NEW State of Maine



Master Agreement

Effective Date: 07/27/19 Expiration Date: 07/27/24

Master Agreement Description: Small Cutaway Accessible Bus

Buyer Information

Donny Crockett 207-624-7336 ext. Donny.Crockett@maine.gov

Issuer Information

KELLY ARATA 207-624-3559 ext. kelly.arata@maine.gov

Requestor Information

Kelly Arata 207-624-3559 ext. kelly.arata@maine.gov

Authorized Departments

17A TRANSPORTATION 17D MOTOR TRANSPORT

Vendor Information

Vendor Line #: 1

Vendor ID Vendor Name

VS0000022340 Matthews Bus Alliance, Inc.

Alias/DBA

Matthews Buses Commercial

Vendor Address Information

P.O. Box 841

Greenville, RI 02828

US

Vendor Contact Information

Dean Capparelle

401-500-5634 ext.

dcapparelle@matthewsbusescommercial.com

Commodity Information

Vendor Line #: 1

Vendor Name: Matthews Bus Alliance, Inc.

Commodity Line #: 1

Commodity Code: 55600

Commodity Description: Small Cutaway Accessible Bus-12 Passenger+ 2 Ambulatory

Commodity Specifications: As per the specifications attached made part of this Master Agreement

Commodity Extended Description: Small Cutaway Accessible Bus-Twelve Ambulatory Passengers and Two Wheelchair

Quantity 0.00000	UOM	Unit Price \$0.00
Delivery Days 120	Free on Board FOB Dest, Freight Prepaid	
Contract Amount \$0.00	Service Start Date 07/27/19	Service End Date 07/27/24
Catalog Name	Discount 0.0000 %	
	Discount Start Date	Discount End Date

MA1905220000000000000181

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
Agreement to Purchase Services

THIS AGREEMENT, made this 9th day of July, 2019, is by and between the State of Maine, Department of Transportation, hereinafter called "Department or MaineDOT," and Matthews Bus Alliance Inc., located at 4802 West Colonial Drive Orlando, FL 32808, telephone number 1-800-330-1175, hereinafter called "Provider", hereinafter the "Parties", for the period of Start Date July 27, 2019 End Date July 27, 2024.

The AdvantageME Vendor/Customer number of the Provider is <u>VS0000022340</u>. RFO#: 17A 18062900000000000001

WITNESSETH, that for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the Department, the Provider hereby agrees with the Department to furnish all qualified personnel, facilities, materials and services and in consultation with the Department, to perform the services, study or projects described in Rider A, on schedule and under the terms of this Agreement. The following riders are hereby incorporated into this Agreement and made part of it by reference:

Rider A – Technical Specifications of Work to be Performed

Rider B - Terms and Conditions

Rider C - RFO Document

Rider D - Provider Signed Certifications

Rider E – Identification of Country in Which Contracted Work will be Performed

IN WITNESS WHEREOF, the Department and the Provider, by their representatives duly authorized, have executed this agreement in one original copy.

Provider: Mold for Matthews Bus Alliance, Inc.

By: Douglas K. Glfford / Commercial Sales Manager

Name and Title, Provider Representative

Date: 7/9/2019

and

Partment of Transportation

Name and Title, Department Representative

Maintenance : Operat

Date:

Base Price Per Unit Amount: \$69,646.00

RIDER A SPECIFICATIONS OF WORK TO BE PERFORMED

TECHNICAL SPECIFICATIONS

SMALL CUTAWAY ACCESSIBLE BUSES FOR 12 AMBULATORY PASSENGERS AND TWO WHEELCHAIR SECUREMENT POSITIONS

GENERAL

1. Purpose

The following specifications are for an estimated 45 small, current model cutaway buses. Buses must be current model compliant with all ADA regulations. Buses shall be equipped with a curbside rear wheelchair lift. The floor plans provided in this appendix specify the buses will be configured for twelve (12) ambulatory passengers plus two (2) wheelchair positions. The desired seating plan is described under Section 2, Seating 27.0. These vehicles will be used to provide transportation services for low income, elderly and/or disabled passengers, children and general transportation.

1.1 Intent

Vehicle construction must be substantial and durable in all respects congruent to practices acceptable to body and chassis manufacturers. Provider must hold "FULLY MEETS" level of compliance with the "Transit Bus Quality Program" of the chassis manufacturer. The Provider must ensure the bus body manufacturer is ISO 9001:2000 certified and must, upon MaineDOT's request, provide the supporting documentation as evidence of same.

1.2 Requirements

The chassis must be the heaviest duty available equipped with all possible options to make it a heavy-duty vehicle and when applicable be Altoona Tested minimum as a 5 Year, 150,000 mile vehicle.

1.3. Completeness

- a) Any part or detail that makes the vehicle complete and ready for service shall not be omitted, even though such part or detail is not mentioned in these specifications.
- b) The price of the vehicle includes all items of labor, materials, tools, equipment and other costs necessary to fully complete the manufacture and delivery of the vehicle pursuant to these specifications.

1.4. Conformity

All units or parts not specified shall be manufacturer's best quality and shall conform in materials, design, and workmanship to the best practice known in the automobile industry. All parts shall be new and in no case will used, reconditioned, or obsolete parts be accepted. The parts on all vehicles provided by the same manufacturer shall be interchangeable.

1.5. Materials

All materials used in the construction of the vehicle shall conform in all respects to American Society of Testing Materials, Society of Automotive Engineers, or similar association standards.

1.6. Warranty and Maintenance

The Provider must provide the manufacturer's warranty for the basic vehicle, for the lift, rust proofing, and any and all vehicle/equipment modifications.

The Provider must be able to provide warranty and maintenance service for the vehicle and the modifications in a 75-mile BP54 (Rev 10/2017)

radius in which the vehicles are to be used. The Provider will execute an agreement for maintenance and warranty services with a certified maintenance facility located within these areas. The Provider will provide or ensure access to spare or replacement parts.

1.7. Pre & Post-Delivery Inspections and Pre-Delivery Inspection:

Pre-Manufacturing Meeting:

The Provider will attend a pre-manufacturing meeting that will be held in Maine, the purpose of this meeting shall be to review the specifications, approve equals proposed in the bid, and the Provider's build order. Those in attendance may include, but are not limited to, representatives from the Department, Provider, and factory representatives (if Provider so chooses)

Pre-Delivery Inspection:

A factory pre-delivery inspection will be conducted after vehicles are 80% completed and before vehicles are delivered. Inspection will be completed by MaineDOT representatives or their designated representatives.

MaineDOT inspectors shall number up to three (3). The cost of the inspection, including round trip airfare and lodging for a period of up to three (3) days, two (2) nights, depending of number of vehicles to be inspected shall be invoiced as quoted.

MaineDOT reserves the right, at no cost to the bidder, to send inspectors to the factory at any time during the manufacturing of these vehicles.

Post-Delivery Inspections:

Upon delivery of each vehicle at MaineDOT's desired location (Fleet Services, 66 Industrial Dr., Augusta, Maine), MaineDOT representatives and, when applicable, the end user agency will perform a post-delivery inspection. If the vehicle does not pass the inspection, MaineDOT will create a letter of non-acceptance with details of the deficiencies. The Provider will have up to 30 days from receiving the report to complete the necessary repairs to meet a final acceptance. The damages will resume when the Provider 30 day repair period has passed. Upon MaineDOT representative acceptance of each unit, it will be the responsibility of the provider to deliver each unit to the respective end user agencies.

Pricing for subsequent model years will be based on current Product Price Index at time of order. Additionally, agency will incur any chassis increases resulting from federally mandated changes.

1.8. BASE PRICE CALCULATION PRODUCER PRICE INDEX ESCALATOR

Buses shall be provided at the prices quoted. These prices shall remain firm/fixed for any orders issued by the Department within two (2) years of contract award. The price(s) of any bus(es) ordered by the Department after the initial two (2) year term shall be shall be the price quoted (Base Order Prices) plus/minus any change which will be calculated based on the following formula which utilizes the U.S. Department of Labor/Bureau Of Labor Statistics Producer Price Index ("PPI") Category 1413, "Trucks and Bus Bodies". The change in this index will be used to adjust the Base Order Prices, however, in no event will the adjusted price(s) exceed the Base Order Price by more than five percent (5%) over the remaining three (3) years of the contract.

Define the mechanics of price adjustment.

Simple Percentage Method.

One method of price adjustment is to have the base price changed by the same percentage as the percent change in a selected PPI. To illustrate, suppose that a contract escalation clause called for using the intermediate demand PPI titled Materials and components for manufacturing, not seasonally adjusted. Also suppose that the value of this index was 178.4 for December 2010, the month that corresponds with the base price for escalation, \$1,000 per unit. Twelve months later, when December 2011 data were released, and the first stipulated price adjustment was to be made, the index value for December 2011, published mid-January 2012, was 187.7. The percent change represents an increase of 5.2 percent in the index for Materials and components for manufacturing and a \$52 per unit increase in the price for the escalated product. (See below.)

Equals	
_	
Base price	\$1,000
Multiplied by	1.052
Equals adjusted price	\$1,052

Note: This is an example only to indicate how the PPI Calculated Pricing will be determined for Option Year Orders.

2. Vehicle Specifications:

	2.0 DIMENSIONS	Abbreviation	Actual Dimension	Notes
2.1	Wheelbase - 176" minimum	X	176	
2.2	Overall Height - 115" maximum excluding A/C	X	115	
2.3	Overall Length - 280" minimum	X	305	
2.4	Interior Length - 190" minimum, from behind driver to rear wall	X	201	
2.5	Exterior Width - 96" maximum excluding mirrors	X	96	
2.6	Interior Width - 90" minimum (at the floor line)	X	92	
2.7	Interior Height @ Center aisle - 76" minimum	X	79	
2.8	Entrance Door (Clear Opening) - 40" width, 75" height	X	40	AE
2.9	First Step - 11.5" maximum ground to first step	X	11.5	AE
2.10	Step Tread Depth - 9" minimum	X	11	
2.11	Step Riser Height - 9" maximum, step width 40" minimum	X	9	
2.12	GVWR - 14,000 lbs. minimum	X	14,500	
2.13	Knee Room - 28" minimum, hip to knee	X	34	

	3.0 CHASSIS	Abbreviation	Actual Dimension	Notes
3.1	Chassis shall be a current model year, dual rear wheel commercial cutaway chassis. Vehicle must meet current Federal and State emission standards.	X		
	4.0 POWER PLANT	Abbreviation	Actual Dimension	Notes
4.1	Engine shall be a Gas V8 or V10 with spin- on throw away type oil filter and a disposable dry air cleaner.	X		
4.2	Engine compartment shall be insulated from the passenger compartment to absolutely minimize coach interior noise level, heat and fumes. Engine cover shall be insulated to reduce interior noise to below 78 decibels.	X		
4.3	Engine shall be equipped with engine oil cooler and an OEM engine block heater.	X		
4.4	Transmission shall be an electronic 5-speed with overdrive, and shall be removable without disturbing engine drive. An auxiliary transmission oil cooler shall be installed in front of the radiator as an OEM option (Heavy Duty Service Package).	X		
	5.0 COOLING SYSTEM	Abbreviation	Actual Dimension	Notes
5.1	Cooling system shall incorporate an overflow tank as well as radiator fan equipped with viscous fan clutch. System shall be protected to -35 degree Fahrenheit, utilizing extended life coolant. Antifreeze coolant strength shall be checked and labeled on the coolant reservoir.	X		
5.2	All coolant lines are to be secured and protected from sharp edges, by running a large heater hose over existing heater hoses for protection.	X		AE
	6.0 FUEL SYSTEM	Abbreviation	Actual Dimension	Notes
6.1	Fuel tank shall be a minimum (55) gallon	X		

	capacity, internally baffled to prevent surging. Tank shall be mounted inside frame rails.			
	7.0 EXHAUST SYSTEM	Abbreviation	Actual Dimension	Notes
7.1	There shall be an OEM heat shield installed on the fuel tank.	X		
7.2	Exhaust tail pipe shall extend to the rear, street side/left of the vehicle beyond body side panel and shall be constructed using exhaust tubing with a tapered cut on bottom side of pipe. Exhaust hangers shall be spaced 30" on center and 10 inches from the tip this is in reference to the bus manufacturer modified exhaust.	X		
	8.0 FRONT AXLE	Abbreviation	Actual Dimension	Notes
8.1	Heaviest axle available with gas pressurized shock absorbers.	X		
8.2	Front suspension shall be equipped with anti-sway bar.	X		
	9.0 REAR AXLE AND FINAL DRIVE	Abbreviation	Actual Dimension	Notes
9.1	Rear axle capacity shall be supplied by manufacturer and matched to vehicle chassis specifications previously described at 176" wheelbase and 14,000 minimum GVWR).	X		
9.2	A Mor/Ryde or approved equal, suspension system shall be installed that improves ride quality, and reduced road shock.	X		
9.3	Rear axle ratio shall be determined by the manufacturer and based on type of service, geographical area, and additional economic factors recommended. (Preferred ratio 4.56)	X		
9.4	Rear heavy duty gas pressurized shock absorbers.	X		
	10.0 PROPELLER SHAFT/DRIVE LINE	Abbreviation	Actual Dimension	Notes

10.1	Drive shaft shall be heavy duty type with needle bearing universal joints, or equivalent.	X		
10.2	Drive shaft guards shall be installed to prevent it from striking floor of bus or ground, in the event of tube or universal joint failure.	X		
10.3	Drive shaft guards need to be removable (bolted on type only, not welded).	X		
	11.0 STEERING	Abbreviation	Actual Dimension	Notes
11.1	Power Steering is required.	X		
11.2	Steering mechanism shall be self-centering requiring little or no effort to bring vehicle back to straight-ahead after turning.	X		
11.3	Steering wheel shall offer a tilt feature to adjust to individual drivers.	X		
11.4	Cruise control shall be provided.	X		
11.5	Vehicle front-end alignment is required and a printed copy of the alignment result shall be provided with vehicle packet.	X		
	12.0 BRAKES	Abbreviation	Actual Dimension	Notes
12.1	Service brakes shall be dual hydraulic, power assist, disc front and rear.	X		
12.2	Front and rear brakes shall offer "Antilock" feature.	X		
12.3	OEM upgrade to heavy duty brakes and system would be preferred. If available, offer as option.	X		
12.4	Braking system shall be adequate for the GVWR of the bid vehicle.	X		
	13.0 WHEELS	Abbreviation	Actual Dimension	Notes
13.1	Vehicle shall be equipped with six (6) heavy, OEM ventilated pressed steel	X		

	wheels, 16.0" diameter and 6" width, single front and dual rear. All wheels to be interchangeable. All wheels to be painted white.			
	14.0 TIRES	Abbreviation	Actual Dimension	Notes
14.1	LT225/75/16 Load Range E minimum. Total of six (6) all season radial tires with mud and snow designation. All tires and wheels to be spin balanced and aligned. A spare tire shall be provided that matches all other vehicle tires and shall be mounted on wheel, balanced and painted to match other wheels and shipped loose in bus.	X		
14.2	Lead wheel weights will not be accepted. Steel weights or less toxic wheel weight alternatives shall be supplied.	X		
	15.0 BUMPERS	Abbreviation	Actual Dimension	Notes
15.1	Vehicle shall be provided with manufacturer's standard front bumper with rear energy absorption type bumper, Romeo Rim Energy Absorbing Bumper System or approved equal.	X		
15.2	Bumpers shall be fastened directly to the chassis frame to allow shock from impact to be transmitted directly to chassis frame.	X		
15.3	Rear bumper shall incorporate anti-ride device to prevent standing on rear bumper and shall be integral to bus body.	X		
15.4	Rear bumper safety sensor systems, OEM installed sensor if available from the chassis manufacturer.	X		
	16.0 ELECTRICAL SYSTEMS AND COMPONENTS	Abbreviation	Actual Dimension	Notes
16.1	The electrical system shall comply with all applicable FMVSS and shall conform also to all applicable SAE recommended standards and practices. All electrical and electronic components shall be selected to minimize electrical loads thereby not exceeding the generating capacity of the	X		

	vehicle.		
16.2	The electrical system components and wiring shall be readily accessible through access panels for checking and for maintenance. All switches, indicators and controls shall be located and installed in a professional manner that facilitates easy removal and servicing. All exterior housings of lamps and fixtures shall be corrosion resistant and weatherproofed.	X	
16.3	One (1) 225 AMP alternator minimum. Alternator must be sufficient to operate all electrical equipment on vehicle including lift without drain in battery.	X	
16.4	Dual (2) batteries (GLASS MAT) with a combined capacity of no less than 1800 CCA. Primary and secondary battery shall be at 900 CCA and both be located in fully enclosed stainless steel battery compartment with stainless steel slide out tray both batteries shall be matching manufacture and CCA. A battery compartment located adjacent to the passenger's entrance door battery compartment shall be stainless steel or painted with acid resistant paint. All battery connections require battery anticorrosion treatment.	X	
16.5	Electrical switch panel shall be dash/doghouse mounted and within easy reach of driver. It shall include all switches which will include: passenger compartment lighting, air conditioning, and heating both dash and rear factory installed equipment and wheelchair safety interlock ETC. All switches shall be back lit for night operation, professionally labeled switches, controls or gauges are not to be installed above the driver's head or above the OEM Dash.	X	
16.6	A warning light and audible buzzer indicating rear door ajar condition shall be located in switch panel or dash.	X	

16.7	Wiring to be routed in a split open-type loom and secured to the body or frame with straps in order to prevent snagging and chafing. Plastic sleeves shall protect wires that penetrate steel member. An underbody convoluted loom shall be used as a protective channel for wiring. Terminals shall terminate at appropriate junction terminals encased in bake-lite or molded plastic material. All wiring and end connectors shall be of the machine staked type.	X		
16.8	Wiring devices, switches, etc. with the exception of circuit breakers, shall be rated to carry at least 125% of the maximum ampere load for which the circuit is protected. Circuit breakers shall be manual resettable type and designed specifically for each circuit. All body circuit panels shall have an accurate ledger, professionally labeled and installed on circuit panel door.	X		
16.9	A master electrical component compartment located in a weather protected compartment with access from the interior of the bus shall be provided.	X		
16.10	All switches provided by bus body manufacturer shall be transit grade rocker type, identifiable with universal symbols indicating function, and shall be LED backlit. Decals or any other "stick-on" type labels will be rejected.	X		
16.11	Heavy duty 12-volt horn shall be provided and installed so it is protected from wheel wash. A back-up alarm shall be provided.	X		
16.12	Required with delivery will be an "As Built" wiring schematic. Each individual circuit shall be displayed and correlate with the vehicle bid. A single sheet wiring diagram is unacceptable. Schematic may be contained on CD or conventional paper manual.	X		
	17.0 INSTRUMENT AND CONTROLS	Abbreviation	Actual Dimension	Notes

17.1	Following gauges and/or controls are to be provided;	X		
	a. Ignition Key Switch	X		
	b. Speedometer with Recording Odometer	X		
	c. Tachometer (If Optional)	X		
	d. Voltmeter	X		
	e. Oil Pressure Gauge and Warning Lamp	X		
	f. Fuel Tank Level Gauge; Low Fuel Warning Light	X		
	g. Engine Temperature Gauge	X		
	h. Headlight High Beam Indicator	X		
	i. Parking Brake "on" Indicator Light	X		
	j. Directional Signal and Flasher Action Light	X		
	k. Check Fuel Cap	X		
	1. Fasten Safety Belt Warning Light	X		
		•	1	
17.2	All instruments to be grouped on a single panel in full view of driver.	X		
17.3	Visual/audible warning system (apart from gauges already listed) shall be supplied to alert driver of an operational failure.	X		
17.4	The following controls, in addition to normal steering, braking and transmission functions are to be provided:	X		
	a. Column mounted turn signal lever	X		
	b. Emergency flasher facing driver and clearly visible	X		
	c. Door control at driver's location	X		
	d. OEM Exterior light switch	X		
	e. Separate switch and temperature control for driver's heater, defroster and AC	X		
	f. Two-speed wiper control w/intermittent feature	X		
	g. Windshield washer	X		
	h. Switch for passenger compartment lights	X		
	i. Driver dome light	X		
	j. Body master disconnect switch, on positive side of system, readily accessible and manually operated by driver	X		
	18.0 BODY CONSTRUCTION	Abbreviation	Actual Dimension	Notes
18.1	Body Structure: Vehicle shall be built as an integral unit and adequately reinforced at all	X		

	joints and corners where stress concentration may occur; body shall be built to adequately carry required loads and withstand road shock. Documentation is required that vehicle meets FMVSS 220 Roll Over Certification. Such certification must be provided with bid submission. Written documentation should be included in bid package that the vehicle being bid has been certified and is in compliance with the required standard(s).		
18.2	Body structure must incorporate an integrally welded steel body framing for the floor, end caps, sidewalls, and roof.	X	
18.3	Floor framing description, method of assembly, steel cross sections, and gauge of steel must all be included in full description submitted as indicated at end of Section 18.	X	
18.4	Tubular wall structures shall be jig-welded, with impact rails incorporated into the walls at floor and seat area.	X	
18.5	Roof structure shall be same jig-welded construction. Complete description, including size of tubing, metal gauge submitted with total body construction detail. Roof structure must conform to appropriate FMVSS. An illustration of the framing construction must be submitted.	X	
18.6	Body steel cage frame which would consist of floor, side walls, roof, from front to rear, and will be welded together resulting in a one-piece body frame structure. No other method of assembly will be acceptable.	X	
18.7	Zinc coating or equal shall be applied to all steel structural members including all components listed in 18.6, when assembly has been completed.	X	
18.8	Vehicle body shall be bolted to frame structure as recommended by chassis manufacturer.	X	
18.9	Sidewalls and roof shall be insulated with	X	Roof / 8.632
			11001, 01002

	high density polyurethane foam insulation. Specify R value.		Walls / 6.025
18.10	All securing and fastening hardware (nuts, bolts, clips, clamps) shall be stainless steel, zinc or cadmium plated phosphate coated to aid in corrosion prevention.	X	
18.11	Exterior side walls shall be smooth side sheets with no exposed fasteners. Specify exterior wall material.	X	Corrosion Proof Composites
18.12	Wheelhouses are to be constructed of metal and reinforced to prevent deflection with ample clearance provided for tires under a load and operating on both smooth and rough terrain.	X	
18.13	A clear paint protection film shall be installed on the front corner of body of the passenger's side, ahead of passenger's entry door and on driver side behind the driver's door to protect from high volume of stone and road debris for damaging body panels.	X	
18.14	Removable splash aprons (Mud Flaps) shall be installed at each wheel opening and must extend beyond the outer surface of the tires and not to interfere with any repairs and/or replacement.	X	
18.15	Vehicle, entire under body frame and underside floor, shall be undercoated and applied at the time of manufacture. All open holes, gaps, seams that enter the bus body or exposed metal surfaces shall be sealed and undercoated. Any craters in the spray foamed areas that can trap materials from the roads shall be refilled and undercoated. Description of undercoating type and make will be included with full bus body description provided by bidding vendor.	X	
18.16	All exterior metal trim shall be stainless steel, polished aluminum or chrome plated.	X	AE
18.17	Gutters shall be installed the full body length of vehicle and over all windows and doors in such a way that water is diverted to	X	

the rear of the vehicle.	

NOTE: A COMPLETE AND DETAILED DESCRIPTION OF THE BODY CONSTRUCTION MUST BE SUBMITTED WITH ANY EXCEPTION REQUESTS AND/OR APPROVED EQUALS. SUCH DESCRIPTION MUST INCLUDE, BUT NOT LIMITED TO, THOSE ITEMS AS INDICATED THROUGHOUT SECTION 18. IN ORDER FOR A SUBSEQUENT BID TO BE CONSIDERED, PRE-APPROVAL OF THE CONSTRUCTION DETAIL MUST BE DETERMINED.

	19.0 DOORS	Abbreviation	Actual Dimension	Notes
.1	Doors of the bid vehicle shall include: Driver's door, entrance door, accessible entrance door, and rear emergency door.	X		
9.2	Driver's Door shall be chassis manufacturer's standard door. An external step shall be provided for driver's ease and convenience in accessing vehicle. If OEM chassis manufacturer does not offer a built-in step as part of the chassis construction, an additional step, minimum of 7" of safe useable area must be provided. As specified in the Provider's bid.	X		
9.3	Passenger's entrance door shall be a two leaf, electrically operated, driver controlled	X		
	door. Size, make, and model of the motor used shall be included with bid, and shall meet the minimum measurements outlined under Sec. 2.0 Dimensions, and listed here. Door glass panes should be 1/8" thick, tinted with AS-2 rated tempered safety glass. Door framing (door trim) shall be stainless steel frame and be located directly adjacent to the driver's seat. This specification refers to the doorway framing and not the door panels. Door entrance shall have a clear opening of a minimum of 40" width and a minimum door height of 75". Doors must be installed in such way no to allow ice buildup on the first step. A rubber gasket shall be installed at the meeting edges creating a seal to prevent water and road debris from accessing stepwell. A hinged door must be supplied to access the door mechanism. A red small LED light shall be installed at the emergency exit. As specified in the Provider's bid.			

	Ta	T		T
19.4	Stepwell Assembly shall be constructed of	X		
	12-gauge stainless steel. Stepwell shall			
	meet the dimensions as outlined in Section			
	2.0. Steps shall be fully recessed, enclosed			
	and protected from weather. Steps shall be			
	covered with non-skid textured (or ribbed)			
	treads with yellow step nosing. Treads			
	should be fully secured to step to prevent			
	lifting. Step well to be heated to prevent ice			
	buildup with the installation of step			
	heater(s) installed directly under step tread			
	in the first two steps from the bottom.			
	Warm Welcome acceptable or an approved			
	equal. ADA required hand rails left and			
	right will be installed in entry and shall be			
	stainless steel.			
	staniess steer.			
19.5	Rear Emergency Door: A key locking rear	X		
17.5	emergency door measuring a minimum 32"	4		
	wide and 54" in height and be key locking			
	from the exterior. A door ajar warning light and buzzer located in driver's area door			
	shall be provided with upper and lower door			
	glass. In addition, windows in rear body			
	panels one on each side of the door. These			
	windows shall be a minimum of 7" in width			
	and 24" high and matching in height, the			
	door glass. Emergency exits shall be labeled			
	on the interior of the vehicle. Door framing			
	shall be constructed using stainless steel			
	this refers to the framing of the doorway			
	and not the door. Door to be constructed of			
	14-gauge steel framing and outer skin			
	consistent with the body construction. Full			
	length piano hinge shall be provided as well			
	as high density foam insulation, a rubber			
	gasket, all around to seal the door from			
	water seepage. A gas pressurized strut rod			
	is required to hold the door open when in			
	use shall be provided. A red small LED			
	light shall be installed at the emergency			
	exit. As specified in the Provider's bid.			
	1	1	1	
19.6	Lift Access Door: A key locking lift access	X		
	door(s) shall be located behind the rear			
	axle. Door shall measure minimum of 57"			
	in height and a clear opening width that will			
	accommodate the lift being offered in bid.			
	Door framing shall be constructed using			
	Door framing shan be constructed using			

	stainless steel. A gas pressurized strut rod is required to hold the door open when in use shall be provided.			
19.7	All Door-way framing (Trim) shall be stainless steel. As in the previous door specifications, this refers to the door framing trim and not the door(s). Door(s) to be constructed with outer skin consistent with the body construction. Full length piano hinge shall be provided and door shall be insulated with high density foam; rubber gasket used to seal door against water seepage.	X		
19.8	Roof Hatch: One (1) roof hatch/ventilator shall be installed in location determined by manufacturer not to interfere with roof mounted air conditioning unit. Hatch to be Specialty, Transpec or an approved equal. A red small LED light shall be installed at the emergency exit.	X		
	20.0 WINDSHIELD AND WINDOWS	Abbreviation	Actual	Notes
			Dimension	
20.1	Windshield to be OEM standard and shall be laminated tinted safety glass.	X	Dimension	
20.1		X	Dimension	
	be laminated tinted safety glass. OEM heavy duty electrical two speed windshield wipers with an intermittent		Dimension	
20.2	Driver's side window to be OEM standard	X	Dimension	

	and any emergency exit. A red small LED light shall be installed at the emergency exit.			
20.6	The transition panel located between the right front wheel and the entrance door shall have an AS-2 rated glass window for driver's view of the right side of vehicle and shall offer a minimum of 300 square inches of glass.	X		
	21.0 HEATERS	Abbreviation	Actual Dimension	Notes
21.1	Front heater shall be OEM manufacturer's high output heater with defroster. Auxiliary heaters shall be a minimum of two (2) 65,000 BTU units located under seat(s) in passenger compartment and not to interfere with ambulatory traffic. Total heat BTU shall be sufficient to heat vehicle size.	X		
21.2	Two (2) water shut-off valves shall be installed outside the vehicle under driver's seat and shall be ½ turn gate valves, or ball type valves.	X		
21.3	Heaters individually controlled with three position switches; high, low and off and labeled front and rear. Switches shall be located in switch panel in driver's area.	X		
	22.0 AIR CONDITIONING	Abbreviation	Actual Dimension	Notes
22.1	Dual air conditioning systems are required with separate compressors. A OEM dash air conditioning system shall be supplemented with a passenger air conditioning system of no less than 45,000 BTU, the BTU rating shall be recommended by manufacturer for service area and climate in Maine. Both systems shall be separately controlled by switches in the driver's area and should offer a minimum of two speed fan control. Temperature shall be controlled by infinite position rotary control. Passenger's air conditioning shall be a dual fan/condenser and shall be roof mounted.	X		

22.2	Return and drain hoses from evaporator shall be routed internally of the vehicles rear wall. Product literature detailing manufacturer's specification for both types of systems must be provided with the proposal and should support the BTU capacity for the system selected.	X		
	23.0 INTERIOR LIGHTING	Abbreviation	Actual Dimension	Notes
23.1	Interior lighting shall include a driver's compartment dome light instrument panel lights, switch panel back-lighting, six (6) minimum recessed or low-profile mounted lights, in passenger compartment, and two (2) hooded 2 foot-candles of illumination measured stepwell lights that automatically illuminate when passenger door is opened. Interior lighting shall consist of LED lights.	X		
23.2	All egress locations shall be designated and identified with a small red LED light illuminated when vehicle is in operation.	X		
	24.0 EXTERIOR LIGHTING	Abbreviation	Actual Dimension	Notes
24.1	All exterior lights shall meet State, Federal and MaineDOT requirements. All applicable exterior lights, i.e. Lift Access door, entrance must be in compliance with the ADA requirements and be LED type. (Headlights Exempt)	X		
24.2	Single rectangular halogen headlamps of sealed beam type are required with high and low beam controlled by turn signal lever. Daytime running lights shall be provided if available from chassis manufacturer.	X		
24.3	Directional signals, front and rear shall be operated by lever on steering column and shall meet all applicable FMVSS.	X		
24.4	All exterior lights that are available shall be of LED type.	X		

24.5	All lights (marker, turn signals, taillights, clearance etc.) shall be flush or low profile mounted.	X		
24.6	Two (2) back up lights shall be provided with a center brake light that operates in conjunction with corner brake lights.	X		
24.7	Two (2) flush or low floor mounted two foot-candles of illumination measured LED lights shall be installed at the ambulatory entrance door illuminate the landing area and shall be activated automatically upon opening entrance door.	X		
24.8	A license plate bracket with light shall be provided on rear of vehicle and a front license plate bracket for the front.	X		
	25.0 FLOOR CONSTRUCTION/COVERING	Abbreviation	Actual Dimension	Notes
25.1	5/8" minimum thickness marine grade plywood sub floor or approved equal all edges sealed to prevent entry of moisture. Subfloor shall be screwed and glued to frame members. Transit grade non-skid flooring shall be used over sub floor material aisle. Flooring shall be cemented with waterproof adhesive to the plywood sub floor and have welded seams to create a one piece covering. No floor carpeting will be accepted. Flooring shall be "cove" mounted up side walls a minimum of 5" also wheel wells shall be covered with the flooring material. All flooring edges that meet another material (walls, wheel wells, doorframes, floor tracks, etc.) shall be sealed (caulked) to prevent water from entering under the flooring. Any deviation from this installation will be unacceptable.	X		
	26.0 INTERIOR	Abbreviation	Actual Dimension	Notes
26.1	Interior shall provide an aesthetically pleasing atmosphere. School bus type interior is not acceptable. As specified in the Provider's bid.	X		CLOTH CEILING, GRAY COMPOSITE WALLS, GRAY VINYL TRIM

26.2	Walls shall be finished in a durable material coordinated with the vehicle's color scheme, white or light gray.	X		
26.3	Headliner shall also be OEM compatible with vehicle's colors and shall be cloth covered insulated for absorption of interior noise.	X		
26.4	Headliner shall also be compatible with vehicle's colors and shall be covered with a padded vinyl fabric for absorption of interior noise.	X		
26.5	Side and rear walls and roof shall be insulated with description of insulation materials, with r-factor of 6 and installation process being part of the body details.	X		
26.6	Fuel tank access panel shall be installed in floor.	X		
26.7	Stanchions shall be installed that are constructed of 1¼" seamless stainless steel. Vertical stanchions, with modesty panels to be located at top left of step well and behind the driver. All modesty panels shall be padded and matching vinyl covered. A clear plexiglass partition shall be installed above the modesty panel behind the driver.	X		
26.8	All stanchions to be secured to solid structure framing and not simply attached to ceiling or wall panels with sheet metal screws.	X		
	27.0 SEATING	Abbreviation	Actual Dimension	Notes
27.1	Driver's seat shall be Chassis OEM seat with an adjustable power base, fully padded, shock absorbing seat of heavy-duty fire-resistant construction, equipped with retractable lap and shoulder safety restraint; upholstery shall be standard OEM material. Standard arm rest adjustable fore and aft, recline, and lumbar support. All seat mechanism must be covered and not exposed.	X		AE

27.3 A minimum of 28" hip to knee space including those seats mounted behind a modesty panel. 27.4 Seat belt extensions shall be provided for each individual seat on each vehicle. Length of extensions to be longest available per seat configuration. 27.5 Grab handle shall be installed on aisle seats, at the top of aisle seat. And two continuous ceiling mounted assist rail on each side of the passenger's area aisle.	
each individual seat on each vehicle. Length of extensions to be longest available per seat configuration. 27.5 Grab handle shall be installed on aisle seats, at the top of aisle seat. And two continuous ceiling mounted assist rail on each side of	
at the top of aisle seat. And two continuous ceiling mounted assist rail on each side of	
27.6 Each seat position shall be equipped with a freedman under seat retractor (USR) passenger restraint system (seat belts). Seat belts shall be bolted to the seat frame, independent of the seat. Belts must not be able to fall to the floor. All USR and release buckles must not be rigid design that will cause injury to the passengers. As described in the Provider's bid.	
28.0 SAFETY EQUIPMENT Abbreviation Actual Dimension	Notes
28.1 Each vehicle will be equipped with the following: a. Triangle Reflector Flare Kit X	
b. 5# Rechargeable ABC Type Fire X Extinguisher with holder	
c. 24 piece First Aid Kit w/CPR mouthpiece X d. Back Up Alarm X	
d. Back Up Alarm e. Seat Belt Cutter X	
f. Evac-Aid evacuation blanket or	

1	Approved Equal			
	g. Body Fluid Clean Up Kit	X		
	h. Wheel chocks and holders	X		
		X		
	i. Securement and location of safety	Λ		
	equipment (with the exception of the back- up alarm) shall be in secure and accessible			
	location to the driver.			
	location to the driver.			
			A .4 .1	
	29.0 MIRROR	Abbreviation	Actual Dimension	Notes
29.1	Exterior rear view mirrors shall be 7"x10"	X		
	dual glass (one convex lens), heated, remote			
	left and right. A four-way adjustable			
	Interior rear view mirror installed above			
	the center windshield shall be convex for			
	driver's view of bus interior.			
			A	
	30.0 MUD FLAPS	Abbreviation	Actual Dimension	Notes
30.1	Mud flaps shall be installed behind front	\mathbf{X}		
	and rear wheels, flaps shall be positioned			
	in such manner that they or outside the tire			
	envelope to prevent road debris hitting body			
	panels. Bracing may be required to prevent			
	mud flap from sailing.			
	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING	Abbreviation	Actual Dimension	Notes
31.1	31.0 EXTERIOR, PAINT, GRAPHICS,	Abbreviation X		Notes
31.1	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING			Notes
31.1	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency			Notes
31.1	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to			Notes
31.1	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to			Notes Notes
31.1	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to Section # 38 General Options Pricing)	X	Dimension Actual	
	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to Section # 38 General Options Pricing) 32.0 RUSTPROOFING	X Abbreviation	Dimension Actual	
	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to Section # 38 General Options Pricing) 32.0 RUSTPROOFING Manufacturer's full rust proofing package:	X Abbreviation	Dimension Actual	
	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to Section # 38 General Options Pricing) 32.0 RUSTPROOFING Manufacturer's full rust proofing package: When a vehicle is rust proofed in	X Abbreviation	Dimension Actual	
	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to Section # 38 General Options Pricing) 32.0 RUSTPROOFING Manufacturer's full rust proofing package: When a vehicle is rust proofed in accordance with this standard, rustproof	X Abbreviation	Dimension Actual	
	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to Section # 38 General Options Pricing) 32.0 RUSTPROOFING Manufacturer's full rust proofing package: When a vehicle is rust proofed in accordance with this standard, rustproof and/or bidder shall furnish written warranty	X Abbreviation	Dimension Actual	
	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to Section # 38 General Options Pricing) 32.0 RUSTPROOFING Manufacturer's full rust proofing package: When a vehicle is rust proofed in accordance with this standard, rustproof and/or bidder shall furnish written warranty stating the period of time the rust proofing	X Abbreviation	Dimension Actual	
	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to Section # 38 General Options Pricing) 32.0 RUSTPROOFING Manufacturer's full rust proofing package: When a vehicle is rust proofed in accordance with this standard, rustproof and/or bidder shall furnish written warranty stating the period of time the rust proofing will protect vehicle (maximum warranty	X Abbreviation	Dimension Actual	
	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to Section # 38 General Options Pricing) 32.0 RUSTPROOFING Manufacturer's full rust proofing package: When a vehicle is rust proofed in accordance with this standard, rustproof and/or bidder shall furnish written warranty stating the period of time the rust proofing will protect vehicle (maximum warranty period offered by manufacturer is required).	X Abbreviation	Dimension Actual	
	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to Section # 38 General Options Pricing) 32.0 RUSTPROOFING Manufacturer's full rust proofing package: When a vehicle is rust proofed in accordance with this standard, rustproof and/or bidder shall furnish written warranty stating the period of time the rust proofing will protect vehicle (maximum warranty period offered by manufacturer is required). Warranty shall include a detailed outline of	X Abbreviation	Dimension Actual	
	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to Section # 38 General Options Pricing) 32.0 RUSTPROOFING Manufacturer's full rust proofing package: When a vehicle is rust proofed in accordance with this standard, rustproof and/or bidder shall furnish written warranty stating the period of time the rust proofing will protect vehicle (maximum warranty period offered by manufacturer is required). Warranty shall include a detailed outline of all warranty limitations. Defective material	X Abbreviation	Dimension Actual	
	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to Section # 38 General Options Pricing) 32.0 RUSTPROOFING Manufacturer's full rust proofing package: When a vehicle is rust proofed in accordance with this standard, rustproof and/or bidder shall furnish written warranty stating the period of time the rust proofing will protect vehicle (maximum warranty period offered by manufacturer is required). Warranty shall include a detailed outline of all warranty limitations. Defective material and workmanship shall be replaced or	X Abbreviation	Dimension Actual	
	31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING Buses shall be white unless an agency desires a solid exterior color. (Reference to Section # 38 General Options Pricing) 32.0 RUSTPROOFING Manufacturer's full rust proofing package: When a vehicle is rust proofed in accordance with this standard, rustproof and/or bidder shall furnish written warranty stating the period of time the rust proofing will protect vehicle (maximum warranty period offered by manufacturer is required). Warranty shall include a detailed outline of all warranty limitations. Defective material and workmanship shall be replaced or repaired by the rustproof manufacturer at	X Abbreviation	Dimension Actual	

	drainage tube. Inspection to insure a clear drain will be done at factory and before delivery.			
	33.0 BODY/CHASSIS WARRANTY	Abbreviation	Actual Dimension	Notes
33.1	Manufacturer will provide a minimum standard warranty coverage on parts and labor, warranty to cover all components and parts on the bus body. Chassis will be warranted under OEM standard warranties. Bus body manufacturer shall provide a minimum standard warranty coverage.	X		
	34.0 MISCELLANEOUS	Abbreviation	Actual Dimension	Notes
34.1	OEM AM/FM/CD digital radio shall be provided. Radio shall include clock as part of the radio and not a separate item. There shall be a minimum of four (4) speakers to be installed in passenger compartment.	X		
34.2	Key locking storage area with hinged cover installed overhead of driver in the header area. (No Glued Hinges)	X		
34.3	12 volt cell phone power charging outlet	X		
34.4	Driver side adjustable sun visor	X		
	35.0 WHEELCHAIR SECUREMENT AREA - RESTRAINTS	Abbreviation	Actual Dimension	Notes
35.1	Wheelchair securement positions shall be both located in rear of vehicle. Area must have a clear floor area of 30" x 48" (ADA requirement 28.23.d.2) per securement.	X		
35.2	Wheelchair Restraint(s) shall be Q-Straint 360 type or approved equal and shall secure wheelchair in a forward-facing position. Wheelchair occupant belt shall be provided as well as a retractable shoulder belt in compliance with ADA. Under seat mounted restraint holder (TDSS) shall be provided for belt storage when not in use.	X		
35.3	Floor restraint system must be manufactured by the same company	X		

	manufacturing the securement system and should be flush mounted. Q-Straint 360 should be appropriate for use with a "Slide and Click" or approved equal type.				
	36.0 WHEELCHAIR LIFT	Abbreviation	Actual Dimension	Notes	
36.1	1000 lbs. Braun Century 2 or an approved equal Commercial wheelchair lift shall be in compliance with USDOT Rules and Regulations 49CFR, Part 38, ADA, 1990.covering platform. Further it shall comply with NHTSA Rule 403/404.	X			
36.2	Lift shall be inter-locked with the vehicle transmission ensuring that the vehicle cannot be moved when the lift is not in a stow position, ADA38.23.b.2.	X			
36.3	Lift platform shall be illuminated by LED lights mounted on the lift itself as well as two exterior lights located below window level which are shielded to protect the eyes of passengers while entering or leaving lift area, ADA 38.31.	X			
36.4	A light on the dash shall be provided to indicate door is open. An interior light should activate when the door(s) are open to illuminate the wheelchair area from above the lift.	X			
ADA R	ADA REQUIRMENTS SHALL SUPERCEDE ANY AND ALL SPECIFICATIONS NOTED HERE.				
36.5	Hand held pendant control, for lift operations, shall be a one-hand operation design made of durable ABS plastic. Control box shall have back-lit functions and a coiled cable with modular jack connections.	X			
36.6	Manual back-up system provided to ensure operation of lift in case of electrical failure. System shall be reliable and allow manual raising and lowering the lift while occupied. Back-up system shall fold and unfold platform. Pump shall be integrated with hydraulic power pack system so that no	X			

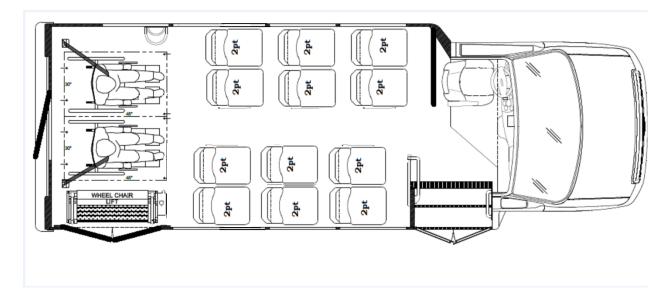
37.1	Seating Options: Priced per seat not per	X	
Т	The following equipment is to be bid as option limited to, but should include, any and all items specifications: The following seat options shall reflect the cost	ms so marked throughout the	pecified in 27.2.
	37.0 GENERAL OPTIONS PRICING	Price	Notes
36.10	All lift components shall be finished with a baked-on powder coating which will meet a salt spray test of 1000 hours, providing corrosion resistance.	X	
36.9	Outer barrier shall be mechanically activated and must be in vertical position prior to platform movement. The Inner and Outer barrier shall be sole outboard retention device and shall be interlocked and comply with the FMVSS 403/404 requirements. Dual handrails shall be provided for additional security and convenience. Rails shall be 1 ½" minimum diameter, minimum 30" high and a minimum of 8" in length and include handrail restraint. They shall withstand a 100lb. force in any direction without permanent deformation.	X	
36.8	Platform shall be automatically folded and unfolded and fully automatic operation. Platform shall allow both inboard and outboard facing of wheelchair and mobility aid users.	X	
36.7	Platform shall be steel construction with a see-through grating allowing improved visibility and safer use. Platform shall have a minimum usable wheelchair passage width of 33" and a minimum usable length of 52" requiring a 57" vertical clear door opening. Sides of platform shall be a minimum of 2.5" high.	X	
	hydraulic lines or fittings are required for fluid transfer.		

	double seat.		
»	Integrated 3pt seat	\$390.00	UPGRADE
»	Integrated 3pt seat with CRS 225 hook and tether	\$611.00	UPGRADE
*	Integrated 3pt child restraint seat	\$462.00	UPGRADE
»	3pt foldaway seat	\$1,058.00	UPGRADE
»	2pt foldaway seat	\$546.00	UPGRADE
37.2	Exterior Bid as Option Pricing:	X	
*	One Contrast Stripe	\$330.00	
*	Two Contrast Stripes	\$430.00	
*	Solid Color Exterior Paint	\$4,600.00	
*	Lettering (Per Letter)	\$4.00	
*	Fleet Number	\$12.00	
*	Additional snow tire and wheel mounted in compliance to Section 13.1 (priced each)	\$440.00	
37.3	Two-way radio pre-wire: Pre-wire shall consist of roof ground antenna with pull wire, 10ga. Power and ground wire, and 14ga activation wire routed to center of dash area with extra wire to allow placement options.	\$195.00	
37.4	DVR interior surveillance camera system with a minimum three (3) year Warranty. REI, Pro Vision, or approved equal. Provide pricing for each of the following options.	X	REI
»	Two Camera System	\$2,400.00	
»	Three Camera System	\$2,900.00	
»	Four Camera System	\$3,276.00	
	SD Card interior surveillance camera system with a minimum three (3) year Warranty. REI, Pro Vision, or approved equal. Provide pricing for each of the following options.	X	REI
*	Two Camera System	\$2,760.00	
»	Three Camera System	\$3,180.00	
*	Four Camera System	\$3,450.00	
»	Backup camera integrated in the rear-view mirror.	\$806.00	
*	Backup camera with separate monitor.	\$572.00	
37.5	PA system with hand held microphone,	\$552.00	

	Internal & External speakers, must have switches to control interior speakers and exterior speakers individually and all speakers together.			
37.6	Vehicle battery jump start connection (i.e. Anderson 350 or approved equal) readily accessible in the front near the engine grill.	\$195.00		
37.7	Destination Signage, Mobilite	\$4,850.00		
37.8	Fare Box Diamond NV with Two Vaults	\$1,782.00		
37.9	Fare Box Diamond SV with Two Vaults	\$2,185.00		
37.10	ADA fixed route vehicle requirements including but not limited to, pull cords or buttons, touch tape in the wheel chair areas, an overhead stop request sign with auditory stop indication.	\$975.00		
37.11	Chassis Manufacturer's Extended Warranty	Itemized on additional options page		
37.12	Body Manufacture Extended Warranty	3 years or 36,000 miles = \$650.00 / 5 years or 50,000 miles = \$1,300.00		
37.13	Bike Rack, two position front mounted stainless steel, Sport Works.	\$2,990.00		
37.14	Diesel Engine	Not available		
	38.0 BID SUBMISSSION REQUIREMENTS	Abbreviation	Actual Dimension	Notes
38.1	The following is a checklist required for this bid to assist in assuring that the bid is complete. This information is in addition to and all documentation found within the specifications.			
*	Theoretical Weight Analysis Worksheet is required for all vehicles and supplied with vehicle final paper work.	X		
*	Altoona Test on BID VEHICLE	X		
*	Complete informational document on chassis, body construction, and body materials.	X		

*	A fully dimensioned floor plan portraying the arrangement of seats, wheelchair positions, passenger assists, wheelchair lift, modesty panels and doorways.	X		
*	A weight analysis worksheet exhibiting individual wheel and axle weights. The weight analysis shall be applicable to the vehicle bid and shall exhibit compliance with weight limitations of the chassis manufacturer.	X		
*	Bus body electrical system description, IN ADDITION TO WIRING "AS BUILT SCHEMATIC"	X		Sample included. As built to be supplied with each bus.
»	FMVSS Certifications	X		
*	Bus Body Manufacturer's Quality Assurance procedures "in plant"	X		
»	QVM certification from chassis manufacturer	X		
*	References of bidder's customers currently using same type of vehicle bid. Should include contact name, telephone and date of delivery.	X		
*	Contact name, title and telephone number for parts and service. Warranty service and warranty parts form included in bid package MUST be complete and returned in order for bid to be determined responsive.	X		
*	Literature/Brochure shall be provided for Wheelchair Securement System, Wheelchair Lift, Air Conditioning, Heaters, Seating, ETC, and under seat retractors and release buckle.	X		
*	Manuals to be provided with vehicle shall include a Parts Manual, Service Manual and an "As Built" Wiring Schematic. One set of manuals per agency and one for MDOT for the initial purchase. Manuals may be provided in conventional paper manual or CD.	X		
*	Recommended service and maintenance schedule for chassis, body and components.	X		
*	Warranty Descriptions on Chassis, Body and all Sub-Components	X		
*	Extended Warranty Descriptions on Chassis, Body and all Sub-Components	X		
	39.0 TRAINING	Abbreviation	Actual Dimension	Notes
39.1	Vehicle operators training shall be provided	X		

within the first year of the agency receiving the vehicle(s). Training will be requested by the end user agencies. Training shall cover the functional operation of the Body, chassis, and low floor units (if appropriate) and shall be conducted for appropriate staff members and at their facility.



RIDER B TERMS AND CONDITIONS

A. AGREEMENT

The Provider shall deliver the busses, hereinafter referred to as "equipment" ordered in accordance with this Agreement and governed by these Terms and Conditions. Payments are subject to the Provider's compliance with all items set forth in the Agreement and subject to the availability of funds.

B. INDEPENDENT CAPACITY

In providing the equipment under the Agreement, the Provider shall act independently and not as an agent of the State of Maine.

C. STATUS REPORTS

Prior to the start of work, the Provider shall furnish MaineDOT with a proposed progress schedule in MaineDOT's standard format. The Provider will outline the various phases of work that will need to be completed in order to meet the schedule set forth by MaineDOT.

During equipment assembly, the Provider shall submit to MaineDOT's Fleet Representative, a Monthly Status Report of accomplishments from the preceding month. The progress report shall be used to keep team members and MaineDOT's Fleet Representative informed about project status and issues. Information will include:

- a. A written statement describing the work accomplished during the period and to date.
- b. An estimate of the percentage of work completed within the specified services.
- c. Any information needed from MaineDOT to complete the project and avoid delays.
- d. The successful bidder's action plan to remedy and address any non-conforming or unacceptable work submitted to Department.
- e. Document anticipated problems and possible solutions.

These progress reports shall be submitted to MaineDOT on a **monthly basis**. Failure to submit could result in non-payment of the invoice, or be considered as a default, and shall be recorded in the Provider's Performance Evaluation. If work is temporarily delayed, the Provider may suspend submittal of the monthly progress reports with written approval from MaineDOT. The Provider shall be responsible for addressing any action that may be required to keep the project on schedule. MaineDOT shall have a period of 15 business days after receipt of the submissions to complete the review and make any necessary comments. Following the review, the Provider will make any revisions and corrections requested by MaineDOT.

D. <u>DEPARTMENT'S REPRESENTATIVE</u>

The Agreement Administrator shall be the Department's representative during the period of this Agreement. This individual has authority to:

- i. Curtail services if necessary to ensure proper execution; and
- ii. Certify to the Department when payments under the Agreement are due and the amounts to be paid; and
- iii. Make decisions on all claims from the Provider, subject to the approval of the MaineDOT's Commissioner.

E. AGREEMENT ADMINISTRATOR

All progress reports, correspondence and related submissions from the Provider shall be submitted to:

Name: Dan Rolfe

Title: <u>Assistant Fleet Services Manager</u>

E-mail: <u>Daniel.Rolfe@maine.gov</u>

Phone: 207-624-8259

Address: 66 Industrial Drive, Augusta, ME 04330

who is designated as the Agreement Administrator on behalf of the Department, except where specified otherwise in this Agreement.

F. CHANGES IN THE WORK

The Department may order changes in the work, the Agreement Amount will be modified accordingly. Any monetary adjustment or any substantive change in the work shall be in the form of an amendment, signed by both Parties and approved by the State Purchases Review Committee. Said amendment must be effective prior to execution of the work.

G. PAYMENT AND OTHER PROVISIONS

MaineDOT anticipates paying the Provider for goods and services received, on the basis of net 30 day payment terms following delivery and acceptance of the equipment, the receipt of an acceptable title and required documents, and an accurate and acceptable invoice. An invoice will be considered accurate and acceptable if it contains the State of Maine Agreement number, correct pricing information relative to the Agreement, and provides any required supporting documents as applicable, and any other specific and agreed-upon requirements listed within the Agreement.

MaineDOT reserves the right to pay for the equipment purchased by any of several available means, which include but may not be limited to check, EFT, and/or procurement card. Providers are advised that state statute precludes sellers from imposing a surcharge on credit or debit card purchases (text follows):

"9-A MRSA §8-303 (2): A seller in a sales transaction may not impose a surcharge on a cardholder who elects to use a credit card or debit card in lieu of payment by cash, check or similar means."

H. WARRANTY

For a period of one (1) year following equipment delivery and acceptance (the "Warranty period"), Provider unconditionally warrants and guarantees that the equipment shall be free from all defects discovered during the Warranty period. The Provider's obligation will be to repair or replace the equipment or refund the purchase price. The decision whether to repair, replace, or refund the purchase price (including shipping) will be MaineDOT's sole decision, the options are defined as follows:

- Replacement will be with new equipment matching the specifications within this Agreement.
- Reimbursement will be for the total purchase price of the equipment including the cost of returning the equipment.
- All repair costs, including the cost of transporting the equipment, will be borne by the Provider. All repairs will be warranted free from defects in parts and workmanship for a one year period following the repair.

The Provider hereby assigns to MaineDOT the right to enforce all manufacturer's warranties or guarantees

on the equipment. The Provider agrees that the warranty obligations provided by this Agreement shall be reported as an outstanding obligation in the event of bankruptcy, dissolution, or the sale, merger, or cessations of operations of the Provider.

In the event of a breach of Provider's warranty obligations, MaineDOT shall notify Provider in writing of the breach and grant Provider 30 days to cure the breach. Should Provider fail to cure the breach, MaineDOT may pursue whatever remedies may be available.

Time is of the essence in the delivery of the equipment specified herein, and in event of delay(s) in the delivery of the equipment beyond the date set forth in the Agreement, or beyond authorized extensions thereof MaineDOT may impose liquidated damages. Because it is difficult to determine the actual amount of the damage by reason of such delay it is therefore agreed that the Provider will pay the sum of one hundred dollars (\$100.00) per unit for each calendar day(s) delay in delivery as liquidated damages and not as a penalty. The delivery day period becomes effective upon issuance of the delivery order. Provider has submitted a delivery day period of 120 days in bid.

These damages shall be deducted from any monies due, or which may thereafter become due to the Provider or may be recovered by through any lawful means.

I. <u>SET-OFF RIGHTS</u>

MaineDOT shall have all of its common law, equitable and statutory rights of set-off.

J. FORCE MAJEURE

Either party may be excused from performance under this Agreement to the extent the failure to perform is caused by acts of God or of the public enemy, fire, floods, epidemics, quarantine, restrictions, strikes, labor disputes, and freight embargos, or other causes beyond the party's reasonable control. In the event of such event of force majeure, the affected party shall provide the other party written notice of the cause of delay within five (5) days from the beginning of any such delay. The time of performance shall be excused to extent of the duration of any such event of force majeure, or such period of time as may be mutually agreed upon by the Parties.

K. INDEMNIFICATION

The Provider shall indemnify and hold harmless the MaineDOT and its officers, agents, and employees from and against any and all claims, liabilities, and costs, including reasonable attorney fees, for any or all injuries to persons or property or claims for money damages, including claims for violation of intellectual property rights, arising from the negligent acts or omissions of the Provider, its employees or agents, officers or Subcontractors in the performance of work under this Agreement; provided, however, the Provider shall not be liable for claims arising out of the negligent acts or omissions of the MaineDOT, or for actions taken in reasonable reliance on written instructions of the MaineDOT.

This indemnification provision shall survive any termination or expiration of the Agreement.

L. <u>DEFAULT, TERMINATION</u>

i. MaineDOT reserves the right to terminate this Agreement or any part hereof, for its sole convenience. Thirty (30) days advance written notice shall be provided in the case of a termination for convenience. In the event of such termination, Provider shall immediately stop all work hereunder and shall immediately cause any and all of its suppliers and subcontractors to cease work.

Provider shall be paid for all work on a percentage completed basis, as mutually agreed upon by the Parties, up to the date of termination.

- ii. The MaineDOT shall have the right to terminate this Agreement in the event of a material breach or default by Provider of its obligations hereunder that is not cured within thirty (30) days from the date of receipt by Provider of written notice of such breach from the MaineDOT. If the breach or default, by its nature, cannot be cured within such thirty (30) day period, then Provider shall have such additional time (not to exceed thirty (30) additional days) as may be necessary to cure the breach or default, provided Provider has exercised reasonable commercial efforts and taken appropriate action to begin cure of the breach or default within the initial thirty (30) day cure period.
- iii. The MaineDOT shall have the right to terminate this Agreement immediately upon written notice to Provider in the event (i) Provider, or any director, officer or employee of Provider assigned to this Project is convicted of a criminal offense directly related to information technology services; or (ii) proceedings in bankruptcy are commenced against Provider or if a receiver is appointed and such case or proceeding shall continue undismissed, or unstayed and in effect, for a period of one hundred twenty (120) days. Notwithstanding the foregoing, if the conviction of an employee assigned to this Project, officer or director, relates to individual and/or personal actions of such employee, officer or director and not the policy or directive of Provider and, upon such conviction, Provider shall terminate or otherwise remove such employee, officer or director and take such other steps to reasonably ensure the propriety of Provider's delivery of information technology services, then the MaineDOT shall not have a right to terminate this Agreement pursuant to the foregoing clause (i) of this Section (L).
- iv. Provider shall have the right to terminate this Agreement in the event of a material breach or default by the MaineDOT of its obligations hereunder that is not cured within thirty (30) days from the date of receipt by the MaineDOT of written notice of such breach from Provider. If the breach or default, by its nature, cannot be cured within such thirty (30) day period, then the MaineDOT shall have such additional time (not to exceed thirty (30) additional days) as may be necessary to cure the breach or default, provided the MaineDOT has exercised reasonable commercial efforts and taken appropriate actions to begin cure of the breach or default within the initial thirty (30) day cure period.
- v. Provider shall cause the foregoing provisions to be inserted in any subcontract for any work covered by this Agreement so that such provisions shall be binding upon each subcontractor, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

M. DELIVERY AND ACCEPTANCE

Time is of the essence in the delivery of the equipment. The Provider shall execute the work continuously and diligently. Delivery of the units shall occur in accordance with the terms and conditions outlined in this Agreement.

- i. Production of the units shall be conducted as a continuous production with no breaks or inserts of other orders or types of equipment.
- ii. Delivery shall be restricted to Monday through Friday, between the hours of 8 AM and 4 PM.
- iii. The Provider will contact MaineDOT Fleet Services 24 hrs. prior to delivery with an estimated time of arrival.
- iv. Units furnished under this Agreement shall be delivered in first class condition, complete and ready for operation, and the Provider shall assume all costs, responsibilities, and risk of

- loss related to damage that may have occurred in the delivery of the units.
- v. When units are delivered, certificates or releases signed by representatives of MaineDOT Fleet Services are understood to be a simple acknowledgment of receipt of the units only and will NOT constitute an acceptance of the condition of the units or their conformance with the terms and conditions of the Agreement specifications.
- vi. Upon delivery, MaineDOT may conduct such tests as may be required to determine to its own satisfaction that the units appear to be in conformance with the terms, conditions, and requirements of the Agreement specifications.

Acceptance shall occur following final inspection by authorized employees of MaineDOT Fleet Service, receipt of the titles and all requested documentation. The Provider will be notified, in writing, of acceptance/non-acceptance within fifteen calendar (15) days of delivery to the location specified in this Agreement.

N. RIGHT TO SUSPEND WORK

MaineDOT has the right to suspend any or all work at any time for any reason as it deems necessary. Consultant may receive payment for the portion of services completed through the date of suspension.

O. <u>COPYRIGHT AND LICENSES - PATENTS AND COPYRIGHTS</u>

Data and publication rights to any documents, produced under the terms of this Agreement are the property of MaineDOT. The Provider shall not copyright the material produced under the terms of the Agreement without written approval of MaineDOT, except to the extent necessary to protect its rights pursuant to the following paragraph.

The Parties to this Agreement mutually agree that, if patentable discoveries, intellectual property and software, or inventions should result from work described therein, all rights accruing from such discoveries or inventions shall be the sole property of the MaineDOT.

P. CLAIMS AND DISPUTES

General

To preserve any claim arising out of the Agreement, the Parties shall comply with and exhaust all provisions of this Section. Unless otherwise agreed to in writing, the Provider shall continue to perform its services during any dispute resolution process. If the Provider continues to perform, MaineDOT shall continue to make payments in accordance with the Agreement of amounts not in dispute.

Negotiation with MaineDOT's Fleet Representative

The Provider shall promptly notify MaineDOT's Fleet Representative, or their designee, in writing, of disputes that could significantly affect scope, schedule or compensation. After such notice, the Provider and MaineDOT's Fleet Representative shall promptly negotiate in good faith to resolve the dispute. MaineDOT's Fleet Representative will promptly issue a decision.

Review by Director

If the Provider desires a review of MaineDOT's Fleet Representative's decision, then the Provider shall promptly request in writing that MaineDOT's Director of the applicable Bureau or Office review the Fleet Representative's decision. The Director or its designee(s) shall promptly notify the Provider in writing of the result of the review.

Dispute Resolution

If the dispute remains unresolved after negotiation and review as set forth above, the Parties may proceed to mediation by selecting a mediator acceptable to both.

If the Parties are unable to resolve the dispute through mediation, either party may seek judicial review through a civil action commenced in the Superior Court of Maine, Kennebec County.

Q. NOTICE OF CLAIMS

The Provider shall give the MaineDOT's Fleet Representative immediate notice in writing of any legal action or suit filed related in any way to the Agreement or which may affect the performance of duties under the Agreement, and prompt notice of any claim made against the Provider by any subcontractor which may result in litigation related in any way to the Agreement or which may affect the performance of duties under the Agreement.

R. CONTROLLING LAWS

The Agreement referred to in these Terms and Conditions is governed by the applicable laws of the Federal Government and the State of Maine.

Laws to Be Observed

The Provider shall comply with all applicable Federal. State and local laws, rules, regulations, orders, and ordinances affecting the work including, without limitation all environmental, wage, labor, equal opportunity, safety, patent, copyright, or trademark laws. The Provider shall indemnify MaineDOT and hold MaineDOT harmless against any and all claims or liabilities arising from or based upon the violation or alleged violation of any such Law caused directly or indirectly by or through the Provider.

S. <u>ENTIRE AGREEMENT/BINDING EFFECT/MODIFICATION/ASSIGNMENT</u>

This Agreement sets forth the entire agreement of the Parties with regard to the subject herein. This Agreement may not be modified except by a written amendment executed by both Parties.

Neither MaineDOT nor the Provider may assign, sublet, or transfer any rights under or interest (including, but without limitation, monies that are due or may become due) in the Agreement without the written consent of the other, except to the extent that any assignment, subletting, or transfer is mandated or restricted by law. Unless specifically stated to the contrary in any written Consent To Assignment, no assignment shall release or discharge the assignor from any duty or responsibility under the Agreement.

T. SEVERABILITY

The invalidity or unenforceability of any particular provision or part thereof of this Agreement shall not affect the remainder of said provision or any other provisions, and this Agreement shall be construed in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

U. NON-WAIVER

If MaineDOT fails or refuses to enforce any provision in the Agreement that shall not constitute a waiver of that provision, nor shall it affect the enforceability of that provision or of the remainder of the Agreement.

V. SUB-AGREEMENTS

Unless provided for in this Agreement, no arrangement shall be made by the Provider with any other party for furnishing any of the services herein contracted for without the consent and approval of the MaineDOT's BP54 (Rev 10/2017)

Fleet Representative. Any sub-agreement hereunder entered into subsequent to the execution of this Agreement must be annotated "approved" by the MaineDOT's Fleet Representative before it is reimbursable hereunder. This provision will not be taken as requiring the approval of contracts of employment between the Provider and its employees assigned for services thereunder.

W. SUBLETTING, ASSIGNMENT OR TRANSFER

The Provider shall not sublet, sell, transfer, assign or otherwise dispose of this Agreement or any portion thereof, or of its right, title or interest therein, without written request to and written consent of the Agreement Administrator. No subcontracts or transfer of agreement shall in any case release the Provider of its liability under this Agreement.

- **X. EQUAL EMPLOYMENT OPPORTUNITY** During the performance of this Agreement, the Provider agrees as follows:
 - a. The Provider shall not discriminate against any employee or applicant for employment relating to this Agreement because of race, color, religious creed, sex, national origin, ancestry, age, physical or mental disability, or sexual orientation, unless related to a bona fide occupational qualification. The Provider shall take affirmative action to ensure that applicants are employed and employees are treated during employment, without regard to their race, color, religion, sex, age, national origin, physical or mental disability, or sexual orientation.
 - Such action shall include but not be limited to the following: employment, upgrading, demotions, or transfers; recruitment or recruitment advertising; layoffs or terminations; rates of pay or other forms of compensation; and selection for training including apprenticeship. The Provider agrees to post in conspicuous places available to employees and applicants for employment notices setting forth the provisions of this nondiscrimination clause.
 - b. The Provider shall, in all solicitations or advertising for employees placed by or on behalf of the Provider relating to this Agreement, state that all qualified applicants shall receive consideration for employment without regard to race, color, religious creed, sex, national origin, ancestry, age, physical or mental disability, or sexual orientation.
 - c. The Provider shall send to each labor union or representative of the workers with which it has a collective bargaining agreement, or other agreement or understanding, whereby it is furnished with labor for the performance of this Agreement a notice to be provided by the contracting agency, advising the said labor union or workers' representative of the Provider's commitment under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
 - d. The Provider shall inform the contracting Department's Equal Employment Opportunity Coordinator of any discrimination complaints brought to an external regulatory body (Maine Human Rights Commission, EEOC, Office of Civil Rights) against their agency by any individual as well as any lawsuit regarding alleged discriminatory practice.
 - e. The Provider shall comply with all aspects of the Americans with Disabilities Act (ADA) in employment and in the provision of service to include accessibility and reasonable accommodations for employees and clients.

- f. Contractors and subcontractors with contracts in excess of \$50,000 shall also pursue in good faith affirmative action programs.
- g. The Provider shall cause the foregoing provisions to be inserted in any subcontract for any work covered by this Agreement so that such provisions shall be binding upon each

subcontractor, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

Y. EMPLOYMENT AND PERSONNEL

The Provider shall not engage any person in the employ of any State Department or Agency in a position that would constitute a violation of 5 MRSA § 18 or 17 MRSA § 3104. The Contractor shall not engage on a full-time, part-time or other basis during the period of this Agreement, any other personnel who are or have been at any time during the period of this Agreement in the employ of any State Department or Agency, except regularly retired employees, without the written consent of the State Purchases Review Committee. Further, the Provider shall not engage on this project on a full-time, part-time or other basis during the period of this Agreement any retired employee of the Department who has not been retired for at least one year, without the written consent of the State Purchases Review Committee. The Provider shall cause the foregoing provisions to be inserted in any subcontract for any work covered by this Agreement so that such provisions shall be binding upon each subcontractor, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

Z. STATE EMPLOYEES NOT TO BENEFIT

No individual employed by the State at the time this Agreement is executed or any time thereafter shall be admitted to any share or part of this Agreement or to any benefit that might arise therefrom directly or indirectly that would constitute a violation of 5 MRSA § 18 or 17 MRSA § 3104. No other individual employed by the State at the time this Agreement is executed or any time thereafter shall be admitted to any share or part of this Agreement or to any benefit that might arise therefrom directly or indirectly due to his employment by or financial interest in the Provider or any affiliate of the Provider, without the written consent of the State Purchases Review Committee. The Provider shall cause the foregoing provisions to be inserted in any subcontract for any work covered by this Agreement so that such provisions shall be binding upon each subcontractor, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

AA. ACCESS TO RECORDS

As a condition of accepting a contract for services under this section, a contractor must agree to treat all records, other than proprietary information, relating to personal services work performed under the contract as public records under the freedom of access laws to the same extent as if the work were performed directly by the department or agency. For the purposes of this subsection, "proprietary information" means information that is a trade secret or commercial or financial information, the disclosure of which would impair the competitive position of the contractor and would make available information not otherwise publicly available. Information relating to wages and benefits of the employees performing the personal services work under the contract and information concerning employee and contract oversight and accountability procedures and systems are not proprietary information. The Provider shall maintain all books, documents, payrolls, papers, accounting records and other evidence pertaining to this Agreement and make such materials available at its offices at all reasonable times during the period of this Agreement and

for such subsequent period as specified under Maine Uniform Accounting and Auditing Practices for Community Agencies (MAAP) rules. The Provider shall allow inspection of pertinent documents by the Department or any authorized representative of the State of Maine or Federal Government, and shall furnish copies thereof, if requested. This subsection applies to contracts, contract extensions and contract amendments executed on or after October 1, 2009.

BB. <u>LIABILITY INSURANCE</u>

The Provider shall keep in force a liability policy issued by a company fully licensed or designated as an eligible surplus line insurer to do business in this State by the Maine Department of Professional & Financial Regulation, Bureau of Insurance, which policy includes the activity to be covered by this Agreement with adequate liability coverage to protect itself and the Department from suits. Providers insured through a "risk retention group" insurer prior to July 1, 1991 may continue under that arrangement. Prior to or upon execution of this Agreement, the Provider shall furnish the Department with written or photocopied verification of the existence of such liability insurance policy.

CC. NON-APPROPRIATION

Notwithstanding any other provision of this Agreement, if the State does not receive sufficient funds to fund this Agreement and other obligations of the State, if funds are de-appropriated, or if the State does not receive legal authority to expend funds from the Maine State Legislature or Maine courts, then the State is not obligated to make payment under this Agreement.

DD. ENTIRE AGREEMENT

This document contains the entire Agreement of the Parties, and neither party shall be bound by any statement or representation not contained herein. No waiver shall be deemed to have been made by any of the Parties unless expressed in writing and signed by the waiving party. The Parties expressly agree that they shall not assert in any action relating to the Agreement that any implied waiver occurred between the Parties which is not expressed in writing. The failure of any party to insist in any one or more instances upon strict performance of any of the terms or provisions of the Agreement, or to exercise an option or election under the Agreement, shall not be construed as a waiver or relinquishment for the future of such terms, provisions, option or election, but the same shall continue in full force and effect, and no waiver by any party of any one or more of its rights or remedies under the Agreement shall be deemed to be a waiver of any prior or subsequent rights or remedy under the Agreement or at law.

RIDER C RFQ DOCUMENT

STATE OF MAINE

DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES BUREAU OF BUSINESS MANAGEMENT DIVISION OF PROCUREMENT SERVICES

RFQ # 17A18062900000000000691

QUOTES ARE INVITED BY THE MAINE DEPARTMENT OF TRANSPORTATION (HEREIN AFTER "THE DEPARTMENT OR MAINEDOT") IN CONJUCTION WITH THE MAINE DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES, BUREAU OF GENERAL SERVICES, AND DIVISION OF PROCUREMENT SERVICES (HEREIN AFTER "THE DIVISION") FOR THE FOLLOWING:

VEHICLE DESCRIPTION: Small Cutaway Accessible Bus SEATING: Twelve Ambulatory Passengers and Two Wheelchair

<u>Provider</u>	Quantity	Estimated	Delivery
		Location	
Kennebec Valley Community Action Program	4	Waterville	
Regional Transportation Program	4	Portland	
York County Community Action Corporation	5	Sanford	
To be determined (TBD) over the term of Agreement	32		
Total	45		

NOTE: THERE WILL BE NO PUBLIC BID OPENING

- ANY VENDORS THAT FAIL TO COMPLETE AND SUBMIT ALL NECESSARY ACCURATE REQUIREMENTS WILL BE CONSIDERED AS NON-RESPONSIVE AND THE BID WILL BE REJECTED.
- A BUS BUILD SHEET MUST BE SUBMITTED WITH THE BIDDER'S PROPOSAL STATING WHAT IS BEING OFFEREDAND HOW THE BUS WILL BE BUILT. THE BUS BUILD SHEET MUST REPRESENT EXACTLY WHAT THE BUS MANUFACTURER WILL BE BUILDING IF THEY ARE AWARDED THE BID.
- > VEHICLE SERVICE CENTER MUST BE AVAILABLE TO THE PROVIDERS WITHIN 75 MILES OF THEIR LOCATION. SECTION 2.3 VEHICLE PERFORMANCE AND WARRANTY DATA OF APPENDIX D, FEDERAL REQUIREMENTS AND CERTIFICATIONS MUST BE FILLED OUT ACCURATELY.

➤ GENERAL INSTRUCTIONS ON BIDDER QUESTIONS

It is the responsibility of each Bidder to examine the entire Request for Quotations ("RFQ") and to seek clarification by submitting questions through the Q & A List tab on the Solicitation page. Any answers to questions will appear there as well. It is the Bidder's responsibility to log in to view all questions and answers posted. Additional information obtained any other way will not be valid.

SUMMARY

For this competitive RFQ process, the Division is acting on behalf of the Department. The Division and the Department seek quotations (also referred to as "bids" or "responses" or "proposals" herein) to provide the equipment listed above. This document provides instructions and descriptions of requirements for this competitive process.

KEY DATES

- ➤ PRE-BIDDERS CONFERENCE: The Department will hold a Pre-Bidders' Conference 7/25/2018 at 9:00 am in Augusta, Maine at the MaineDOT Fleet Services Conference Room, located at 66 Industrial Drive Augusta, Maine 04330.
- ➤ APPROVED EQUALS REQUEST: Requests for "approved equals" to specifications, protests of specifications, and requests for clarification must be submitted in writing to, and received by the Division no later than 5:00 pm on 8/3/2018 by e-mail to Donny.Crockett@maine.gov.
- ➤ RESPONSE TO APPROVED EQUALS REQUESTS: Department responses will be posted as a file attached to the quote on the Advantage ME electronic bid document by 5:00 pm on 8/13/2018.
- > QUOTATION DUE DATE: Quotations must be received no later than 4:00 p.m. Eastern Standard Time (EST), on 8/27/2018. Quotations received after the 4:00 p.m. deadline will not be accepted.

IT WILL BE THE BIDDER'S RESPONSIBILITY TO CHECK ADVANTAGEME FOR RESPONSES TO THE ABOVE AND ANY NEW AMENDMENTS TO THE RFO.

RFQ REQUIREMENTS

1. Description of Requirements

The following is a description of the goods and/or services sought by the State of Maine under this RFQ.

• Please see **Appendix B**

2. Bid Contents Requirements

In addition to the cost, delivery, and other information required in VSS, all bids should contain the following information as attachments, in the Appendices listed below:

- Appendix A: Bid Cover Page and Debarment Form
- Appendix B: Detailed Specifications
- **Appendix C:** Municipality Participation
- Appendix D: Federal Provisions, Debarment, Performance, and Non-Collusion Certification
- Appendix E: MaineDOT Terms and Conditions

3. Master Agreement Term

In addition to any mutually agreed upon delivery dates for purchases of goods, the contract resulting from this RFQ will have a term, or "Period of Performance", during which the contract is considered to be in effect. The <u>anticipated</u> contract term is defined in the table below. Please note that the dates below are <u>estimated</u> and may be adjusted as necessary in order to comply with all procedural requirements

associated with this RFQ and the contracting process. The actual contract start date will be established by the completed and approved contract.

Contract Renewal: N/A

The term of the anticipated contract, resulting from this RFQ, is defined as follows:

Period	Start Date	End Date
Initial Period of Performance	9/1/18	8/31/23

4. **Submitting a Quotation**

- a. **Quotations Due:** Quotations must be received <u>no later than</u> **4:00 p.m. Eastern Standard Time** (**EST**), on the date listed in VSS. <u>Quotations received after the 4:00 p.m. deadline will not be accepted.</u>
- b. **Submission Instructions:** Bidders must submit their bids in the State of Maine's electronic procurement system: Advantage "Vendor Self Service" (VSS). More information on this system can be found at the following internet link: http://www.maine.gov/purchases/venbid/rfq.shtml.
- c. **Multiple Quotations:** Unless specifically prohibited in Section 1 of this RFQ, Bidders are permitted to submit multiple quotations for this RFQ, offering alternative items or pricing for the State of Maine to consider in its best value determination.
- d. **Withdrawal of a Quotation:** Bidders are permitted to withdraw their own quotations up until the due date and time for receipt of quotations. To do so, a Bidder must enter the VSS system (as referenced above), identify and open their submitted quotation located in the Solicitation Responses tab, and click the "Withdraw" button found at the bottom of the screen. Quotations cannot be withdrawn after the due date and time for receipt of quotations.
- e. **Attachments**: Any attachments provided with the Advantage VSS bid submission must be in MS Word, MS Excel, or Adobe (.pdf) format, unless otherwise specified in Section 1 of this RFQ. Vendors are encouraged to submit supporting documentation that aid the requesting department in understanding how the bid conforms to the requirements. **The VSS attachment file size limit is 2Mb**. Please contact the buyer for this RFQ if you must submit attachment files larger than this.
- f. **Vendor specifications:** Unless otherwise stated in this RFQ document, limited specification information will be required upon submission of a bid in response to this RFQ. However, a Bidder's response should include an affirmative statement that their bid complies with all requirements of this RFQ, unless the Bidder specifically addresses how its bid differs from the specifications, and why the differences should be deemed acceptable by the State.

5. General Instructions

- a. The Bidder must submit a cost quotation response that covers the goods and term of the contract, including any optional renewal.
- b. The cost quotation shall include the costs necessary for the Bidder to fully comply with the contract

- terms and conditions and RFQ requirements.
- c. Failure to provide the requested information may result in the exclusion of the quotation from consideration, at the discretion of the Division.
- d. No costs related to the preparation of the quotation for this RFQ or to the negotiation of the contract with the Department may be included in the quotation.
- e. The State is exempt from the payment of Federal, State and local Taxes on articles not for resale. Please provide quotations that do not include these taxes. Upon application, an exemption certificate can be furnished by the State at the point of contract finalization.

6. Quotation Evaluation and Selection

Evaluation of the submitted quotations shall be accomplished as detailed below:

- a. State of Maine RFQ documents are evaluated on a **Best Value** basis. The term "Best Value" may take into consideration the qualities of the goods or services to be supplied, their conformity with the specifications listed in the RFQ, the purposes for which they are required, the date of delivery, and the best interest of the State. Once the goods or services have been determined to conform to the specifications then the Division will make its award decision based on the lowest price among the Bidders.
- b. At the discretion of the Division, if a Bidder's submission is deemed to not conform to the specifications listed in the RFQ, or otherwise not conform to the requirements of the RFQ, then that Bidder's submission may not be considered for contract award.
- c. In the event that no Bidder submission conforms to the specifications of this RFQ, then the Division may choose not to make any award. Alternatively, the Division may make an award to the Best Value Bidder whose specifications <u>most closely meet</u> the specifications of this RFQ. For example, if there are five specification requirements, and two responses are received with one Bidder meeting four requirements, and one bidder meeting three requirements, then the Division, at its discretion, may make a contract award to the Bidder meeting four requirements.
- d. If the specifications provided with this RFQ are of a technical nature, then the Division's RFQ Coordinator, at his or her discretion, may seek to use an evaluation team comprised of subject matter experts, end-users from the Requesting Department, or other State Department representatives. In such a case, the evaluation team will judge the merits of the quotations received in accordance with the best value criteria defined in the RFQ.

7. Negotiations

- a. <u>No Best and Final Offers</u>: The State of Maine will not seek a best and final offer (BAFO) from any Bidder in this procurement process. All Bidders are expected to provide their Best Value pricing with the submission of their quotation.
- b. The Division reserves the right to negotiate with the successful Bidder to finalize a contract at the same rate or cost of goods and services as presented in the selected quotation. Such negotiations may not significantly vary the content, nature or requirements of the quotation or the RFQ to an extent that may affect the price of goods or services requested. The Division reserves the right to terminate contract negotiations with a selected Bidder who submits a proposed contract significantly different from the quotation submitted in response to the RFQ.
- c. In the event that an acceptable contract cannot be negotiated with the highest ranked Bidder, the Division may withdraw its award and negotiate with the next-highest ranked Bidder, and so on, until an acceptable contract has been finalized. Alternatively, the Division may cancel the RFQ, at its sole discretion.

TERMS AND CONDITIONS FOR RFQ AND CONTRACT

PART I GENERAL INFORMATION ON RFQs

A. Purpose and Background

The State of Maine ("State") Department of Administrative and Financial Services ("Department"), Bureau of Business Management ("Bureau"), Division of Procurement Services ("Division") acts as the purchasing agent on behalf of all Executive Departments and other agencies within State Government. For this competitive Request for Quotations (RFQ) process, the Division is acting on behalf of the Requesting Department listed on the cover page. The Division and the Requesting Department seek quotations (also referred to as "bids" or "responses" herein) to provide the goods/services as defined above in Section 1 of this document. This document provides instructions for submitting quotations, the procedure and criteria by which the Bidder(s) will be selected, and the contractual terms which will govern the relationship between the State and the awarded Bidder(s). Following Bidder selection and upon reaching a mutual agreement, the State and the selected Bidder will enter into a contract – taking the form of a State of Maine Master Agreement or Buyer Purchase Order (all generally referred to as "contract" herein), as applicable.

B. General Provisions

- 1. Issuance of this RFQ does not commit the Division or the Requesting Department to issue an award or to pay expenses incurred by a Bidder in the preparation of a response to this RFQ. This includes attendance at personal interviews or other meetings and software or system demonstrations, where applicable.
- 2. All responses to this RFQ should adhere to the instructions and format requirements outlined in this RFQ and all written supplements and amendments (such as the Division's answers to the Bidders' questions submitted through the VSS), as issued by the Division. Responses are to follow the format and respond to all questions and instructions specified above in the "Submitting a Quotation" section of this RFO.
- 3. Bidders shall take careful note that in evaluating a quotation submitted in response to this RFQ, the Department may consider materials provided in the quotation, information obtained through interviews/presentations (if any), and internal information of previous contract history between the Division and the Bidder (if any). The Division also reserves the right to consider other reliable references and publicly available information available in evaluating a Bidder's experience and capabilities, if needed. All responses to this RFQ shall be considered to be authorized to legally bind the Bidder, and if selected for award, shall contain or be considered to contain a statement that the quotation and the pricing contained therein will remain valid and binding for a period of at least 180 days from the date and time of the bid opening.
- **4.** The RFQ and the selected Bidder's quotation, including all appendices or attachments, may be incorporated in the final contract.
- 5. Following announcement of an award decision, all submissions in response to this RFQ will be considered public records available for public inspection pursuant to the State of Maine Freedom of Access Act (FOAA) (1 M.R.S. §§ 401 et seq.).
 - http://www.mainelegislature.org/legis/statutes/1/title1sec401.html
- **6.** The Division, at its sole discretion, reserves the right to recognize and waive minor informalities and irregularities found in quotations received in response to this RFQ.
- 7. The Division reserves the right to authorize other State Departments to use the contract(s) resulting from this RFQ, if it is deemed to be beneficial for the State to do so.

8. All applicable laws, whether or not herein contained, shall be included by this reference. It shall be Bidder's responsibility to determine the applicability and requirements of any such laws and to abide by them.

C. Eligibility to Submit Bids

Public agencies, private for-profit companies, and non-profit companies and institutions are invited to submit bids in response to State of Maine Requests for Quotations.

D. Delivery Terms

For the purchase of goods, the Division and selected Bidder will decide upon a delivery date in accordance with the State's requirements and the terms offered in the Bidder's quotation. Unless stated otherwise in Section 1 of this RFQ, all deliveries are expected with shipping terms of "Free on Board (FOB) – Destination". The State intends for this to mean that all goods shall be priced in the bid response to include shipping charges, if any, to the State's desired location. The "FOB – Destination" shipping term is also intended to mean that the State shall not bear any responsibility for the goods in question until the State takes possession of them at the destination point of delivery.

E. Alternate Bids and Approved Equals

When, in bid forms and specifications, an article or material is identified by using a trade name and catalog number of a manufacturer or vendor, the term "or approved equal," if not inserted with the identification, is implied. Any Bidder that seeks to propose an alternate item from what is specified in this RFQ should refer to State of Maine Statute 5 MRSA §1825-B, for "Bids, awards and contracts", found here: http://www.mainelegislature.org/legis/statutes/5/title5sec1825-B.html

F. Appeal of Contract Awards

Any person aggrieved by the award decision that results from this RFQ may appeal the decision to the Director of the Bureau of General Services in the manner prescribed in 5 MRSA § 1825-E and 18-554 Code of Maine Rules, Chapter 120 (found here: http://www.maine.gov/purchases/policies/120.shtml). The appeal must be in writing and filed with the Director of the Bureau of General Services, 9 State House Station, Augusta, Maine, 04333-0009 within 15 calendar days of receipt of notification of contract award.

If this RFQ results in the creation of a pre-qualified or pre-approved list of vendors, then the appeal procedures mentioned above are available upon the original determination of that vendor list, but not during subsequent competitive procedures involving only the pre-qualified or pre-approved list participants.

PART II CONTRACT ADMINISTRATION AND CONDITIONS

A. Contract Document

The successful Bidder will be required to execute a contract in the form of a State of Maine Master Agreement.

The Standard Terms and Conditions used with the aforementioned contract types may be found on the Division of Procurement Services' website at the following link: http://www.maine.gov/purchases/info/forms/BPO General Terms.doc In the event that the State of Maine's Standard Terms and Conditions or RFQ provisions do not otherwise cover contractual scenarios that are specific to the goods or services being purchased under this RFQ, then the State is willing to consider a Bidder's standard terms and conditions. Consideration or use of a Bidder's standard terms and conditions shall only occur under the general agreement that in the event of a conflict, the State of Maine's Standard Terms and Conditions and RFQ provisions shall take precedence.

Other forms and contract documents commonly used by the State can be found on the Division of Procurement Services' website at the following link: http://www.maine.gov/purchases/info/forms.shtml

B. Independent Capacity

In providing services and performing under the contract, the successful Bidder shall act independently and not as an agent of the State of Maine.

C. Payments and Other Provisions

The State anticipates paying the selected Bidder for goods and services received, on the basis of net 30 payment terms, upon the receipt of an accurate and acceptable invoice. An invoice will be considered accurate and acceptable if it contains a reference to the State of Maine contract number, contains correct pricing information relative to the contract, and provides any required supporting documents, as applicable, and any other specific and agreed-upon requirements listed within the contract that results from this RFQ.

The State of Maine reserves the right to pay for goods purchased through this solicitation by any of several available means, which include but may not be limited to check, EFT, and/or procurement card. Bidders are advised that state statute precludes sellers from imposing a surcharge on credit or debit card purchases (text follows):

"9-A MRSA §8-303 (2): A seller in a sales transaction may not impose a surcharge on a cardholder who elects to use a credit card or debit card in lieu of payment by cash, check or similar means."

RFQ REQUIREMENTS

- 1.1 The following requirements and conditions shall be considered an essential part of the specifications and proposal:
 - 1.1.1 Proposals are requested for the above listed items to be purchased by the Department. Purchase of these vehicles is subject to a Financial Assistance Agreement between the Department and the U.S. Department of Transportation, Federal Transit Administration.

The Catalog of Federal Domestic Assistance Number of the Program from which the Federal funding for the vehicles is authorized under one or more of the following: Catalog 20.507, 20.509, 20.513, 20.520, 20.521, 20.526

Quoted prices must remain in effect for a period of five (5) **years** after the Agreement begin date, during which time an additional **32** units **may** be ordered at the quoted price. "Be noted" the inclusion of this option in no way establishes a commitment by the State of Maine to purchase any of these additional vehicles should it not receive sufficient funds to fund the purchase of these additional vehicles, if funds are de-appropriated, or if the State of Maine does not received

legal authority to expend funds from the Maine State Legislature, Maine courts or Federal Government.

1.1.2 All vehicles bid must conform to the final approved specifications and all Federal and State laws, regulations and standards. Where these specifications and Federal and/or State laws conflict, the requirements of the Federal and/or State laws shall prevail.

APPLICABLE REGULATIONS: SEE CERTIFICATIONS REQUIRED

- 1.1.3 Vehicle and component parts must be of the highest quality and workmanship available in the various trades and of substantial, durable, and safe construction. In all cases materials and construction of the vehicle must be furnished as specified but when brand names are used in the specifications, the term "approved equal" is implied and will be considered.
- 1.1.4 No advantage shall be taken by the vehicle manufacturer or bidder in the omission of parts or details required to make the vehicle complete and ready for service even though such parts or details may not be mentioned in these specifications. All units or parts not herein contained or specified shall be manufacturer's standard. All parts shall be new. In no case will used, reconditioned, or obsolete parts be accepted. Insofar as possible, parts and equipment in any one vehicle shall be a duplicate in manufacture, design and construction and shall be interchangeable with parts and equipment in any other vehicle in the proposal.
- 1.1.5 The price quoted in any proposal shall include all items of labor, material, tools, equipment, delivery and other costs necessary to fully complete the delivery of vehicles pursuant to these specifications.
- 1.1.6 The Division/ Department reserve the right to accept or reject any or all quotes for any reason, including, but not limited to, the following:
- 1.1.6.1 Equivalency of proposed specifications vs. specifications included in this RFQ.
- 1.1.6.2 High lifecycle operating and maintenance costs based on evaluation of vehicle performance.
- 1.1.6.3 Warranty data, and local availability of service and parts pursuant to Appendix D Federal Requirements and Certifications, Section 2.3 Certification Vehicle Performance & Warranty Data of this RFQ..
- 1.1.6.4 Quotes considered non-responsive due to lack of required certifications and information.

2 <u>DELIVERY REQUIREMENT:</u>

The delivered vehicles shall be inspected by the Department and the Provider at the Department's Augusta Fleet Services location prior to delivery to the procuring agency at a location determined by the Department and the Provider. Delivery to the Provider "as stated on first page of Invitation to Bid" shall be the responsibility of the successful bidder.

The successful bidder will be required to provide the Department 48 hour notice prior to delivery. Failure to do so could result in delivery delays and possible exclusion from future bidding.

3 TRAINING:

Training for both maintenance and operation on proposed vehicles will be provided by the successful bidder and the manufacturer at a time and place chosen by the Department and the Provider. All training costs will be included in bid price as an option and bidder must include the training agenda and detailed description of the maintenance & operation training in their submittal.

4 REQUEST FOR "APPROVED EQUAL" PROCEDURES

- 1. Any request for "approved equal" or protest of specifications must be fully supported with technical data, test results, or other pertinent evidence that the proposed substitute is equal to or better than the specification requirement. In addition, any test requirements in the specifications pertaining to an item under consideration for "approved equal" must be submitted with the request for "approved equal".
- **2.** The Department replies to requests for "approved equals" to specifications, protests of specifications, and requests for clarification will be processed through the Division and posted as a file attached to the quote on the Advantage ME electronic bid document.
- 3. Changes to the specifications will be made by amendment and posted electronically (Advantage ME) It is the Bidders's responsibility to log in to view all amendments to this quote.
- 4. Note: All questions and responses must be provided via the State of Maine's e-Procurement system: AdvantageME / Vendor Self Service ("VSS").

5 QUOTATION EVALUATION AND SELECTION

Evaluation of the submitted quotations shall be accomplished as detailed below:

- 5.1 State of Maine RFQ documents are evaluated on a **Best Value** basis. The term "Best Value" takes into consideration the qualities of the goods or services to be supplied, their conformity with the specifications listed in the RFQ, the purposes for which they are required, the date of delivery, and the best interest of the State. Once it has been determined that the equipment conforms to the specifications listed, and other Best Value considerations have been made, then the Division will make its award decision based on the lowest responsible Bidder.
- 5.2 At the discretion of the Division, if a Bidder's submission is deemed to not conform to the specifications listed in the RFQ, or otherwise not conform to the requirements of the RFQ, then that Bidder's submission may not be considered for Agreement award.
- 5.3 In the event that no Bidder submission conforms to the specifications of this RFQ, then the Division may choose not to make any award. Alternatively, the Division may make an award to the Best Value Bidder whose specifications *most closely meet* the specifications of this RFQ. For example, if there are five specification requirements, and two responses are received with one Bidder meeting four requirements, and one bidder meeting three requirements, the Division may at its discretion

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make an Agreement award to the Bidder meeting four requirements.

5.4 If the specifications provided with this RFQ are of a technical nature, then the Division's RFQ Coordinator may at their discretion seek to use an evaluation team comprised of subject matter experts, end-users from the Requesting Department, or other State Department representatives. In that case, the evaluation team will judge the merits of the quotations received in accordance with the criteria defined in the RFQ.

RIDER D

PROVIDER SIGNED CERTIFICATIONS

 $APPENDIX \ A-Bid \ Cover \ Page \ and \ Debarment \ Certification$

APPENDIX C – Municipality Political Subdivision and School District Participation Certification

APPENDIX D – Federal Requirements and Certifications

PART III - APPENDICES

APPENDIX A

STATE OF MAINE DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES DIVISION OF PROCUREMENT SERVICES

BID COVER PAGE

Matthews Bus Alliance, In	c. DBA: Matthews Buses Co	mmercial
Douglas Gifford / Comme	cial Sales Manager	
Tel: 800-330-1175 X-419	Fax: 407-982-7642	dgifford@mbuscommercial.com
4802 West Colonial Drive		
Orlando, FL 32808		
(provide information reque	sted below if different from a	iboye)
Dean Capparelle / Comme		
Tel: 401-500-5634	Fax:	dcapparelle@mbuscommercial.c
PO Box 841		
Greenville, RI 02828		

By signing below Bidder affirms:

- · Their bid complies with all requirements of this RFQ; and
- This bid and the pricing structure contained herein will remain firm for a period of 180 days from the date and time of the bid opening; and
- That no personnel currently employed by the Department or any other State agency participated, either directly or indirectly, in any activities relating to the preparation of the Bidder's proposal; and
- That no attempt has been made or will be made by the Bidder to induce any other person or firm
 to submit or not to submit a proposal; and
- The undersigned is authorized to enter into contractual obligations on behalf of the above-named organization.

Name: Douglas K. Gifford	Title: Commercial Sales Manager
Authorized Signature:	Date: September 19, 2018

State of Maine RFQ #17A180629000000000000691

Debarment, Performance, and Non-Collusion Certification

By signing this document I certify to the best of my knowledge and belief that the aforementioned organization, its principals, and any subcontractors named in this proposal:

- a. Are not presently debarred, suspended, proposed for debarment, and declared ineligible or voluntarily excluded from bidding or working on contracts issued by any governmental agency.
- b. Have not within three years of submitting the proposal for this contract been convicted of or had a civil judgment rendered against them for:
 - fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state or local government transaction or contract.
 - violating Federal or State antitrust statutes or committing embezzlement, theft, forgery, bribery, faisification or destruction of records, making false statements, or receiving staten property;
 - 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 (b) of this certification; and
 - have not within a three (3) year period preceding this proposal had one or more federal, state or local government transactions terminated for cause or defoult.
- c. Have not entered into a prior understanding, agreement, or connection with any corporation, firm, or person submitting a response for the same materials, supplies, equipment, or services and this proposal is in all respects fair and without collusion or froud. The above mentioned entities understand and agree that collusive bidding is a violation of state and federal law and can result in fines, prison sentences, and civil damage awards.
- Failure to provide this certification may result in the disqualification of the Bidder's proposal, at the discretion of the Department.

To the hest of my knowledge all information provided in the enclosed proposal, both programmatic and financial, is complete and accurate at the time of submission.

Title: Commercial Sales Manager
Date: September 19, 2018

APPENDIX C

STATE OF MAINE DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES DIVISION OF PROCUREMENT SERVICES

Municipality Political Subdivision and School District Participation Certification

RFQ # 17A 180629000000000000691

The Division of Purchases is committed to providing purchasing opportunities for **municipalities**, political subdivisions and school districts in Maine by allowing them access, through our vendors, to our Agreement pricing. A hidder's willingness to extend Agreement pricing to these entities will be taken into consideration in making awards.

Голов В се	enames with our factor fittle constitution in manning awarets.
Will you accept quoted?	orders from political subdivisions and school districts in Maine at the prices
X Yes	
Yes with o	conditions as follows:
No	
Address:	ny: Matthews Bus Alliance Inc. DBA: Matthews Buses Commercial dial Drive Orlando, FL 32808
Signature:	The Sh. Siffee
Date: _September	19, 20:8

APPENDIX D FEDERAL REQUIREMENTS AND CERTIFICATIONS

1.0 FEDERAL REQUIREMENTS

1.1 INSPECTION-FEDERAL

The U.S. Department of Transportation, Federal Transit Administration and/or representatives of the MaineDOT shall have the right and be at liberty to inspect, with the cooperation of the successful bidder, materials and workmanship of proposed vehicles and shall have the right to reject materials and workmanship which do not conform to the specifications. Inspections, if any, shall take place during normal business hours. Whether or not inspection is made, the successful bidder shall not be relieved of any obligation to furnish material and workmanship strictly in accordance with specifications.

1.2 CIVIL RIGHTS

The following requirements apply to the underlying contract:

(1) Nondiscrimination - In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, and Federal transit law at 49 U.S.C. § 5332, the successful bidder agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, disability, or sexual preference. In addition, the successful bidder agrees to comply with applicable Federal implementing regulations and other implementing requirements FTA may issue.

- (2) Equal Employment Opportunity The following equal employment opportunity requirements apply to the underlying contract:
- (a) Race, Color, Creed, National Origin, Sex In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. § 2000e, and Federal transit laws at 49 U.S.C. § 5332, the successful bidder agrees to comply with all applicable equal employment opportunity requirements of U.S. Department of Labor (U.S. DOL) regulations, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor," 41 C.F.R. Parts 60 et seq., (which implement Executive Order No. 11246, "Equal Employment Opportunity," as amended by Executive Order No. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," 42 U.S.C. § 2000e note), and with any applicable Federal statutes, executive orders, regulations, and Federal policies that may in the future affect construction activities undertaken in the course of the Project. The Contractor agrees to take affirmative

action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, national origin, sex, age, or sexual preference. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, the successful bidder agrees to comply with any implementing requirements FTA may issue.

- (b) Ago In accordance with section 4 of the Age Discrimination in Employment Act of 1967, as amended, 29 U.S.C. § § 623 and Federal transit law at 49 U.S.C. § 5332, the successful bidder agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.
- (e) Disabilities In accordance with section 102 of the Americans with Disabilities Act, as amended, 42 U.S.C. § 12112, the successful hidder agrees that it will comply with the requirements of U.S. Equal Employment Opportunity Commission, "Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act," 29 C.F.R. Part 1630, pertaining to employment of persons with disabilities. In addition, the Centractor agrees to comply with any implementing requirements FTA may issue.
- (3) The successful bidder also agrees to include these requirements in each subcontract financed in whole or in part with Federal assistance provided by FTA, modified only if necessary to identify the affected parties.

Contract Work Hours and Safety Standards (If Applicable)

All subcontracts of the successful bidder, and all lower tiers subcontracts, shall contain or reference all applicable provisions of this Invitation to Bid.

To the extent applicable any procurement may be covered by The Contract Work Hours and Safety Standards Act as codified at 40 USC 3701, 40 USC 3701(b)(1)(B)(iii) and (b)(2), 40 USC 3701(b)(3) (A)(iii),29 CFR 5.5(b), 29 CFR 5.5(c), 29 CFR 5.2(h), and 49 CFR 18.36(i)(6), Maine DOT will include this clause in said procurements with the following language.

- (1) Overtime requirements No successful bidder or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- (2) Violation; liability for unpaid wages; liquidated damages In the event of any violation of the clause set forth in paragraph (1) of this section the successful bidder and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such successful bidder and subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this

section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

- (3) Withholding for unpaid wages and liquidated damages The (write in the name of the grantee) shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withhold, from any moneys payable on account of work performed by the successful bidder or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime successful hidder, such sums as may be determined to be necessary to satisfy any liabilities of such successful hidder or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.
- (4) Subcontracts The successful bidder or subcontractor shall insert in any subcontracts the clauses set forth in paragraphs (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime successful bidder shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.

1.3 FLY AMERICA REQUIREMENTS:

The successful bidder agrees to comply with 49 U.S.C. 40118 (the "Fly America" Act) in accordance with the General Services Administration's regulations at 41 CFR Part 301-10, which provide that recipients and sub-recipients of Federal funds and their successful bidders are required to use U.S. Flag air carriers for U.S. Government-financed international air travel and transportation of their personal effects or property, to the extent such service is available, unless travel by foreign air carrier is a matter of necessity, as defined by the Fly America Act. The successful bidder shall submit, if a foreign air carrier was used, an appropriate certification or memorandum adequately explaining why service by a U.S. flag air carrier was not available or why it was necessary to use a foreign air carrier and shall, in any event, provide a certificate of compliance with the Fly America requirements. The successful bidder agrees to include the requirements of this section in all subcontracts that may involve international air transportation.

1.4 CARGO PREFERENCE - USE OF UNITED STATES-FLAG VESSELS:

The successful bidder agrees: a. to use privately owned United States-Flag commercial vessels to ship at least 50 percent of the gross tomage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to the underlying contract to the extent such vessels are available at fair and reasonable rates for United States-Flag commercial vessels; b. to furnish within 20 working days following the date of loading for shipments originating within the United States or within 30 working days following the date of leading for shipments originating outside the United States, a legible copy of a rated, "on-board" commercial ocean bill-of-lading in English for each shipment of cargo described in the preceding paragraph to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590 and to the FTA recipient (through the successful bidder in the case of a subcontractor's bill-of-lading.) c. to include these

requirements in all subcontracts issued pursuant to this contract when the subcontract may involve the transport of equipment, material, or commodities by ocean vessel.

1.5 PRE-AWARD AND POST-DELIVERY AUDIT REQUIREMENTS:

The successful bidder agrees to comply with 49 U.S.C. § 5323(I) and FTA's implementing regulation at 49 C.F.R. Part 663 and to submit the following certifications:

- (1) Buy America Requirements: The successful bidder shall complete and submit a declaration certifying either compliance or noncompliance with Buy America. If the Bidder/Offeror certifies compliance with Buy America, it shall submit documentation which lists 1) component and subcomponent 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.
- (2) Solicitation Specification Requirements; The successful bidder shall submit evidence that it will be capable of meeting the bid specifications.
- (3) Federal Motor Vehicle Safety Standards (FMVSS): The successful bidder shall submit 1) manufacturer's FMVSS self-certification sticker information that the vehicle complies with relevant FMVSS or 2) manufacturer's certified statement that the contracted buses will not be subject to FMVSS regulations.

1.6 CLEAN AIR:

- (1) The successful bidder agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. §§ 7401 et seq. The successful hidder agrees to report each violation to the Purchaser and understands and agrees that the Purchaser will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.
- (2) The successful bidder also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FTA.

1.7 CLEAN WATER:

- (1) The successful bidder agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. The successful bidder agrees to report each violation to the Purchaser and understands and agrees that the Purchaser will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.
- (2) The successful bidder also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FTA.

1.8 ENERGY CONSERVATION:

The successful bidder agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

1.9 FEDERAL CHANGES:

Successful bidder shall at all times comply with all applicable FTA regulations, policies,

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procedures and directives, including without limitation those listed directly or by reference in the Master Agreement between Purchaser and FTA, as they may be amended or promulgated from time to time during the term of this contract. Successful bidder's failure to so comply shall constitute a material breach of this contract.

1.10 NO OBLIGATION BY THE FEDERAL GOVERNMENT.:

- (1) The Purchaser and successful bidder acknowledge and agree that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this contract and shall not be subject to any obligations or liabilities to the Purchaser, successful bidder, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.
- (2) The successful bidder agrees to include the above clause in each subcontract financed in whole or in part with Federal assistance provided by FTA. It is further agreed that the clause shall not be modified, except to identify the subcontractor who will be subject to its provisions.

1.11 PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS:

- (1) The successful bidder acknowledges that the provisions of the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. § § 3801 et seq , and U.S. DOT regulations, "Program Fraud Civil Remedies," 49 C.F.R. Part 31, apply to its actions pertaining to this Project. Upon execution of the underlying contract, the successful bidder certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or causes to be made, pertaining to the underlying contract or the FTA assisted project for which this contract work is being performed. In addition to other penalties that may be applicable, the successful bidder further acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986 on the Contractor to the extent the Federal Government deems appropriate.
- (2) The successful bidder also acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under a contract connected with a project that is financed in whole or in part with Federal assistance originally awarded by FTA under the authority of 49 U.S.C. § 5307, the Government reserves the right to impose the penalties of 18 U.S.C. § 1001 and 49 U.S.C. § 5307(n)(1) on the successful bidder, to the extent the Federal Government deems appropriate.
- (3) The successful bidder agrees to include the above two clauses in each subcontract financed in whole or in part with Federal assistance provided by FTA. It is further agreed that the clauses shall not be modified, except to identify the subcontractor who will be subject to the provisions.

1.12 INCORPORATION OF FEDERAL TRANSIT ADMINISTRATION (FTA) TERMS:

The preceding provisions include, in part, certain Standard Terms and Conditions required by DOT, whether or not expressly set forth in the preceding contract provisions. All contractual provisions required by DOT, as set forth in FTA Circular 4220.1B are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Agreement.

The successful bidder shall not perform any act, fail to perform any act, or refuse to comply with any (name of grantee) requests which would cause (name of grantee) to be in violation of the FTA terms and conditions

1.13 SUSPENSION AND DEBARMENT

This contract is a covered transaction for purposes of 49 CFR Part 29, Executive orders 12549 & 12689, and 31 U.S.C 6101.. As such, the successful bidder is required to verify that none of the successful bidder, its principals, as defined at 49 CFR 29,995, or affiliates, as defined at 49 CFR 29,905, are excluded or disqualified as defined at 49 CFR 29,940 and 29,945.

The successful bidder is required to comply with 49 CFR 29, Subpart C and must include the requirement to comply with 49 CFR 29, Subpart C in any lower tier covered transaction it enters into.

By signing and submitting its bid or proposal and the certificate of eligibility, the bidder or proposer certifies as follows:

The certification in this clause is a material representation of fact relied upon by the bidder. If it is later determined that the bidder or proposer knowingly rendered an erroneous certification, in addition to remedies available to the bidder, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment. The bidder or proposer agrees to comply with the requirements of 49 CFR 29, Subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

2.0 CERTIFICATIONS

The following Certifications and information shall be provided by the bidder in conjunction with this Invitation to Bid. FAILURE TO COMPLETE THESE CERTIFICATIONS MAY CAUSE THE BID TO BE REJECTED AS NON-RESPONSIVE.

- Eligibility: Debarment & Suspension
- Non-Collusion Bidding
- Vehicle Performance and Warranty Data.
- Safety, Exhaust/Emissions, Noise Standards
- Disadvantaged Business Enterprise/Women Owned Business Enterprise Goals
- Buy America Provision.
- Bus Testing Provision
- Specification Compliance.
- Lobbying Activities.
- Recycled Products.

ALL CERTIFICATIONS MUST BE COMPLETED & SIGNED.

2.1 CERTIFICATE OF ELIGIBILITY

The Startrans Bus Division of Forest River Inc. (Company name) hereby certifies that it:

- Is 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, nor 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 (Pederal, State, or Local) transaction or contract under a public transaction; violation of Federal or State anti-trust 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 listed in paragraph (2) of this certification; and
- (4) Have not, within a three year period preceding this application, had one or more public transactions (Federal, State, or Local) terminated by default.

The Bidder certifies that if it becomes aware of any later information that contradicts the statements of paragraphs (1) through (4) above, it will promptly inform the State of Maine. Should the Bidder be unable to certify to the statements of paragraphs (1) through (4) above, it shall so acknowledge on its Signature Page and provide a written explanation to the State of Maine.

9/6/2018	Mark Barczak
Dated	Printed Name of Person Bidding
	Mark Baropak
	Authorized Signature
	Government Bid Administrator
	Title

2.2 NONCOLLUSION BIDDING CERTIFICATION

By submission of this Bid, each Bidder and each person signing on behalf of any Bidder certifies, and in the case of a joint bid, each party certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief:

- The prices in this Bid have been arrived at independently without collusion, consultation, communication or agreement, for the purpose of restricting competition as to any other matter relating to such prices with any other Bidder or with any other competitor;
- Unless otherwise required by law, the prices which have been quoted in this Bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to opening, directly or indirectly, to any other Bidder or to any competitor; and,
- No attempt has been made or will be made by the Bidder to induce any other person, partnership or corporation to submit or not to submit a Bid for the purpose of restricting competition.

Dated Mark Barczak
Printed name of Person Bidding

Government Bid Administrator

Title

2.3 VEHICLE PERFORMANCE AND WARRANTY DATA

The information provided on this form will be used in determining operating costs of the vehicle. Bid must complete this form and submitted with bid. Bids received without this information will be considered non-responsive to the bid. THIS FORM MUST BE REPRODUCED AND COMPLETED FOR EACH CATEGORY OF VEHICLES BID.

1.	VEHICLE CATEGORY: Buy
	DESCRIBE THE PROCESS FOR THE SUBMISSION OF WARRANTY CLAIMS FOR REIMBURSEMENT OUTLINED AND SUBMITTED WITH THE BID. (written process to follow for reimbursement of warranty claims)
	Warranty process included in technical emission.
_	
Ξ	
=	
_	
_	
3.	VEHICLE INFORMATION:
YI	FAR 2019 VEHICLE MAKE Startrans Bus
VI	HICLE MODEL Senator SII
120	A MILEAGE RATING: CITY 8 HWY11
151	AMILEAGE RATING. CITT_6HVIII
4.	MANUFACTURER'S RECOMMENDED PREVENTATIVE MAINTENANCE SCHEDULE MUST BE PROVIDED FOR BOTH CHASSIS AND BODY
	included in technical
sul	omission.
_	

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5. BASIC VEHICLE WARRANTY DESCRIPTION

COMPONENT	MANUFACTURER	YEAR	MILES-CYCLES
CHASSIS: (BUMPER/BUMPER)	Ford	3	36,000
TRANSMISSION:	Ferd	3	36,000
ENGINE:	Ford	3	36,000
ENGINE COMPONENTS:	Ford	5	60,000
CORROSION:	Ford	5	unlimited
ROADSIDE ASSITANCE / TOWING:	Ford	5	60,000
SAFETY RESTRAINT SYSTEM:	Ford	5	60,000
ALTERNATORS:	Ford	3	36,000
EMISSIONS:	Ford	5	50,000
BUS BODY:(BASIC BODY)	Stations	1	12,000
STRUCTURE	Starirans	5	70,000
CORROSION	Startrans	- 5	70,000
PAINT	Startraus	1	12,000
SUSPENSION SYSTEMS:	Ford	3	36,000
LIFTS:	Braun	3	10,000 Cycles / 4th & 5th year parts are covered
LIFT COMPONENTS:	Braun	3	10,000 Cycles / 4th & 5th year parts are covered
DOORS:	A&M Systoms	1	12,000

State of Maine RFQ #17A - insert number assigned Advantage System

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COMPONENT	MANUFACTURER	YEAR	MILES-CYCLES
ELECTRICAL SYSTEM:	Startrans	1	12,000
SEATS:	Freedman Seating		
COVERS & UPHOLSTERY - LEVEL		2	unlimited
FRAME.		5	unlimited
FOAM		2	untimited
AIR CONDITIONING;	ACT	3	unlimited
HEATERS:	Pro Air	3	unlimited
WEBASTO HEATERS:	KA		
AUDIO EQUIPMENT:	Ford	J	36,000
VISUAL EQUIPMENT:	Rosco	1	12,995
RESTRAINT SYSTEM:	Q'Strein:	3	unlimited
UNDER COATING:	Starinans	1	12,000
SIGNAGE:	Starteaus	1	12,000

LIGHTING:	Startrans	1	12,000 Yilles
WINDOWS/GLASS:	Hear	1	12,000 Miles

NAME/LOCATION OF REPAIR FACILITY(S) (BOTH AUTHORIZED

WARRANTY, PARTS &

SERVICE PER REQUESTED LOCATION). These facilities must be located within a 75mile radius

of the vehicle location:

A.	VEHICLE CHASSIS
VEH	ICLE LOCATION: ALL Locations on contract
	RRANTY AND SERVICE FACILITY: Advanced Modifications, W.C.Cressey and Son Arundel Ford (See attached for signed agreements for repair and service)
	DRESS: 1766 Hammond St., Hermon, ME 04401, 2 Commerce Dr. Kennebunk, ME 04043 1561 Portland Rd, Arundel, MB 04046
brian	TACT NAME_Gina Bennett - gina@advancedmodifications.com, Brian Cressey - cressey@wccressey.com, Peter Madore - pmadore@arundelford.com EPHONE_(207)-848-8226, (207) 985-6111, (207) 985-7171
	ICLE PARTS PROVIDER: Matthews Buses Commercial
	DRESS: 4802 W. Colonial Dr., Orlando, Fl. 32808
CON	TACT NAME: Jim Marshall TELEPHONE: 800-330-1175 X409
B.	VEHICLE BODY & COMPONENT
VEH	ICLE LOCATION: ALL Locations on contract
WAI	RRANTY AND SERVICE FACILITY_Advanced Modifications, W.C. Cressey and Son.
	DRESS_1766 Hammond St., Hermon. ME 04401, 2 Commerce Dr. Kennebunk, ME 04043 litional attachment with location and repair / service agreement hed)
brian	TACT NAME Gina Bennett - gina@advancedmodifications.com, Brian Cressey - cressey@wccresscy.com, Peter Madore - prendore@arundelford.com EPHONE_(207)-848-8226, (207) 985-6111, (207) 985-7171
State	of Maine RFQ ₹17A - insert number assigned Advantage System 55

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VEHICLE PARTS PROVIDER: Matthews Buses Commercial
ADDRESS: 4802 W. Celonial Dr., Orlande, FL 32808 CONTACT NAME: Jim Marshall TELEPHONE: 800-330-1175 X409
TOLDETTONIO, 000 555-1115 Zelos
C. VEHICLE AIR CONDITION
VEHICLE LOCATION: ALL locations on contract
WARRANTY AND SERVICE FACILITY Advanced Modifications, W.C. Crassey and S
ADDRESS 1766 Hammond St., Hermon, ME 04401, 2 Commerce Dr. Kennebunk, ME 0
CONTACT NAME Gina Bennett - gina@advancecmodifications.com, Brian Cressey - briancressey@weeressey.com TBLEPHONE (207)-848-8226, (207) 985-61
VEHICLE PARTS PROVIDER: Matthews Buses Commercial
ADDRESS: 4802 W. Colonial Dr., Orlando, FL 32808 CONTACT NAME: Jim Marshall TELEPHONE: 800-330-1175 X409
D. VEHICLE WHEEL CHAIR LIFT OR RAMP VEHICLE LOCATION: ALL locations on contract
WARRANTY AND SERVICE FACILITY_Advanced Modifications, W.C. Cressey and S
ADDRESS 1766 Hammond St., Hermon, ME 04401, 2 Commerce Dr. Kennebunk, ME 0
CONTACT NAME _Gina Bennett - gina@advancccimodifications.com, Brian Cressey - briancresscy@wccressey.comTELEPHONE(207)-848-8226, (207) 985-61
VEHICLE PARTS PROVIDER:Matthews Buses Commercial
ADDRESS: 4802 W. Colonial Dr., Orlando, FL 32808 CONTACT NAME: 1im Marshall TELEPHONE: 800-330-1175 X409
E. VEHICLE CAMERA SYSTEM
VEHICLE LOCATION: ALL locations on contract
WARRANTY AND SERVICE FACILITY_Advanced Modifications, W.C. Cressey and S

ADDRESS 1766 Hammond St., Hermon, ME 04401, 2 Commerce Dr. Kennebunk, ME 0404
CONTACT NAME Gina Bennett - gina@advancedmodifications.com, Brian Cressey -
<u>briancressey@wccressey.com</u> TELEPHONE(207)-848-8226, (207) 985-6111
VEHICLE PARTS PROVIDER: Matthews Buses Commercial
ADDRESS: 4802 W. Colonial Dr., Orlando, FL 32808
CONTACT NAME; Jim Marshall TELEPHONE: 800-330-1175 X409
F. VEHICLE SIGNAGE
VEHICLB LOCATION: ALL locations on contract
WARRANTY AND SERVICE FACILITY_Advanced Modifications, W.C. Cressey and Son
ADDRESS 1766 Hammond St., Hermon, ME 04401, 2 Commerce Dr. Kennebunk, ME 0404
CONTACT NAME_Gina Bennett - gina@advancedmodifications.com, Brian Cressey - briancressey@wccressey.com TRLEPHONE_(207)-848-8226, (207) 985-6111
VEHICLE PARTS PROVIDER: Matthews Buses Commercial
ADDRESS: 4802 W. Colonial Dr., Orlando, FL 32808
CONTACT NAME: _lim MarshallTELEPHONE: _800-330-1175 X409 G. VEHICLE ENGINE
G. VEHICLE ENGINE
VEHICLE LOCATION: ALL locations on contract
WARRANTY AND SERVICE FACILITY <u>Advanced Modifications</u> , W.C. Cressey and Son, Arundel Ford
ADDRESS 1766 Hammond St., Hermon, ME 04401, 2 Commerce Dr. Kennebunk, ME 0404 1561 Portland Rd., U.S. Route 1, Arundel, ME 04046
CONTACT NAME Gina Bennett - gina@advancedmodifications.com, Brian Cressey - briancressey@wccressey.com TELEPHONE (207)-848-8226, (207) 985-6111
VEHICLE PARTS PROVIDER: Matthews Buses Commercial
ADDRESS: 4802 W. Colonial Dr., Orlando, FL 32808
CONTACT NAME: Jim Marshall TELEPHONE: 800-330-1175 X409
H. VEHICLE TRANSMISSION
VEHICLE LOCATION: ALL locations on contract
WARRANTY AND SERVICE FACILITY <u>Advanced Modifications</u> , W.C. Cressey and Son, Arundel Ford
State of Maine RFQ #17A - insert number assigned Advantage System

ADDRESS_1766 Hammond St., Hermon, ME 04401, 2 Commerce Dr. Kennebunk, ME 04043, 1561 Parsland Rd., U.S. Route 1, Arundel, ME, 04046

CONTACT NAME_Gina Bennett - gina@advancedmodifications.com, Brian Cressey - briancressey@wccressey.com TELEPHONE_(207)-848-8226, (207) 985-6111

VEHICLE PARTS PROVIDER: Matthews Buses Commercial

ADDRESS: 4802 W. Colonial Dr., Orlando, FL 32808

CONTACT NAME: Jim Marshall TELEPHONE: 800-330-1175 X409

___September 19, 2018

Dated

Signature

Douglas K. Gifford

Print Name

Mathew Bus Allowe, Inc

Company Name

2.4 APPLICABLE REGULATIONS: SAFETY, EXHAUST & NOISE STANDARDS

Vehicles must meet all appropriate State and Federal Motor Vehicle Safety Standards, including standards for impact, rollover, brakes, windshield, windows and lights. FMVSS

Vehicles must meet Federal noise and exhaust emission standards.

Vehicle must meet Federal accessibility specifications as published in the Americans with Disabilities Act (ADA) and 49 CFR Parts 27.37 and 38 as they apply to this purchase.

Please certify that vehicle being bid meets all Federal and State Safety Standards, Federal Noise & Exhaust/Emissions Standards, ADA regulations, ALL according to regulations cited above.

9/5/2018	Mark Barczak
Date	Printed Name of Person Bidding
	Mark Barojak
	Signature
	Government Bid Administrator
	Title

2.5 <u>DISADVANTAGED BUSINESS/WOMEN OWNED BUSINESS ENTERPRISE</u> GOALS

The undersigned hereby certifies that its Disadvantaged Business Enterprise/Women Owned Business Enterprise Goals have not been disapproved by the U.S. Department of Transportation Federal Transit Administration pursuant to 49 CFR, Part 26.49.

Date

Mark Barczak
Printed Name of Person Bidding

Mark Barczak
Printed Name of Person Bidding

Mark Barczak
Authorized Signature

Government Bid Administrator

Title

TRANSIT VEHICLE MANUFACTURERS (TVM)

Certification of Compliance with Disadvantaged Business Regulations

This procurement is subject to the provisions of 49 CFR Section 26.49. Accordingly, the following certification must be completed and submitted with the bid, as a condition of bidding. A bid which does not include the certification will not be considered.

TVM Certification

The bidder 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/WBE goal to the Federal Transit Administration (FTA). The goal has either been approved or not disapproved by FTA.

The bidder, if a non-manufacturer 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.

Mark Barczak
Printed Name of Person Bidding

5/5/2018

Date

Mark Barczak
Printed Name of Person Bidding

Mark Baropak
Signature

Government Bid Administrator
Title

2.6 BUY AMERICA:

The successful bidder agrees to comply with 49 U.S.C. 5323(j) and 49 C.F.R. Part 661, which provide that Federal funds may not be obligated unless steel, iron, and manufactured products used in FTA-funded projects are produced in the United States, unless a waiver has been granted by FTA or the product is subject to a general waiver. General waivers are listed in 49 C.F.R. 661.7. Separate requirements for rolling stock are set out at 49 U.S.C. 5323(j)(2)(C) and 49 C.F.R. 661.11.

Rolling stock must be assembled in the United States and have a 60 percent domestic content. Certification requirement for procurement of buses, other rolling stock and associated equipment:

Certificate of Compliance with 49 U.S.C. 5323(j)(2)(C).

The bidder or offeror hereby certifies that it will comply with the requirements of 49 U.S.C. 5323(j)(2)(C) and the regulations at 49 C.F.R. Part 661.11.

Signature	Mark Baroph
Company Name	Startrans Bus Division of Forest River Inc.
	ment Bid Administrator
Certificate of Non	i-Compliance with 49 U.S.C. 5323(j)(2)(C)
The bidder or offe	from horoby certifies that it cannot comply with the requirements of 49 U.S
	49 C.F.R. 661.11, but may qualify for an exception pursuant to 49 U.S.C
	23(j)(2)(B), or 5323(j)(2)(D), and 49 C.F.R. 661.7.
Date	
Signature	
Company Name	

BUS TESTING PROVISION

The Bidder and Manufacturer agree to comply with 49 U.S.C. A 5323(c) and FTA's regulation at 49 CFR Part 665 and shall perform the following:

- 1) A manufacturer of a new bus model or a bus produced with a major change in components or configuration shall provide a copy of the final test report to the recipient at a point in the procurement process specified by the recipient which will be prior to the recipient's final acceptance of the first vehicle.
- 2) A manufacturer who releases a report under paragraph 1 above shall provide notice to the operator of the testing facility that the report is available to the public.
- 3) If the manufacturer represents that the vehicle was previously tested, the vehicle being sold should have the identical configuration and major components as the vehicle in the test report, which must be provided to the recipient prior to recipient's final acceptance of the first vehicle. If the configuration or components are not identical, the manufacturer shall provide a description of the change and the manufacturer's basis for concluding that it is not a major change requiring additional testing.
- 4) If the manufacturer represents that the vehicle is "grandfathered" (has been used in mass transit service in the United States before October 1, 1988, and is currently being produced without a major change in configuration or components), the manufacturer shall provide the name and address of the recipient of such a vehicle and the details of that vehicle's configuration and major components.

CERTIFICATION OF COMPLIANCE WITH FTA'S BUS TESTING REQUIREMENTS

The undersigned [Bidder/Manufacturer] certifies that the vehicle offered in this procurement complies with 49 U.S.C. A 5323(c) and FTA's implementing regulation at 49 CFR Part 665. The undersigned understands that misrepresenting the testing status of a vehicle acquired with Federal financial assistance may subject the undersigned to civil penalties as outlined in the Department of Transportation's regulation on Program Fraud Civil Remedies, 49 CFR Part 31, Inaddition, the undersigned understands that FTA may suspend or debar a manufacturer under the procedures in 49 CFR Part 29.

Date: 8/13/2018

Signature:

Mark Barosak Company Name: Startrans Bus Division of Forest River Inc.

Government Bid Administrator

BIDDERS MUST INCLUDE THE ALTOONA TEST REPORT WITH THEIR BID FOR VEHICLE BEING PROPOSED.

2.8 SPECIFICATION COMPLIANCE

The bidder hereby certifies that the vehicle(s) being bid in response to this invitation meet or exceed these specifications and that where a deviation from the specifications exists, the bidder has obtained written approval of those exceptions, in accordance with paragraph (1.13 (d), prior to submitting this bid.

If a conflict exists between these specifications and Federal and/or State laws, the Federal and/or State laws shall prevail and the bidder must alert the purchaser to any such conflicts.

_September 19, 2018	Douglas Gifford
Date	Printed Name of Person Bidding
	Signature 1. Signature
	Commercial Sales Manager
	Title

2.9 LOBBYING:

Byrd Anti-Lobbying Amendment, 31 U.S.C. 1352, as amended by the Lobbying Disclosure Act of 1995, P.L. 104-65 [to be codified at 2 U.S.C. § 1601, et seq.] - Bidders who apply or bid for an award of \$100,000 or more shall file the certification required by 49 CFR part 20, "New Restrictions on Lobbying." Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose the name of any registrant under the Lobbying Disclosure Act of 1995 who has made lobbying contacts on its behalf with non-Federal funds with respect to that Federal contract, grant or award covered by 31 U.S.C. 1352. Such disclosures are forwarded from tier to tier up to the recipient. APPENDIX A, 49 CFR PART 20--CERTIFICATION REGARDING LOBBYING Certification for Contracts, Grants, Loans, and Cooperative Agreements (To be submitted with each bid or offer exceeding \$100,000)

The undersigned [Bidder] 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 influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract,

grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in

Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form--LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions [as amended by "Government wide Guidance for New Restrictions on Lobbying," 61 Ped. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, et seq.)]

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose

accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the 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. [Note: Pursuant to 31 U.S.C. § 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure.]

BP 54 - AGREEMENT TO PURCHASE SERVICES

The Bidder, Matthews Bus Alliance, Inc., certifies or affirms the truthfulness and accuracy of
each statement of its certification and disclosure, if any. In addition, the Bidder understands and
grees that the provisions of 31 U.S.C. A 3801, et seq., apply to this certification and disclosure,
facy.

Douglas K. Gifford

Signature of Bidder's Authorized Official Name and Title of Bidder's Authorized Official

September 19, 2018

2.10 RECYCLED PRODUCTS:

(42 U.S.C. 6962; 40 CFR Pzrt247; Executive Order 12873) The successful bidder agrees to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended (42 U.S.C. 6962), including but not limited to the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 CFP.Part247.

Signati	in Iler Re Liffe
Title_	Commercial Sales Manager
Compa	ny NameMatthews Bus Alliance, Inc
Date	September 19, 2018

RIDER D <u>IDENTIFICATION OF COUNTRY</u> IN WHICH CONTRACTED WORK WILL BE PERFORMED

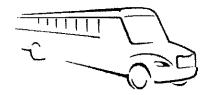
Please identify the country in which the services purchased through this contract will be performed:

\boxtimes	United States.	Please identify state:	<u>IN</u>
	Other. Please	identify country:	_

Notification of Changes to the Information

The Provider agrees to notify the Division of Procurement Services of any changes to the information provided above.





New England Regional Offices PO Box 1069 in Tolland, CT 06084 & PO Box 841 in Greenville, RI 02828

September 18, 2018

State of Maine
Department of Administrative and Financial Services
Bureau of Business Management
Division of Procurement Services

RE: RFQ #17A18062900000000000691 Technical Proposal

Proposed buses by Startrans Bus Corporation A division of Forest River Inc. and part of Berkshire Hathaway Company.

Please acknowledge that there are documents within this submission that state Starcraft as the manufacturer. This is due to the fact that the Startrans product is manufactured alongside the Starcraft bus and is therefore referenced under the same Altoona test, uses the same engineering department, and offer some paralleling models. The differentiating factor is that the Startrans is a higher caliber bus utilizing an integrally welded corrosion resistant aluminized steel structure, pressure laminated exterior panels in lieu of bonded, and has enhanced fit and finish.

The Startrans Buses proposed also have the advantage of a completely composite exterior that is impervious to corrosion. This is paramount due to the high levels of salt and calcium chloride pre-treatment used during winter storms.

- Literature is enclosed.
- Proposed build specifications are enclosed.
- Floorplan and weight analysis are enclosed.
- Body specification and construction prints are enclosed.
- Bus body exterior skin literature and specifications are enclosed.
- Door specifications are enclosed.
- Air conditioning specifications are enclosed.
- USR seatbelt specifications are enclosed.
- Undercoating specifications are enclosed.

RE: RFQ #17A18062900000000000691 Technical Proposal

- Sample electrical schematics are enclosed (as-built supplied with each bus).
- FMVSS, ISO, TVM, and QVM certifications are enclosed.
- FMVSS 220 certification is enclosed.
- Quality assurance documentation is enclosed.
- Altoona test summary information is enclosed (full tests available on Altoona website).
- Service and warranty commitment letters are enclosed.
- Maintenance recommendations schedule is enclosed.
- Additional options submission is enclosed.
- Warranty processing procedure is enclosed.
- References are enclosed.

If any questions should arise relative to this bid submission, please contact me at the regional office.

Sincerely,

Douglas K. Gifford

Commercial Sales Manager

800-330-1175 X-419

dgifford@matthewsbusescommercial.com

A Division of: Matthews Bus Alliance, Inc. 4802 West Colonial Drive Orlando, FL 32808

► The Senator II





As a leader in the medium-duty transit bus industry, the Senator II is backed by StarTrans' commitment to excellence. That's why design, durability and attention to detail are at the forefront of how we do business.

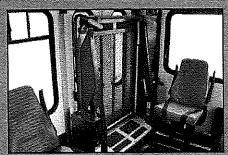
Design. When it comes to design, the Senator II delivers. Engineered to accommodate a variety of seating arrangements, including wheelchair accessibility and various storage options in luggage, the Senator II gives you the versatility you need to meet your passengers' needs.

Durability. All of our products undergo a series of rugged testing procedures in Altoona, Pennsylvania, to ensure their structural integrity and we back our buses with a 5-year/75,000 mile body structural warranty.

Detail. StarTrans Bus doesn't take a backseat when it comes to passenger convenience and comfort. Wide aisles and doors for easy accessibility, spacious luggage racks, large windows and straight side wall construction to maximize passenger shoulder space are just some of the benefits of the Senator II.

If you need buses that perform well, look great and deliver on promises, look to the Senator II from StarTrans Bus.

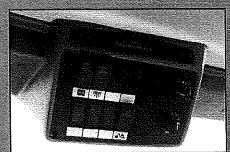
➤ Senator II Features | Features to Meet Your Specific Needs



Optional ADA wheelchair lift mounted in the rear of the bus



Optional high-back seats, uphoistery, padded cloth walls and ceiling, and overhead luggage racks



Driver's switch panel conveniently located within view of the road and not on the engine cover



► The Senator II



► Standard Exterior Feature Highlights

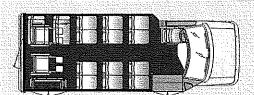
- Fully welded aluminized steel cage construction with laminated sidewall structure meeting all applicable FMVSS requirements
- "Starview" drivers visibility window in front of entry door
- Electric actuated passenger entry door with full length glass
- 36" wide x 36" high upper double T-Slider tempered safety glass windows with climate control tint
- Black powder coated steel rear bumper
- Rear mud flaps
- Pre-painted white galvanized steel sidewalls and skirts
- Fiberglass front and rear caps
- One-piece seamless FRP (fiberglass reinforced plastic) roof
- Breakaway rearview mirrors with built-in convex
- Sealed LED stop, tail, and turn signal lights with reverse lights
- Exterior LED front and rear marker lights

Standard Interior Feature Highlights

- 93" interior width
- 80" interior floor to ceiling height with standard floor (raised floor is 75")
- Floor and wall seat track for flexible seating
- Black slip resistant floor covering
- 5/8" exterior grade plywood flooring
- Ceiling and rear wall fabric for sound abatement
- White step nosing at passenger door
- 1.25" left hand vertical passenger assist rail at entry door
- Printed circuit board with automotive type fuses and LED trouble shooting lights
- LED Entry door step well lights
- LED driver and passenger area lighting
- Non-retractable seat belts

► Popular Option Highlights

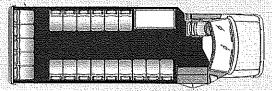
- Stainless steel wheel inserts
- Luggage storage areas (overhead luggage racks with reading lights, interior luggage racks, rear storage area)
- Rear emergency door with window(s)
- Passenger area rear heat and air conditioning
- Complete rubber flooring
- Passenger grab rails
- Padded vinyl or FRP walls and ceiling
- Audio and video systems
- Mid back or high back seating
- ADA and FMVSS compliant wheel chair lifts and securement systems
- Fiberglass side walls and skirts



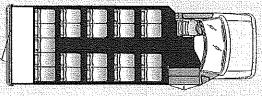
12 Passenger 2 Wheelchair 4 Passenger Foldaway Seats Plus Driver



16 Passenger 2 Wheelchalr 4 Passenger Foldaway Seats Plus Driver



20 Passenger with Interior Luggage Plus Driver



21 Passenger with Rear Luggage Plus Driver



25 Passenger Plus Driver





Due to our commitment to product quality, specifications and options are subject to change without notice in the interest of product improvement and market changes.

StarTrans Bus, a division of Forest River, Inc., is owned by Berkshire Hathaway, one of the most respected and financially secure companies in the industry.



Scan this barcode using a QR Reader on your smart phone to learn more about Forest River.



© 2015 StarTrans Bus, a Division of Forest River, Inc., a Berkshire Hathaway company. All Rights Reserved. 2367 Century Drive • Goshen, IN 46528 • Lit. No. STB-01/041515-1.800.348.7440 • Fax: 574,642.3301

NGL1000-2 Century Series

1,000 lb
Lifting Capacity
Larger Platform
Now Available in 37"Width



Life is a Moving Experience®

NCL1000-2 Century Series

NCL10001B3351-2 (33" wide x 51" long platform)

NCL1000IB3451-2 (34" wide x 51" long platform)

NCL1000IB3451HB-2 (34"wide x 51" long platform - with handrail belt)

NCL 1000 B3454-2 (34" wide x 54" long platform)

NCL1000IB3454HB-2 (34° wide x 54° long platform - with handrall belt)

NCL1000IB3751HB-2 (37" wide x 51" long platform - with handrail belt)

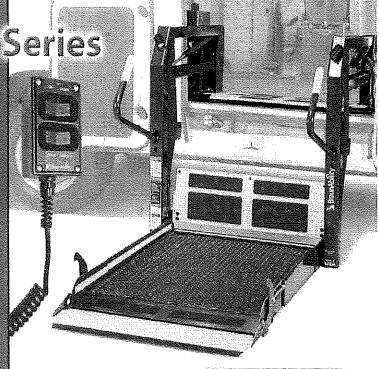
NCL1000IB3754HB-2 (37" wide x 54" long platform - with handrail belt)

Rear pump models listed - all models also available in front pump configuration

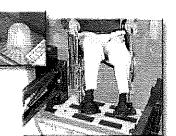
- 1,000 lb lifting capacity
- Fully automatic FMVSS 403 compliant lift, operated by an attendant
- · Loading position either direction
- Interfaces with OEM interlocks
- Long lasting LED lift mounted lights that are active when vehicle interlocks are engaged and lift power switch is on
- · Hand-held control box with illuminated functions
- Locking mechanical Inboard Barrier (IB), powder coated yellow for safety and high visibility, prevents operation if occupied
- Pump design prevents platform folding when occupied, quiet operation & low current draw
- Durable redesigned baseplate reduces lift weight and allows for quicker and easier service of hose/wiring
- Easily installed, step-by-step installation instructions, no peripheral hardware required
- Platform movement prevented during unsafe operation
- Gas spring activated outer barrier detects roll stop occupancy as the platform leaves the ground, complete with durable rubber nose guard
- Transition areas marked with durable high-gloss yellow powder coating for safety & visibility
- Side or real door application.
- · Dual handrails for security and convenience
- Bridging feature permits the wheelchair user to board the lift from sidewalks or inclines
- Floor to around travel is 48"
- Integrated back-up pump.
- Equipped with an adjustable anti-rattle feature to avoid unpleasant noise in the vehicle during transit
- Durable high-gloss powder coated finish
- 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



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. © 2017 BraunAbility 400636



Integrated dual handrails provide added security for wheelchair users and standees



Visual and audible warnings alert both passengers and attendants to unsafe conditions

Gas spring activated outer barrier detects roll stop occupancy as the platform leaves the ground

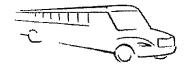




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STATE OF MAINE DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES DIVISION OF PROCUREMENT SERVICES

9/20/2018 Quote #DC 92018-01

PROPOSED VEHICLE: STARTRANS SENATOR SIL BUS WITH THE STANDARD EQUIPMENT AND OPTIONS LISTED BELOW

Composite Exterior
Pressure Laminated Sidewalls
White / Light Gray FRP Interior
Gerfloor Transit Grade Flooring
Door Activated Stepwell Lighting
Sound Abating Fabric Headliner
Curbside Modesty Panel Barrier
High Back Recliner Drivers Seat

FMVSS Certified Integrally Welded Steel Bus Body Structure
Ventable 36" X 36" Transit T-Slide Windows
93" interior width, 80" interior height (75" with Raised Floor)
5/8" Marine Tech Grade Plywood Flooring with sealed edges
Infinite Track Seating to allow Seat Spacing Modifications
Printed Circuit Board LED Light Modular Electrical System
Dash Mounted Electrical Panel w/ Backlit Transit Grade Switches
LED Tail Lights, Center Brake Light, F&R Overhead Clearance Lights

Aluminized Steel Cage Structure
One Piece Seamless FRP Roof Panel
Undercoated and sealed subfloor
Insulated Roof and Exterior walls
11" Ground to First Step Height
9" Risers, 11" Deep Step Treads
Chrome Front Bumper and Grille
Dash HVAC / AC & Heating System

THE PROPOSED VEHICLE OFFERS A CAPACITY OF 12 PASSENGER PLUS 2 WHEELCHAIR SEATS PLUS THE DRIVER

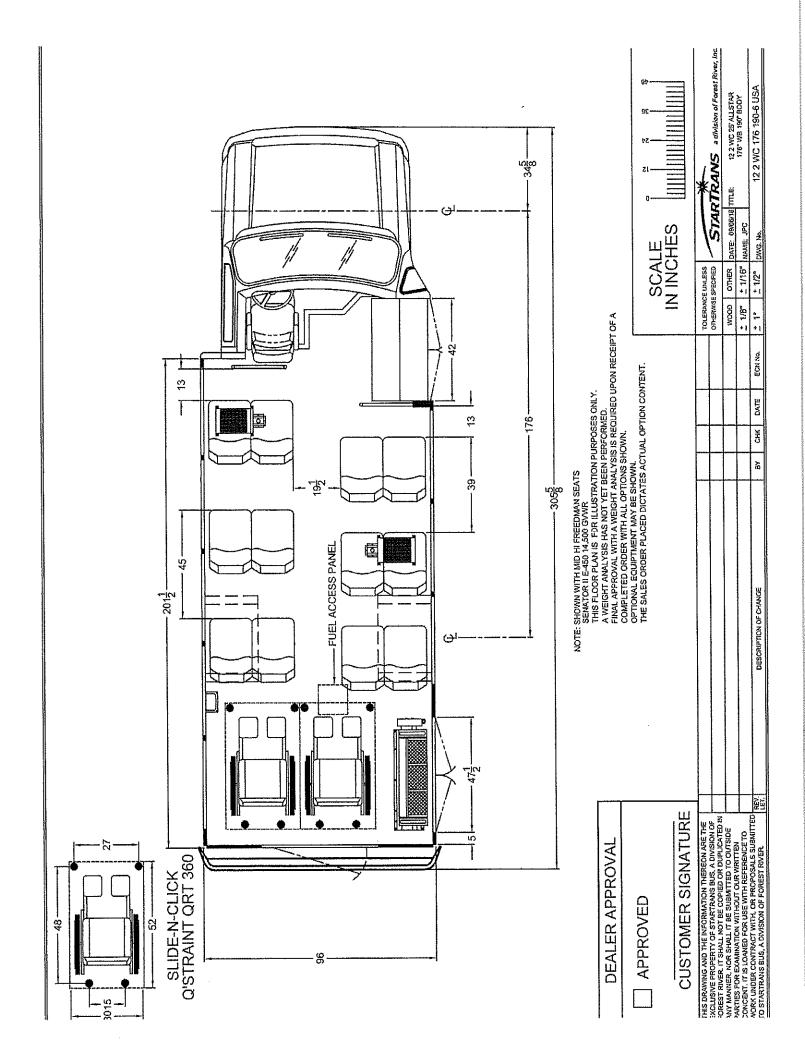
QTY		DESCRIPTION
1	Ford E-450 Chassis	Ford E-450 / 14,500 GVWR Chassis, 6.8L Gasoline Engine, 6 Speed Automatic Transmission, 225 Ampere Alternator, Dual Batteries, Dash HVAC, Chrome Bumper, F&R Disc Brakes, Halogen Headlights.
1	Senator SII 25	Startrans Senator SII Bus with Standard Equipment listed above / 305" Overall Length
1	INTEGRALLY WELDED	ALUMINIZED STEEL CAGE STRUCTURE MEETING ALL APPLICABLE FMVSS REGULATIONS
1	7 YEAR / 200,000 MILE A	LTOONA TESTED, FORD QVM COMPLIANT, ISO CERTIFIED, BUY AMERICA COMPLIANT
1	RE-ROUTE EXHAUST TO	D DRIVERS SIDE OF BUS EXITING FORWARD OF THE REAR BUMPER
1	EXHAUST HEAT SHIELD	AT THE FUEL TANK METAL
1		RY 30" AND 10" FROM THE TIP
1	HEAVY DUTY ANTI-SLIP	ALUMINUM RUNNING BOARD ON DRIVER SIDE (LARGE)
2	900 CCA GLASS MAT BA	ATTERIES
1	ENGINE HIGH IDLER / R	AISES ENGINE IDLE TO 1500 RPM FOR PROPER ALTERNATOR AND AC PERFORMANCE
2	STONE GUARD BOTH \$	IDES, DIAMOND PLATE
2	FULL LENGTH RAIN GU	ITER, STD ABOVE WINDOWS
1	ENTRANCE DOOR ACC	ESS PANEL
11	FRONT RUBBER MUD F	LAP (1), PASSENGER SIDE ONLY (TO BE USED WITH RUNNING BOARD)
1	DUAL COOLANT SHUT (
1	STAINLESS STEEL BAT	TERY BOX FOR AUXILIARY BATTERIES / SKIRT MOUNTED / WITH STAINLESS STEEL SLIDING TRAY
2	BOLTED DRIVESHAFT G	SUARDS / NOT WELDED
1	SPARE TIRE AND WHEE	L MATCHING OEM TIRES AND WHEELS / SHIPPED LOOSE IN BUS
1	ROTARY BATTERY DISC	CONNECT SWITCH
1	CIRCUIT BREAKERS IN	LIEU OF FUSES
1	LAMINATED WIRING SC	HEMATIC ***AS BUILT*** ON ELECTRICAL PANEL DOOR
1	ROMEO RIM REAR BUM	PER / SHOCK ABSORBING BUMPER CONSTRUCTED OF BLACK RUBBER
1	MOR RYDE RL SUSPEN	SION SYSTEM / REAR OF BUS
1		BODY BUILD, DOCUMENTATION WITH THE BUS
1	ROSCO TRANSIT GRAD	E HEATED AND REMOTE REARVIEW EXTERIOR MIRRORS WITH INTEGRAL LOWER CONVEX, FORD
1	INTERIOR REARVIEW M	IIRROR / 7" X 10" CONVEX MIRROR MOUNTED OVER DRIVER
1	UPGRADE TO 5/8" MARI	NE TECH GRADE PLYWOOD SUBFLOORING WITH SEALED EDGES

1	STANDEE LINE / YELLOW FLUSH MOUNTED LINE AT FORWARD EDGE OF PASSENGER COMPARTMENT
1	GERFLOOR SIRIUS TRANSIT FLOORING / GRAPHITE BLACK WITH HOT WELDED SEAMS / SMOOTH THROUGHOUT
<u>'</u> 1	COVE BLACK FLOORING ON SIDEWALL TO SEAT TRACK
3	
	YELLOW STEP NOSING (EACH STEP) HEADLINER / GRAY SEA SPRAY CLOTH WITH GRAY FRP WALLS, GRAY VINYL TRIM, AND GRAY VINYL CABLINER
1	
1	FRP REAR WALL WITH GRAY VINYL TRIM / GRAY SEA SPRAY FABRIC HEADLINER AND GRAY VINYL CABLINER
1	FUEL TANK ACCESS PLATE IN FLOOR
1	ELECTRICALLY CONTROLLED PASSENGER ENTRANCE DOOR / 40" WIDE CLEAR OPENING X 80" HIGH
1	REAR DOOR WITH UPPER AND LOWER WINDOWS, LH HINGE, STAINLESS STEEL AND FILON EXTERIOR PANEL
	DOOR AJAR WARNING ON REAR DOOR - BUZZER AND LIGHT IN DRIVER AREA
1	GAS CYLINDER ON REAR DOOR
1	TWIN REAR WINDOWS EACH SIDE OF REAR DOOR OR REAR WALL WINDOW
1	HEATER / 65,000 BTU CAPACITY HEATER IN PASSENGER COMPARTMENT / FLOOR MOUNT
11	ACT 60K BTU / CR-2, EZ-5, DEDICATED COMPRESSOR
2	HEATER / ENTRANCE STEPWELL HEATER / PER STEP / ELECTRIC TYPE
11	SAFETY INTERLOCK FOR WHEELCHAIR LIFT / RESTRICTS VEHICLE MOVEMENT WHEN LIFT IS DEPLOYED
1	INTERMOTIVE WHEELCHAIR SAFETY INTERLOCK AND ENGINE IDLER / PROHIBITS VEHICLE MOTION FOR LIFT OPERATION
1	WHEELCHAIR ACCESS DOOR / DUAL PANEL WITH WINDOWS, AJAR BUZZER, AND ADDITIONAL CURBSIDE LEAF SPRING
1	BRAUN CENTURY NCL 1000 3454HB-2 1000# LIFT (34" X 54")
1	BRAUN LIFT PLATFORM SAFETY BELT TRANSVERSING YELLOW PLATFORM HANDRAILS
2	Q'STRAINT QRT 360 SYSTEM WITH SLIDE-N-CLICK ATTACHMENT / Q-8-6326-A1-SC WITH RETRACTABLE SHOULDER BELT
1	47.5" DOUBLE WC DOORS WITH STAINLESS STEEL FRAME & FILON EXTERIOR PANEL, INCLUDES WINDOWS, LEAF SPRING, INTERIOR AND EXTERIOR LIGHTS
1	Q'STRAINT BELT CUTTER (SHIP LOOSE)
1	OEM HIGH BACK RECLINER / LUMBAR SUPPORT AND RIGHT SIDE ARMREST
1	DRIVERS SIX WAY POWER SEAT BASE / UP, DOWN, FORE, AFT, AND CUSHION TILT
6	MID BACK DOUBLE PASSENGER SEAT / FREEDMAN SEATING / TWO PASSENGER SEAT
12	SEATBELTS / USR AMSAFE / UNDER SEAT RETRACTABLE PASSENGER SEATBELTS
12	SEATBELT EXTENSIONS FOR PASSENGER SEATBELTS / 12" LONG / EACH
6	GRAB HANDLE / MOLDED RUBBER SEAT TOP GRAB HANDLE AT EACH AISLE POSITION
12	SEAT COVER - LEVEL 4 ICE PINSTRIPE, MOR-CARE, LEATHERMATE
2	TDSS MOUNTED IN SEAT TRACK ADJACENT TO WHEELCHAIR POSITIONS
1	OEM RADIO WITH 4 SPEAKERS IN PASSENGER COMPARTMENT
1	DRIVER STORAGE IN CAB OVERHEAD WITH KEY LOCK
1	DRIVERS MODESTY PANEL SECURED TO STAINLESS STEEL STANCHION POLES
<u>1</u> 1	DRIVERS MODESTY PANEL SECURED TO STAINLESS STEEL STANCHION POLES PLEXIGLASS PANEL ABOVE DRIVERS MODESTY PANEL / CLEAR / INCLUDES CUT-OUT FOR HAND HOLD
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1 1 1 1 1 1 1 1 1 1 1 1 1 2	PLEXIGLASS PANEL ABOVE DRIVERS MODESTY PANEL / CLEAR / INCLUDES CUT-OUT FOR HAND HOLD INTERIOR HANDLES ON WHEELCHAIR DOOR AND REAR DOOR - RED SAFETY EQUIPMENT / BACKUP ALARM, 16 UNIT FIRST AID KIT, 5# FIRE EXTINGUISHER, AND TRIANGLE REFLECTORS BODY FLUID KIT, FIRE BLANKET, CHOCK BLOCKS ALARM / ROSCO BSSK-1000 SONAR SYSTEM / ALERTS DRIVER OF OBJECTS BEHIND VEHICLE BACKUP CAMERA SYSTEM WITH DASH MOUNTED LCD MONITOR / ALLOWS VIEW TO REAR OF VEHICLE GRABRAILS / DUAL ANGLED STAINLESS STEEL GRABRAILS BOTH SIDES OF ENTRY STEPWELL GRABRAILS / DUAL CEILING MOUNTED STAINLESS STEEL GRABRAILS BOTH SIDES OF AISLE RED LED LIGHT OVER ALL EMERGENCY EXITS COMPOSITE EXTERIOR SKIN / HIGH GLOSS COMPOSITE SHEET / CORROSION PROOF STAINLESS STEEL ENTRY STEP ASSEMBLY - INCLUDES SIDES AND HEADER LIGHTING CONTROL / INTERIOR LIGHTS TO ILLUMINATE WHEN ENTRANCE DOOR OPENS 4" ROUND LED ENTRY DOOR EXTERIOR LIGHT, 2 WC, 1 ENTRY LED INTERIOR LIGHTS / BROAD SPECTRUM LED LIGHTING WITH DRIVER MASTER CONTROL
1 1 1 1 1 1 1 1 1 1 1 2 1	PLEXIGLASS PANEL ABOVE DRIVERS MODESTY PANEL / CLEAR / INCLUDES CUT-OUT FOR HAND HOLD INTERIOR HANDLES ON WHEELCHAIR DOOR AND REAR DOOR - RED SAFETY EQUIPMENT / BACKUP ALARM, 16 UNIT FIRST AID KIT, 5# FIRE EXTINGUISHER, AND TRIANGLE REFLECTORS BODY FLUID KIT, FIRE BLANKET, CHOCK BLOCKS ALARM / ROSCO BSSK-1000 SONAR SYSTEM / ALERTS DRIVER OF OBJECTS BEHIND VEHICLE BACKUP CAMERA SYSTEM WITH DASH MOUNTED LCD MONITOR / ALLOWS VIEW TO REAR OF VEHICLE GRABRAILS / DUAL ANGLED STAINLESS STEEL GRABRAILS BOTH SIDES OF ENTRY STEPWELL GRABRAILS / DUAL CEILING MOUNTED STAINLESS STEEL GRABRAILS BOTH SIDES OF AISLE RED LED LIGHT OVER ALL EMERGENCY EXITS COMPOSITE EXTERIOR SKIN / HIGH GLOSS COMPOSITE SHEET / CORROSION PROOF STAINLESS STEEL ENTRY STEP ASSEMBLY - INCLUDES SIDES AND HEADER LIGHTING CONTROL / INTERIOR LIGHTS TO ILLUMINATE WHEN ENTRANCE DOOR OPENS 4" ROUND LED ENTRY DOOR EXTERIOR LIGHT, 2 WC, 1 ENTRY LED INTERIOR LIGHTS / BROAD SPECTRUM LED LIGHTING WITH DRIVER MASTER CONTROL LED DRIVER LIGHT / BROAD SPECTRUM LED LIGHT OVER DRIVER WITH DASH SWITCH AND DOOR ACTIVATION
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1 1 1 1 1 1 1 1 1 1 1 2 1 1	PLEXIGLASS PANEL ABOVE DRIVERS MODESTY PANEL / CLEAR / INCLUDES CUT-OUT FOR HAND HOLD INTERIOR HANDLES ON WHEELCHAIR DOOR AND REAR DOOR - RED SAFETY EQUIPMENT / BACKUP ALARM, 16 UNIT FIRST AID KIT, 5# FIRE EXTINGUISHER, AND TRIANGLE REFLECTORS BODY FLUID KIT, FIRE BLANKET, CHOCK BLOCKS ALARM / ROSCO BSSK-1000 SONAR SYSTEM / ALERTS DRIVER OF OBJECTS BEHIND VEHICLE BACKUP CAMERA SYSTEM WITH DASH MOUNTED LCD MONITOR / ALLOWS VIEW TO REAR OF VEHICLE GRABRAILS / DUAL ANGLED STAINLESS STEEL GRABRAILS BOTH SIDES OF ENTRY STEPWELL GRABRAILS / DUAL CEILING MOUNTED STAINLESS STEEL GRABRAILS BOTH SIDES OF AISLE RED LED LIGHT OVER ALL EMERGENCY EXITS COMPOSITE EXTERIOR SKIN / HIGH GLOSS COMPOSITE SHEET / CORROSION PROOF STAINLESS STEEL ENTRY STEP ASSEMBLY - INCLUDES SIDES AND HEADER LIGHTING CONTROL / INTERIOR LIGHTS TO ILLUMINATE WHEN ENTRANCE DOOR OPENS 4" ROUND LED ENTRY DOOR EXTERIOR LIGHT, 2 WC, 1 ENTRY LED INTERIOR LIGHTS / BROAD SPECTRUM LED LIGHTING WITH DRIVER MASTER CONTROL LED DRIVER LIGHT / BROAD SPECTRUM LED LIGHT OVER DRIVER WITH DASH SWITCH AND DOOR ACTIVATION LED STEPWELL LIGHT ACTIVATED BY DOOR OPENING / LED LICENSE PLATE LIGHT

1	LED MID BODY MOUNTED MARKER AND TURN SIGNALS WITH ARMOR GUARD
1	LIGHT - EXTERIOR HOODED AND INTERIOR COURTESY LIGHT AT ENTRANCE DOOR (ADA REQUIRED)
1	FOUR WAY FLASHER SIGNALS FLASH WITH OPEN DOOR (WHEELCHAIR DOOR)
1	INDEPENDENT RED BRAKE AND AMBER TURN SIGNAL LIGHTS
2	ADDITIONAL INTERIOR LED DOME LAMP - EACH
1	BRIGHT WHITE EXTERIOR TO ENHANCE GRAPHICS CONTRAST (MATCHING CHASSIS CAB INCLUDING DOOR JAMBS)
1	ZIEBART RUSTPROOFING
1	ZINC COATING OF ALL STEEL STRUCTURAL MEMBERS
1	PRIORITY SEATING SIGN **REQUIRED FOR ADA COMPLIANCE**

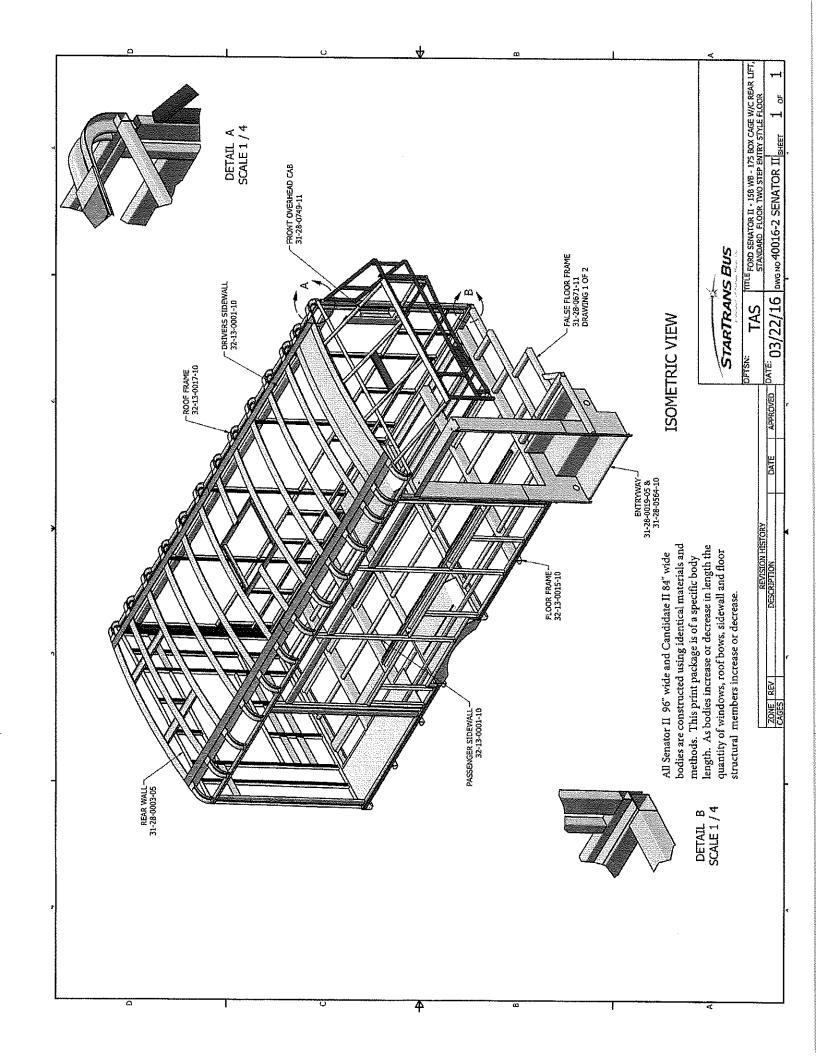
Quoted by Dean Capparelle / Commercial Sales / dcapparelle@matthewsbusescommercial.com
All factory concessions have been calculated into this proposal and may require endorsement at the time of delivery.

Thank You for this opportunity!!



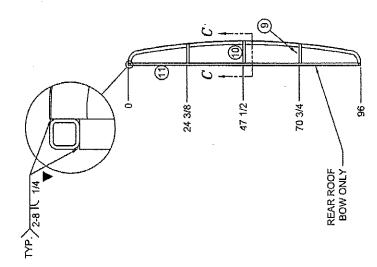
WEIGHT ANALYSIS 8/14/2018 12 2 WC 176 190-5 EST USA

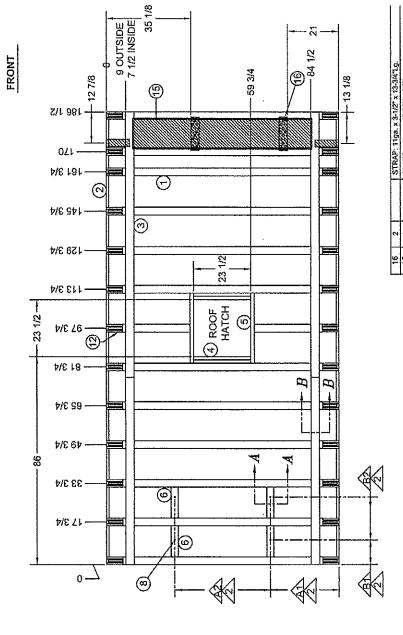
Γ	П	Т	T			T	7	7	7	7				T	Γ-	Γ	Τ	T	Γ		Ι	띰		Γ	 		-	Т	T	I	Т	7	7	T		Ţ	<u> </u>		T		***************************************													
										OB	08	90	90				MID DBL	MID OBL	JBC CIM		M/C	ROME RIM BUMPER														2250.20	30,00,00								Actual Weights from order 53932B									
			FUEL ADJ. AMT.	41.94	LIE L			1	REAR					<u> </u>	┶	1	┺.	1	371.14	-	259.09	000	000	<u> </u>	L.	000	L	1	1	1	_	000	_	4	0.00	4	-1-								ights from or							Capacity		
	R GAL.	eu.	\perp	7	מַנּ			(SIDE)	FRONT	-25.63	-15.94	-6.25	3,44	0.00	0.00	000	141 19	62.53	-16.14	800	-59.09	20.00	0.00	0.00	0.00	000	200	200	300	300	000	0.00	0.00	0.00	0.00	104.12	1,080								Actual We						- b =1	Maximum Capacity		
DATA (E) A	FUEL WGT PE	6.1	WGT OF FUEL	335.5	***************************************			RIGHT (CURBSIDE)	% REAR AXLE	53.41%	71.02%	88.64%	106.25%	0.00%	0.00%	0.00%	80.23%	82 34%	104 55%	0.00%	129.55%	0.00%	2.00.0	0.00%	0.00%	0000	0.00%	, 200	6.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%													i waxa		(S317.29	9600		a a
	FUEL CAP. FUEL WGT PER GAL.		FUEL AMT.	0.13	FUEL TANK CENTER	203	***************************************		WEIGHT (LBS.)	-55			-25				355	£ 2	946		33	8																Contract the same of	LEFT/RIGHT %S		0.514						Rear Curbside	4900	4377.18				3940.11	4800
	FUEL TYPE:	GAS							DISTANCE (IN.)	76	125	156	187				8	37	781	101	ĸ	300						A SAME OF THE PROPERTY OF THE PARTY OF THE P						李 德 《 第 4 章 1 年 4 章					LEFT/RIGHT TOTALS	2001-10	6227.78	12109.56	14500	2390.44				Maximum Capacity						Maximum Capacity
201 201 2 21 0	MODEL:	ALISTAR	/EIGHTS	LEFT FRONT RIGHT FRONT	1769	RIGHT REAR	3247		HEAR	34,09	-27.81	-38.13	48.13	-58 44	000	000	194 59	270.00	252 07	200	250 00	30.23	000	000	000	200	0.00	000	900	0.03	0.00	0.00	0.00	0.00	0:00	967.81	2803:00	2.0	HEAR 3050 11	3240.11	4377.18	8317.29	0096	1282.71										
7 1 11 2010	# LIND	53932B	AXLEW	LEFT FRONT	1717	LEFT REAR	2803		FRONT	115.91	-27.19	-16.88	88.8	3.44	2	900	00.00	143.41	0,00	000	50.03	-10.29	000	000	3 8	900	300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	247.19	1717.00		FRONT	1341.07	1850.60	3792.27		1207.73	3		es es					À		
	CHASSIS	E-450			3486		6050		% REAR AXLE		50.57%		87.50%	108.25%	100.00	0.00.0	0,00%	20.14%	,00.00°	0.000	100 5567	154 149%	0.00%	90000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	%00°0	0.00%				T C C	ורבו	RIGHT	FRT / REAR TOTALS	E CAPACITIES	I ABLE CAPACITIES			Front Curbside	2500	1850.60			Maximum Capacity	1941,67	2500
0.000 mg	RIPTION:	FEET USA	PER IN. VALUE CALC.	176 (176)		TOTAL	14500	LEFT (ROADSIDE)	WEIGHT (LBS.)	150	535	35.	34	3	8			C C	3 13	g	500	32	3													GER LOAD						FRT/	AXI	AVAII ABI				Maximum Capacity		•	Combined Front	1000 PA		Maximum Capacity
	VEHICLE DESCR	122WC176190-5 EST USA	WHEELBASE	176	CAPACITIES	REAR	22.2		2	UP.	co	26F	77	£ 19	191			3	8	8	5	88	707	HALL RECORDED TO THE PARTY OF T										以	STATE AND AND ASSESSED.	TOTAL PASSENGER LOAD	AXLE WEIGHTS																	
						FRONT	3			gaylou	2000	90	900	90	DB			MID OBL	MID DBL	MID DBL		W/C	הם ואות מאוסת		A0000000000000000000000000000000000000									**************************************											The state of the s	-								



USAGE: 2011 ALLSTAR, FORD, 158" WB - MODEL 24

▼ CRITICAL CONTROL ITEM





WHEN ADDING REAR LUGGAGE ADD THE SIZE OF THE	REAR LUGGAGE TO DIM. B1
WHEN	REAR
*	

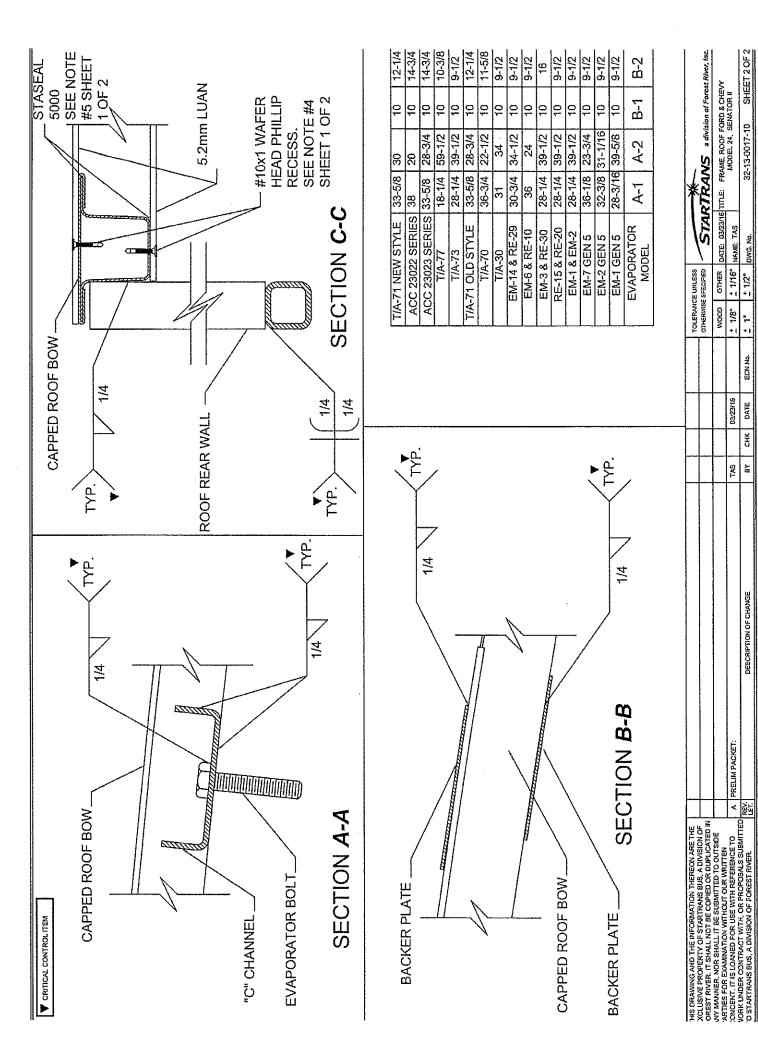
NOTES

- 1- DRAWING VIEWED FROM EXTERIOR SIDE OF UNIT.
 - 6
- 4- SCREW LOCATION AT SEAMS AND EDGES 8" ON CENTER 2- A/C BOLT PATTREN MAY VERY SEE SALES ORDER. 3- BEFORE CUT ROOF HATCH SEE SALES ORDER.

BOLT: 38-16 x 31-g. HEX HEAD SHEET STEEL: 16ga. x 3-1/2" x 36-"C" CHANNEL: 16ga. x 1" x 3-1/2" x 1"C" x 1-3/1

- ALL OTHER LOCATION 16" ON CENTER.
- 5- SEALANT USAGE: 1/4" MIMIMUM 3/8"MAXIMUM BEAD ON ALL ROOF FRAME TO LUAN SURFACES. 6- ADD STRAP FOR CHEVY ONLY

*	STARTRANS a division of Forest River, Inc.	WOOD OTHER DATE: 0323/16 THE: FRAME, ROOF FORD & CHEVY	MODEL 24, SENATOR II	32-13-0017-10 SHEET 1 OF 2
_	•	DATE: 03/	11/8" 11/16" NAME: TAS	DWG. No.
OLERANCE UNLESS	OTHERWISE SPECIFIED	OTHER	1/16	± 1/2"
TOLERAN	OTHERWIS	GOOW	± 1/8	± 1°
				ECN No. # 1" # 1/2" DWG. No.
			03/23/16	BY CHK DATE
				СĘ
			TAS	Жe
			A PRELIM PACKET:	T. DESCRIPTION OF CHANGE
4IS DRAWING AND THE INFORMATION THEREON ARE THE	OREST RIVER. IT SHALL NOT BE COPIED OR DUPLICATED IN	NY MANNER, NOR SHALL IT BE SUBMITTED TO OUTSIDE "ARTIES FOR EXAMINATION WITHOUT OUR WRITTEN	0	OSTARTRANS BUS, A DIVISION OF FOREST RIVER.



SHEET 2 OF 2

32-13-0017-10

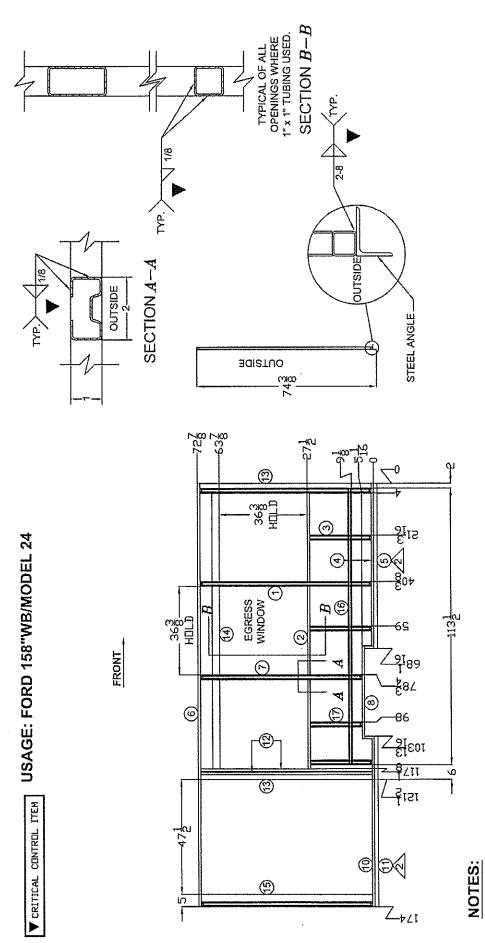
± 1/2°

ECN No.

CHK DATE

ğ

DESCRIPTION OF CHANGE



1- DRAWING VIEWED FROM EXTERIOR SIDE OF UNIT.

Account of the contract of the		0	,	TUBE: 16ga. x 1" x 1" x 24-3/8"Lg. A-513			
	Ľ	2		FRAME, SIDEWALL WHEEL WELL FORD	17 1		WALL BOW: 18ga. x 1" x 2" x 21-7/16"Lg. A-513
	<u> </u>	7	02062351	WALL BOW: 18ga. x 1" x 2" x 56-13/16"Lg. A-513	16 1		SEAT TRACK: 113-1/2"Lg.
	L	-	02071055	TUBE: 16ga. x 1" x 1" x 174"Lg. A-513	15 1		TUBE: 16ga. x 1" x 3" x 70-7/8"Lg. A-513
	<u> </u>	-	02071056	ANGLE: 11ga. x 1-1/2" x 2" x 68-1/16" Lg. A-513	14 3		TUBE: 16ga. x 1" x 3" x 36-3/8" Lg. A-513
	Ľ	T-	02071055	TUBE: 16ga. x 1" x 1" x 67-1/16" Lg. A-513	13 2		TUBE: 18ga, x 1" x 2" x 70-7/8"Lg. A-513
	Ľ	3	02062351	WALL BOW: 18ga. x 1" x 2" x 25-1/2" Lg. A-513	12 2	02071055	02071055 TUBE: 16ga. x 1" x 1" x 70-7/8"Lg. A-513
	<u> </u>	8		TUBE: 16ga. x 1" x 1" x 36-3/8" Lg. A-513	11	02071056	02071056 ANGLE: 11ga. x 1-1/2" x 2" x 70-3/16"Lg. A-513
	<u> </u>	4	02062351	WALL BOW: 18ga. x 1" x 2" x 70-7/8" Lg. A-513	10	02071055	02071055 TUBE: 16ga. x 1" x 1" x 69-3/16"Lg. A-513
	REF. No.	No. OTY	. PART No.	MATERIAL DESCRIPTION	REF. No. QTY.	C. PART No.	MATERIAL DESCRIPTION
G AND THE INFORMATION THEREDN ARE						TOLERANCE INLESS	1
FUREST RIVER. IT SHALL NOT BE						DIMERAISE SPECIFIED	ED STARTRANS adivision of Forest River, Inc.
	•						

TITLE: 158' VP HOBEL 24, PASSENGER SIDEVALL REAR LIFT, STANDARD SEMATOR II

DATE:03/23/16

מטטא

± 1/8" ±1/16" NAME: TAS OTHER

27.2

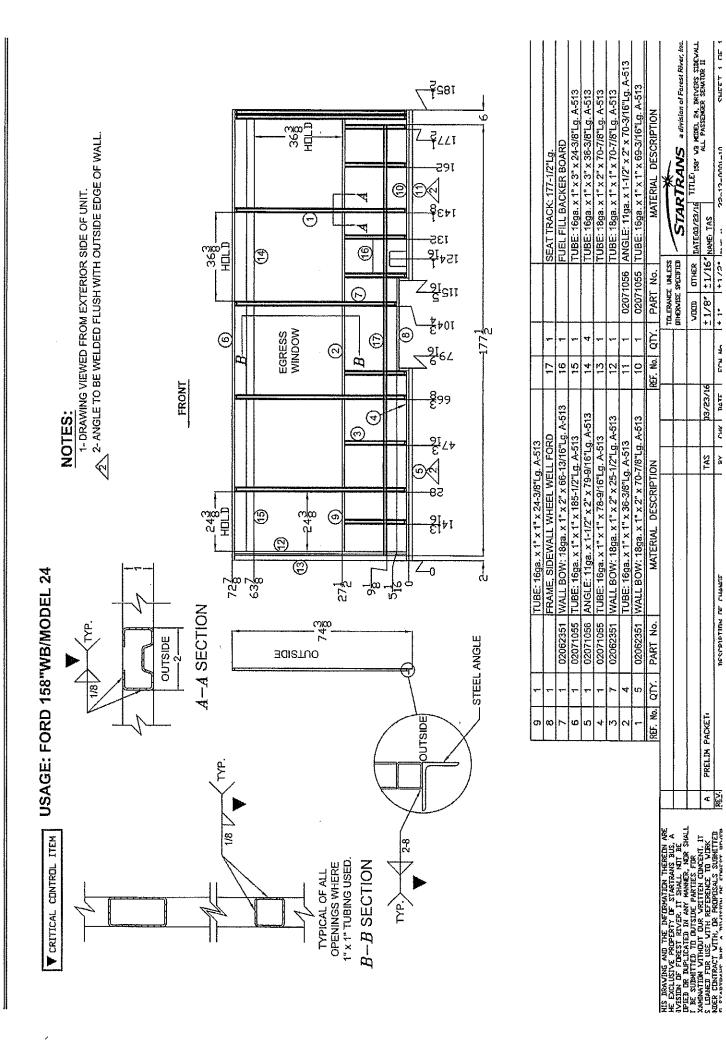
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THE CONTINUE OF CHANGE

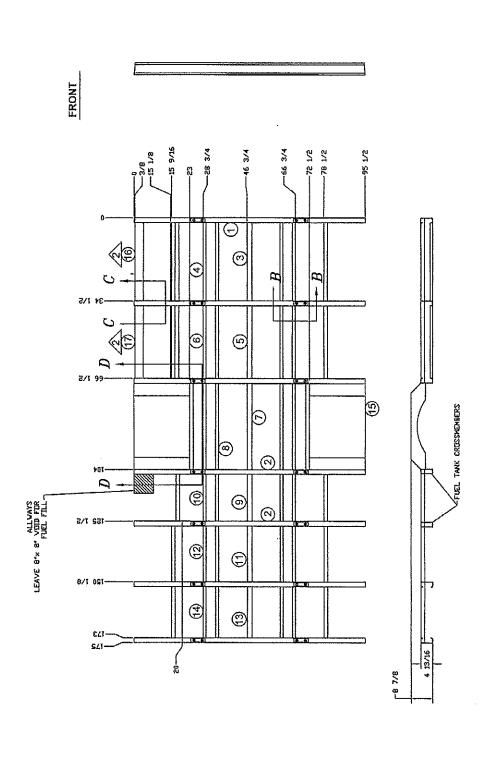
TAS Y

03/23/16 nate

PRELIM PACKET



▼ CRITICAL CONTROL ITEM USAGE: 2011, FORD 158"WHEEL BASE 175"BODY



NOTES:

1- DRAWING VIEWED FROM INTERIOR SIDE OF UNIT.

EDGE OF CROSSMEMBER. THE OTHER MOUNTS 14" FOR PRO AIR & 6-1/4" FOR TRANS AIR FROM OUTSIDE EDGE OF CROSSMEMBER.

3- SEE SHEET 2 OF 2 FOR DETAILS, TORQUE SPECIFICATIONS, SECTION VIEWS AND CUT LIST.

			53/50	DAT	
				箦	
			TAS	BY CHK DAT	
and the second s			PRELIM PACKETI	BESCRIPTION OF CHANGE	
			*	э	
HIS DRAVING AND THE INFORMATION THEREIN ARE HE EXCLUSIVE PROPERTY OF STARTBANS BIS. A	IVISION OF FOREST RIVER, IT SHALL NOT BE	T BE SUBHITTED TO DUTSING PARTIES FOR	S LOANED FOR USE VITH REFERENCE TO VORK	NEK CINIKALI VIII. DE PARTISALS SUBMITTED II STARTRANS BUS, A DIVISION OF FOREST RIVER.	

STARTRANS a division of Forest River, Inc. DATE:03/23/16 FAMPE, DETAILS FLORE FORD 158" VB 175 BDY MODEL EA, PASSENGER STANDARD SCIAITR II

SHEET 1 OF

32-13-0015-10

NAME: TAS

±1/16°

± 1/8′

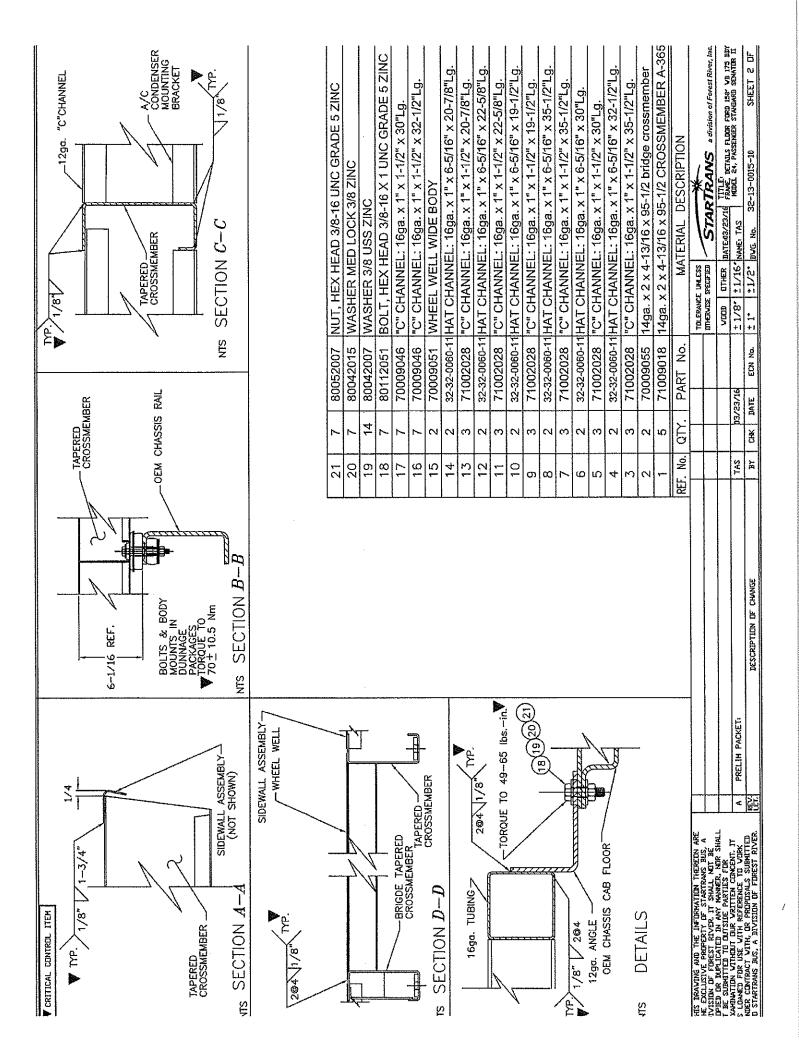
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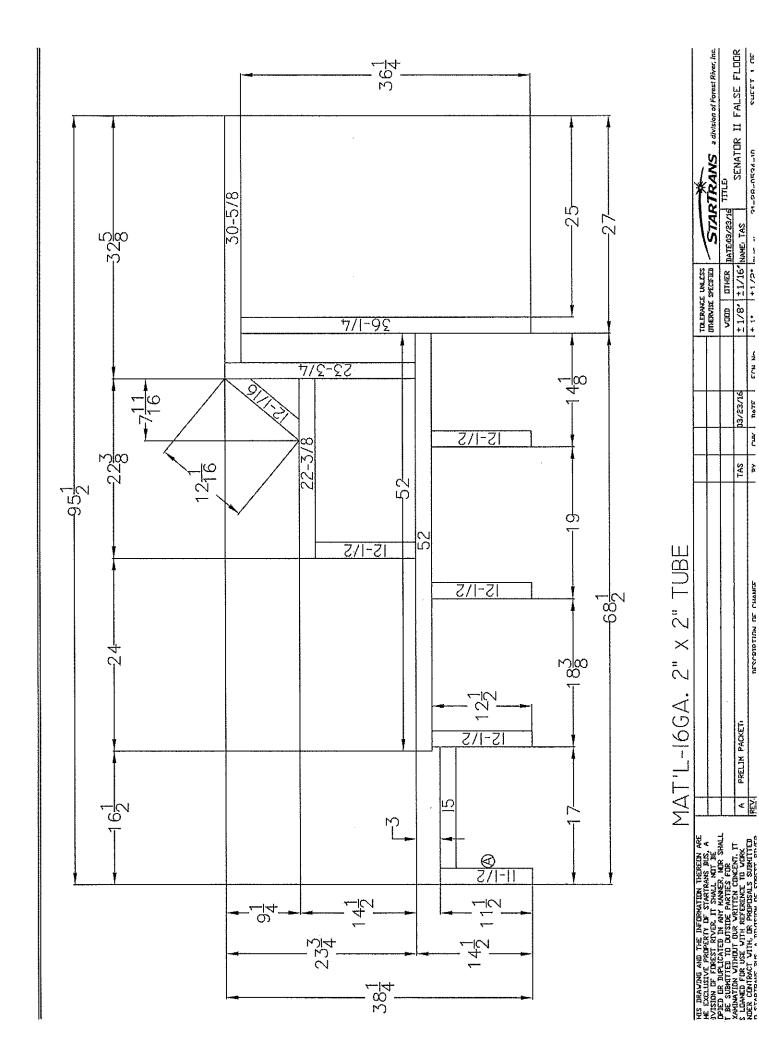
2007

±1/2

ECN No.

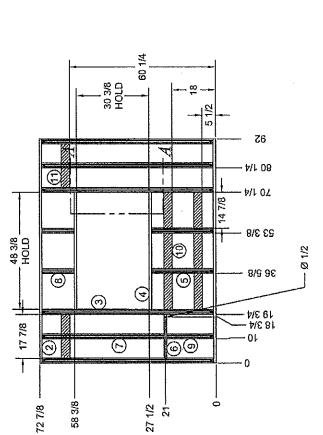
TOLERANCE UNLESS DINCHUSE SPECIFIED





USAGE: ALLSTAR W/ REAR ▼ CRITICAL CONTROL ITEM

EGRESS WINDOW



1/8 NV TYP.	TYPICAL OF ALL OPENINGS WHERE "C" CHANNEL IS USED

SECTION A-A

NOTES:

1- DRAWING VIEWED FROM EXTERIOR SIDE OF UNIT.

32-13-0009-10 SHEET 1 OF	DWG. No.	2 1/2°	+1	ECNNO. + 1º 21/2º DWG.No.	BY CHK DATE	ς. Έ	ΒY	DESCRIPTION OF CHANGE	O STARTRANS BUS, A CIVISION OF FOREST RIVER.
REAR LIFT, STANDARD S	11/8" 11/16" NAME: TAS	± 1/16"	± 1/8"		03/23/16		TAS	A PRELIM PACKET:	CONCENT, IT IS LOANED FOR USE WITH REFERENCE TO VORK UNDER CONTRACT WITH, OR PROPOSALS SUBMITTED
TITLE	WOOD OTHER DATE: 03/23/16	OTHER	doow						ARTIES FOR EXAMINATION WITHOUT OUR WRITTEN
STARTRANS a division of f	STA	TOLERANCE UNLESS OTHERMISE SPECIFIED	TOLERAN						HIS DRAWING AND THE INFORMATION THEREON ARE THE XCLUSIVE PROPERTY OF STARTRANS BUS, A DIVISION OF OREST RIVER, IT SHALL NOT BE COPED OR DIPLICATED IN
MATERIAL DESCRIPTION	MAT	No.	PART	REF. No. QTY. PART No.	<u> </u>				

of Farest River, Inc ENGER SIDEWALL. ID SENATOR II

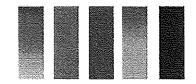
STEEL PLATE: 11ga. x 3 1/2" x 17-7/8"Lg. A-513

STEEL PLATE: 11ga. x 3 1/2" x 14-3/4"Lg. A-513
02062351 WALL BOW: 18ga. x 1" x 2" x 19"Lg. A-513
02062351 WALL BOW: 18ga. x 1" x 2" x 12-7/8"Lg. A-513
02062351 WALL BOW: 18ga. x 1" x 2" x 50-7/8"Lg. A-513
02071055 TUBE: 16ga. x 1" x 1" x 17-3/4"Lg. A-513

O

02062351 WALL BOW: 18ga. x 1" x 2" x 25-1/2"Lg. A-513 02071056 TUBE: 16ga. x 1" x 1" x 48-3/8"Lg. A-513 02062351 WALL BOW: 18ga. x 1" x 2" x 70-7/8"Lg. A-513 02071055 TUBE: 16ga. x 1" x 1" x 2" x 70-7/8"Lg. A-513





STARTRANS BUS EXTERIOR SKIN / IMPERVIOUS TO CORROSION

Noble_® Select

Sheet Glass Exterior Fiberglass Sidewall Panels for Recreational Vehicles

All-Composite Wood Free Panel

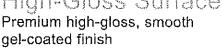
An all-composite, wood-free exterior panel with superior surface and weathering performance. Noble Select is designed for both laminated and free-hung wall applications and is preferred where full-body paint is required.

No Wood Fibers

100% formaldehyde free Up to 20% lighter than wood-backed sidewalls

High-Gloss Surface

gel-coated finish



High-Strength and Durability Withstands extreme weather and road conditions



Noble_® Select

Sheet Glass Exterior Fiberglass Sidewall
Panels for Recreational Vehicles

Give Them More of What They RV For

To get more out of every mile and every moment, choose Crane Composites genuine fiberglass panels for your vehicle. Crane Composites is the leading manufacturer of fiberglass products for the RV industry. From surfboards to seaplanes, fiberglass has a well-earned reputation for combining high performance with high style. Our fiberglass interior and exterior sidewalls are tested to deliver unmatched durability and long-lasting beauty.

There are important decisions to make when purchasing a new caravan. Genuine CRANE Fiberglass provides more comfort than aluminum... its superior insulating properties help control inside temperatures while reducing excessive road noise. Better soundproofing means more peace and quiet wherever you're parked, or on the road. There are a number of common, real-world occurrences that can easily damage aluminum exteriors, thereby diminishing both the appearance and value of your RV - not to mention costly repairs.

MORE COMFORT

Better Insulated for Climate Control

More Soundproof for Reduced Noise

Better Protection from the Outside



MORE STYLE

Fewer Dents and Dings
Superior Surface Finish
Resistant to Fading and Oxidation



MORE PREEDOM

More Durable
Easier to Clean
Fewer Repairs
Less Shop Time



MORE VALUE

Less Expensive to Maintain Higher Resale Value Years of Fun, Care-Free Vacations



Choose the Right CRANE Fiberglass Product

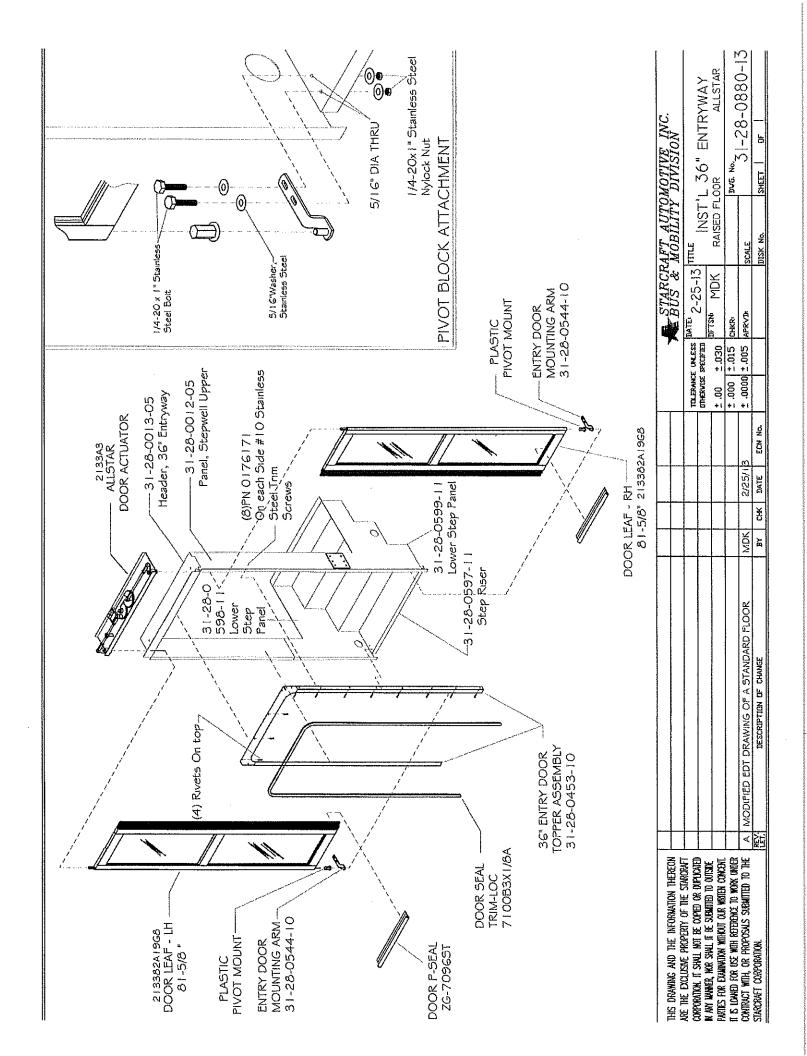
Sidewall Finish Types	Surface Finish Quality	Deni/Tear Resistance	Repairability	Scratch Resistance	Maintenance	Corresion Resistance	General Weathering	Warranty
Filon _s G-III	Medium	Hìgh	High	High	Low	High	High	2-Years Parts & Labor
Noble. Classic	High	High	High	High	Low	High	High	1-Year Parts & Labor
Noble Select	Premium	High	High	High	. Low	High	High	3-Years Pans & Labor
Painted Aluminum	High	Low	Low	Low	Medium	Medium	High	RV Manufacturer Warranty



ADDITIONAL INFORMATION

Please visit our website at www.cranecomposites.com/RV for additional information and physical properties





243/4 SEE NOTE 3 Rough Opening for 33-34" Lifts 47.5" x 71.88" Rough Opening for 37" Lifts 49.9" x 71.88" INTERIOR SIDE DOOR HANDLE 2434 SEE NOTE 3 3/16 INTERIOR SIDE

RAISED FLOOR WIDE BODY BUS

STANDARD WIDE BODY BUS

NARROW BODY BUS AND

W CRITICAL CONTROL ITEM

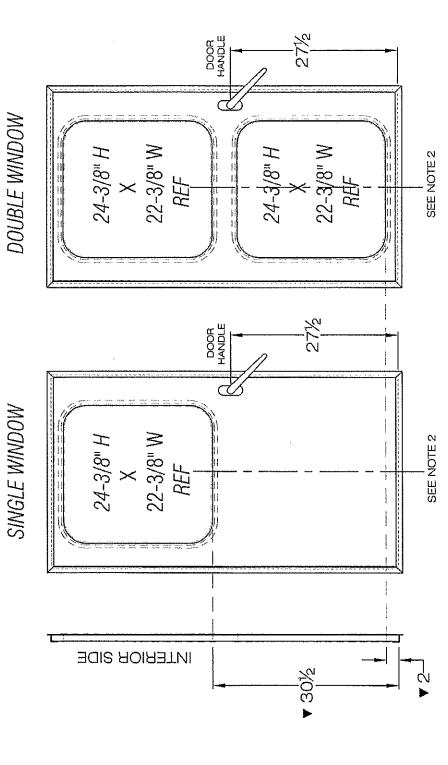
Offset hinges are utilized, maximizing clear

opening available.

1- DIMENSIONS FOR THE WINDOW CUTOUT DO NOT INCLUDE DOOR OR WINDOW TRIM. 2-36 \frac{1}{2}" X 12 \frac{2}{2}" ROUGH WINDOW OPENING 3- CENTER WINDOW HORIZONTALLY IN DOOR.

CAD DRAWING: DO NOT SCALE OR MANUALLY REVISE

Forest River Bus		W.C. DOOR WINDOW	21_08_010K_0R
Forest	vood отнея _{вате} 3-8-06 пте	# 1/8" 1/16" NAME, EDT	
SPECIFIED	ОТНЕК	11/16	+1/2+
TILLERANCE UNLESS OTHERVISE SPECIFIED	QUOA	± 1/8′	" - J + 6/1+ + 1 +



REAR DOOR

REAR DOOR ROUGH FRAME OPENING 38-1/2" X 59"

1. DIMENSIONS FOR THE WINDOW CUTOUT DO NOT INCLUDE DOOR OR WINDOW TRIM. 2. CENTER WINDOW HORIZONTALLY IN DOOR. 3. TWO (2) PANELS ARE REQUIRED FOR W/C DOOR.

CAD DRAWING: DO NOT SCALE OR MANUALLY REVISE

▼ CRITICAL CONTROL ITEM

Forest River Bus	DIMER DATE: 4-6-2006 TILE: LOCATION, RR DR	_	24 20 2420 25
	DA PA	ž	L
TOLERANCE UNLESS GIHERMISE SPECIFIED	DTHER	÷1/16°	***
TOLERANCE UNLESS FC	ממטא	±1/8" ±1/16" NAME:	40, 1
	•		,

BUS AIR CONDITIONING



EZ-5 EVAPORATOR

THE A.C.T. **EZ-5** EVAPORATOR IS DESIGNED FOR FREE-BLOW CEILING MOUNT APPLICATIONS. WE HAVE MANUFACTURED THIS EVAPORATOR SPECIFICALLY FOR THE TRANSPORTATION INDUSTRY.

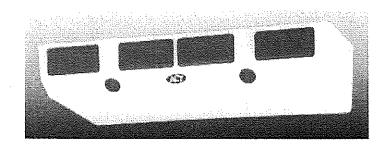
IT'S ENHANCED PERFORMANCE, SERVICEABILITY, AND INSTALLATION EASE ARE THE RESULT OF MANY YEARS' EXPERIENCE IN THIS INDUSTRY.



- Unique Louver Design Enhances Airflow Throughout The Vehicle
- Pressure Switches Located At The Evaporator For Maximum Compressor Protection
- Internally Enhanced Copper Tubing Colls Increases System Performance
- 100% O-Ring Connections For Maximum Leak Protection
- · Low Profile Design For Added Headroom
- Unitized Drain Pan Construction Eliminates Condensate Problems

OPTIONS

- · Adjustable or Fixed Air Outlet Louvers
- 12 Volt or 24 Volt Motors
- Heat Coil
- · Grey or White Covers



SPECIFICATIONS

COOLING CAPACITY: up to 60,000 Btu/Hr

AIRFLOW: AMPERAGE DRAW:

1600cfm (2712 m3/hr) 18 Amps @ 13.5 Volts

9 Amps @ 27 Volts

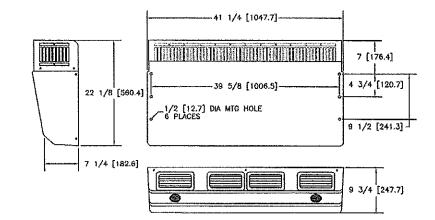
WEIGHT:

67 lbs.

FILTER:

Cleanable Aluminum Mesh

Specifications subject to change without notice.





AMERICAN COOLING TECHNOLOGY, Inc.

www.actusa.us.com

715 Willow Springs Lane, York, PA 17406 Tel: 717.767.2775 ~ Fax: 717.767.3658

Toll Free: 877.228.4247



RELY ON OUR EXPERIENCE TO PROPERLY APPLY YOUR BUS AIR CONDITIONING SYSTEM

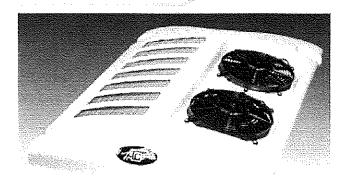
BUS AIR CONDITIONING



CR-2 CONDENSER

THE A.C.T. CR-2 CONDENSER IS DESIGNED FOR ROOF MOUNT APPLICATIONS. WE HAVE MANUFACTURED THIS PRODUCT TO OFFER OUR CUSTOMERS GREATER FLEXIBILITY IN CONDENSER PLACEMENT.

IT'S LOW PROFILE DESIGN, HIGH PERFORMANCE, SERVICEABILITY, AND INSTALLATION EASE ARE THE RESULT OF MANY YEARS' EXPERIENCE IN THE TRANSPORTATION INDUSTRY.



ADVANCED FEATURES

- Low Profile Aerodynamic Design
- Heavy Duty, Durable UV Capped ABS Cover
- · Lightweight, Rust Proof Aluminum Powder Coated Frame
- Internally Enhanced Copper Tubing
- · Unequalled Heat Rejection....
 - Lower Cooling Temperatures
 - Lower Head Pressures
- * 12 Inch Diameter Fan for Increased Airflow
- Sealed Motor Design
- Sealed Electrical Connections

SPECIFICATIONS

RATING: Up to 70,000 Btu/Hr IMACA, (34,000

Btu/Hr ARI)

AIRFLOW: 2460 cfm

AMPERAGE DRAW: 23 Amps @ 13.5 Volts

11 Amps @ 27 Volts

CONDENSER FANS: 12 Inch Diameter Sealed

Motors

FILTER DRIER/SIGHTGLASS: 16 Cu. Inch

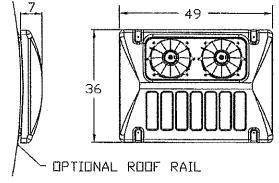
Displacement w/ Moisture Indicator

WEIGHT: 43 lbs.

Specifications subject to change without notice.

OPTIONS

- Optional Mounting Rails for Curved or Flat top Roofs
- 12 Volt or 24 Volt Motors
- Branch Guard



3 YEAR LIMITED WARRANTY

AMERICAN COOLING TECHNOLOGY, Inc.

www.actusa.us.com

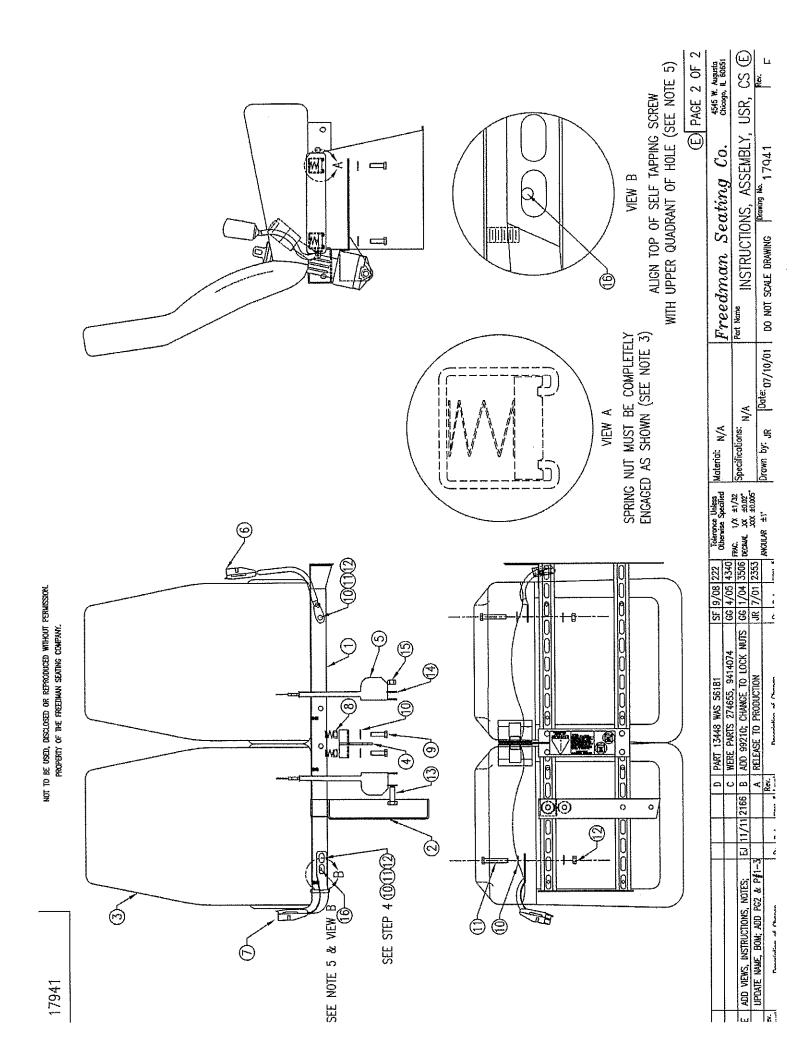
715 Willow Springs Lane, York, PA 17406 Tel: 717.767.2775 ~ Fax: 717.767.3658

Toll Free: 877.228.4247



RELY ON OUR EXPERIENCE TO PROPERLY APPLY YOUR BUS AIR CONDITIONING SYSTEM





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7	

NOT TO BE USED, DISCLOSED OR REPRODUCED WITHOUT PERNISSION. PROPERTY OF THE FREEDMAN SEATING COMPANY.

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WELDMENT, FW BASEFRAME,

PART # | DESCRIPTION

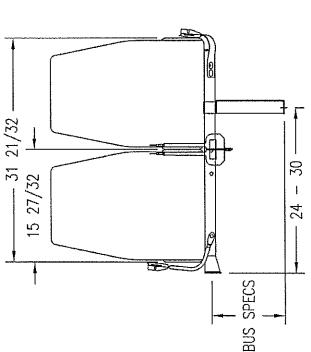
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DUNDERSEAT RETRACTOR INSTALLATION INSTRUCTIONS

- Complete the seat assembly procedure outlined in FW Seat Installation Instructions FSC 35774. Install Center Channel Bracket Assembly 37577 to base frame using the following hardware and medium strength thread locking compound: 7/16-14 spring nut 35066, $7/16-14\times 1$ 1/2 grade 8 hex head cap screw 427555, and 7/16 high strength flat washer 99015Step 1: Step 2:
 - (items 8, 9 & 10 FSC supplied). Hand tighten so bracket may slide. Make sure the spring nuts engage in the channel completely. (See View A)
- rotated into position. Place both retractor boots between the seats and tarque the four bracket bolts 427555 to the baseframe to 12-17 ft-lbs. Tighten the bolt connecting the retractors to Place one retractor 13448 on either side of bracket 37577. Use the $1/2-13 \times 11/2$ screw 427566, two 1/2 flat washers 120396, and one 1/2-13 prev torque lock nut (items 13, 14 & 15 - FSC supplied). Hand tighten the assembly as shown so the belts may 60 ft-lbs. ν'n Step
- and use the appropriate mounting holes to attach the buckles to the frame. When using rigid buckl either mounting hole may be used. Tighten hardware until secure against the channel, a minimum prev torque lock nut (items 10, 11 & 12 - FSC supplied). Position the buckles for the best fit of 4 threads shall be showing through the nut. Do not overtighten the buckles, which tends to crush the rail. To prevent rotation of the rigid buckle, attach a self-drilling screw 99210 as shown on page 2. See note 5. Use one $7/16-20 \times 2$ 1/2 screw, two 7/16 high strength flat washers, and one 7/16-20Attach left and right buckles to their respective sides of the baseframe as shown. Step 4:

(2	-		WELDMENT, LEG PLATE, SS
(3	2		FW SEAT
	4	1	37577	ASSEMBLY, BRACKET, CHANNEL, CENTER
	5	2	13448	RETRACTOR WITH USR SNOUT REDUCER
	9	-		BUCKLE, LEFT (SEE NOTE 5)
(1)	7	-		BUCKLE, RIGHT (SEE NOTE 5)
	8	4	35066	SPRING NUT, 7/16-14
	6	4	427555	7/16-14 X 1 1/2 HEX HEAD CAP SCREW, GR8, ZP
	10	8	99015	7/16 FLATWASHER, HIGH STRENGTH, ZP
	1	2	181676	7/16-20 X 2 1/2 HEX HEAD CAP SCREW, GR5, ZP
	12	7	9422300	9422300 7/16-20 PREV TORQUE HEX CONICAL TOP LOCKNUT, GR8, CP
	13		427566	1/2-13 X 1 1/2 HEX HEAD CAP SCREW, GR8, ZP
<u>بر</u> رو	14	2	120396	120396 1/2 FLATWASHER, SAE, ZP
2	₹ <u></u>		9422301	9422301 1/2-13 PREV TORQUE HEX CONICAL TOP LOCKNUT, GR8, CP
	16	-	99210	99210 1/4-20 \times 3/4 TEK, HEX HEAD SELF-TAPPING SCREW, BO
6	Orr (c)	7	ONOLONIC	P. HOTT(C), 4) DINCHICIONE ADE FOR DEFERENCE ONLY

- THE SEAT BELTS TO FAIL IN THE EVENT OF A VEHICLE ACCIDENT, WHICH INCOMPLETELY ENGAGING THE SPRING NUT IN THE CHANNEL MAY CAUSE RESULT IN INJURY OR DEATH OF THE SEAT OCCUPANT (E) NOTE(S): 1) DIMENSIONS ARE FOR REFERENCE ONLY.
 2) STREETSIDE SEAT ASSY SHOWN.
 3) INCOMPLETELY ENCAGING THE SPRING NU
 - USR KIT NUMBER 37475. \Rightarrow
- IF BUCKLE (56183) IS USED, USE FASTENER (99210) TO PREVENT BUCKLE (99210) CAN FALL WITHIN THE HOLE AS LONG AS THE BUCKLE (56183) (56183) FROM ROTATING WHEN A LOAD IS APPLIED TO IT. THIS SCREW CAN NOT ROTATE 2



Material:	Freedman Seating Co.	Seating	Ço.	4545 Chicog	4545 W. Augus Chicago, IL 606
Specifications:	Port House INSTRUCTIONS, ASSEMBLY, USR, SS ©	ASSEMBLY,	USR,	SS (E)	
Drawn by: KC Date: 08/22/01	Date: 08/22/01 DO NOT SCALE DRAWING	ING Brawing No. 17942	7947		<u>.</u>

GG 4/05 4340 RRC. 1/X ±1/32 GG 1/04 3506 DECEMA XX ±0.02" XXX ±0.02"

B ADD 99210; CHANGE TO LOCK NUTS C | WERE PARTS 274655, 9414074 D PART 13448 WAS 56181

2166

3

UPDATE NAME, BOM; ADD PG2 & P#1-3 ADD VIEWS, INSTRUCTIONS, NOTES;

SF 9/08 222

ANGULAR ±5

KC 8/01

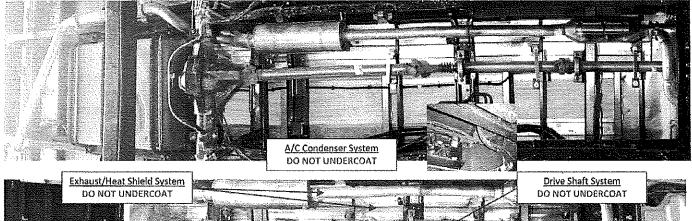
PAGE 1 OF 2

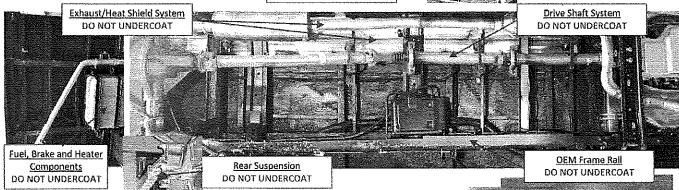
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STARCHAFT	MANAGEMENT AND	Process Control Document	Form 751-01-18. Rev. B Updated: 08/29/2014
Rev. B			No. 32-01-0049-06
Implementation: 6/02/2	2006	Undercoating Process	Written by: Juan Machuca
Models Affected:	All models		
Tools Necessary:			Total Pages: 01

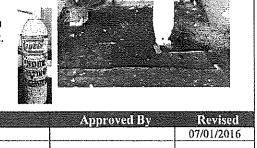
Undercoating Application:

- 1. Starcraft Bus must comply with OEM/Vendor requirements and/or guidelines
 - a. QVM E0103 requirement states No undercoating within 8" of exhaust system or on fuel fill/vent hoses, fuel tank, driveshaft, steering dampener, or shock absorbers.
 - b. Trans Air requirement states No undercoating condenser, condenser components, hoses or wire harnesses





- 2. Starcraft undercoating (BASF MasterSeal 631 (Formerly Degacoat 310)) spray application must entirely cover:
 - a. Underside of body sub-floor
 - b. Underside of OEM cab floor
 - c. Underside of step-well
 - d. Backside of fiberglass caps below floor level
 - e. Backside of side skirting
 - f. Floor framing and bracing
- 3. Starcraft inspection department must thoroughly inspect undercoat application
 - a. Areas that are not to be undercoated must be cleaned of all undercoat.
 - Areas missing undercoat must have undercoat applied using compressed undercoat.



Rev.	Renson for Revision	Approved By	Revised
В	Verify procedure and update pictures		07/01/2016



11/5/2014

MB # 7416vk

Z SHIELD TM 7318

A low gloss, very fast dry, red-oxide, solvent-based polymeric rust preventive coating, for airless or air-assist spray application to sheet metal, hot rolled steel, castings, forgings, extruded metal, and cast aluminum. This coating is also resistant to elevated temperatures. The 7318 is designed to protect metal substrates even when applied as a thin coating. The coating is fast drying and can be air dried, force dried or subjected to high temperature bake cycles. This primer also exhibits excellent gravel and stone pecking resistance.

PHYSICAL PROPERTIES

Color % NVM by WT. % NVM by VOL. Density Viscosity per #3 Zahn cup Mechanical Stability Heat Stability V.O.C. D.O.T. Flammability Rating Cryptometer/#2 Wedge, ASTM D1212	Red-oxide 58.4 42-46 10.0 lb/gal 30-35 sec. Excellent Excellent <3.50 lbs/gal >100 10 <5 matt finish
60° Gloss Sag (mils)	10 < 5 matt finish >12

Z TECHNOLOGIES CORPORATION



11/5/2014

MB # 7416vk

Z ShieldTM 7318 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, 3000 hours

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

♦ 325 F x 16 hours plus 16 hours humidity.

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

Salt Water Immersion, 5% NaCl, 100° F, 3000 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

 10 ± 2 minutes

15 + 5 minutes

6B Pass

Field, scribe, edge clean; no

blistering Pass (No rust)

Pass (No rust, no blisters)

Pass Pass

Good(8A)

Pass Pass

Pass Pass Pass

≥12 mils

160/40 inch-lbs.

5A Pass Pass

APPLICATION

For ultimate protection, apply films to clean metals at a thickness of at least 1.5-2.0 mils dry

www.ztechprotection.com

Z TECHNOLOGIES CORPORATION

0	SCANIA

 ηB









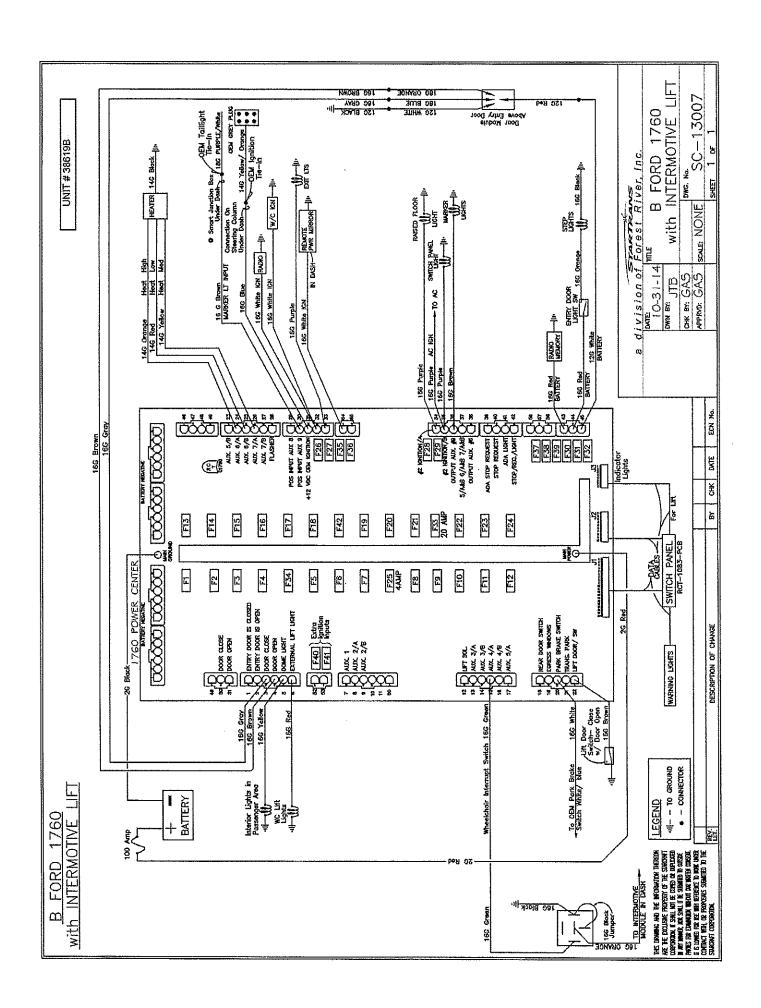


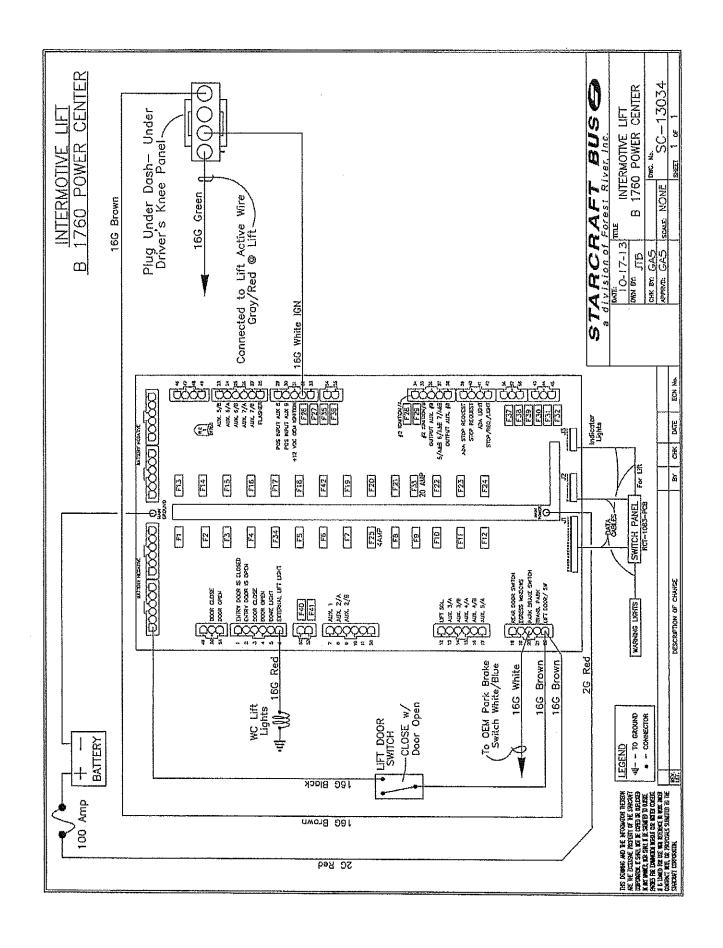
Supplier	3 1 MANAGEMENT AT SET PERSONAL SET	101018							
	ologies Corporation	Post Name							
Name Of La	boratory Dr. Kurt Ziebart Memorial Laboratories	Z-Guard ® 9902 ST/	6	juski,					
		2-Guard W 3302 3 14	it	: <u>.</u> .					
Spac. No.#	Malerial Specification Superseding Mit. PRF Com. Item Description A-A-59295 Supersedes TT C 5208	- 62218B June 3, 1995; which		***************************************					
2	Type I Motor Vehicles and Trailers Originally issued Sept. 9, 1598 NSN 8030-01-127-3683								
	requirements:	RESULTS	OK	OK					
3.1	INGREDIENTS Non Volatiles dispersed in petroleum solvent	water based	X	ļ					
3,1,1	no hiphy toxic ingredients	comply	X						
3,1,1,1	No benzena ar HAPS	comply	X						
3,1.1.2	No halogeneled hydrocarbons CHEMICAL AND PHYSICAL CHARACTERISTICS	comply	_ <u>×</u> _						
3:2,1,2	Non Volalijos (waight) not less than 52% ± 5%	ai%	Х	ĺ					
3.2.1.3		100 Fabrus - 100 Bry 100 Branch	×	<u> </u>					
	Wit per liker to not vary by more than 5% ASTM D1475 comply Suifated Ash content, Each batch shall be within 10% of								
3,2,1,4	Suifated Ash content. Each batch shall be within 10% of astabilished value ASTM 085								
3,2.2	Water Content shall be less than 1% ASTM D95	water based coating	X						
3.2.3	Lead Content loss than 0 015% ASTM D3335	< 0.006%	Х						
3.2.4	Flash Point not less than 100F ASTM D93	>2Å0 F	X						
3.2.5	Condition in Container: no settling, lumps, skins, or separation of		X	·····					
	itsé solvent	comply		<u> </u>					
3.2.6.2	Color, Color Brown or Black; no fluorescent pigments or dyes	black	Χ	ļ					
3,3	PERFORMANCE PROPERTIES	- WARETAN MARKEL US TO PUR							
3.3.1	Sag. Sag resistance > 10 wet mile (250,)								
3.3.2.2	Groep: (1) expose 2 std cold rolled steel panels to 24 Hrs of ASTM 117 Selt Spray. (2) Clamp the panels together so that they overtap by 1/2 inch (3) apply the coating with a spatials to the joint (4) allow the test panels to stand in a vertical orientation for 7 days at								
3.3.3	room temp. (d) examine for creep of coating no more than 0.25 inches allowed creep 0.1 inches pass Copper Cornosion. The compound shall not be cornosive to copper when lested to ASTM D130. Test duration 3 hours. Test Temperature 100C. Copper strip classification value shall not exceed 1-b (stight tainists, dark orange) 1-b Pass								
3,3,4	not exceed 1-b (slight timish, dark grange) 1-b Pass Fire Resistance: Expose the coating to a flame for 20 seconds. The coating shall not support combustion for more than 15 seconds after the flame is removed per ASTM D1310. Illame out in 5 seconds. Pass								
3:3.5	Support combustion for more than 15 seconds after the flame is removed per ASTM_D1310_flame out in 5 seconds. Pass Detergent Resistance, Immerse the dry coaling into a solution of 2.5 grams sodium lauryl surface or equivalent per liter of water at 50C (122F) for 10 minutes. The coaling must former in tract and continuous. Signity affected								
3.3.6			v	Γ					
3.3.0	Chip Resistance. ASTM D3170 rating of 3A or patter	. 4Á Pass	×						
3.3.7	Solvent Vapor Wash Resistance. Place fresh wet film into non air circulation oven at 1210 for 15 minutes. After 15 min cool at room temp, no evidence of sag, channeling, or romoval from surface.	no evidence of sag channeling or removal	×						
3.3.8		Basic RV-Aud World STATE And	Х						
	Condition to Touch. After 7 days at room temp, the coalling shall be dry to touch	dry to (oud): Pass.							
3.3.9	Environmental, Testing shall conform to SAE J1959	Pasa	Х						
3.3.9.1	Low Temperature Stability Expose the films to temperature of -20F for 16 hours. Film shall remain homogenous.	no elfact! Pass	×						
3,3,9.2	Low Temperature Sprayability, Coating applies at temperatures 4C (40F) or above.		×	1					
3.3.9.3	Low Temperature Standary, Couling shall be flexible at temperatures -20F and above	OK pass Pass	х						
3.3.9.4			×						
3.3.9.5	High Temperature Sprayability. The coating shall spray well 190F or below. High Temperature Flow Resistance. Expose dry little to 300F for 2 neurs: No sag allowed.	Pass No Stor Pass	×						
3,3,9,6	Salt Fog. Apply coaling to correded surface. Expose to 1000 hours per SAE J1959, Rating	No Sag: Pass	_^_	1					
3,3,9.7	inust be 2 or billior Salt Water Immersion: Immerso dry film for 21 days in solution of 27 6 grams of NaCt.2.4 grams CaCt2 in one iller of water. Adjust pH to 7 8 - 8.2 with sodium carbonate. See SAE	ASTM Reling of 6. Pass	х х	<u> </u>					
	J1959. The compound shall philot corresion	Pags	ļ	ļ					
3:3.9.8	Cyclic Environmental conditions. Test to SAE J1959 section 3.12. The coating shall inhibit corrosion	SAH J2334 Gyclic: Pass	×].					
1	REGULATORY REQUIREMENTS	Material is recoverable	х						
4.1	Attempt to utilize Receivered Material QUALITY ASSURANCE PROVISIONS	certified to ISO 9001	×	-					
5.1	Contractor Required to perform all examinations and tests		-	1					
5.2	Some product as sold to the commercial market	same product	X	I					

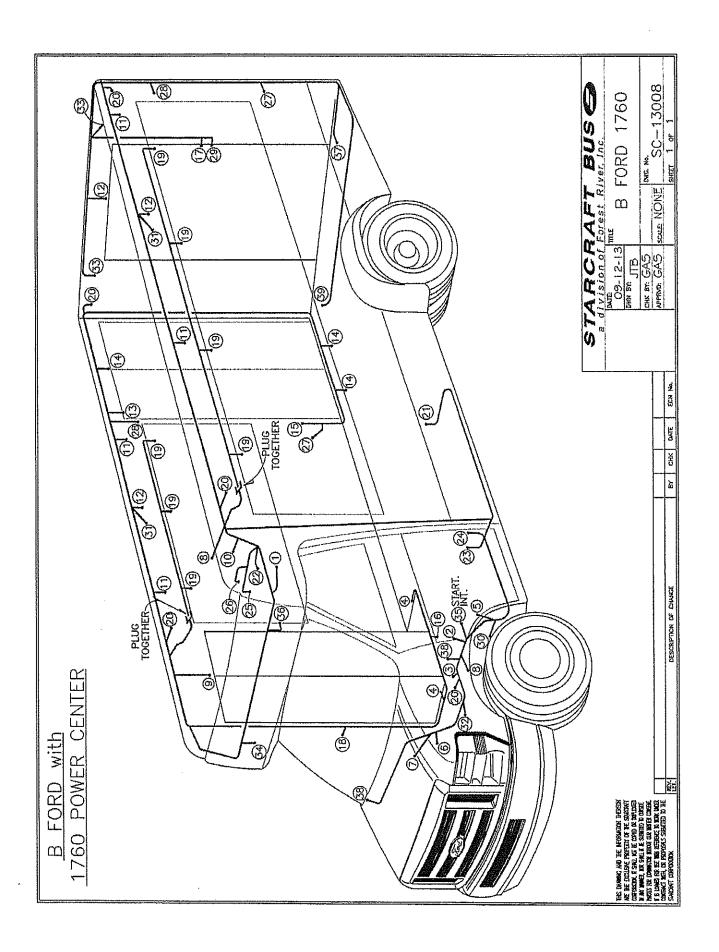
The above test results ward obtained from yaddation lesting to CID A-A-58295 Type II.

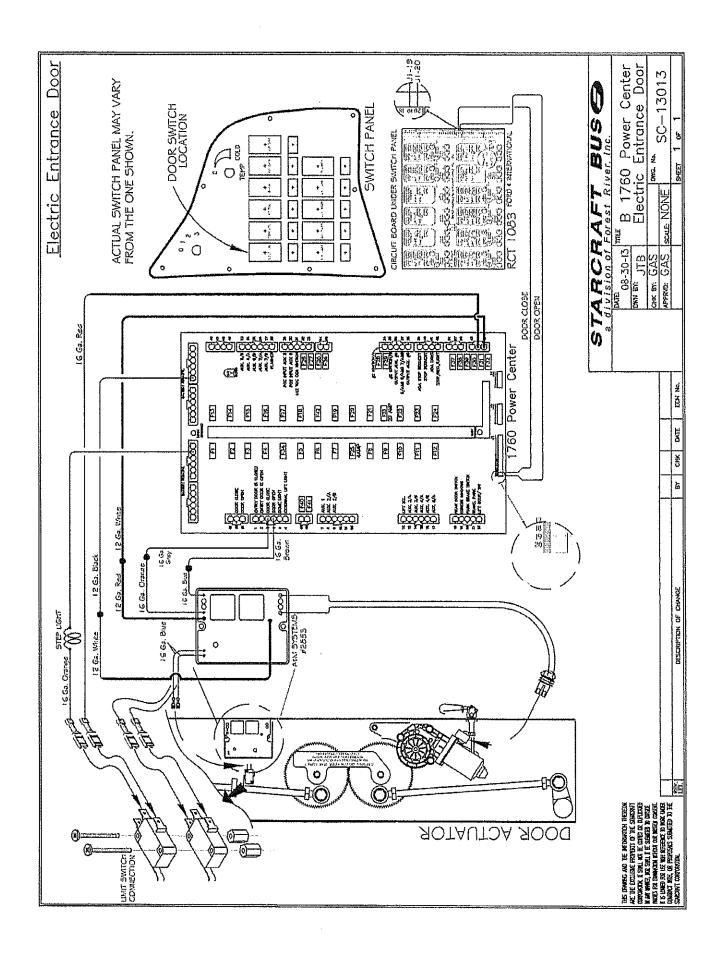
lene 1, 2017

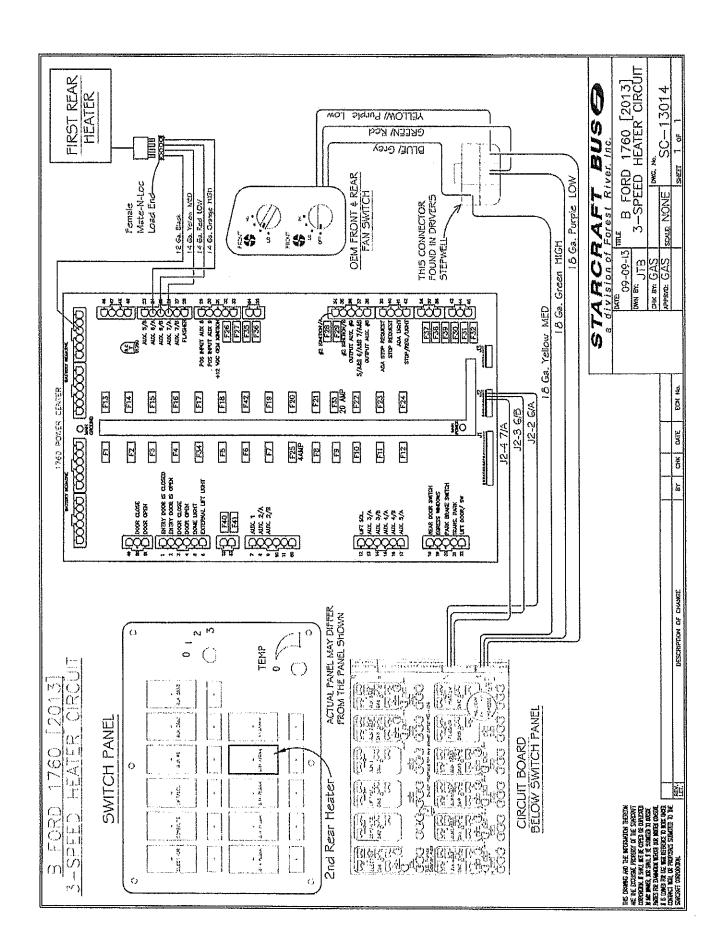
Date

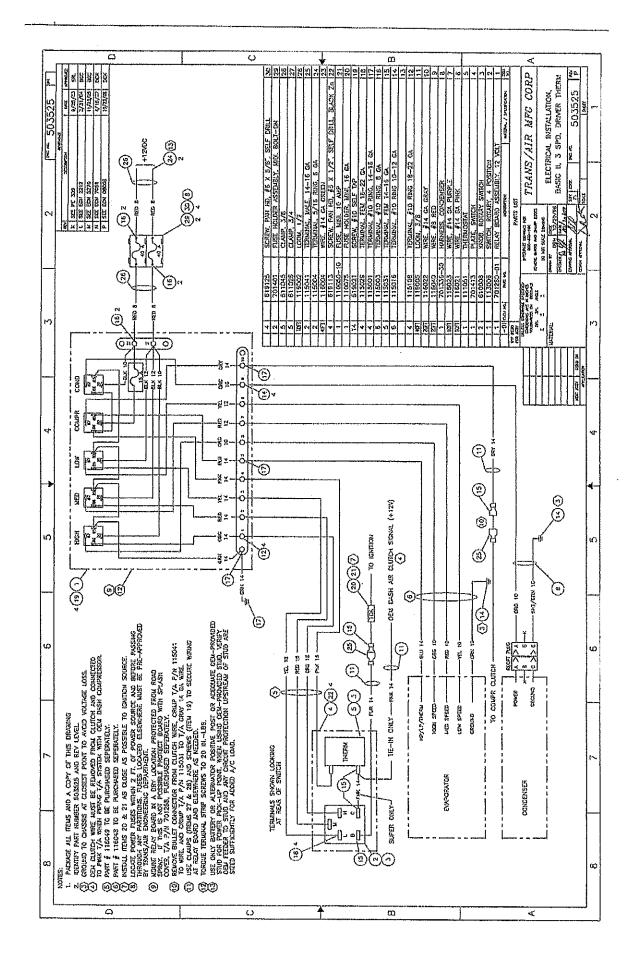


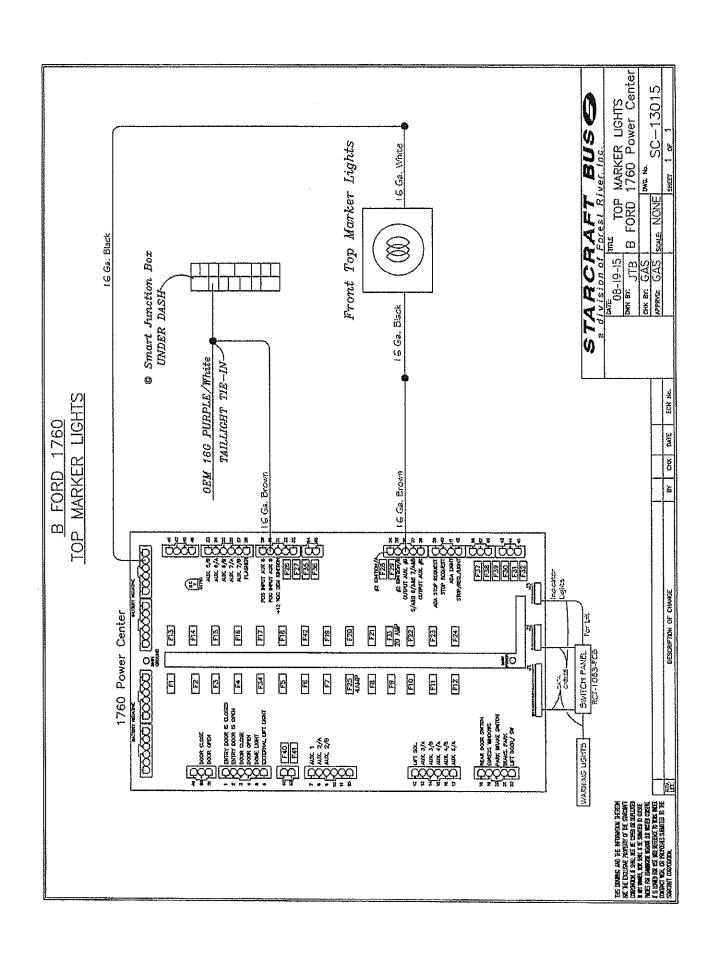


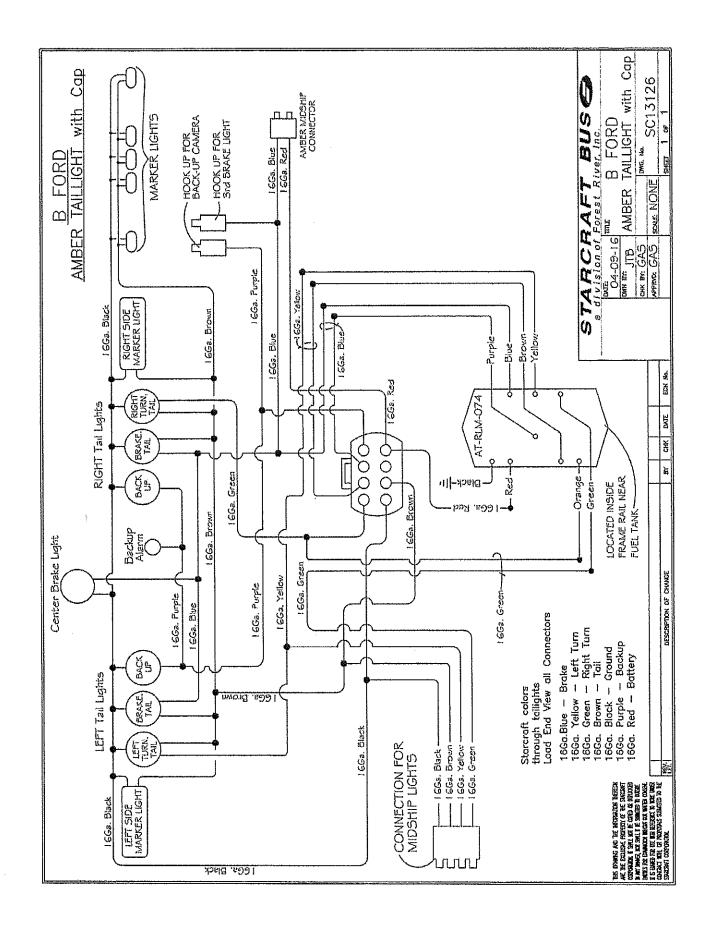




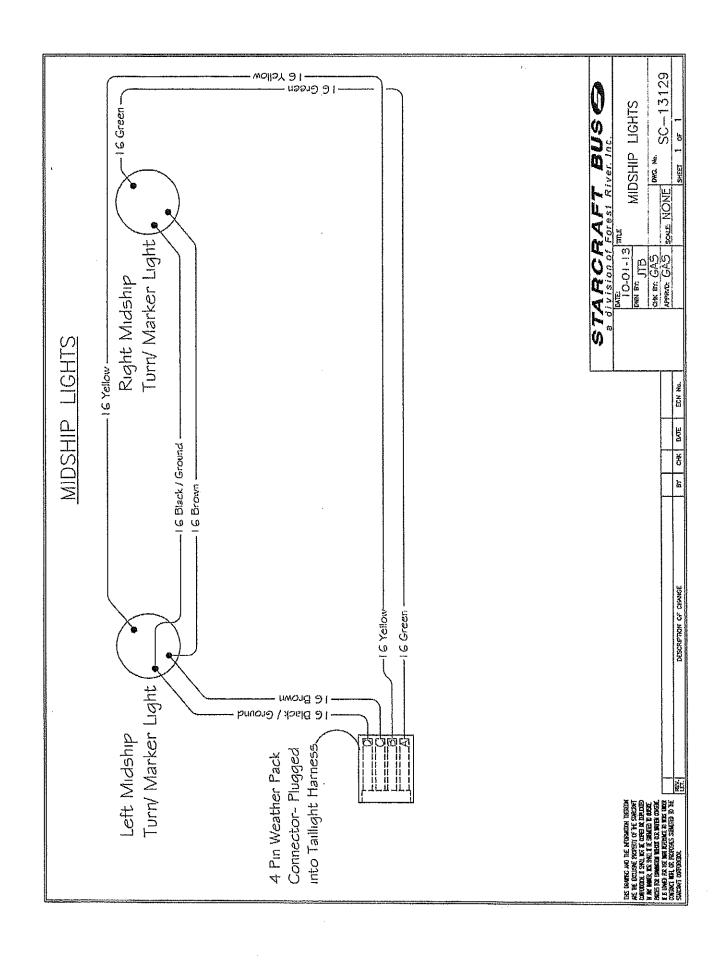








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90	DESCRIPTION	DESCRIPTION DETAIL	WIRE GUAGE	WIRE COLOR	FUSE TYPE	TYPE FUSE / SIZE
6	Main Distribution Panel				Character of the control of the cont	***************************************
<u>9</u>	OEM Ignition Tie-In		16	BLUE	-	
©	Transmission in Park Tie-In	Tronsmíssion in Park	16	WAITE		
①	Step Lights		16	ORANGE	ATC- Blade	F30- 15A
9	OEM Tail Light Tie-In	***************************************	16	BROWN	-	
<u>ම</u>	Radio & PA	Bottery Hot	16	RED	ATC- Blade	F31- 15A
		Ignition Hot	16	WHITE	ATC- Blade	F26- 15A
0	Remote Power Mirrors	Ignition	16	WHITE	ATC- Blade	F35 15A
<u>@</u>	TV/ Video		14	ORANGE	ATC- Blade	F27- 15A
<u></u>	Electric Door Header	Motor Power	12	WHITE	ATC- Blade	F32- 25A
		Door Closed	16	GRAY	ATC- Blade	F1- 10A
		Боог Ореп	16	BROWN		F2- 10A
9	Marker Light	***************************************	16	BROWN	ATC- Blode	F21- 15A
0	Interior Lights		16	YELLOW	ATC- Blode	F3- 15A
(2)	Emergency Exit Lights		16	PURPLE	ATC- Blade	F27- 15A
3	Lift Door Switch		16	BROWN		
(Lift Door Activated Lights		. 16	RED	ATC- Blade	F4- 15A
(9)	Lift Activation from Interlock		16	GREEN		AND THE PERSON NAMED AND THE P
(9)	Step Heater		4	BROWN	ATC- Blade	F5- 15A
0	Rear Door Switch		16	WHITE		
®	Exterior Door Key	Door Open	16	WHITE		
		Door Closed	91	BLUE		
(6)	Reading Lights	Switched Power	16	GREEN	ATC- Blade	F5- 15A
		Ignition Power	16	PURPLE	ATC- Blade	F28 15A
8	Speakers	1000	20	RED/BIK, YELLOW/BIK, GREEN/Wht & BLUE/Wht		
0		High Heat	14	ORANGE	ATC- Blade	F14- 20A
	Lisingle reater— Standard Front or Optional Rear Location	Med Heat	14	YELLOW	ATC- Blade	F16- 20A
		Low Heat	*	RED	ATC- Blade	F15- 20A
(3)	Driver Dome Light		16	ORANGE & WHITE		
0	Driver Dome OEM Tie-In		16	ORANGE & WHITE		
		NOTES	VIES:	STAR	SCHEDULE PAGE 1 of 2	2 50
AC IE S	THE SWARM AND THE PROMON THESTON AND THE COUNTY IS AN SHOWN IN THE CHORN IN CHILD THE CHORN IN T		120 PAINE IS 120 PAINE	3 01V1S101 PATE: 09-3(OWN ST: JT	B FORD 1760 WIRING SCHEDULE	1760 XHEDULE
15 UAS	Design septiment of REPLOSEL. TO DESIGN SEPTIMENT OF THE			OKK BY GAS SAME, NONE	240	SC-13009
Lexans	CHARLES CONTO TO ME.	DESCRIPTION OF CRUICE	ă ă	EXTE ECH No.	1 0	Marachameter Marchameter March

#	DESCRIPTION	DESCRIPTION DETAIL	WIRE GUAGE	WIRE COLOR	FUSE TYP	TYPE FUSE / SIZE
3	Heater Fan OEM Tie-lin	High Fan	18	GREEN		
)		Med Fan	18	YELLOW		
		Low Fan	18	PURPLE		***
8	Stop Request Light		16	YELLOW	ATC Blade	F23-
6	ADA Stop Request Light		16	ORANGE	ATC- Blade	F24- 15A
8	┿		16	WHITE		
8	+-		16	WHITE		
8	+-		16	BUE		
8	+		16	WHITE	A PARTITION AND A PARTITION AN	
<u>(5</u>	Eggress Window Alarm		16	WHITE		
Œ			16	WHITE		
Œ	Flashing Lights		16	GREEN	ATC- Blade	F18- 15A
歷	-	High	16	BLUE	ATC- Blode	F6- 15A
)		Low	16	WHITE	ATC- Blade	F7 15A
8	Starter Interrupt Wires		12	ORANGE		
)			12	YELLOW		
3	Backup Camera	Backup Lights	16	PURPLE		
)		(gnition	16	WHITE	ATC- Blade	F35- 15A
6	Bockup Light Tie-in	Bockup Lights	16	PURPLE		***************************************
18	Power Mirrors	Switched Power	16	WHITE	ATC Blade	
8	Rear Curbside Heater	High Heat	14	ORANGE	ATC- Blade	
)		Med Heat	14	YELLOW	ATC- Blade	F17-
		Low Heat	14	RED	ATC- Blade	F13- 20A
		∄	VIES: 1- ALL WIRE IS 125' RATED TYPE- CXL.		SCHEDU	9
AN THE SECOND SE	AS THE EXCELLENG PROTECTION OF THE STREAMON THE STREAMON THE STREAMON THE STREAMON THE STREAMON THE STREAMON THE STREAM THE STREAMON THE STREAM	ATTENDED TO THE PARTY OF THE PA	i i i de la constanta de la co	OS-50-13 WHY ST. JTB OWE BY GAS	WIR	WIRING SCHEDULE
STORE	THE DESCRIPTION OF THE PROPERTY OF THE PROPERT	DESCRETION OF CHANCE	X-5 As	TATE ECN No.	SCRE NOINE	2 or 2
	COMMUNICATION	With the second	41	╢		

ELECTRICAL DOCUMENTATION WORKSHEET

CHASSIS/MANUFACTURER	_
FORD	

RCT-01760 Mnin Panol

VEHICLE TYPE:		
	BUS	

COMPLETED VEHICLE DESCRIPTION: Sonator 2

MODEL YEAR: 2016

				·						WHINTER B
CIRCUIT#	CIRCUIT	ITEM #	QTY,	WIRE SIZE/COLOR	POWER SOURCE	CALC. AMPS	ACTUAL	TOTAL AMPS	FUSE SIZE/LOCATION	NOTES
1	NIA									
2	N/A					0.50			Gregnd	
3	DOOR CLOSE		1	16Ga, Gray		0,60		0.50	F1 - 10 AMP	
4	DOOR OPEN		1	10Ga. Din		0,59		0.50	F2 • 10 AMP	
5	Como Lt.		ţQ	2-16Ga Yuliew		0.10		1.61	F1 - 15 AMP	
Ģ.	Linu.		3	10Ge Rod		0.17		0.52	F4 - 15 AMP	
7	Slop Honler			14Ga, tim		0,39			₽5 - 16 Alap	
8	Defrast High			10Gu. Blue		2.20	2.2 Al-1P		PG - 15 AMP	
•	Doirest Law			19Clp. Wide		1.30	PAN C. I		17 - 15 AMP	
10	Shill Luckt out			16Gn. White		0.50				**************************************
11	Resistor			10Ga. likuck		0.17		•		
12	Lif English			160e, Groen		0.50			F25 - 4 AJAP	
13	Fast Idia			18Ga, Yallow		0.50	· · ·		F8 - 15 AMP	
14									F9 - 15 AMP	· · · · · · · · · · · · · · · · · · ·
10									F10 - 10 AMP	
ţa	AC Ion.		1	12Gu, Ulack		3.00		3,00	F11 - 10 AMP	
17	Miger Ign.		1	160s Write		5.00		5,00	FIZ - 15 AMP	
10	Rour Door			16Ga, Willo		0.50	··		Graved	
19	Egrass Window	····		16Gs, Ulack		0.50			Ground	
20	Paik Benko		1	18Gs, White		0.60		0.50	Ground	
21	Trens, Park			18Gs, Witto		0.50			Ground	
22	Lift Door		1	100ន, នូនា		0,50		Ų, 5 Ö	Ground	
23	Rear Cumpt.			16Grt. Purpte		0.11			F13 - IS AMP	
24	15K Rear Heat	≻≨gh		I2Gn Orange	351/4.6A	0.00		4,90	112-12140	
25	35K Roof Heat	H≇gh		12Ga Rad	551/4,9A	8,00		7134	F15+20 AMP	
28	35K 2nd Reat	išph		120a Orango	506/8A 35//4,9A	6,60			F10 - 20 AMP	
27	Hoat 60K 2nd Roar	High		12Go, Rosi	150k/8A 35k/4,9A	8.00			F17 - 20 AMP	
28	Høst Flasbor			10Ga Greon	60W8A	1.44			F18 - 16 (Mil)	
29	Cloarunco LL		1	19tin. Om		0.50		6,50	OEM IP F22 - 15 AMP	
30	Sland jo Uraka U. Skand		1	10Ga, Flad		0.50		0.50	OEM F30 - 10 AMP	
31	Ing. Signal In		1	100a, Buio		0,50		0,50	OEM F13 - 40 AMP	
32	Radio htg.		1	16Ga, Wille		9,60	-	5,00	\$20 • 15 AMP	
23	Vidgo Ing.		•	16Gs, Red		10.00		5,00	F27 - 16 AMP	
34	Destrotion			16Ga, Purpio		5.08				
35	Blgo Reland Floor		ī						#20 - 15 AMP	
30	Top Maker		10	100a, Purple		0.40		0.40	F20 - 15 AMP	
37	Lts. Bonster Pump			16Ga, Brown		0.15		1,50	F21 - 15 AMP	
39	Conter Braka			16Gn Yulluy	<u> </u>	7.00			PZZ - 16 AMP	
20	AUA Stop		- 1	16Ga, Red		0.35		0.19	P23 - 15 AMP	
40	Request Step Request		2	100s White		0 25		0,50	Graund	
	ADA Sidi)		2	10Gu, Black	<u> </u>	0.25		0.50	Glooni	**************************************
41	teguest Lt. Stap Honsest		!	16 Gp Yollow		0.70		0.79	F23 - 15 AMP	
42	<u></u>		1	19Ga, Olongo		1.74		τ,74	F24 - 15 ANAP	
43	Rindlo Balt.		1	18Gn. Rod		5.00		5.00	944 OI - 0£9	
44	Step Lis.		3	160a. Red		0.33		1.00	F31 - 15 AMP	
45	Electric Daor Ground Hore	its are a	1	120a, White		20.00	18 AMP	20.00	F32 - 25 AMP	
46	Опил	47, 48 & 40		16Ga Blun		0.60				
47	Stattor Input			12Gu, Orango		0.30				
48										
49	Startor autput			12Ga. Yellow						Terminal 52 TriRU 55 optional typ outputs
50	Shift Lac#2 in			16Gn. White		0.50				Toménai SG TERU 58 optional Ball. Outpots

ELECTRICAL DOCUMENTATION WORKSHEET CHASSIS/MANUFACTURER VEHICLE TYPE: BUS FORD RCT-01760 Main Panel COMPLETED VEHICLE DESCRIPTION: MODEL YEAR: 2015 Sonator 2 POWER SOURCE ACTUAL CIRCUIT ITEMS WIRE CALC. TOTAL AMPS NOTES CIRCUIT # ITEM# QTY. FUSE SIZER OCATION SIZE/COLOR 51 52 5,14 โสโลกาเอโรง 0.14 \$3 16 ga Purpia 0.50 How index 54 Madeia Dones 0,36 16ga, Orango 2 tidational LEO lights 55 2 50 52,00 20a Rod AC 57 Lift 47.00 4 ga.Rod 58 22.00 TELMA Rod 22.00 ŧ OEM LONGS IOGu. OEM Toll Lis, Circuit 186s. Bm 0.07 0.56 OEM 87 F22 - 15 AMP 9 Violet/white MEGO Biske Lla, 10Go. Blue 0.30 OEM P30 - 10 AMP 1.44 Violetiyalije t(Ca. 0,62 OEM #28 - 20 AMP OEM Back Up Lis. 2 0.20 10Cb. BlueWhite Putp¹9 OEM Park timks tóta. Vaitu 0.50 0.50 Gracial 18Gu. оем Trens, Park 0,50 U.50 Grand Greydyrovin 140a 0.50 0.68 OEM F12 - 40 AMP OEM lag, Yuliowioranem 16Go, Purpio OEM Rear Heat 2 0.25 0,50 Greund 18Gg, Gréen OEM Dome Light 10Ge. Greyiviolet 0.13 0.11 ORM #25 - 10 AMP OEM Fuse F-5 10 step MSO Tom Lights 0.12 EA, SIDE 0.47 10(8) G109() 183,68 Total with heater, AC and fit unaden overything on. TOTAL -> OTHER: e conque Mary State World Stendard AC 52.00 2 6Gs, Rod 52.00 SUR 85 Key Oll to AMP Moba 0.10 ,10 Ma 100 Wheel Gitair Fuso LOADS 2Gu, Ruif 47.00 47,00 70 MAP Braker 1 AC/Dome Lt/ LiftDoor



FMVSS/CMVSS Compliance Summary 2018

Commercial and MFSAB

The following i	nformation summarizes the C/FMVSS standards and the Com	opliance Action taken by Startrans Bus
C/FMVSS No.	Standard Description	Compliance Action
101		Startrans does not alter the QEM controls or displays. Any aftermarket seats and/or controls or displays subject to the standard meet this standard.
102	Transmission Shift Lever Sequence, Starter Interlock & Transmission Braking Effect	Compliance is deferred to the chassis menulacturer.
103	Windshield Defrosting & Defogging Systems	Compliance is deferred to the chassis manufacturer.
104	Windshield Wiping & Washing Systems	Compliance is deferred to the chassis manufacturer,
105	Hydraulic Brake Systems	Test data kept on file for vehicles that have had the wheelbase extended, or have had other system modifications. For unmodified vehicles, compliance is deferred to the chassis manufacturer.
106	Brake Hoses	Vehicles with wheelbase modifications have additional lines installed by chassis modifiers using OEM components. Other vehicles that have had system modifications use OEM or OEM-approved components and are tested for compliance. For Non-stretched vehicles compliance is deferred to the chassis manufacturer.
108	Lamps, Reflective Devices & Associated Equipment	Startrans does not aller OEM lighting. Additional lighting to include brake, turn, clearance, auxilary and reverse lamps meet standard. Data on file.
108.1	Alternative Requirements for Headlamps	Startrans does not alter OEM lighting. Compliance is deferred to the chassis manufacturer.
110	Tire Selection and Rim for Motor Vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less	Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.
111	Rear View Mirrors	All aftermarket mirrors installed by Startrans meet this standard and DOT regulations.
112	Headlamp Concealment Davices	Startrans does not manufacture vehicles with headlamp concealment devices.
113	Hood latch systems	Compliance is deferred to the chassis manufacturer.
114	Theft Protection	Compliance is deferred to the chassis manufacturer.
115	Vehicle Identification Number	Compliance is deferred to the chassis manufacturer.
116	Hydraulic Brake Fluids	Startrans does not alter brake systems. Vehicles with modified wheelbases have additional fluid added by chassis modifiers using OEM instruction and materials. All other system modifications utilize only OEM-approved fluid. For unmodified vehicles, compliance is deferred to the chassis manufacturer.
118	Power Operated Window, Partition, and Roof Panel Systems	Compliance is deferred to the chassis manufacturer.
120	Tire Selection and Rim for Motor Vehicles with a GVWR of 4,536kg (10,000 fbs.) or More	Compliance is deferred to the chassis manufacturer.
121	Air Brake Systems	Vehicles with wheelbase modifications have additional lines installed by chassis modifiers using OEM components. Other vehicles that have had system modifications use OEM or OEM-approved components and are tested for compliance. For unmodified vehicles, compliance is deferred to the chassis manufacturer.
124	Accelerator Control Systems	Startrans does not alter the OEM accelerator system, with the exception of the addition of aftermarket fast idle systems on some vehicles. These systems meet this standard when installed in accordance with instructions.
125	Warning Devices	All vehicles manufactured by Startrans that are equipped with aftermarket (3) triangle kit meet this standard.
131	School Bus Pedestrian Safety Devicos	All vehicles manufactured by Startrans are not completed to be used as school buses.
135	Light Vehicle Brake System with a GVWR of 3,500kg (7,716lbs.) or Less	Startrans does not manufacture vehicles with a GVWR of 3,500kg (7,716 lbs.) or Less.
201	Occupant Protection in Interior Impact	Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.
202	Head Restraints	Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.



FMVSS/CMVSS Compliance Summary 2018

Commercial and MFSAB

The following I	ing Information summarizes the C/FMVSS standards and the Compliance Action taken by Startrans Bus							
203	Impact Protection for the Driver from the Steering Control System	Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.						
204	Steering Control Rearward Displacement	Compliance is deferred to the chassis manufacturer.						
205	Glazing Materials	No modifications are made to the OEM Glazing materials. Additional glazing materials meet the standard, Data on file.						
206	Door Locks and Door Relention Devices	Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.						
207	Seating System	All seating installed by Startrans meets this standard. Test data on file.						
208	Occupant Crash Protection	No alterations are made to the OEM seat belts, air bag systems or associated hardware. Any seat belt systems added meet the standard. Test date on file.						
209	Seat Belt Assemblies	No alterations are made to the OEM seat belts or associated hardware. Any seat belt systems added meet the standard. Test data on file.						
210	Seat Belt Assembly Anchorage	No alterations are made to the OEM seat belts or associated hardware. Seat belt systems and their installation meet the standard. Test data on file.						
210.1	User-ready Tether Anchorages for Restraint System	No alterations are made to the OEM seat belts or associated hardware. Seat belt systems and their installation meet the standard. Data on file.						
210,2	Lower Universal Anchorage Systems for Restraint Systems and Booster Cushions	No efferations are made to the OEM seat belts or associated hardware. Seat belt systems and their installation meet the standard. Data on file.						
212	Windshield Mounting	Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 fbs.) or Less.						
213	Child Restraint Systems	Vehicles manufactured by Startrans, that are subject to this standard, have seating installed that meets this standard. Test data on file.						
213.4	Built-in Child Restraint Systems and Built-in Booster Cushlons	Vehicles manufactured by Startrans, that are subject to this standard, have seating installed that meets this standard. Test data on file.						
214	Side Impact Protection with a GVWR of 4,536kg (10,000 lbs.) or Less	Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.						
216	Roof Crush Resistance	Startrans does not manufacture vehicles with a GVWR of 2,722kg (6,000 lbs.) or Less.						
217	Bus Window Retention and Release	No modifications are made to the OEM windows. Additional windows meet the standard. Test data on file.						
219	Windshield Zone Intrusion	Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.						
220	School Bus Rollover Testing	All vehicles manufactured by Startrans meet this standard. Test data on file						
221	School Bus Body Joint Strength	All vehicles manufactured by StarTrans are not completed to be used as school buses, however, StarTrans does test vehicles to meet standard.						
222	School Bus Passenger Seating and Crash Protection	All MFSAB vehicles manufactured by Startrans meet this standard. Test data on file						
225	Child Restraint Anchorage Systems	Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or i.ess.						
301	Fuel System Integrity	Compliance is deferred to the chassis manufacturer.						
301.1	LPG Fuel System Integrily	Compliance is deferred to the chassis manufacturer.						
301.2	CNG Fuel System Integrity	Compliance is deferred to the chassis manufacturer.						



FMVSS/CMVSS Compliance Summary 2018

Commercial and MFSAB

The following	The following information summarizes the C/FMVSS standards and the Compilance Action taken by Startrans Bus								
302	Flammability of Interior Materials	Materials installed in the interior of Startrans products meet the standard. Test data on file.							
303	Fuel System Integrity of Compressed Natural Gas Systems	as Systems Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.							
304	Compressed Natural Gas Fuel Container Integrity	Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.							
305	Electrolyte Spillage and Electrical Shock Protection	Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or t.ess.							
403	Platform Lift Systam for Motor Vehicles	Startrans does not after the platform lift system. Startrans install lift system in strict compliance with the manufacturers installation instructions. Startrans meets strength requirements. Test data on file.							
404	Platform Lift Installation on Motor Vehicles	Compliance is deferred to the lift manufacturer.							
1106	Nolse Emissions	Startrans does not alter the OEM Chassis in the area which is stated in the incomplete vehicle documents. Data on file.							

Signed:	Dello	Dale:_	1/22/2018
Tille'	Compliance Mander		



Certificate of Registration

This is to certify the Quality Management System of:

FOREST RIVER MANUFACTURING, LLC

Division 5

Location Addresses:

Starcraft Bus: Commercial 2367 Century Drive Goshen, IN 46528

Starcraft Bus: School Bus 2408 Century Drive Goshen, IN 46528

StarTrans Bus 2367 Century Drive Goshen, IN 46528

has been assessed and found to be in compliance with the requirements of

ISO 9001:2008

for the following scope:

Design, Manufacturing, Sales, and Administration of Commercial, Government and School Busses

Certificate Number: SARA-2006-CA-0031-B

Originally Registered:

Latest Issue:

February 28, 2006 October 14, 2016

Expiry Date:

January 25, 2018

President, SARA Registrar







This registration is subject to the company maintaining its system to the required standard which will be monitored by SARA Registrar. This certificate remains the property of Standards American Registrations Authority (SARA Registrar) and shall be returned immediately upon request SARA Registrar Headquartets. 1807D Santa Rita Road. #175, Phenominal CA 94566.



U.S. Department Of Transportation Federal Transit Administration

Headquarters

East Building, 5th Floor – TCR 1200 New Jersey Avenue, SE Washington, DC 20590

September 22, 2017

Donall Hasty DBE Liaison Officer Starcraft Bus/StarTrans Bus 2367 Century Drive Goshen, IN 46525

Re: TVM DBE Goal Concurrence/Certification Letter - Fiscal Year 2018

Dear Mr. Hasty:

This letter is to inform you that the Federal Transit Administration's (FTA) Office of Civil Rights has received Starcraft Bus/StarTrans Bus's Disadvantaged Business Enterprise (DBE) goal and methodology for FY 2018 for the period of October 1, 2017–September 30, 2018. This goal submission is required by the U.S. Department of Transportation's DBE regulations at 49 CFR Part 26 and must be implemented in good faith.

We have reviewed your FY 2018 DBE goal and determined that it is compliant with DOT's DBE regulations. You are eligible to bid on FTA-funded transit contracts. This letter or a copy of the TVM listing on FTA's website may be used to demonstrate your compliance with DBE requirements when bidding on federally funded vehicle procurements.

FTA reserves the right to remove/suspend this concurrence if your DBE program or FY 2018 DBE goal is not implemented in good faith. In accordance with this good faith requirement, you must submit your DBE Uniform Report to FTA by December 1, 2017. This report should reflect all FTA-funded contracting activity for the second period of FY 2017 (i.e., from April 1 to September 30).

Please also be mindful that your FY 2019 DBE goal methodology must be submitted to FTA by August 1, 2018. Any updates to the program plan must be submitted to FTA as they occur. Thank you for your cooperation. If you have any questions regarding this approval, please contact the FTA DBE Team via e-mail at FTATVMSubmissions@dot.gov.

Sincerely,

John Da√

Program Manager for Policy and Technical Assistance Office of Civil Rights



Ford Motor Company

Is proud to recognize

as a participant in the

Transit Bus

Qualified Vehicle Modifier Program



Richard D. Cupka – SVE Quality Programs Mgr.

June, 2016

VEHICLE TEST REPORT FMVSS/CMVSS 220 SCHOOL BUS ROLLOVER PROTECTION TEST

TEST VEHICLE

STARCRAFT TRANSIT BUS FORD ECONOLINE E-450 CUTAWAY

> TEST DATE NOVEMBER 6, 2001

TEST PERFORMED FOR:

STARCRAFT BUS
A DIVISION OF FOREST RIVER INC.
2703 COLLEGE AVENUE
GOSHEN, IN 46528
(219) 533-1105

TEST CONDUCTED BY

STARCRAFT BUS ENGINEERING AND R & D STAFF INCONJUNCTION WITH PYRAMID1, INC.

PYRAMID1, INC. 19590 C.R. 40 GOSHEN, INDIANA 46526 (574) 537-8033

COMPLIANCE STATEMENT

This vehicle has been tested in accordance with the requirements of the following regulations: Federal Vehicle Safety Standard number 220, as published in the Code of Federal Regulations (CFR) 49, part 571, section 220, revised as of October 1, 1999. Canada Motor Vehicle Safety Standard number 220, as published in the Consolidation of the Motor Vehicle Safety Regulations, revised as of May 27, 1998.

SUMMARY OF RESULTS

ROOF AND BODY STRUCTURE: The roof and body structure of this vehicle meet the requirements of the aforementioned standards.

<u>EXIT OPERATION:</u> All doors, windows, and emergency exits were verified functional, prior to roof load application, under full load, and after test load was removed as required by the aforementioned standards.

APPROVALS

APPROVED BY:

MR. JEFF DENNEY
DIRECTOR OF PRODUCT DEVELOPMENT
AND MANUFACTURING ENGINEERING

APPROVED BY:

MR. JON SMITH P.E CONSULTING ENGINEER

and the continues of th



Manufacturing, LLC - Division 5

QM 422

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Rev. H

QUALITY MANUAL

eviewed By Management Representative:	
	Date
•	
pproved By General Manager:	

Revision History

Rev Number	Rev Description	Effective Date
Α	Initial Release,	9/27/2005
В	Listed 7.5.2 in the Exclusions Area	12/6/2005
С	Changed SP852-01 to incorporate all CAR functions	3/12/2007
ם	Updated to ISO 9001:2008, changes are made in Italics	3/19/2010
E	Incorporated Federal Coach	2/17/2011
F	Identified two separate locations to illustrate ISO 9001:2008 scope	5/31/2011
O	Removed Federal Coach	2/12/2013
Н	Incorporated Forest River Manufacturing, LLC-Division 5 Into System	10/17/2014

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Introduction

This Quality Policy Manual defines the policies of the organization. This Quality Policy Manual will be adhered to in the organization. It is designed to be used as a basic document that describes and references, in broad terms, the control systems, standard procedures, and forms that will be used to ensure that all customer requirements are met and that organization's quality standards are maintained.

Implementation of the policies defined herein is by means of standard procedures that define the responsibilities and essential controls that must be exercised in order to carry out the various activities during the course of completing a contract or order. Procedures, forms, and flow charts document how tasks are performed in order to assure final product quality.

The systems and standard procedures referenced in this Quality Policy Manual are designed to target the requirements of the ANSI/ISO/ASQ Q9001-2008 standard.

It is mandatory that all personnel at the organization adhere to the procedures and organizational controls described in this Quality Manual.

Statement of Authority

The organization General Manager establishes the Quality Policy and approves the Quality Management System.

The Management Representative of the organization is authorized to document, implement, and maintain the Quality Management System described in this manual. The Management Representative communicates quality goals to the organization and facilitates discussion of the Quality Management System with senior management via Management Reviews.

Organization Background

The organization is committed to continuously improving its quality management practices to improve product quality, to enhance customer satisfaction, and to maintain and build market share. To achieve our quality objectives, we have implemented a Quality Management System (QMS) based on the ISO 9001:2008 International Standard.

Quality Manual Issue and Revision

The Management Representative is responsible for the issue and revision of the Quality Policy Manual.

The Quality Policy Manual is reviewed periodically to ensure its conformance to current international standards as well as customer, division, and organization requirements.

A revision number indicates a revision to the Quality Manual, with each revision canceling and replacing the previous issue. The revision letter and date shown on each page indicate the current status of this manual. The Management Representative and General Manager approve all revisions.



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Term

1 CI III	wicaning
Buyer	is a representative of the organization purchasing function that processes Material Requisitions, generates Purchase Orders, and places orders with vendors. The Buyer monitors vendor performance and works with Requestors and Vendors to address Vendor Corrective Action Requests. Vendors are evaluated and controlled according to requirements of the organization Purchasing Department.
Corrective Action Request (CAR)	is used to document, control and correct nonconformities within the division or organization.
Customer	is the organization or person that receives a product or service.
Date (Last Update)	is a field is within the document header that indicates the date of the document revision, i.e. the date when the format and/or content of the document was last changed/updated.
Department Managers	are responsible for operations and performance of processes.
Division 5	is the part of the organization that is controlled by ISO which encompasses both Starcraft Bus and StarTrans Bus.
Documents	in ISO 9001 usage, generally consist of permanent documentation describing or defining systems, processes, procedures, and products. Examples include product specification and Quality Manuals.
Facility Coordinator	maintains the tracking of all properties.
General Manager	is responsible for the overall operations of the division.
Human Resources	personnel support employees by administering compensation and benefit packages, as well as policies that promote individual and corporate growth.
Infrastructure	is the set of facilities, which may be under the control of the customer or the corporation.
ISO	is the International Organization for Standardization, a worldwide federation of national standards bodies formed in 1947.
ISO Coordinator	is the organization employee who has been assigned to support and maintain the organization ISO processes. The duties include, but are not limited to; coordination, submission and tracking of ISO documents, maintaining storage of ISO records.
IT Personnel	administer policies that protect and preserve administrative and corporate information and computing resources in accordance with the organization corporate policy.



<u>Term</u>

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Quality Manual

Meaning

Management Representative	is authorized to document, implement, and maintain the Quality Management System described in this manual. The Management Representative communicates quality goals to the organization and facilitates discussion of the Quality Management System with senior management via Management Reviews.
Management Review	is the review of the quality system by management to ensure the quality system remains suitable and effective.
Manufacturing	is a set of processes that transform requirements into specified characteristics or into the specifications of a product process or system.
Nonconformity	is the non-fulfillment of a requirement.
President	is responsible for the overall operations for multiple divisions.
Preventive Action	is the action taken to eliminate the cause of a potential nonconformity or other undesirable situation.
Process	is the set of interrelated or interacting activities that transforms inputs into outputs.
Process Control	is the identification of and action on all identified factors affecting process variability, proper maintenance of equipment, use of statistical process control methods, and degree of adherence to valid work instructions.
Process Owner(s)	are personnel responsible for the development and maintenance of Procedures and Work Instructions.
Product Designer	performs product design, development, trial activities, and other assignments as directed by Manager.
Purchasing	is responsible for material purchase and vendor selection.
Quality	is the degree to which a set of inherent characteristics fulfills requirements.
Quality Assurance	is responsible for the QA.
Quality Audit	is the systematic, independent, and documented process for obtaining audit evidence and evaluating it objectively to determine the extent to which agreed criteria are fulfilled.
Quality Management	is the coordinated activities to direct and control an organization with regard to quality. Direction and control with regard to quality generally includes establishment of the quality policy, quality objectives, quality planning, quality control, quality assurance, and quality improvement.
Quality Management System	is a set of interrelated or interacting processes with regard to quality. It generally includes establishment of the quality policy, quality objectives, quality planning, quality control, quality assurance, and quality improvement.
Quality Manual	is the document specifying the Quality Management System of an

organization.



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Term Meaning Quality Policy..... represents the overall intentions and direction of an organization, with respect to quality, as formally expressed by senior management. are the documents providing current and historical evidence of activities Records.... conducted. Examples include inspection and test records, records confirming traceability, evidence of certification, and/or preventive and corrective action. Electronic data are acceptable as a record. Retention..... refers to documentation that is retained by the appropriate program for an indefinite period. Upon completion of the program, this documentation may be archived or destroyed. In many cases, this documentation reflects the history of the program. is a field located within the ISO document header that indicates the version Revision.... of the document. The revision will be changed to the next sequential letter whenever the format or content of the document is changed. In addition, the date field will be updated to indicate the date of the revision. is the application of statistical techniques to the control of processes. Statistical Process Control....... Supervisor..... is a organization employee who has been assigned to manage a specific area or department. Supplier..... is the organization or person that provides a product. Technician.... performs technical activities consisting of, but not limited to, fabrication, assembly, and testing as assigned by the Supervisor and/or Dept. Manager in order to meet program requirements. Traceability..... is the ability to trace the history, application, location or compliance of that which is under consideration. is the result of teaching and learning, so as to be fitted, qualified, or Training..... proficient in a specific task. Work Environment..... is the set of conditions under which work is performed. Conditions include physical, social, psychological, and environmental factors such as temperature, recognition schemes, and ergonomics.



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Purpose是可能是是一种特殊的。

The purpose of this Quality Manual is to ensure the organization's commitment towards maintaining an internationally recognized Quality Management System and to provide a concise reference to reflect the current operating practice.

Quality System Registration

The organization is implementing and maintaining a Quality Management System as stated below:

Reference Standard	Exclusion
ISO 9001:2008	Section 7.5.2

Starcraft Bus Quality Policy

"Starcraft Bus is committed to being the leader in the small and mid-size bus market by meeting or exceeding customer requirements and providing continuous improvement."

StarTrans Bus Quality Policy

"StarTrans Bus is committed to continuous improvement of quality, service and safety through a partnership of customer and employee communication and innovation."



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Scope

The organization, located in Indiana has developed this Quality Manual, associated procedures, work instructions and forms, using the ISO 9001:2008 Standard. The Quality Manual is to be used to ensure that the services provided and the products developed by the organization meet customer requirements and regulatory statutes.

Rigorous application of the organization's Quality System will ensure that customer and statutory requirements are met fully and that the processes utilized will be continually improved.

1. Application

The organization will apply the ISO 9001:2008 standards to all services provided and products developed.

2. Normative Reference

The organization will enforce all latest published ISO 9001:2008 standards.

3. Quality Management System

3.1 General Requirements

The organization has established a documented and implemented Quality Management System and shall continually to improve its effectiveness in accordance with the ISO 9001 requirements.

The organization has completed the following:

- Identified the processes needed and determined the sequences and interaction of the processes necessary for the operation of the business through the overall business process.
- Determined the criteria and methods required through the Quality Manual, processes, work instructions, and other support documents relevant to the related quality processes to ensure the effectiveness of the operation of these processes.
- Ensured all employees are complying with all ISO requirements and are dedicated to continually improving the effectiveness of the Quality System.
- Allocated its resources, including manpower, facilities, and support documentation
 in terms of forms and reports in order to support, measure, monitor, and analyze
 these processes to ensure that the implementation is geared towards achieving
 planned results and continual improvement.
- The organization has identified the processes needed, interface, interaction, and sequences (INPUT and OUTPUT of processes) necessary for the operation of the business as a process model shown on page 11.



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Monitor, measure (where applicable), and analyze these processes.

Where Forest River – Division 5 chooses to outsource any process that affects product conformity to requirements, Forest River – Division 5 ensures control over such processes. The type and extent of control to be applied to these outsourced processes are defined within the quality management system.

Processes needed for the quality management system referred to above include processes for management activities, provision of resources, product realization, and measurement, analysis, and improvement.

An outsourced process is identified as one being needed for the *Forest River – Division 5* quality management system, but chosen to be performed by a party external to the organization.

Ensuring control over outsourced processes does not absolve *Forest River - Division 5* of the responsibility of conformity to all Customer, statutory, and regulatory requirements. The type and extent of control to be applied to the outsourced process can be influenced by factors such as

- the potential impact of the outsourced process on the Forest River Division 5 capability to provide product that conforms to requirements,
- · the degree to which the control for the process is shared;
- the capability of achieving the necessary control through the application of SP 74-xx (Referred in section 7.4)

Outsourcing a process to another organization typically involves the purchase of those services; as a result, compliance with Purchasing, including the controls mentioned in section 7.4 apply equally to the supplier selected to perform the outsourced process.



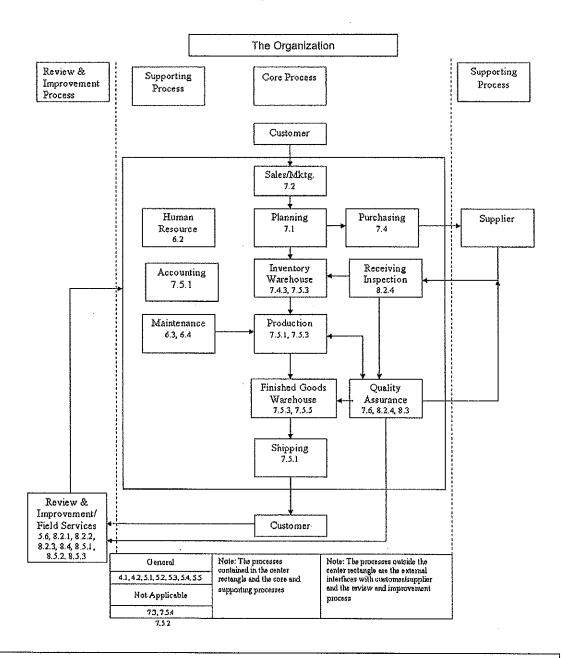
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Figure 1A: Business Process Model

INTERFACE AND INTERACTION BETWEEN PROCESSES



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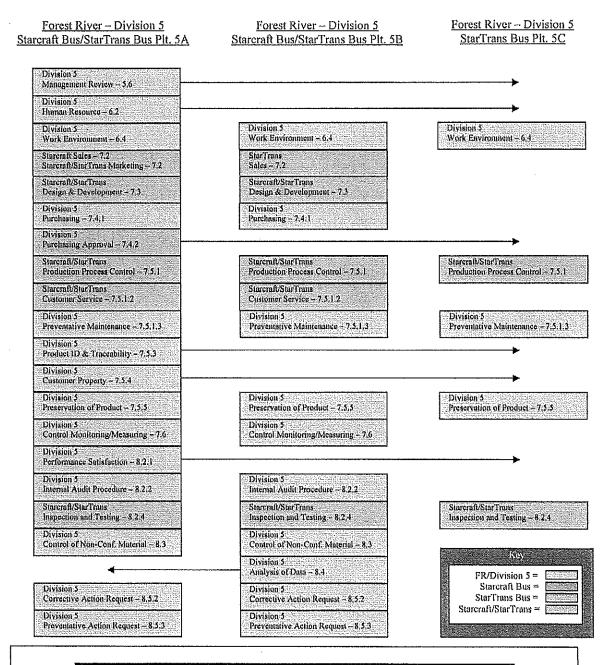
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Figure 1B: Scope of Locations

INTERFACE AND INTERACTIONS BETWEEN LOCATIONS



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Documentation Requirements

The Quality Management System, which is based on the business process, is documented in a four-level structure, as shown in Figure 2.

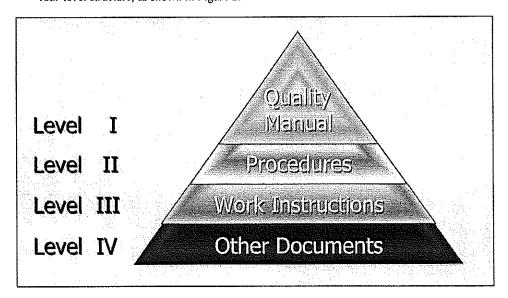


Figure 2: Structure of Quality Management System

Level I: Quality Manual:

This document provides an overview of the Quality Management System and contains the Quality Policy. It also states the operational policies that form the basic principles of the organization's operations. This manual makes reference to the Quality Objectives and working procedures of the system.

Level II: Procedures:

Procedures describe operational practices, responsible personnel, and interfaces between the various departments and functions. It includes the documented procedures required by ISO 9001 and any other documents needed to ensure effective control of operations.

Level III: Work Instructions:

Work Instructions delineate the details of specific tasks or activities, i.e., the "how" of performing a specific task and creating or verifying a product.

Level IV: Other Documents:

Other documents include forms, tags, labels, and other documentation that prompts the recording of substantiation (per Levels I, II, and III) of compliance to requirements.

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4.2.1 General

The organization's documented Quality Management System includes:

- A documented Quality Policy, as well as specific measurable Quality Objectives for customer satisfaction and product quality;
- A Quality Manual;
- Documented procedures, including those required by the ISO 9001:2008 standard: Control of Documents, Control of Records, Internal Audit, Control of Nonconforming Product, Corrective Action and Preventive Action;
- Documents required by the organization to ensure an effective planning operation and control of its processes; and
- Quality records required by ISO 9001:2008.

4.2.2 Quality Manual

The organization has established and maintains a Quality Manual that includes:

- The scope of its QMS, including details and justification of any exclusions;
- The documented procedures established for the QMS, or references thereto; and
- A description of the interaction between the processes of the OMS in the way of an overview process flowchart (see Figure 1)

Reference:

Quality Manual QM 422

4.2.3 Control of Documents

Processes are maintained to ensure that documents related to the Quality Management System are properly controlled. The documents include the Quality Manual, procedures, forms, work instructions, reports, and specifications.

These documents are drafted by process owners in coordination with the ISO Coordinator, reviewed by experts in the functional areas, and approved prior to issue. Procedures are reviewed periodically for continued applicability and updated as necessary to reflect current practices. When changes are made to these documents, the ISO Coordinator ensures that the document revision status is clearly identified on the documents.

The ISO Coordinator shall ensure that all documents are legible, and readily retrievable.

Forest River - Division 5 ensures that documents of external origin determined to be necessary for the planning and operation of the quality management system are identified and their distribution controlled.



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Reference

Document Control Process
SP 423-01

4.2.4 Control of Quality Records

The organization maintains a documented procedure for identification, storage, protection, retrieval, retention, and disposition of quality records. These records are maintained for effective operation, traceability, and to demonstrate compliance to its Quality Management System. The records are kept as printed copies (i.e., "hardcopy") and/or in electronic form (i.e., "softcopy").

Records are maintained and controlled.

Records established to provide evidence of conformity to requirements and of the effective operation of the quality management system are controlled.

Records are to remain legible, readily identifiable and retrievable.

Reference:

Control of Quality Records SP 424-01

5. Management Responsibility

5.1 Management Commitment

Demonstrating commitment to the development and continual improvement of the Quality Management System is the responsibility of the Senior Management team of the organization.

- Has established a quality policy to communicate to all employees the importance of applying the ISO standards to meet customer requirements;
- Has defined quality objectives to assess the effectiveness of the Quality Management System to provide direction and achieve desired results;
- Conducts periodic management reviews to ensure that the quality policy and
 objectives remain relevant and suitable with respect to current operation of the
 organization and that the resources needed to support these objectives are sufficient
 and appropriately allocated; and
- Ensures that customer, statutory and regulatory requirements are determined, fulfilled and communicated.

Reference:

Organizational Chart FORM 51-01-01



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5,2 Customer Focus

Top Management will demonstrate active involvement in establishing and maintaining mutually beneficial relationships between the organization and its customers. The organization will establish and maintain procedure(s) for communicating with selected customers.

5.3 The Quality Policy

Quality Policy Statements:

"Starcraft Bus is committed to being the leader in the small and mid-size bus market by meeting or exceeding customer requirements and providing continuous improvement."

"StarTrans Bus is committed to continuous improvement of quality, service and safety through a partnership of customer and employee communication and innovation."

5.4 Planning

The organization shall plan and develop the processes needed for product realization. The planning of the product realization processes shall be consistent with the Quality Management System.

5.4.1 Quality Objectives

The organization has established Quality Objectives as stated on Form 541-01. The Management Representative maintains these Quality Objectives in coordination with Senior Management and Department Managers. The Quality Objectives are reviewed, measured, and analyzed during Management Reviews, Project Review, and at other times as applicable.

In order to achieve the Quality Objectives, the organization shall:

- Implement and maintain a Quality Management System in accordance with ISO 9001:2008.
- Strive toward continual improvement in its operations and ensure that such improvements are identified and communicated effectively.

Ensure all employees are complying with the Quality Management System and are dedicated to continually improving the effectiveness of the Quality System. In order to gauge the effectiveness of the Quality Management System, the organization Senior Management shall:

- Ensure that the Quality Policy and Objectives are communicated to and understood by the employees.
- Periodically review the performance indicators and the Quality Objectives with department managers and quality steering committee, and determine corrective action plans to remedy any deficiencies.



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5.4.2 Quality Management System Planning

Senior Management ensures that the planning of the Quality Management System is accomplished to meet the Quality Objectives. Planning of the Quality Management System is carried out at appropriate stages of the product realization process.

Reference:

Form 541-01 Quality Objectives

5.5 Responsibility, Authority, and Communication

5.5.1 Responsibility and Authority

The responsibility, authority, and the interrelation of all functions related to the business process are defined and communicated to all employees.

Management Representative

- The Management Representative reports to President or General Manager on the performance of the Quality Management System and the needs for improvement.
- Ensuring the promotion of awareness of customer and ISO requirements throughout the organization.

5.5.2 Internal Communication

Senior Management has determined the channels and processes necessary to facilitate internal communication for effective implementation of the Quality Management System.

Organizational goals and customer expectations are conveyed through policy and objective statements. Periodic meetings are held with the President, General Manager, Department Managers, Supervisors and relevant personnel to discuss the latest issues relating to operation. Results of discussion, testing, and inspection are channeled to the appropriate personnel through reports, records, and meeting minutes as necessary. Other information is conveyed through memos and verbal conversation.

5.6 Management Review

5.6.1 General

Management shall review the effectiveness and suitability of the Quality Management System at least semi-annually against the quality policy and objectives and ISO 9001 requirements. The ISO Coordinator will maintain all records of this review.

5.6.2 Review Input

The review shall cover the following inputs:

Progress toward achieving the established Quality Objectives,

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- Internal and external audit results;
- Customer feedback;
- Process performance and product conformity;
- · Status of preventive and corrective actions;
- Follow-up actions from previous management reviews;
- Planned changes that could affect the Quality Management System;
- · Opportunities and recommendations for improvement; and
- Need for changes to the Quality Management System, including the Quality Policy and Quality Objectives.

5.6.3 Review Output

Shortcomings in the Quality Management System are being addressed and documented in the Management Review Minutes. Actions and decisions arising from the Management Review shall include:

- Improvement of the effectiveness of the Quality Management System and its processes;
- · Improvement of product related to customer requirements; and,
- · Resource requirements.
- · Action Item List for Departments.

Reference:

Management Review Procedure
SP 56-01

6. Resource Management

6.1 Provision of Resources

In order to implement, maintain, and continually improve the Quality Management System, the organization shall determine and provide the necessary resources, including manpower, infrastructure, and work environment, geared towards fulfilling customer satisfaction.

6.2 Human Resources

Personnel performing work affecting conformity to product requirements shall be competent on the basis of appropriate education, training, skills and experience.

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Conformity to product requirements may be affected directly or indirectly by personnel performing any task within the quality management system.

Forest River – Division 5 determines the necessary competence for personnel performing work affecting conformity to product requirements.

Where applicable, *Forest River - Division 5* provides training or takes other actions to achieve the necessary competence.

6.2.1 General

In order to ensure that personnel performing work affecting product quality are competent, the organization exercises care in recruitment of new employees and are committed to job-related training of existing workers.

6.2.2 Competence, Awareness, and Training

To ensure that job competency is satisfied, new hires are selected based on their qualification and/or experience as required by the position according to the job requirements stated in the Job Description. New hires undergo employee orientation training. Where applicable, on-the job training is given, based on judgment by the Manager.

Employees are provided with the necessary training to equip them with the basic skills to carry out their work effectively. The Managers identify employee training needs. Training is provided through internal and/or external means.

Training Records are maintained by the Quality Department.

Reference:

Human Resources, Competence, Awareness, and Training Process SP 62-01

6.3 Infrastructure

The organization shall identify, provide, and maintain the infrastructure needed to achieve product conformity. This infrastructure includes workspace, associated utilities, process equipment, and supporting services

6.4 Work Environment

The organization shall identify and manage the work environment needed to achieve product conformity.

The term "work environment" relates to conditions under which work is performed including physical, environmental, and other factors (such as noise, temperature, humidity, lighting, or weather).



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7. Product Realization

7.1 Planning of Product Realization

In planning Product Realization, the organization determines the following requirements for the product:

- The need to establish processes, documents, and provide resources specific to the product;
- Required verification, validation, monitoring, inspection, and test activities specific to the product and the criteria for product acceptance; and
- Records needed to provide evidence that the realization processes and resulting product meet requirements.
- Establish processes, and documents, and to provide resources specific to the product
- Verification, validation, monitoring, measurement, inspection and test activities specific
 to the product and the criteria for product acceptance

All Forest River – Division 5 product realization planning occurs in 7.3 Product Development

7.2 Customer-related Processes

7.2.1 Determination of Requirements Related to the Product

The organization shall determine the following requirements relating to product:

- Customer requirements, including those for delivery and post-delivery activities;
- Requirements not stated by the customer, but necessary to meet intended purpose for use of the product;
- Product-related statutory and regulatory requirements; and
- · Organization requirements and policy.

7.2.2 Review of Requirements Related to the Product

Prior to accepting a customer order, a review of the order requirements, such as price, delivery time, terms, and conditions, is conducted.

- Discrepancies arising from the review shall be resolved with the customer, and
- The organization's capability of meeting the defined requirements is established.

When orders are placed through verbal means, the customer requirements are confirmed in writing before acceptance of the order(s).



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When amendments to an order are made, the changes are documented and the relevant documents are modified. The change is conveyed to the related department through revised documents or memos.

7.2.3 Customer Communication

Sales and Office departments are responsible for handling communications with customers relating to inquiries for product information, order processing, order amendment, and customer feedback.

Reference:

Customer Requirements, Communication, and Contract Review Process SP 72-01 Flow Chart of Contract Process FORM 72-01

7.3 Design and Development

The Design and Development Procedure documents methods and practices relevant to design and development activities in order to achieve consistent operation and conformity to customer requirements. The documented procedure defines responsibilities of technical personnel involved in design and ensures effective communication and clarity of procedures across the various programs. The documented procedure consists of:

- Design and Development Planning
- Stages of the design and development process;
- Inputs and outputs associated with each stage;
- Required reviews, verification, and validation activities at appropriate stages to ensure the outputs meet the input requirements; and
- Control of Design and Development Changes.

Project specific plans may be developed and documented to ensure proper control of product design and related activities.

The outputs of design and development is in a form suitable for verification against the design and development input and shall be approved prior to release.

The design output also consider product packaging (when applicable)

Information for production and service provision includes details for the preservation, of product (when applicable)

Reference:

Design and Development Process

SP 73-01

FORM 73-01 Product Development Authorization Form

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FORM 73-02 Product Development Flow Chart

7.4 Purchasing

7.4.1 Purchasing Process

The organization purchasing function is responsible for selecting and purchasing from suppliers who are able to meet specified purchase requirements, such as price, delivery, quality, etc. Vendors are evaluated and controlled according to processes within the organization Purchasing Department.

7.4.2 Purchasing Information

Information needed to support the purchasing activities is captured in a Purchase Order and/or other records that specify the terms and conditions for the intended purchase.

7.4.3 Verification of Purchased Product

Upon delivery of products by suppliers, shipping/receiving personnel ascertain that received products/services are in accordance with specifications and established quality parameters when possible. Final quality verification is performed at the line.

Reference:

Purchasing Process
SP 74-01

7.5 Production and Service Provision

7.5.1 Control of Production and Service Provision

Process control methods used in product realization include:

- Availability of information that describes the product;
- Where necessary, use of work instructions, specifications, and other information/documents;
- Use of suitable machines and equipment;
- Availability and use of monitoring and measuring devices; and
- Implementation of product release, delivery and post-delivery support activities.

Reference:

Process and Control Procedure SP 751-01 Production Control Procedure SP 751-02 Customer Service Procedure

7.5.2 Validation of Processes for Production and Service Provision



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Not applicable. Forest River — Division 5 is able to identify processes for Production and Service Provision prior to release of product via monitoring and measuring.

7.5.3 Identification and Traceability

Where practical, all material and components, except for common parts and consumables, shall be clearly identified to prevent mix-up and unintended use. Material that has been verified against specific quality assurance requirements shall be clearly identified to indicate the status for use.

Identification is applied from received product to in-process and final product.

Forest River – Division 5 identifies the product status with respect to monitoring and measurement requirements throughout product realization.

Where traceability is a requirement, Forest River – Division 5 controls the unique identification of the product and maintains records.

Reference:

Product Identification and Traceability Procedure SP 753-01

7.5.4 Customer Property

The organization shall exercise care with customer property while it is under its control. The organization will identify, verify, and protect customer property provided for use or incorporation into the product. If any customer property is lost, damaged, or otherwise found to be unsuitable for use, this information will be reported immediately to the customer and appropriate records maintained. Action will be taken to reduce further occurrences.

If any customer property is lost, damaged, or otherwise found to be unsuitable for use, *Forest River – Division 5* will report this to the customer and maintain records.

Customer property can include intellectual property and personal data.

Reference

Customer Property Procedure SP 754-01

7.5.5 Preservation of Product

The organization shall ensure that product conformity is maintained throughout the production process until the delivery to its intended destination is completed. Conformance maintenance shall include proper identification, handling, packaging, storage, and protection of the product and the constituent components against loss, damage, and deterioration.

Reference:

Handling, Storage, Packaging, Preservation, and Delivery Procedure

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SP 755-01

7.6 Control of Monitoring and Measuring Devices

The organization shall determine the monitoring and measurement devices (i.e., test equipment) necessary to ensure product conformity and ensure that required test equipment are calibrated and/or certified to ascertain their accuracy. Calibration of test equipment used by the organization is performed externally or internally whose calibration masters can be traced and approved in accordance with national and/or international standards.

Confirmation of the ability of computer software to satisfy the intended application would typically include its verification and configuration management to maintain its suitability for use.

Reference:

Control of Inspection, Measuring, and Test Equipment Procedure SP 76-01

8. Measurement, Analysis, and Improvement

8.1 General

The organization shall plan and implement processes that demonstrate product conformity to the Quality Management System and processes that support continuous improvement of the Quality Management System. These processes include, but are not limited to:

- Monitoring and Measurement of product quality;
- Control of Nonconforming Product; and
- Control of Monitoring and Measuring Devices.
- Control of Monitoring and Measuring Devices. Equipments to demonstrate conformity to product requirements *******SENT NOTE TO ISO ACCEL FOR CLARIFICATION OF THIS INSERTION ON 6/18/10

8.2 Monitoring and Measurement

8.2.1 Customer Satisfaction

The organization considers customer satisfaction as an important performance indicator of the product quality process. The Dealer Satisfaction Survey (FORM 821-01) is carried out on a periodic basis to capture the feedback from the customer. Customer complaints are documented as Customer Corrective Action Requests and attended to at the earliest possible time.

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Monitoring customer perception can include obtaining input from sources such as customer satisfaction surveys, customer data on delivered product quality, user opinion surveys, lost business analysis, compliments, warranty claims, reports.

8.2.2 Internal Audit

A documented procedure describing the responsibility and requirements for planning and conducting audits, reporting of results, and maintenance of records is established. Internal audits are performed at least once a year to gauge the effectiveness of actual work processes against the requirements of ISO 9001.

Audit procedures, defining the audit criteria, scope, frequency, and method, shall be planned according to the complexity of the processes. Personnel outside the audit area will be used to perform the audit. Discrepancies arising from the audit are recorded on audit report forms and action taken as required for resolution.

A documented procedure has been established to define the responsibilities and requirements for planning and conducting audits, establishing records and reporting results.

The managers for the area being audited ensure that any necessary corrections and corrective actions are taken without undue delay to eliminate detected nonconformities and their causes.

Records of the audits and their results are maintained.

Reference:

Internal Auditing Procedure SP 822-01

8.2.3 Monitoring and Measurement of Processes

Suitable methods are applied for monitoring, and where applicable, measurement of the Quality Management System processes, including support processes. These methods shall demonstrate the ability of the processes to achieve planned results. When processes are found to be nonconforming, corrective action shall be taken, as required, to ensure conformity of the process.

When determining suitable methods *Forest River – Division 5* considers the type and extent of monitoring or measurement appropriate to each of its processes in relation to their impact on the conformity to product requirements and on the effectiveness of the quality management system.

8.2.4 Monitoring and Measurement of Product

Managers ensure that proper records are kept to demonstrate the evidence of conformity for the monitoring and measurement carried out. Managers shall ensure that results of such activities, such as inspection/test reports, are recorded as evidence of conformity with the acceptance criteria and authorized by the personnel responsible for release of product.



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Product release without completion of planned arrangement and endorsement of monitoring and measurement activities is not allowed. However, should circumstances arise where urgent release is required, the approval of department head or other authorized personnel and where applicable, customer approval shall be obtained.

Evidence of conformity with the acceptance criteria will be maintained.

Records will indicate the person(s) authorizing release of product for delivery to the customer

The release of product and delivery of service to the customer will not proceed until the planned arrangements have been satisfactorily completed, unless otherwise approved by a relevant authority and, where applicable, by the customer.

Reference

Inspection and Testing Procedure SP 824-01

8.3 Control of Nonconforming Product

Nonconforming product refers to material, equipment and the organization created product that is out of specification. A documented procedure is established for handling nonconforming product to prevent unintended use.

A documented procedure has been established to define the controls and related responsibilities and authorities for dealing with nonconforming product

Where applicable, Forest River - Division 5 will deal with nonconforming product by one or more of the ways as described in the referred procedure

Forest River - Division 5 will take action appropriate to the effects, or potential effects, of the nonconformity when nonconforming product is detected after delivery or use has started.

When nonconforming product is corrected it will be subject to re-verification to demonstrate conformity to the requirements.

Records of the nature of nonconformities and any subsequent actions taken, including concessions obtained, will be maintained.

Reference:

Control of Nonconforming Product Procedure SP 83-01



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8.4 Analysis of Data

Where deemed suitable and useful, data related to the Quality Management System are collected and analyzed to gauge effectiveness and to determine where continual improvement can be made. The data analysis shall include the following areas:

- Customer satisfaction;
- Product conformance to requirements; and
- · Process trends and product characteristics.

Reference:

Analysis of Data Procedure SP 84-01

8.5 Continual Improvement, Corrective Action and Preventive Action

Forest River – Division 5 will take action to eliminate the causes of nonconformities in order to prevent recurrence.

The Initiator assigned will review and verify the effectiveness of the preventive action taken.

8.5.1 Continual Improvement

The monitoring and measurement processes are focused on the key areas listed below:

- Customer satisfaction;
- Internal audit;
- · Processes; and
- · Product.

8.5.2 Corrective Action

Corrective action is taken to prevent recurrence upon detection of nonconformities. A documented procedure is established for corrective action that includes the following activities:

- An investigation will be carried out for nonconformities that warrant corrective action in order to determine the causes;
- Corrective action results will be recorded; and
- Follow-up on the action taken to verify the implemented solution's effectiveness.

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Reference:

Corrective Action Request Procedure SP 852-01 Corrective Action Request

8.5.3 Preventive Action

Preventive action is taken to address potential (not yet happened) nonconformities to prevent occurrence. A documented procedure is established for preventive action that includes the following activities:

- Identify potential nonconformities and their causes;
- Evaluate whether or not there is a need to implement preventive actions;
- · Implement the preventive action;
- · Record the results of the preventive action taken; and
- Verify the effectiveness of the preventive action taken.

Reference:

Preventive Action Procedure SP 853-01

STURAA TEST

7 YEAR

200,000 MILE BUS

from

STARCRAFT BUS, A DIVISION of FOREST RIVER INC.

MODEL ALLSTAR -25

FEBRUARY 2006

PTI-BT-R0518





The Pennsylvania Transportation Institute

201 Research Office Building The Pennsylvania State University University Park, PA 16802 (814) 865-1891

Bus Testing and Research Center

2237 Old Route 220 N. Duncansville, PA 16635

(814) 695-3404

EXECUTIVE SUMMARY

Starcraft Bus, a Division of Forest River Inc. submitted a model Allstar-25, gasoline-powered 17 seat (including the driver) 25-foot bus, for a 7 yr/200,000 mile STURAA test. The odometer reading at the time of delivery was 529.0 miles. Testing started on December 6, 2005 and was completed on February 14, 2006. The Check-In section of the report provides a description of the bus and specifies its major components.

The primary part of the test program is the Structural Durability Test, which also provides the information for the Maintainability and Reliability results. The Structural Durability Test was started on December 14, 2005 and was completed on February 1, 2006.

The interior of the bus is configured with seating for 17 passengers including the driver + 1 wheelchair position. Free floor space will accommodate 10 standing passengers resulting in a potential capacity of 27 persons + 1 wheelchair position. At 150 lbs per person 600 lbs per wheelchair position, this load results in a measured gross vehicle weight of 13,950 lbs. The first segment of the Structural Durability Test was performed with the bus loaded to a GVW of 13,950 lbs. The middle segment was performed at a seated load weight of 12,500 lbs and the final segment was performed at a curb weight of 9,510 lbs. Durability driving resulted in no unscheduled maintenance and failures.

Accessibility, in general, was adequate, components covered in Section 1.3 (Repair and/or Replacement of Selected Subsystems) along with all other components encountered during testing, were found to be readily accessible and no restrictions were noted.

The Reliability section compiles failures that occurred during Structural Durability Testing. Breakdowns are classified according to subsystems. The data in this section are arranged so that those subsystems with more frequent problems are apparent. The problems are also listed by class as defined in Section 2. The test bus encountered no failures during the Structural Durability Test.

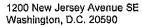
The Safety Test, (a double-lane change, obstacle avoidance test) was safely performed in both right-hand and left-hand directions up to a maximum test speed of 45 mph. The performance of the bus is illustrated by a speed vs. time plot. Acceleration and gradeability test data are provided in Section 4, Performance. The average time to obtain 50 mph was 13.75 seconds.

The Shakedown Test produced a maximum final loaded deflection of 0.224 inches with a permanent set ranging between -0.003 to 0.005 inches under a distributed static load of 10,725 lbs. The Distortion Test was completed with all subsystems, doors and escape mechanisms operating properly. Water leakage observed during the test at the top of the rear door between the door and the door frame.

The test bus was not equipped with any type of tow eyes or tow hooks, therefore, the Static Towing Test was not performed. The Dynamic Towing Test was performed by means of a front-lift tow. The towing interface was accomplished using a hydraulic under-lift wrecker. The bus was towed without incident and no damage resulted from the test. The manufacturer does not recommend towing the bus from the rear; therefore, a rear test was not performed. The Jacking and Hoisting Tests were also performed without incident. The bus was found to be stable on the jack stands, and the minimum jacking clearance observed with a tire deflated was 8.8 inches.

A Fuel Economy Test was run on simulated central business district, arterial, and commuter courses. The results were 6.39 mpg, 6.90 mpg, and 10.17 mpg respectively; with an overall average of 7.32 mpg.

A series of Interior and Exterior Noise Tests was performed. These data are listed in Section 7.1 and 7.2 respectively.





December 16, 2014

Larry Hall
Director of Engineering
Starcraft Bus, Division of Forest River, Inc.
2367 Century Drive
Goshen, IN 46528

Dear Mr. Hall,

This is in response to your letters dated November 7, 2014 and November 13, 2014 and an email dated December 2, 2014 in which you requested assistance from the Federal Transit Administration (FTA) concerning the applicability of the Bus Testing Regulation (49 CFR Part 665) to Starcraft bus models being sold as Startrans bus models. In your letters, email and subsequent phone discussions you indicated that:

- Forest River Inc. has purchased the "Startrans" brand. As a result, Forest River intends to offer comparable Starcraft bus models branded as existing Startrans bus models and leverage the existing Startrans bus dealer network to deliver them to FTA grantees.
- The future Startrans bus models will be produced on the same production line as the comparable Starcraft bus models. The remaining Startrans bus production runs to fulfill open contracts will be completed on the Startrans production lines. Once those are completed, all future Startrans bus models will be Starcraft products.
- Starcraft would like to use the existing Starcraft bus testing reports as evidence of satisfying the Bus Testing regulation for the future Startrans bus models built on the Starcraft production lines. The corresponding Starcraft bus model for each Startrans bus model is provided in the table below. The test report for the Starcraft Allstar is PTI-BT-0518. This report also covers the Starlite bus model which is a narrow body version of the Allstar. The test report for the Allstar XL is PTI-BT-0815.

Existing Startrans Bus Model	Corresponding Starcraft Bus Model
Senator II	Allstar
Chassis: Ford E-350/450 & GM 3500/4500	Chassis: Ford E-350/450 & GM 3500/4500
Senator II MFSAB	Allstar
Chassis: Ford E-350/450 & GM 3500/4500	Chassis: Ford E-350/450 & GM 3500/4500
Candidate II	Starlite
Chassis: Ford E-350/450	Chassis: Ford E-350/450
Senator II HD	Allstar XL
Chassis: Ford F-450/550	Chassis: Ford F-450/550

You have asked FTA to determine if any testing will be required to offer the existing Starcraft bus models with the "Startrans" name as identified above. FTA has reviewed your request and has determined that the Starcraft Allstar, Starlite, and Allstar XL built on the Starcraft production line can be offered to FTA grantees as the Startrans Senator II, Senator II MFSAB, Candidate II, Senator II HD without any additional testing. Starcraft should submit the latest comparable chassis test report that reflects the correct chassis, fuel type and fuel conversion supplier (if an alternative fuel conversion) and powertrain of the Startrans bus being offered to FTA grantees. This report is in addition to submitting the applicable Starcraft test report (PTI-BT-0518 or PTI-BT-0815).

This determination is based on the changes outlined to FTA as stated above. Should you make any other changes to the bus models, additional testing may be required. Feel free to contact me at the address above, or by e-mail (gregory.rymarz@dot.gov), fax (202-366-3765), or telephone (202-366-6410) with any other questions.

Sincerely,

Gregory Rymarz

Bus Testing Program Manager

Office of Mobility Innovation, TRI-12

ARUNDEL FORD

207-985-7171

800-889-7171

FAX 207-985-7173

1561 PORTLAND RD

U.S. ROUTE 1

ARUNDEL, ME 04046

September 12, 2018

Arundel Ford 1561 Portland Road Arundel, ME 04046

RE: RFP # 17A180629000000000000691 17A18062900000000000692

Please be advised that Arundel Ford is a fleet oriented service facility and is fully authorized and capable of servicing the chassis, bus bodies, and sub components as proposed and supplied by Matthews Buses Commercial. We have entered into a contract for this service and this offer of service is applicable only to vans and buses delivered by Matthews Buses Commercial.

Sincerely,

Peter Madore

Arundel Ford, General Manager





September 7, 2018

Agency: Advanced Modifications

Address: 1766 Hammond St.

Address: ME 04401

RE: RFP #17A180629000000000000691 17A180629000000000000692

an (But

Please be advised that Advanced Modifications, Inc. is a fleet oriented service facility and is fully authorized and capable of servicing the chassis, bus bodies, and sub components/as proposed and supplied by Matthews Buses Commercial. We have entered into a contract for this service and this offer of service is applicable only to vans and buses delivered by Matthews Buses Commercial.

Sincerely,

Gina Bennett

President

W. C. CRESSEY & SON, INC.

2 Commerce Drive, Kennebunk, Maine 04043 • www.wccressey.com Office: (207) 985-6111 • Fax: (207) 985-2692 • Toll Free: 800-794-6113

September 10, 2018

RE: RFP # 17A180629000000000000691 17A180629000000000000692

Please be advised that W.C. Cressey and Son, Inc. is a fleet-oriented service facility and is fully authorized and capable of servicing the chassis, bus bodies, and sub components as proposed and supplied by Matthews Buses Commercial. We have entered into a contract for this service and this offer of service is applicable only to vans and buses delivered by Matthews Buses Commercial.

Sincerely,

Brian P. Cressey

President



Maine DOT Ford locations - Warranty Work Approvals

- Kennebec Valley Comm. Action Program → 97 Water St, Waterville, ME 04901 (emailed 9-11)
 Ford → Quirk FORD -> 1-207-560-1372, → 7 Water Street, Hallowell, ME 04347
 Walt O'Neal → Service Manager → woneal@quirkauto.com
- 2. Regional Transportation Program → 127 Saint John St, Portland, ME 04102 (emailed 9-11)
 Ford → Casco Bay Ford -> 207-846-5577, → 1213 U.S 1 Yarmouth, ME 04096
- York County Comm. Action → 6 Spruce Street Sanford, ME 04073 (emailed)
 Ford → Arundel Ford (Repair) → 866-404-3178, → 1561 Portland Road Arundel,
 ME_04046
 Ralph "Bud" Finch → Said yes, sent paperwork
 Peter adore General Manager pmadore@arundelford.com
- 4. Western Maine Transportation Services →

FORD SCHEDULED PREVENTATIVE MAINTENANCE SUGGESTIONS:

Check every month

Engine oil level.

Function of all interior and exterior lights.

Tires (including spare) for wear and proper pressure.

Windshield washer fluid level.

Check every six months

Battery connections. Clean if necessary.

Body and door drain holes for obstructions. Clean if necessary.

Cooling system fluid level and coolant strength.

Door weatherstrips for wear. Lubricate if necessary.

Hinges, latches and outside locks for proper operation. Lubricate if necessary.

Parking brake for proper operation.

Safety belts and seat latches for wear and function.

Safety warning lamps (brake, ABS, airbag and safety belt) for operation.

Washer spray and wiper operation. Clean or replace blades as necessary.

NORMAL SCHEDULED MAINTENANCE

Maintenance

Change engine oil and filter.

Every 7500 mi (12,000 km)

Rotate tires, inspect tire wear and measure tread depth.

Inspect wheels and related components for abnormal noise, wear, looseness or drag.

Perform multi-point inspection that is recommended.

Vehicles with dual rear wheels should rotate the front wheels when specified; rear wheels only if unusual wear is noted.

Maintenance

Inspect automatic transmission fluid level. Consult dealer for

requirements.

Every 15000 mi (24,000 km)

Inspect brake pads, rotors, hoses and parking brake.

Inspect engine cooling system strength and hoses.

Inspect exhaust system and heat shields.

Inspect steering linkage, ball joints, suspension, tie-rod ends,

driveshaft and U-joints.

Other Maintenance Items

Every 30000 mi Replace engine air filter. Torque rear axle U-bolts to specification.

Every 60000 mi Replace front wheel bearing grease and grease seal if non-sealed (96,000 km) bearings are used.

Every 97500 mi Replace spark plugs.

(157,000 km) Replace rear axle fluid. See Special Operating Conditions

Scheduled Maintenance.

Change engine coolant.

Every 105000 mi Change engine coolant. (168,000 km) Inspect accessory drive belts.

Change automatic transmission fluid.

Change automatic transmission filter.

Every 150000 mi Replace accessory drive belts if not replaced within the last (240,000 km) Replace accessory drive belts if not replaced within the last 100000 mi (160,000 km).

Replace front wheel bearings and seals if non-sealed bearings are

used.

Every 200000 mi Change engine coolant if your vehicle has yellow-colored coolant. (320,000 km)

Initial replacement at six years or 105,000 mi (168,000 km), then every three years or 45,000 mi (72,000 km). If not replaced, inspect every 15,000 mi (24,000 km). Initial replacement at ten years or 200,000 mi (320,000 km), then every five years or 100,000 mi (160,000 km).



Maintenance Manual

MAINTENANCE MANUAL

This booklet has been designed and written to supply information regarding maintenance requirements for all makes and models built by StarTrans Bus.

As the owner of a new StarTrans Bus product, it is important to recognize the importance of performing routine maintenance during the warranty period. Just like oil changes, if proper maintenance is not performed, the warranty coverage can be denied.

Familiarizing yourself with this manual will help you make sure that proper maintenance is performed. Please remember, routine maintenance is not covered by warranty.

With proper and scheduled maintenance on your StarTrans Bus, we believe you will enjoy your StarTrans Bus for many years to come.

FLASH DRIVE

In an effort to provide our dealers and end user customers with the most current and up-to-date information on your bus, StarTrans Bus has provided you with a flash drive. This flash drive contains a large amount of important information regarding your specific vehicle. Please take time to review the material housed on the drive.

You will find this flash drive in a small manila folder within your new bus packet.

IMPORTANT:

CONTACT YOUR SELLING DEALER **PRIOR** TO HAVING ANY WARRANTY WORK PERFORMED ON YOUR BUS.

The information provided in this maintenance manual is neither intended to nor should it be used to replace the chassis and other component manufacturers' service, warranty and care information.

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CHAPTER 1 - CHASSIS AND FRAME

Your StarTrans Bus vehicle is designed to be as maintenance free as possible. However, all vehicles require some care to reduce the possibility of unwanted breakdowns during travel. Maintenance to your bus may not seem necessary at the time of purchase, yet it is very important to keep your bus in its best condition for your enjoyment and use. Normal maintenance is required to maintain warranty coverage, reduce wear, and prolong the life of your bus.

Engine

- Start the engine every 15 days.
- Run it at fast idle until it reaches normal operating temperature.
- Shift the transmission into all gears while engine is running.

Fuel System

- Regularly move vehicles short distances to mix fuel anti-oxidation agents.
- For vehicles being stored for prolonged periods, a commercial gasoline or diesel fuel stabilizer should be used.
- For more information please refer to your Ford, GM, or Freightliner Owner's and maintenance manuals that came with your bus.

Tires & Wheels

- Tires installed on your bus are matched to the weight of your vehicle according to the rating of the tires. The most important item in tires is to inspect and check air pressure no less than once per week, perhaps daily during travel. Correct PSI air pressure is listed on each tire as per rating (shown on data sticker on the driver side door jamb). When air pressure is not maintained as specified, tires will run hot, especially in summer months and blow outs can occur. Pressure must always be checked when tires are cold, preferably in the morning. DO NOT adjust or lower tire pressure when warm, as it will be too low when cool. All tire pressures rise when tires are moving on roadway. A tire is considered "cold" after 3 hours of not moving. Again, please refer to your Ford, GM, or International Owner's and Maintenance Manual for torque specifications, cleaning procedures, etc.
- Alignments are NOT performed by StarTrans Bus. Please confirm with your selling dealer to determine if an alignment has been completed on your StarTrans Bus (alignments are not a warrantable expense with StarTrans Bus).

CHAPTER 1 - CHASSIS AND FRAME

Axles, Bearings, Brakes and Hubs

- Verify that all linkages, cables, levers, and clevis points under the vehicle are covered with grease to prevent rust.
- Move trucks at least 25 feet every 15 days to lubricate working parts and prevent corrosion.
- For more information please refer to your Ford, GM, or Freightliner Owner's and maintenance manuals that came with your bus.

CHAPTER 2 - EXTERIOR

Metal

- Galvanized steel skin pre-painted white with an automotive paint finish. To clean, use a mild detergent soap and water.
- Use an automotive type wax or polish; same as you may use on your personal vehicle. By waxing your bus once a year, it retains its nice, new appearance.

Fiberglass – Gel Coat

- Fiberglass skin is painted and prepared by StarTrans Bus with an automotive paint finish. To clean, use a mild detergent and warm water using a soft brush or rag.
- Use an automotive type wax or polish; same as you may use on your personal vehicle. By waxing your bus once a year, it retains its nice, new appearance.

TPO / ABS

- TPO / ABS can come in a wide range of textures and colors. It is a strong plastic compound (ABS) or rubber compound (TPO) commonly used for molded articles within the manufacturing industry and is used for a wide range of production components inside and outside of your StarTrans Bus. The most common exterior components are fender flares on your StarTrans commercial shuttle bus.
- TPO / ABS components are lightweight and strong, however the surface is not as hard as fiberglass and can scratch easily.
- The proper care, cleaning and maintenance of your TPO and ABS components is quite simple because of the basic properties and longevity of the material itself.
- Periodic cleaning is the primary maintenance. StarTrans Bus suggests using Murphy's Oil Soap with a soft nylon brush or sponge. DO NOT USE solid or granulated cleaners, as they will mar the natural finish.

CHAPTER 2 - EXTERIOR

- Do not use Armor All or other oil solvent base cleaners on your TPO or ABS components as they will leave a slick surface.
- A good thorough cleaning should keep your TPO and ABS components looking good and remove most stains. For more stubborn stains, you should contact your StarTrans Bus authorized dealer.
- DO NOT use citrus based cleaners on ABS materials. The ABS will break down and become brittle.

Exterior Roof

- To clean, use a mild detergent and warm water using a soft brush or rag.
- Use an automotive type wax or polish; same as you may use on your personal vehicle. By waxing your bus once a year, it retains its nice, new appearance.

Underbody

- Most individuals are aware of the effects that prolonged exposure to salt and ice melting chemicals have and the adverse effects on any coated metal surfaces, our chassis are no exception. The effects of these corrosives are magnified with time and therefore should be removed from the chassis as soon as possible after a unit has been on the road.
- Washing the frame is especially important during the winter driving season. The danger of exposure to road chemicals is not limited to only the northern snow states. Many southern states use salt and ice melt solutions as well, and any vehicle which originates from a northern state has potential exposure.

Extrusions and Vents

- All components installed on the exterior of your bus have some type or form of "putty/foam tape" placed between the mounting flange or surface to guard against water entry and leakage.
- Additional sealant, referred to as "cap seal" is used to protect along the edges of extrusions or be a secondary surface sealant. All of these sealants are subject to weather elements such as UV rays from the sun, rain, snow, cold, heat, air pollution, frost and other exposures causing dry-out, shrinkage and possible cracking.
- Cap seal must be examined each year, preferably each spring and fall, for looseness, cracking, and separation from any attached surface. If upon inspection you find the above conditions, repairs must be made. These conditions will permit water to enter slowly and eventually cause water damage.

CHAPTER 2 - EXTERIOR

- Corner and roof extrusions have "putty tape" sealant between the components. This material can and will also dry and/or crack from weather elements, permitting leakage and eventually major deterioration. StarTrans Bus advises the owner to have these extrusions removed, and have the old putty tape replaced with new sealant material every five years.
- Windows, entrance doors, and cargo doors (but not limited to) may also use a closed cell foam seal. The seal may also deteriorate over time, lose its memory, and shrink with weather conditions, etc., over a period of five years.
- All sealants must be maintained to prevent failure plus leakage damage.
 For best results, sealant requirements are:
 - Resistant to checking
 - Resistant to shrinking
 - Dries rapidly
 - Adheres to metal, TPO, and fiberglass
 - Expands and contracts with temperature changes
 - Color should match
 - For suggested sealants, please contact your StarTrans Bus servicing dealer.
- AT LEAST THREE TIMES PER YEAR, INSPECT ALL ROOF SEAMS; FRONT, REAR AND ALL AROUND VENTS AND ATTACHMENTS. Remove any loose sealant and reseal these areas. For a list of recommended sealants, please contact our authorized StarTrans Bus dealer. FAILURE TO INSPECT AND CORRECT CAN VOID THE WARRANTY COVERAGE, CLASSIFIED AS NEGLIGENCE.

CHAPTER 3 - SYSTEMS

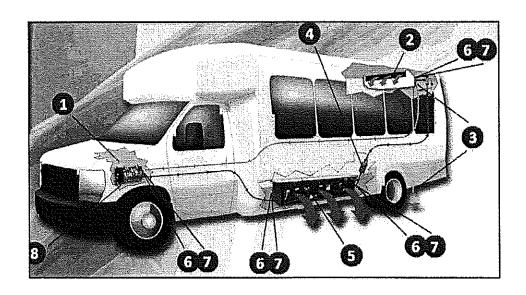
Batteries

- As a manufacturer, we suggest you have your bus inspected each spring to check for any loose wires and/or loose connections in the load center and have tightened if loose. Also, have the fuses inspected for continuity and operation.
- Maintaining the state-of-charge while vehicles are in storage or not being used is the bus owner's responsibility.

CHAPTER 3 – SYSTEMS

- Check the battery state-of-charge every 15 days. If the battery eye is "red," recharge the battery until the eye turns green. Check battery condition for possible storage damage using either a Bear or Midtronics battery tester. Batteries without an eye — recharge if the voltage is less than 12.40 volts.
- Batteries, whether supplied from manufacturer or dealer, require constant inspection and maintenance. To preserve long life in any battery, three important functions are required: Charge battery every 30-60 days to keep fully charged during non-use, especially during winter months. Certain types require water to be checked and added as necessary. Keep water above cell mass to avoid permanent damage. Store battery in a cool place when not in use, around 40 degrees Fahrenheit.
- A fully charged battery will measure at 1.265 specific gravity. A
 discharged battery will measure at 1.120 specific gravity or 11.7
 volts DC. A hydrometer is required to measure "specific gravity."
- Most batteries with deep cycle rating require water to be added as needed. This depends on the amount of draw time that is on that specific battery.
- Use distilled water if possible as it is nearly mineral free. Not keeping batteries charged will result in shorter life expectancy.
- Be sure to keep all battery terminals clean at all times to ensure good contact.

Air Conditioning



CHAPTER 3 – SYSTEMS

- USE EXTREME CAUTION AROUND ENGINE COMPARTMENT AND ANY OTHER MOVING PARTS. HAVE SYSTEM MAINTENANCE AND SERVICE PERFORMED BY A QUALIFIED TECHNICIAN.
- For the below information, refer to the illustration on Page 6.
- 1 = Charge Level / Pressure
- Recharging MUST be done by a QUALIFIED TECHNICIAN.
- 2 = Evaporator Filters
- A properly maintained, clean filter maximizes air flow and system performance.
- Filters should be inspected visually every month and cleaned/replaced as needed.
- 2 = Evaporator Coil(s)
- A properly maintained, clean evaporator coil will ensure maximum heat transfer and system performance.
- 2 = Evaporator Blower(s)
- Proper air flow across evaporator coil allows for efficient heat transfer. Be sure to check to make sure all blowers are actually operating.
- 3 = Evaporator Drain Line(s)
- Prevents water from collecting in the evaporator drain pan. On a hot humid day the evaporator should drip water under the vehicle.
- 4 = Sight Glass / Moisture Indicator(s)
- Deep Green OR Purple = Absence of Moisture.
- Yellow OR Pink = Moisture is present IMMEDIATE SYSTEM SERVICE IS REQUIRED TO PREVENT SYSTEM DAMAGE.
- 5 = Condenser Coil(s)
- A properly maintained, clean condenser coil will ensure maximum heat transfer and system performance. Clean with non-caustic cleaner.
- 5 = Condenser Fan(s)
- Proper air flow across condenser coil allows for efficient heat transfer. Check to make sure all fans are actually operating when compressor is engaged.
- 6 = Hoses / Piping
- Properly supported hoses prevent the possibility of refrigerant leaks.
 Check for residue around connections (sign of refrigerant leak) / hose wear from rubbing other objects / loose or missing clamping.
- 7 = Wiring Harness(es)
- Properly supported and protected harnesses prevent the possibility of electrical issues.

CHAPTER 3 - SYSTEMS

8 = Compressor Belt(s)

 Properly tensioned belts ensure maximum compressor performance and belt life.

CHAPTER 4 - INTERIOR

TPO / ABS

- TPO / ABS can come in a wide range of textures and colors. It is a strong
 plastic compound (ABS) or rubber compound (TPO) used commonly for
 molded articles within the manufacturing industry and is used for a wide
 range of production components inside and outside of your StarTrans Bus.
- TPO / ABS components are lightweight and strong, however the surface is not as hard as fiberglass and can scratch easily.
- The proper care, cleaning and maintenance of your TPO and ABS components is quite simple because of the basic properties and longevity of the material itself.
- Periodic cleaning is the primary maintenance. StarTrans Bus suggests using Murphy's Oil Soap with a soft nylon brush or sponge. DO NOT USE solid or granulated cleaners, as they will mar the natural finish.
- Do not use Armor All or other oil solvent based cleaners on your TPO or ABS components as they will leave a slick surface.
- A good thorough cleaning should keep your TPO and ABS components looking good and remove most stains. For most stubborn stains, you should contact your StarTrans Bus authorized dealer.
- DO NOT USE citrus based cleaners on ABS materials. The ABS will break down and become brittle.

Wall / Ceiling Covering – Vinyl

 To clean, use a mild solution of soap and water with a sponge or soft cloth. DO NOT use any abrasive cleaner as scratching of vinyl could occur, causing dull colors and/or scratches. Avoid cleaners with bleach. For stubborn stains, you may need a strong all-purpose spray cleaner which will need to be sprayed on and QUICKLY wiped off.

Wall / Ceiling Covering - Fabric

 To clean fabric wall covering of dust, use a soft attachment of a vacuum cleaner. To remove solid spots on fabric use clear Ivory dish washing liquid and water.

CHAPTER 4 - INTERIOR

Flooring

• To care for and clean your floor covering, use a mild soap in water and a damp cloth. DO NOT pour water on floors as it may seep under / in attachment points in the buses floor.

Seating - Vinyl

 To clean, use a mild solution of soap and water with a sponge or soft cloth. DO NOT use any abrasive cleaner as scratching of vinyl could occur, causing dull colors and/or scratches. Avoid cleaners with bleach.
 For stubborn stains you may need a strong all-purpose spray cleaner which will need to be sprayed on and QUICKLY wiped off.

Seating - Fabric

- To clean fabric seat covering of dust, use a soft attachment of a vacuum cleaner. To remove solid spots on fabric use clear Ivory dish washing liquid and water.
- *For more stubborn stains you may need to contact your authorized StarTrans Bus dealer

Windows

• On window(s) which have opening sliders, there are "weep or drain" holes at lower sections of frame extrusions, generally at the end of each moveable panel. Dirt, debris, insects, etc. can and will accumulate, potentially plugging up these weep holes. Should water accumulate (stand in threshold of window), your weep holes and / or channels in window have become plugged. Be sure to keep these draining areas open at all times.

CHAPTER 5 - WHEELCHAIR LIFT

- Regular maintenance of the wheelchair lift will help optimize its performance and reduce the need for repairs. This chapter contains cleaning and lubrication instructions.
- Lubrication
 Lubrication should be performed at least every six months, or sooner depending on usage. Lubricate lift at torsion springs (both sides with penetrating oil); knuckle links (both sides with penetrating oil), and; the hinge (with penetrating oil). Lubricate the outer barrier (both sides with a dry graphite lubricant).

Page 9

CHAPTER 5 - WHEELCHAIR LIFT

Cleaning

Regular cleaning with mild soap (i.e. dish soap, car wash liquid) and drying thoroughly will protect the lifts' painted surfaces. Cleaning is especially important in areas where roads are salted in winter. Make sure that lift pivot points remain clear and clean prior to lubrication.

Maintenance Schedule

- Under normal operation conditions, maintenance inspections are required at least every six months (1750 cycles).
- Service should be increased under conditions of heavier use (more than 10 cycles per day).

• 10 Cycles

- Listen for abnormal noises as lift operates (i.e. grinding or binding noises).
- Verify that control pendant is undamaged and cable connector is tight.
- Verify that system properly detects objects in threshold area and actuates the audible alarm.
- Verify that sensor inhibits downward movement of platform when a weight is present on lowered bridgeplate.

150 Cycles

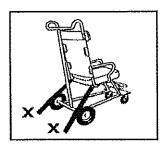
- Inspect electrical wiring for frayed wires, loose connectors, etc.
- Place vehicle in non-interlock mode and verify that lift does not operate.
- Verify that lift decals are properly affixed, clearly visible, and legible. Replace, if necessary.
- Verify that armrest fasteners are properly tightened.
- Verify that mounting and support points are undamaged.
- Verify that mounting bolts are sufficiently tight and free of corrosion.
- Verify that link pins on arms are properly installed, free from damage, and locked in position.
- Verify that bridgeplate operates without binding during lift functions.
- Verify that bridgeplate deploys fully when platform stops at floor level.
- Verify that bridgeplate rests flat against baseplate.
- Verify that rollstop is opened completely when platform is at ground level.
- Verify that rollstop closes and locks when platform leaves ground.

CHAPTER 5 – WHEELCHAIR LIFT

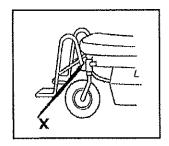
- 1800 Cycles
- Clean lift with mild soap and water and wipe dry. Prevent rust by coating all surfaces with a light weight oil. REMOVE EXCESS OIL.
- Spray penetrating oil where specified in the Lubrication section in this chapter. Remove excess from surrounding areas.
- 3600 Cycles
 - A certified technician must perform the following safety check(s).
 - Check hydraulic cylinder for evidence of leaks.
 - Inspect hydraulic hoses for damage.
 - Verify that all fittings are tight.

CHAPTER 6 – WHEELCHAIR TIE DOWNS

The "Q'Straint, M-series or QRT MAX" systems are very flexible in accommodating most wheelchair styles as shown below.



Child Stroller Wheelchair --Rear Attachments



Standard Power Wheelchair – Front Attachments

It is recommended that Tri-Wheeler users transfer to an ambulatory seat. However, if this procedure is not possible, securement of the Tri-Wheeler and its occupant can be accomplished by using the optional Q'Straint rear middle belt G5-5010 and fastening it to a solid frame member on the base of the Tri-Wheeler chair and then by following all regular Q'Straint securement instructions.

- Auxiliary wheelchair equipment should be effectively secured to the wheelchair or removed from the wheelchair and secured in the vehicle during transport so as to not break free and cause injury in an impact.
- Whenever possible, items attached to the wheelchair in front of the passenger should be removed and secured separately during transportation to prevent potential injury to the passenger.

CHAPTER 6 – WHEELCHAIR TIE DOWNS

Maintenance

- Inspect your Q'Straint, M-Series and/or QRT Max series regularly, before and after every use.
- The Q'Straint, M-Series and/or QRT Max series must be replaced if suspected to have been in use during impact or show ANY sign(s) of damage or excessive wear and tear. Belts should be replaced if they have been worn during impact, even if the damage is not obvious.
- Prevent contamination of belt webbing from oil, gases, polishes and chemicals, in particular – battery acid.
- Be sure to visually inspect the wheelchair tie down tracking for dirt and debris after every use. This should be cleaned out with a shop vac as needed.

CHAPTER 7 - ENTRY DOORS

Six-month Actuator Maintenance Schedule

- Lubricate the main gears with white lithium aerosol grease.
- Lubricate all other moving parts with white lithium grease.
- Inspect the open limit switch actuating tab for proper adjustment.
 Ensure that it is limiting the operator from driving the doors past 90 degrees while opening. Adjust as required (this can be performed by an authorized StarTrans Bus dealer).
- Inspect the operation of the current sensing system built into the motor control board. The red LED must illuminate when the door reaches the fully closed position.
- Inspect for bent push-pull rods; replace as necessary (replacement and parts for replacement should be handled through an authorized StarTrans Bus dealer).
- Inspect the entire system for loose fasteners or components. Repair as required (this can be handled by an authorized StarTrans Bus dealer).
- Inspect for tightness of the set screws binding the actuator arms to the door leaf drive hex. Tighten or replace as needed.
- Inspect emergency release lever for proper operation.
 Lubricate the shaft running through the center of the body with WD-40 or equivalent.

Six-Month Door Leaf Maintenance Schedule

- Inspect all door frame mechanical joints for looseness. Tighten as needed.

CHAPTER 7 – ENTRY DOORS

- Inspect torque arm attaching rivets for looseness. Replace as needed (this can be handled through an authorized StarTrans Bus dealer).
- Inspect lower door hinge pivot for any defects and repair or replace as required (this can be handled through an authorized StarTrans Bus dealer).
- Inspect door leaf center overlap seal for damage. Clean only with a mild detergent.

CHAPTER 8 - EMERGENCY EXIT / ESCAPE HATCH

Emergency Exit / Escape Hatch

All StarTrans Bus products are equipped with an EMERGENCY EXIT hatch.

Please review and understand fully the information in this chapter.

Opening an Emergency Hatch



1. Rotate the red knob 90 degrees in either direction.



2. Push the red knob into the lid.

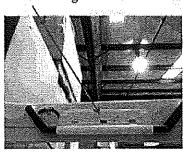


3. Continue to push the lid to the fully open position.

CHAPTER 8 -- EMERGENCY EXIT / ESCAPE HATCH

Closing an Emergency Hatch

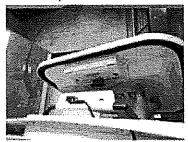




1. If the hatch was opened with the lid in the fully closed position, the release hinge will still be in the down position.



2. Push the release hinge upward to the position shown above.



3. Lower the lid into position.



4. Guide the release hinge into the handle base on the lid as shown above.



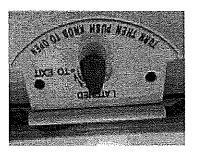
5. Pull down on the top of the lid to force the release hinge and the lid together until you hear "clicks." This will be the spring loaded handle setting in place.



6. Grasp both sides of the lid and pull down to fully close the hatch.



7. Rotate the red knob back into position.



8. The red knob should be in this position during normal operation of the vehicle.

Page 14

CHAPTER 9 - CHILD CHECKMATE SYSTEM

EP1 Operation Check List

- Upon starting the bus, the EP1 Alarm Unit will emit an audible noise indicating that the system is now operational.
- Close the front door and turn on the master switch. Open the front door and the red overhead lights will flash.
 - Expect an audible sound from the EP1 Alarm Unit as the red lights are activated.
- · Close the front door and the overhead lights will stop flashing.
- Turn the ignition to the "OFF" position. The system's alarm, a high-pitched beep, will begin to sound. After approximately eight seconds, the bus horn will begin to sound on and off.
- Turn the ignition back to the "ON" position. The EP1 Alarm Unit will sound a high pitched tone three times at 30 second intervals (90 seconds) reminding the driver to perform their child check.
- Proceed to the rear of the bus and depress the RVT Reset Button for at least three seconds. You will hear the deactivation signal, a rapid chirping sound from the EP1.
- Note: The Child Checkmate EP1 system's deactivation process is designed so that the ignition key must remain in the "OFF" position for at least one second before switching to the "IGNITION" or "ACCESSORY" position.
- The system has now been deactivated and the key can be removed safely from the ignition.

DOME LIGHT OPTION — IF EQUIPPED

- Turn the ignition to the "ON" position to illuminate dome lights for 20 seconds.
- Once the system has been activated, turn the ignition to the "OFF" position and the dome lights will illuminate.
- Turn ignition to the "ON" position. The dome lights will remain illuminated. Proceed to the rear of the bus to deactivate the system.
- The dome lights will remain on for two minutes.
- Stepping on the brake pedal will trigger an audible sound. This will also turn the dome lights off.

CUSTOMER BUS INFORMATION

VIN #		
,		
Body #		

HELPFUL CONTACTS

Ford Chassis

800.392.3673

GM Chassis

800.353.3867

Freightliner Chassis 864.206.8616

Braun

800.946.6158 or www.braunlift.com

Ricon

800.322.2884 or www.riconcorp.com

Trans Air

800.673.2448 or ww.transairmfg.com

ACC Climate Control 800,462,6322 or www.accclimatecontrol.com

Carrier

717.767.3341 or www.mcc-hvac.com

A&M

574.225.5000 or www.anmsystems.com

MORryde

574.293,1581 or www.morryde.com

Q'Straint

USA or Canada

Phone 800.987.9987 or fax: 954.986.0021

Email: Qstraint@qstraint.com

Child Checkmate

877.494.8222 or www.childcheckmate.com

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Forest River Inc.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Forest River Inc.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to http://www.safercar.gov; or write to: Administrator, NHTSA, 400 Seventh Street, SW., Washington, DC 20590. You can also obtain other information about motor vehicle safety from http://www.safercar.gov.



2367 Century Drive, Goshen, Indiana 46528 • 1.800.348.7440 • www.StarTransbus.com

Matthews Buses Commercial / Startrans Bus PROPOSAL SCHEDULE / ADDITIONAL OPTIONS ITEM CHASSIS OPTIONS COST BATTERY BOX INTEGRATED INTO STEPWELL (UPGRADE) STAINLESS STEEL WHEEL INSERTS / WHEEL COVERS \$690 \$550 \$390 HEATED REARVIEW MIRRORS ON-SPOT AUTOMATIC TIRE CHAINS \$4,850 CROSSOVER MIRROR MOUNTED CORNER OF FRONT HOOD (EACH) \$205 CLIMATE CONTROL OPTIONS HEATER - ADD A 35K BTU HEATER \$565 HEATER - ADD A 65K BTU HEATER \$645 **DOOR OPTIONS** EXTERIOR KEY ACCESS FOR AMBULATORY ELECTRIC DOOR \$175 EXTERIOR KEYPAD ACCESS FOR AMBULATORY ELECTRIC DOOR \$205 WINDOW OPTIONS UPGRADE WINDOWS TO TOUR STYLE (PER WINDOW) \$65 EGRESS WINDOW - ADDITIONAL AS DESIRED (EACH) \$110 PARATRANSIT OPTIONS \$860 ADD A WHEELCHAIR SECUREMENT POSITION FLAT FLOOR / ELIMINATES WHEELHOUSES / ADDS 1 STEP TO ENTRY \$875 \$80 WHEELCHAIR LIFT PLATFORM SAFETY BELT TRANSVERSING ARMS SEATING OPTIONS FABRIC SEAT UPHOLSTERY UPGRADE (PER PASSENGER) \$20 ARM REST - FOLDING RUBBER CUSHIONED (EACH / AT AISLE) \$40 SEAT GRAB HANDLE - PADDED (EACH) \$50 HIGH BACK PASSENGER SEATS (UPGRADE / PER PASSENGER) \$40 MISC. INTERIOR OPTIONS STOP REQUEST SYSTEM WITH PULL CORD / AUDIBLE AND VISUAL SIGNAL OF \$975 PASSENGER STOP REQUEST \$95 TINTED PLEXIGLASS UPPER SHIELD BEHIND DRIVER \$515 COMPOSITE FRP HEADLINER IN LIEU OF FABRIC OVERHEAD PARCEL RACKS BOTH SIDES OF AISLE WITH READING LIGHTS \$1,080 SAFETY OPTIONS SONAR DETECTION SYSTEM / REAR OF BUS DRIVER ALERT / BSSK1000 \$695 ADDITIONAL VERTICAL GRABRAIL AT TOP OF ENTRANCE STEPWELL \$160 POWDER COAT PAINTED OPTIC YELLOW ENTRY GRAB RAILS \$460 POWDER COAT PAINTED OPTIC YELLOW INTERIOR GRAB RAILS \$410 STROBE LIGHT / ROOF MOUNTED WITH DASH SWITCH (WHITE OR AMBER) \$430 ADDITIONAL HIGH MOUNT AMBER LED TURN SIGNALS \$380 AUDIO VISUAL OPTIONS SEON SURVEILLANCE CAMERA SYSTEM / 2 CAMERAS / 320GB \$3,263 SEON SYSTEM / ADD A CAMERA (PER CAMERA UP TO 4 ADDITIONAL) \$579 ROSCO DUAL VISION SURVEILLANCE CAMERA SYSTEM / 32GB \$1,280 ESP OPTIONS 4 YEAR OR 100,000 MILE POWERTRAIN CARE (GAS) \$2,620 \$3,155 4 YEAR OR 100,000 MILE POWERTRAIN CARE (DIESEL) 5 YEAR OR 150,000 MILE POWERTRAIN CARE (GAS) \$2,965 5 YEAR OR 150,000 MILE POWERTRAIN CARE (DIESEL) \$3,645 4 YEAR OR 100,000 MILE BASE CARE (GAS \$2,915 4 YEAR OR 100,000 MILE BASE CARE (DIESEL) \$3,610 5 YEAR OR 150,000 MILE BASE CARE (GAS) \$3,290 5 YEAR OR 150,000 MILE BASE CARE (DIESEL) \$4,165

onive on with First-class Service.



- dealerships in the U.S., Canada and Mexico Service provided at Ford and Lincoln
- # Ford-authorized parts used for covered repairs
- Factory-trained and certified technicians

and a committy alluable Benefits.



- Includes tire change, lockout, out-of-fuel and battery jump-start assistance
- Towing Assistance (up to \$100 per occurrence)
- Emergency Travel Expense (up to \$500 within the first 3 days per occurrence)
- Destination Assistance (up to \$75)
- ... Call 1-800-241-3673

Plus, Rental Vehicle Benefits.

Coverage of \$30 a day for up to 10 days for covered repairs

affordable way to limit your out-of-pocket expenses. Ford Protect PowertrainCARE coverage is an

- Protects you from the rising cost of future repair bills
 - Pay only your deductible, if any, per covered repair visit
- 100% transferable, which may increase your venicle's resale value (transfer fee applies)

เอเกร อากเทนิก (cay Services Option

against lost, stolen or damaged keys and key fobs. Ford Protect Key Services Option has you covered

- If your key and/or fob are
 - Misplaced
- Damaged and will not work
 - Locked in your vehicle
 - Your plan will ...
- Replace or reprogram your key(s) and/or fob(s)

Not available in all states.

For New Ford Protect Plans:

coverage expires upon reaching the earliest of time, mileage or hours. Limited Warranty start date) and zero miles or hours. Your selected . Coverage begins with the original in-service date (New Vehicle

For Used Ford Protect Plans:

Vehicles within the New Vehicle Limited Warranty

Eligible Ford, Lincoln and Mercury vehicles that have New Vehicle begins at the signature date and current mileage. Coverage ends at the earlier of the number of months purchased or the number Limited Warranty remaining at the time of purchase - coverage of miles purchased from the expiration of the New Vehicle Limited Warranty.

Jehicles outside the New Vehicle Limited Warranty

Vehicle Limited Warranty and all competitive-make vehicles begins at the signature date and current mileage. Your selected coverage Coverage for Ford, Lincoln and Mercury vehicles beyond the New expires upon reaching the earliest of time, mileage or hours.

For Cab and Chassis/Incomplete Vehicles:

- A variety of unique time/mileage/hour options and deductibles are available within 5 years or 100,000 miles or 4,000 hours of the original in-service date.
- Coverage begins with the original in-service date (New Vehicle selected coverage expires upon reaching the earliest of time. Limited Warranty start date) and zero miles or hours. Your mileage or hours,

0% APR Interest-free Installment Payment Plan with flexible payment options is available when the extended



choice

service plan is not included in the vehicle financing: making it the smart everyone qualifies.





FORD PROTECT

printed for the October 2017 plan year. Prices and plan details may have changed after the brochure was printed. Plan availability, benefits, coverage and provider may vary by state. Please refer to your plan's service contract for This brochure is intended to provide general information about a PowentrainCARE Extended Service Plan offered by Ford Protect. It was the actual terms and conditions.

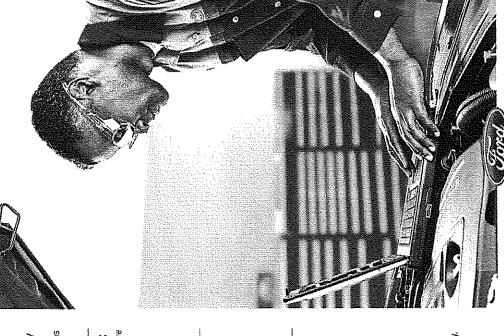
Ford Motor Company (License #12118). Ford Protect on competitive-make vehicles is a Service Contract from The American Road Insurance Company, In Florida, Ford Protect on Ford vehicles is a Service Contract from Dearborn, Mt 48126 (Certificate of Authority #09079).

In Texas, Ford Protect is a Service Contract from Ford Motor Service Company (License #SCP-165)

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Go Further

PowertrainCARE

Extended Service Plan, you are protected from unforeseen covered repairs on your With a Ford Protect PowertrainCARE vehicle for up to the earlier of 8 years or 150,000 miles.



That's well beyond the New Vehicle Limited Now is the time to protect your investment Warranty that comes with your vehicle. with a Ford Protect PowertrainCARE

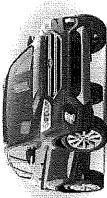
Why Ford Protect PowertrainCARE is such a great value.

Extended Service Plan.

components can be significant. One repair bill can easily exceed the price of your Ford Protect PowertrainCARE coverage. It's clear that this coverage can quickly pay The price for parts and labor to repair many major







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"These examples are based on an average estimated U.S. retail repair cost for 2013-2016 Escape. Actual repair costs will vary by vehicle and dealer location.

· All Internally Lubricated ENGINE

Seals and Gaskets

Cylinder Block

Thermostat Housing

. Thermostat

Timing Chain Cover

(Gears or Belt) Turbocharger/ Timing Chain

 Manifold (Exhaust and · Cylinder Heads - Prywheel

· Manifolo (Intake and Bolts)

Oil Pan Oil Pump

Supercharger Unit (Factory-Installed) · Valve Covers Water Pump

HOLESHES FOR

 All Internally Lubricated Seals and Gaskers Torque Canverter

 Transfer Case (including All Internal Parts) Transmission Case

TEAR / FRONT NINE ENDRINE AVEC

 Rear Drive Axle Housing and Front Axle Housing for 4x4 (Including All Infernal Parts) Axle Shafts

Hubs, Automatic Front Locking (Four-Wheel Drive)

· Driveshaft

Front, Final Drive Housing for and Rear Axle Housing for AWD (Including All Internal Parts)

 Universal and Constant Velocity Joints · Locking Rings (Four-Wheel Drive) Seals and Gaskets

Ford Protect PowertrainCARE Based or your driving needs, Extended Service Plan VOL CAT CLAYOFIZE E

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Available beyond the New Vehicle Limited Warranty TIME AND MILEAGE OPTIONS

Coverage lengths range from 1 year/12,000 miles to 5 years/75,000 miles for 2006 and newer vehicles.

Drive On for Miles

Based on your driving needs.

Ford Protect BaseCARE you can customize a

Extended Service Plan that's right for you.

TIME AND MILEAGE OPTIONS

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Available beyond the New Vehicle Limited Warrants TIME AND MILEAGE OPTIONS NV Id GBSS

Coverage lengths range from 1 year/12,000 miles to S years/75,000 miles for 2005 and newer vehicles.

Days on with First-Class Service.

Ford Protect BaseCARE coverage is 100% Backed by Ford Motor Company.

- dealerships in the U.S., Canada and Mexico # Service provided at Ford and Lincoln
- * Ford-authorized parts used for covered repairs
- * Factory-trained and certified technicians

British Gritish Valuable Benefits.

Ford Protect BaseCARE coverage is there when you need it with 24-hour Roadside Assistance.

- # Includes fire change, lockout, out-of-firel and battery ump-start assistance
- Towing Assistance (up to \$100 per occurrence)
- Emergency Travel Expense (up to \$500 within the first 3 days per occurrence)
 - Destination Assistance (up to \$75)
- # Call 1-800-241-3673

Plus, Rental Vehicle Benefits.

a Coverage of 530 a day for up to 10 days for covered repairs

Third on with Savings.

Ford Protect BaseCARE coverage is an affordable way to limit your out-of-pocket expenses.

- a Protects you from the rising cost of future repair bills
- * Pay only your deductible, if any, per covered

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of the Shi Yith Key Services Option.

against lost, stolen or damaged keys and key fobs. Ford Protect Key Services Option has you covered

- # If your key and/or tob are... Misplaced
- Damaged and will not work
- Lacked in your vehicle
 - # Your plan will ...

· Replace or reprogram your key(s) and/or fob(s) Not available in all states.

For New Ford Protect Plans;

- Coverage begins with the prignal in-service date (New Venche Limited Watranty start date) and tato miles to hours, You selected coverage expires upon reactiving the earliest of time, mileage at tours.

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For Cab and Chassis/Incomplete Vehicles:

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 - Coverage begind with the original in service date (New Yehote Limaed Welgery start date) and Tayo mies or houss Your selected coverage expires upon jeaching the eadlest of Arme. mi eage or nours

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In Texas, Ford Protect is a Service Contract from Ford Notor Service Company (Libense ASCP-185).

President mettisk.

Detailer Wale

Go Further

BaseCARE

Covered Components

Service Plan, you are protected from unforeseen covered repairs on your vehicle for up to the earlier of 8 years or 150,000 miles. With a Ford Protect BaseCARE Extended

That's well beyond the New Vehicle Limited Warrenty that comes with your wehicle. Now is the time to profect your Investment with a Ford Profect BaseCARE Extended Service Plan.

Why Ford Protect BaseCARE is such a great value,

The price for parts and labor to repair meny major components can be significant. One repair bill can easily exceed the price of your Ford Protect Based ARE coverage. It's crear that this coverage can quickly pay for itself!

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Used Fordand Compositive-make Vehicle Plans	\$100	\$50, \$200. Disappearing

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Cambination Volve
Master Cylinder
Mattel Lines and Fittings - Backing Piates - Brake Boosker (Power)

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Service in the

U.S., Canada and Mexico

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100% Backed by Ford

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Filler Arm.
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AIR CONDITIONING

Key Services



WARRANTY PROCEDURE / ALL SUBLET SERVICE PROVIDERS

Warranty Administrator:

Contact Name:	Dean Capparelle
Phone #:	(800) 330-1175 X-436
Email:	warranty@matthewsbusescommercial.com

Step #1:

Contact the Warranty Administrator to verify the repair can be covered under warranty.

Step #2:

Submit a warranty claim form completed with information available at this time (corrective action and actual labor time may not be known/established at this time).

Step#3:

Repairs under \$100

- · Proceed with repair.
- Complete Warranty Claim Form.

Repairs over \$100

- Complete Warranty Claim Form and submit to warranty administrator for preapproval.
- · Proceed with repair only after receiving approval.
- Repairs over \$100 completed without pre-approval cannot be paid.

Misc:

- Warranty Claim Form to be completed and shall clearly exhibit the concern, cause, and corrective action.
- Pictures of failure (with VIN on paper in pic) to be provided whenever possible.
- Parts (except for hardware) must come from bus manufacturer unless advised otherwise.

Step #4:

Submit the warranty claim form (with the corrective action taken and labor time exhibited) and RO/invoice to the Warranty Administrator within 10 days of the date of repair for processing and reimbursement.

7/1/2018

Matthews Bus Alliance, Inc.

WARR	ANT	Y CLA	IM FORM				<u>K.U. #</u>		Repair Date:	<u>iracking ∓</u>
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Contact					Phone			Fax		
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Total Lbr

\$0.00



REFERENCES

Transit Authority of River City

Louisville, KY Geoffrey Hobin 502-561-5131 25+ Buses

Skagit Transit

Burlington, WA Denny Griffey 360-478-6221 10+ Buses

General Services Administration

Washington, DC Craig Yokum 703-605-9291 85+ Buses

New Jersey Transit

Newark, NJ Janelle Rivera 973-491-8346 150+ Buses

Metro Mobility

Robert Glaeser 516-616-2786 20+ Buses

RTD - Regional Transportation District

Robbie Hunter
Senior Equipment Engineer
1900 31st Street
Denver, CO 80216
(303) 299-6930
103 Candidate II's (narrow body)



Colorado Department of Transportation - Transit Unit

David Averill
Transit Planning Manager
4201 East Arkansas Avenue
Shumate Building
Denver, Colorado 80222
(303) 757-9747
60+ Senator II's

City of Colorado Springs

Craig Blewitt
Transit Director
1015 Transit Drive
Colorado Springs, CO 80901-1575
(719) 385-6813
75 Senators

City of Pueblo

Brenda Broyles Transit Superintendent 230 S Mechanic St. Pueblo, CO 81003 (719) 553-2721 **12 Senator II's**



AGENCY NAME	ADDRESS	CITY	ST	ZIP	CONTACT	PHONE	EMAIL	# UNITS	YEAR SOLD
	1100 John Overton	<u> </u>	1				echolsr@dot.state.al		Since
ALDOT	Drive	Montgomery	AL	36110	Robert Echols	334-353-6421	us	400+	2010
Arizona Department of	206 S. 17th Ave	· · · · · · · · · · · · · · · · · · ·					mnormand@azdot.g		2013-
Transportation	#340B	Phoenix	ΑZ	85007	Mike Normand	602-712-8243	ov	100+	2015
*			-				roger.kirk@bgcap.or	***************************************	Since
BGCAP	111 Professional Ct	Frankfort	KY	40601	Roger Kirk	502-695-4290	g	38	2012
***************************************	1010 Hurley Way,		1		Jacklyn				Since
CalACT	Suite 140	Sacramento	CA	95825	Montgomery	916-920-8018	jacklyn@calact.org	1000+	2011
	5.6.5		1		·····		frank.nevitte@dot.c		Since
CalTrans	P.O. Box 942874	Sacramento	CA	94274	Frank J. Nevitt IV	916-654-9495	a.gov	1000+	2000
City of Phoenix Dial-A-	302 N 1st Ave						gabriel.peoz@phoe		2013-
Ride	Ste.700	Phoenix	AZ	85003	Gabe Peiz	602-495-7133	níx gov	81	2015
	302 N 1st Ave Ste.			Ì			wendy.miller@ohoe		2014-
City of Phoenix Transit	900	Phoenix	ΑZ	85003	Wendy Miller	602-262-4077	nix.gov	45	2015
	 			İ			jason hartong@tem		
City of Tempe	20 E. 6th Street	Tempe	ΑZ	85281	Jason Hartong	480-350-2747	pe.gov	34	2013
,	100 W. RANDOLPH				<u></u>	1	Mike.Healy@illinois.		2013-
ILLINOIS -IDOT	STE 6-600	CHICAGO	IL	60601	Mike Healy	312-793-2184	gov	300 +	2015
			1		······································		beecher.hudson@lo		Since
Louisville Wheels	1134 S Preston St	Louisville	KY	40203	Beecher Hudson	502-561-3231	uwheels.com	37	2011
NMDOT Transit & Rail							Delilah.Garcia@stat		
Div	1350 Alta Vista	Santa Fe	NM	87504	Delilah Garcia	505-490-7856		50+	2015
Regional	1000711100			0,00			, , , , , , , , , , , , , , , , , , ,		
Transportation	1 E. Brodaway Blvd						imcginnis@pagregio		2013-
Authority Pima County	Suîte 401	Tucson	AZ.	85701	James McGinnis	520-792-1093		25	2014
						1	freda.parsons@4rte		Since
RTEC	100 Main ST	Mt. Vernon	KY	40456	Freda Parsons	606-256-9835	c.com	65	2012
			 				freda.parsons@4rte		Since
RTEC	101 Main ST	Mt. Vernon	KY	40457	Freda Parsons	606-256-9836	c.com	66	2013
			1				freda.parsons@4rle		Since
RTEC	102 Main ST	Mt. Vernon	KY	40458	Freda Parsons	606-256-9837	c.com	67	2014
			Ť.	1 1 1 1 1		<u> </u>	freda.parsons@4rle		Since
RTEC	103 Main ST	Mt. Vernon	ΚY	40459	Freda Parsons	606-256-9838	c.com	68	2015
			1			1	davidjouellette@em		2013-
University of Arizona	1117 E. 6th Street	Tucson	ΑZ	85721	David Jouellette	520-882-0518	ail arizona edu	. 5	2015
Wisconsin DOT	4802 Sheboygan Ave		 				thomas.robinson@d		Since
Bureau of Transit	PO Box 7913	Madison	WI	53707	Tom Robinson	608-266-0658	of wi.gov	200+	2005