows	05	8155	5
"NO SMOKING" Sign		05	20282	1
Yellow "Standee" Line		05	8802	1
Decal "Please Fasten your Seat Belt"		05	20286	1
Decal "Please Watch Your Step"		05	20288	2
Decal Vehicle Height Sticker		05	20289	1
Emergency Exit Decal RED LOCATION:	Rear Door & Egress Windows	05	20292	4
American Safety First Aid Kit #0122-LOG		ST	99	1
American Safety Body Fluid Clean-up Kit #2701		ST	99	1
American Safety Mylar Blanket #2466		ST	99	2
American Safety Wool Fire Blanket #2460		ST	99	1
American Safety Reflective Safety Vest		ST	99	1
ADDITIONAL INTERIOR DECALS:		ST	99	1
"Emergency Dial 911" MOUNT ON FRONT BULKHEAD		ST	99	1
"Emergency Equipment" SHIP LOOSE		ST	99	1
ADDITIONAL EXTERIOR DECALS (Ship Loose):				1
"THIS VEHICLE MAKES FREQUENT STOPS"		ST	99	1
"THIS VEHICLE STOPS AT RAILROAD CROSSINGS"		ST	99	1
"CAUTION: STAND CLEAR OF THE LIFT"		ST	99	1
GRAB RAIL / STANCHION / PANELS				
Ceiling Grab Rail - Install on Both Sides		05	99	1
Left Hand Entry Vertical Grab Rail - 1 1/4"			STD	1
1 1/4" Dual Entry Grab Rails Parallel to Entrance Steps (both sides)		05	8130	1
Stanchion and Modesty Panel at Entry Door			STD	1
Stanchion and Modesty Panel Behind Driver		05	20301	1
Padding on Stanchion - Gray - Per 40" Max Length Each (note location(s) below)		05	20304	2
PAD STANCHIONS AT DRIVER AISLE-SIDE & ENTRY MOD PANEL			NOTE	1
Add Tinted Plexiglass Upper Panel LOCATION: Driver		05	8146	1
SEATING - DRIVER				
OEM DRIVER'S SEAT ORDERED ON CHASSIS			NOTE	1
SEATING - PASSENGER				
STD RIGID SEATS				
High Back Double Seat		05	8065	5
FOLDAWAY SEATS				
Foldaway Seat - High Back Double		05	2335	2
ICS & 3POINT SEATS **REQUIRES WEIGHT ANALYSIS FOR APPROVAL**				
Double Seat with (1) Integrated Child Seat and (1) High Back 2nd Seat		05	99	2
PASSENGER SEAT FABRICS				
Seat Cover - Level 4 Ice Pinstripe; Mor-Care; Leathermate		05	2074	18
SEAT OPTIONS				
ABS Seat Backs Per Person (Mid-High Rigid and Notchback Folds Only)		05	2664	0
Anti-Vandal Grab Handle, Black Ea on:	All but last row of seats	05	2311	0
Black US Armrest - Each - on:	All aisle seats	05	2077	9
Child Restraint System CRS225 Clips - Per Person		05	2554	2

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SEAT BELTS				1
Seat Belt, Freedman USR Retractable (Per Person)	05	2282		18
Seat Belt Extension, 12" (P/N 56410) FOR USR SEAT BELTS	05	8771		5
Add overhead luggage rack option	01	Special		

Thank you for your consideration

David

D.M. Clawson, Jr.
Bus Sales & Administration



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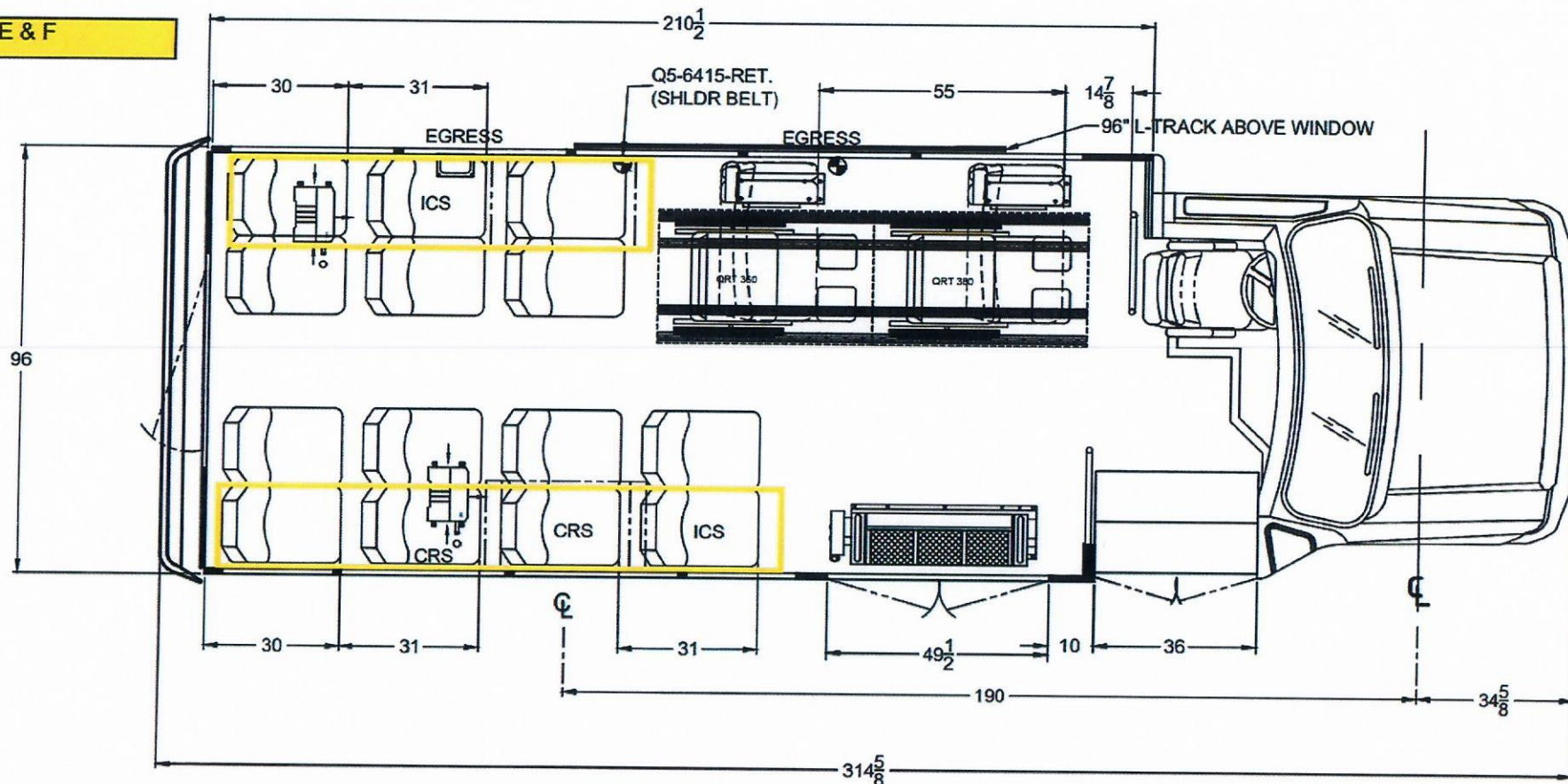
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dclawson@rohrerbus.com

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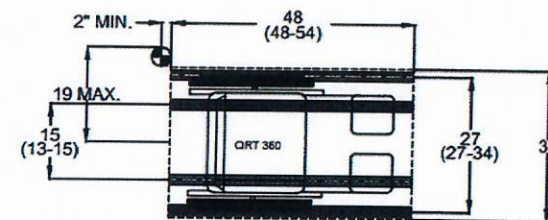
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Class E & F



Note: Weight sensitive floorplan, may require changing or shifting of seats of seats. See weight analysis. Only 745 lbs left



DEALER APPROVAL

APPROVED

CUSTOMER SIGNATURE

NOTE: SHOWN WITH MID HI FREEDMAN SEATS
E-450 14,500 GVWR
THIS FLOOR PLAN IS FOR ILLUSTRATION PURPOSES ONLY.
A WEIGHT ANALYSIS HAS NOT YET BEEN PERFORMED.
FINAL APPROVAL WITH A WEIGHT ANALYSIS IS REQUIRED UPON RECEIPT OF A COMPLETED ORDER WITH ALL OPTIONS SHOWN.
OPTIONAL EQUIPMENT MAY BE SHOWN.
THE SALES ORDER PLACED DICTATES ACTUAL OPTION CONTENT.

SCALE
IN INCHES



DRAWING AND THE INFORMATION THEREON ARE THE SOLE PROPERTY OF FOREST RIVER BUS, A DIVISION OF IT RIVER. IT SHALL NOT BE COPIED OR DUPLICATED IN ANY MANNER, NOR SHALL IT BE SUBMITTED TO OUTSIDE PARTIES FOR EXAMINATION WITHOUT OUR WRITTEN PERMISSION. IT IS LOANED FOR USE WITH REFERENCE TO UNDER CONTRACT WITH, OR PROPOSALS SUBMITTED TO FOREST RIVER BUS, A DIVISION OF FOREST RIVER.

REV. LET.	DESCRIPTION OF CHANGE	BY	CHK	DATE	ECN No.

TOLERANCE UNLESS OTHERWISE SPECIFIED

WOOD	OTHER
+ 1/8"	+ 1/16"
+ 1"	+ 1/2"



FOREST RIVER BUS

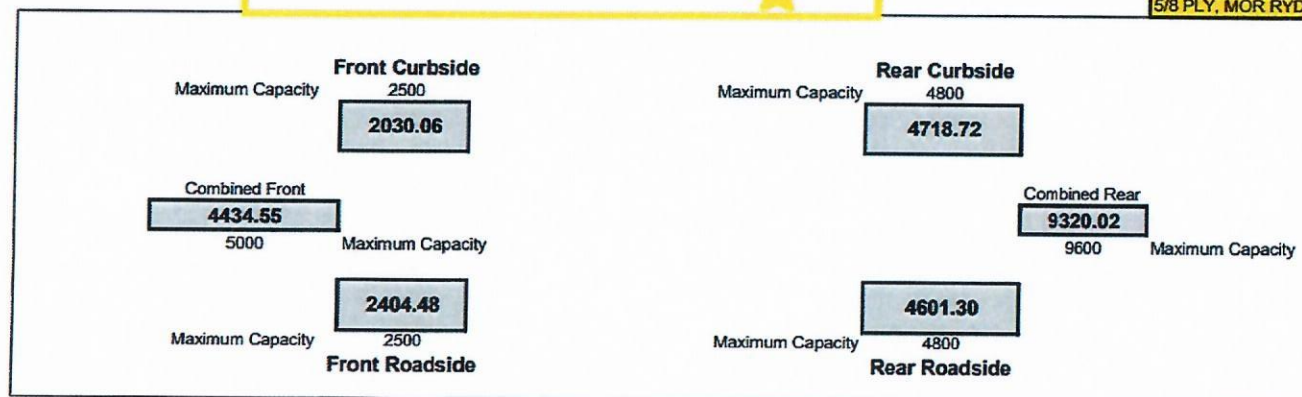
TITLE:
14 2 W/C 190" WB 199 BDY
MODEL 26

NAME: CRANS DATE: 01/06/2

DWG. No. 14 2 WC 2 DB FOLDS 190 199-3 FRB

1/5/2023 14 2 WC 2 DB FOLDS 190 199-3 FRB WA

104164B	
5/8 PLY, MOR RYDE, H.D. RUN. BOARD	



CNGP530 158" → 190" VEHICLE ORDER CONFIRMATION
==>

01/11/23 11:10:27

Dealer: F53110

Page: 1 of 1

2024 ECONOLINE
Order No: 0009 Priority: A4 Ord FIN: QS078 Order Type: 5B Price Level: 41
Ord PEP: 782A Cust/Flt Name: WEST VIRGINA PO Number:

	RETAIL	DLR INV		RETAIL	DLR INV
E4F	COM CUTAWAY VAN	\$38940	\$36993.00	.FRT LICENSE BKT	
	158" WHEELBASE			.ENG BLK HEATER	
YZ	OXFORD WHITE			.FRAME PUCKS	
M	CLOTH CPTS CHRS	NC	NC	18A EXT UPGRADE PKG	NC NC
E	MEDIUM FLINT			L23 SURCHARGE	NC NC
782A	PREF EQUIP PKG			FLEET SPCL ADJ	NC (390.00)
	.STANDARD TRIM			SHUTTLE BUS DIS	(460) (418.00)
572	.A/C FRONT ONLY			162 FLR VINYL, FRT	
587	.ELEC AM/FM CLK				
646	.16" WHITE WHLS				
99N	7.3L PRE ENGINE	NC	NC	TOTAL BASE AND OPTIONS	41755 37427.12
44P	ELEC 6-SPD AUTO			TOTAL	41755 37427.12
T68	.LT225/75R16E			*THIS IS NOT AN INVOICE*	
X83	4.56 REG X83	NC	NC	* MORE ORDER INFO NEXT PAGE *	
47B	SHUTTLE BUS PKG	460	418.00	F8=Next	

F1=Help F2=Return to Order F3/F12=Veh Ord Menu
F4=Submit F5=Add to Library
5006 - MORE DATA IS AVAILABLE.

QE052382

CNGP530 VEHICLE ORDER CONFIRMATION
==>

01/11/23 11:11:16

Dealer: F53110

Page: 2 of 1

2024 ECONOLINE
Order No: 0009 Priority: A4 Ord FIN: QS078 Order Type: 5B Price Level: 41
Ord PEP: 782A Cust/Flt Name: WEST VIRGINA PO Number:

	RETAIL	DLR INV		RETAIL	DLR INV
20F	14500# GVWR	NC	NC	68W WIFI 4G DELETE	\$(20) \$(18.00)
21T	DR CAPT CHAIR	85	78.00	874 4 SPEAKERS	30 28.00
425	50 STATE EMISS	NC	NC	90P PWR DRIVER SEAT	390 355.00
47Z	AMB PKG NOT REQ			942 DAYTIME LIGHTS	25 23.00
51A	SPARE TIRE/WHL	240	219.00	SP DLR ACCT ADJ	(806.00)
525	CRUISE CONTROL	240	219.00	SP FLT ACCT CR	(1106.00)
54F	MIRROR, DELETE			FUEL CHARGE	21.12
57J	AUX HTR CONNECT	25	23.00	B4A NET INV FLT OPT	NC 7.00
60X	RT DOOR NOT INC	(200)	(182.00)		
	.PASS AIRBAG DEL			TOTAL BASE AND OPTIONS	41755 37427.12
625	RRVIEW MIRROR	NC	NC	TOTAL	41755 37427.12
630	ALTERNATOR	160	145.00	*THIS IS NOT AN INVOICE*	
634	DUAL BATTERIES	245	223.00	* MORE ORDER INFO NEXT PAGE *	
656	FUEL TANK 55 GL			F7=Prev F8=Next	
672	FRT MAX GAWR	NC	NC		