

STATE OF NEBRASKA CONTRACT AMENDMENT

State Purchasing Bureau
301 Centennial Mall South, 1st Floor
Lincoln, Nebraska 68508
OR
P.O. Box 94847
Lincoln, Nebraska 68509-4847
Telephone: (402) 471-2401
Fax: (402) 471-2089

CONTRACT NUMBER
12438 OC

PAGE 1 of 4	ORDER DATE 04/07/10
BUSINESS UNIT 27227050	BUYER CONNIE HEINRICHS
VENDOR NUMBER: 1931793	
VENDOR ADDRESS: TELIN TRANSPORTATION GROUP, LLC 14990 INDUSTRY AVE SE STE A BECKER MINNESOTA 55308-8813	

THE CONTRACT PERIOD IS:

MARCH 24, 2009 THROUGH MAY 14, 2010

THIS CONTRACT HAS BEEN AMENDED PER THE FOLLOWING INFORMATION:

NO ACTION ON THE PART OF THE VENDOR NEEDS TO BE TAKEN AT THIS TIME. ORDERS FOR THE EQUIPMENT OR SUPPLIES WILL BE MADE AS NEEDED BY THE VARIOUS AGENCIES OF THE STATE.

THIS CONTRACT IS NOT AN EXCLUSIVE CONTRACT TO FURNISH THE EQUIPMENT OR SUPPLIES SHOWN BELOW, AND DOES NOT PRECLUDE THE PURCHASE OF SIMILAR ITEMS FROM OTHERS SOURCES.

THE STATE RESERVES THE RIGHT TO EXTEND THE PERIOD OF THIS CONTRACT BEYOND THE TERMINATION DATE WHEN MUTUALLY AGREEABLE TO THE VENDOR AND THE STATE OF NEBRASKA.

Original Bid Document 2817 OF

2009 or Current Production Year Small Buses as per the attached specifications for the 2009 Production Year through May 14, 2010.

Quantities stated are estimated only and shall not be construed to be either a minimum or a maximum. The orders shall be for the actual quantities of each item ordered by or for any agency during the life of the contract. Vendor shall not impose order requirements. The Unit Price is equal to the Base Price for items before the Option Bid List.

Delivery: 120 Days after receipt of chassis

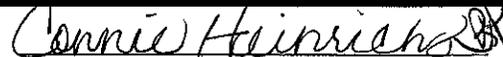
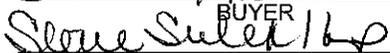
The parties hereby agree that the following documents are incorporated into the contract resulting from this Invitation to Bid:

1. The signed Invitation to Bid Contract document;
2. The original ITB document;
3. Any Addenda and or Amendments to include Questions and Answers;
4. Warranty documents supplied with the bid;
5. The contract award.

Unless otherwise specifically stated in a contract amendment, in case of any conflict between the incorporated documents, the documents shall govern in the following order of preference with number 1 receiving preference over all other documents and with each lower numbered document having preference over any higher numbered document: 1) the contract award, 2) ITB addenda or amendments, to include Questions and Answers, with the latest dated amendment having the highest priority, 3) the original ITB, 4) the signed ITB Contract document, 5) warranty documents supplied with the bid.

Any remaining uncertainty or ambiguity shall not be interpreted against either party because such party prepared any portion of the Agreement, but shall be interpreted according to the application of rules of interpretation of contracts generally.

It is understood by the parties that in the State of Nebraska's opinion, any limitation on the contractor's liability is unconstitutional under the Nebraska State Constitution, Article XIII, Section 3 and that any limitation of liability shall not be binding on the State of Nebraska despite inclusion of such language in documents supplied with the contractor's bid.


BUYER

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BUSINESS UNIT 27227050	BUYER CONNIE HEINRICHS
VENDOR NUMBER: 1931793	

CONTRACT NUMBER
12438 OC

VENDOR CONTACT: Jerry Smith
 PHONE: 888-456-7831 or 402-325-8408
 FAX: 402-464-6004

AMENDMENT ONE (1): Name change to contract from Superior Transit Sales LLC, dba Minnesota body & Equipment to Telin Transportation Group LLC. (04/07/10 djg)

Line	Description	Estimated Quantity	Unit of Measure	Unit Price
1	Small Transit Bus 12 + 2 Ford Chassis Bus Manufacturer: Star Trans by Supreme Corp. Standard vehicle and floor plan as shown in Figure 1, page 40	55.0000	EA	43,141.00
2	Small Transit Bus 12 + 2 Chevrolet Chassis Bus Manufacturer: Star Trans by Supreme Corp. Standard vehicle and floor plan as shown in Figure 1, page 40	50.0000	EA	46,649.00
	Options			
3	Raised floor	50.0000	EA	650.00
4	Additional wheelchair position with securement (Additional wheelchair positions will be on driver side of vehicle)	50.0000	EA	595.00
5	Deduct for removal of two-passenger seat to add wheelchair position or to add optional intergrated child seat with companion seat	87.0000	EA	-175.00
6	One integrated child seat with companion seat, aisle side flip up US armrest and under seat retractor seat belts	67.0000	EA	785.00
7	One Federal Motor Vehicle Safety Standard (FMVSS) (CRS)	135.0000	EA	100.00

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PAGE 3 of 4		ORDER DATE 04/07/10	
BUSINESS UNIT 27227050		BUYER CONNIE HEINRICH	
VENDOR NUMBER: 1931793			

CONTRACT NUMBER
12438 OC

Line	Description	Estimated Quantity	Unit of Measure	Unit Price
	Child Restraint Systems (CRS) latch hook per double seat (hook installed on passenger seat near vehicle wall)			

Contract supplier or suppliers may honor pricing and extend the contract to policial sub-divisions, cities and counties. Terms and conditions of the contract must be met by political sub-divisions, cities and counties.

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BUYER INITIALS

STANDARD CONDITIONS AND TERMS OF BID SOLICITATION AND OFFER Invitations to Bid and Contract Awards

It is the responsibility of the bidder to check the website for all information relevant to this solicitation to include addenda and/or amendments issued prior to the opening date. Website address: <http://www.das.state.ne.us/materiel/purchasing/purchasing.htm>

SCOPE- These standard conditions and terms of bid solicitation and acceptance apply in like force to this inquiry and to any subsequent contract resulting therefrom.

PRICES- Prices quoted shall be net, including transportation and delivery charges fully prepaid by the bidder, F.O.B. destination named in the Invitation to Bid. No additional charges will be allowed for packing, packages or partial delivery costs. When an arithmetic error has been made in the extended total, the unit price will govern.

EXECUTION- Bids must be signed in ink by the bidder on the State of Nebraska's Invitation to Bid form. All bids must be typewritten or in ink on the State of Nebraska's Invitation to Bid form. Erasures and alterations must be initialed by the bidder in ink. No telephone or voice bids will be accepted. Failure to comply with these provisions may result in the rejection of the bid.

FACSIMILE DOCUMENTS- The State Purchasing Bureau will only accept facsimile responses to Invitations to Bid on bids under \$25,000 and up to ten (10) pages. However, two party sealed bids containing facsimile pages are acceptable. No direct facsimile solicitation responses will be accepted for a commodity contract.

VALID BID TIME- Bids shall be firm for a minimum of sixty (60) calendar days after the opening date, unless otherwise stipulated by either party in the Invitation to Bid.

DISCOUNTS- Prices quoted shall be inclusive of ALL trade discounts. Cash discount terms of less than thirty (30) days will not be considered as part of the bid. Cash discount periods will be computed from the date of receipt of a properly executed claim voucher or the date of completion of delivery of all items in a satisfactory condition, whichever is later.

PAYMENT- Payment will be made by the responsible agency in conjunction with the State of Nebraska Prompt Payment Act 81-2401 through 2408. The State may request that payment be made electronically instead of by state warrant.

COLLUSIVE BIDDING- The bidder guarantees that the prices quoted have been arrived at without collusion with other eligible bidders and without effort to preclude the State of Nebraska from obtaining the lowest possible competitive price.

LUMP SUM OR ALL OR NONE BIDS- The State reserves the right to purchase item-by-item, by groups or as a total when the State may benefit by so doing. Bidders may submit a bid on an "all or none" or "lump sum" basis but should also submit a bid on an item-by-item basis. The term "all or none" means a conditional bid which requires the purchase of all items on which bids are offered and bidder declines to accept award on individual items; a "lump sum" bid is one in which the bidder offers a lower price than the sum of the individual bids if all items are purchased but agrees to deliver individual items at the prices quoted.

SPECIFICATIONS- Any manufacturer's names, trade names, brand names, information and/or catalog numbers listed in a specification are for reference and not intended to limit competition, but will be used as the standard by which equivalent material offered will be judged. The State Purchasing Director will be the sole judge of equivalency. The bidder may offer any brand which meets or exceeds the specification. When a specific product is required, the Invitation to Bid will so state. Any item bid is to be the latest current model under standard production at the time of order. No used or refurbished equipment will be accepted, unless otherwise stated.

ALTERNATE/EQUIVALENT BIDS- Bidder may offer bids which are at variance from the express specifications of the Invitation to Bid. The State reserves the right to consider and accept such bids if, in the judgement of the State Purchasing Director, the bid will result in goods and/or services equivalent to or better than those which would be supplied in the original bid specifications. Bidders must indicate on the Invitation to Bid the manufacturer's name, number and shall submit with their bid, sketches, descriptive literature and/or complete specifications. Reference to literature submitted with a previous bid will not satisfy this provision. Bids which do not comply with these requirements are subject to rejection. In the absence of any stated deviation or exception, the bid will be accepted as in strict compliance with all terms, conditions and specifications, and the bidder shall be held liable therefore.

SAMPLES- When requested, samples shall be furnished at the bidders expense prior to the opening of the bid, unless otherwise specified. Each sample must be labeled clearly and identify the bidders name, the Invitation to Bid number and the item number. Samples submitted must be representative of the commodities or equipment which would be delivered if awarded the bid. The State of Nebraska reserves the right to request samples even though this may not have been set forth in the Invitation to Bid. Samples not destroyed in testing will be returned at bidders expense, if requested, or will be donated to a public institution.

RECYCLING- Preference will be given to items which are manufactured or produced from recycled material or which can be readily reused or recycled after their normal use as per State Statute Section 81-15,159.

LATE BIDS- All bids will be time and date stamped upon receipt by the State Purchasing Bureau, and this shall be the official time and date of receipt. Bids received after the time of the bid opening will be considered late bids and will be returned to the bidder unopened. The State Purchasing Bureau is not responsible for late bids or lost requests due to mail service inadequacies, traffic or other similar reasons.

BID OPENING- Openings shall be public on the date and time specified on the Invitation to Bid form. It is the bidder's responsibility to assure the bid is delivered at the designated date, time and place of the bid opening. Telephone bids are not acceptable. A bid may not be altered after opening of the bids.

NO BID- If not submitting a bid, respond by returning the Invitation to Bid form explaining the reason in the space provided. Failure to respond to an Invitation to Bid may be cause for the removal of the bidder's name from the mailing list. NOTE: To qualify as a respondent, bidder must submit a "NO BID" and it must be received no later than the stated bid opening date and time.

AWARD- All purchases, leases, or contracts which are based on competitive bids will be awarded to the lowest responsible bidder, determined according to the provisions of State Statute Section 81-161, R.R.S. 1943. The State reserves the right to reject any or all bids, wholly or in part and to waive any deviations or errors that are not material, do not invalidate the legitimacy of the bid and do not improve the bidders competitive position. All awards will be made in a manner deemed in the best interest of the State.

BID TABULATIONS- Tabulations will be furnished upon written request. A self-addressed, stamped envelope which must include the agency and solicitation number must be enclosed. Bid tabulations will not be provided by telephone or facsimile. Bid files may be examined during normal working hours by appointment. Bid tabulations are available on the website at: <http://www.das.state.ne.us/materiel/purchasing/bidtabs.htm>

PERFORMANCE AND DEFAULT- The State reserves the right to require a performance bond from the successful bidder, as provided by law, without expense to the State. Otherwise, in case of default of the contractor, the State may procure the articles from other sources and hold the contractor responsible for any excess cost occasioned thereby.

IN-STATE PREFERENCE- A resident bidder shall be allowed a preference against a nonresident from a state which gives or requires a preference to bidders from that state. The preference shall be equal to the preference given or required by the state of the nonresident bidders. Where the lowest responsible bid from a resident bidder is equal in all respects to one from a nonresident bidder from a state which has no preference law, the resident bidder shall be awarded the contract.

NONDISCRIMINATION- The Nebraska Fair Employment Practice Act prohibits contractors of the State of Nebraska, and their subcontractors, from discriminating against any employee or applicant for employment, to be employed in the performance of such contracts, with respect to hire, tenure, terms, conditions or privileges of employment because of race, color, religion, sex, disability, or national origin. (State Statute Sections 48-1101 through 48-1125) The bidder guarantees compliance with the Nebraska Fair Employment Practice Act, and breach of this provision shall be regarded as a material breach of contract. The contractor shall insert a similar provision in all subcontracts for services to be covered by any contract resulting from this Invitation to Bid.

TAXES- Purchases made by the State of Nebraska are exempt from the payment of Federal Excise Taxes, and exemption certificates will be furnished on request. State and local taxes are exempt by State Statute Section 77-2704 (f) (m) R.R.S. 1943 and must not be included in the bid prices. Exemption by statute precludes the furnishing of State exemption certificates.

DRUG POLICY - Bidder certifies that it maintains a drug free work place environment to ensure worker safety and workplace integrity. Contractor agrees to provide a copy of its drug free workplace policy at any time upon request by the State.

GRIEVANCE AND PROTEST- Grievance and protest procedure is available by contacting the buyer. Protest must be filed within ten (10) days of award.

NE ACCESS TECHNOLOGY STANDARDS- Vendor agrees to ensure compliance with Nebraska Access Technology Standards. See website at:

<http://www.nitc.state.ne.us/standards/accessibility/>

Revised: 02/2004

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CONTRACT NUMBER
12438 OC

PAGE 1 OF 4	ORDER DATE 03/24/09
BUSINESS UNIT 27227050	BUYER CONNIE HEINRICHS
VENDOR NUMBER: 501371	
VENDOR ADDRESS: SUPERIOR TRANSIT SALES, LLC DBA MINNESOTA BODY & EQUIPMENT 5535 ARBOR RD LINCOLN NE 68514-9723	

AN AWARD HAS BEEN MADE TO THE VENDOR NAMED ABOVE FOR THE FURNISHING OF EQUIPMENT, MATERIAL, OR SUPPLIES AS LISTED BELOW FOR THE PERIOD:

2009 Production Year

NO ACTION ON THE PART OF THE VENDOR NEEDS TO BE TAKEN AT THIS TIME. ORDERS FOR THE EQUIPMENT OR SUPPLIES WILL BE MADE AS NEEDED BY THE VARIOUS AGENCIES OF THE STATE.

THIS CONTRACT IS NOT AN EXCLUSIVE CONTRACT TO FURNISH THE EQUIPMENT OR SUPPLIES SHOWN BELOW, AND DOES NOT PRECLUDE THE PURCHASE OF SIMILAR ITEMS FROM OTHER SOURCES.

THE STATE RESERVES THE RIGHT TO EXTEND THE PERIOD OF THIS CONTRACT BEYOND THE TERMINATION DATE WHEN MUTUALLY AGREEABLE TO THE VENDOR AND THE STATE OF NEBRASKA.

Original/Bid Document 2817 OF

2009 or Current Production Year Small Buses as per the attached specifications for the 2009 Production Year.

Quantities stated are estimated only and shall not be construed to be either a minimum or a maximum. The orders shall be for the actual quantities of each item ordered by or for any agency during the life of the contract. Vendor shall not impose order requirements. The Unit Price is equal to the Base Price for items before the Option Bid List.

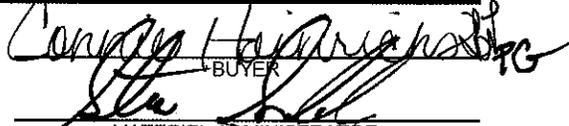
Delivery: 120 Days after receipt of chassis

The parties hereby agree that the following documents are incorporated into the contract resulting from this Invitation to Bid:

1. The signed Invitation to Bid Contract document;
2. The original ITB document;
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VENDOR NUMBER: 501371	

Line	Description	Est. Qty	Unit of Measure	Unit Price
1	Small Transit Bus 12 + 2 Ford Chassis	50	EA	43,141.0000
Bus Manufacturer: Star Trans by Supreme Corp. Standard vehicle and floor plan as shown in Figure 1, page 40				
2	Small Transit Bus 12 + 2 Chevrolet Chassis	50	EA	46,649.0000
Bus Manufacturer: Star Trans by Supreme Corp. Standard vehicle and floor plan as shown in Figure 1, page 40				
Options				
3	Raised floor	50	EA	650.0000
4	Additional wheelchair position with securement	50	EA	595.0000
(Additional wheelchair positions will be on driver side of vehicle)				
5	Deduct for removal of two-passenger seat	50	EA	175.0000-
to add wheelchair position or to add optional intergrated child seat with companion seat				
6	One integrated child seat with companion seat, aisle side flip up US armrest and under seat retractor seat belts	50	EA	785.0000
7	One Federal Motor Vehicle	50	EA	100.0000

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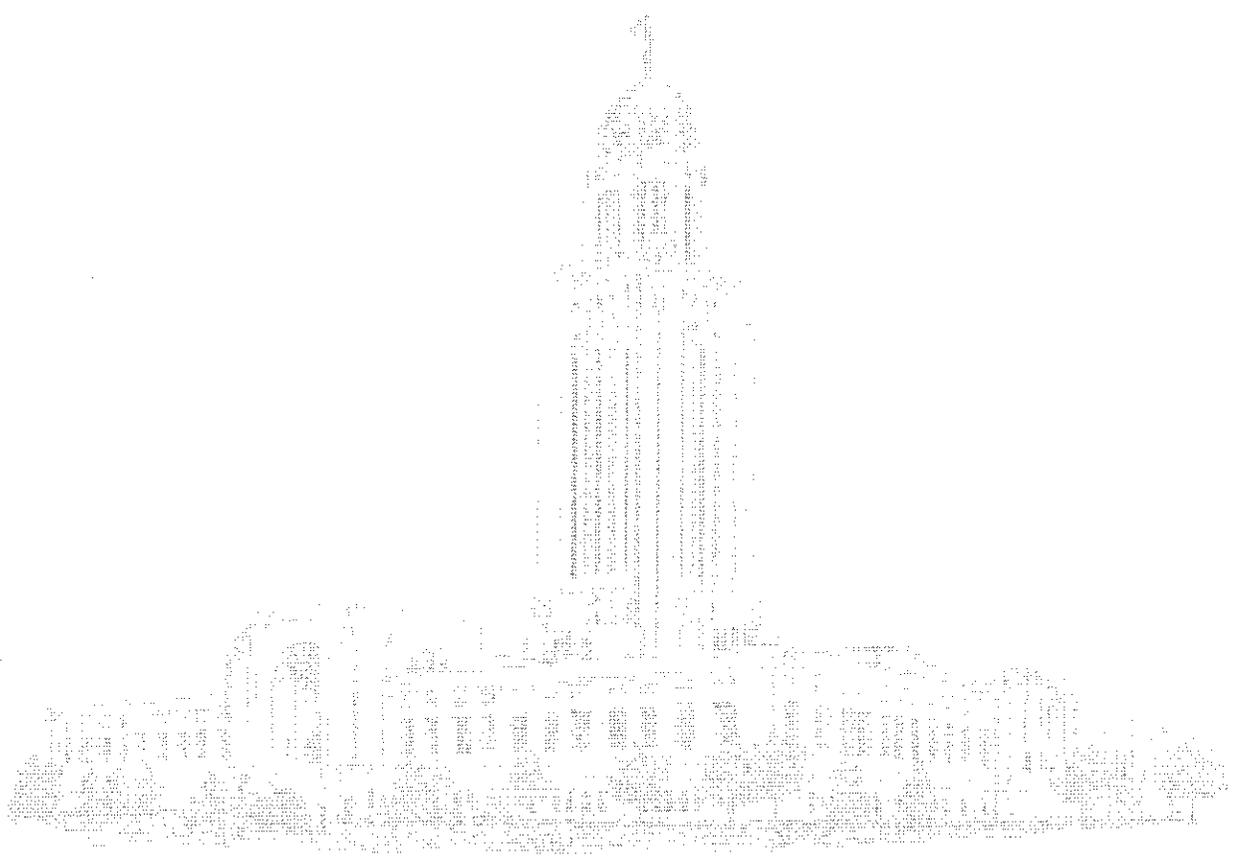
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Line	Description	Est. Qty	Unit of Measure	Unit Price
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Safety Standard (FMVSS) (CRS)

Child Restraint Systems (CRS) latch hook per double seat (hook installed on passenger seat near vehicle wall)

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IN-STATE PREFERENCE- A resident bidder shall be allowed a preference against a nonresident from a state which gives or requires a preference to bidders from that state. The preference shall be equal to the preference given or required by the state of the nonresident bidders. Where the lowest responsible bid from a resident bidder is equal in all respects to one from a nonresident bidder from a state which has no preference law, the resident bidder shall be awarded the contract. The provisions of this preference shall not apply to any contract for any project upon which federal funds would be withheld because of the provisions of this preference.

NONDISCRIMINATION- The Nebraska Fair Employment Practice Act prohibits contractors of the State of Nebraska, and their subcontractors, from discriminating against any employee or applicant for employment, to be employed in the performance of such contracts, with respect to hire, tenure, terms, conditions or privileges of employment because of race, color, religion, sex, disability, or national origin. (State Statute Sections 48-1101 through 48-1125) The bidder guarantees compliance with the Nebraska Fair Employment Practice Act, and breach of this provision shall be regarded as a material breach of contract. The contractor shall insert a similar provision in all subcontracts for services to be covered by any contract resulting from this Invitation to Bid.

TAXES- Purchases made by the State of Nebraska are exempt from the payment of Federal Excise Taxes, and exemption certificates will be furnished on request. State and local taxes are exempt by State Statute Section 77-2704 (l) (m) R.R.S. 1943 and must not be included in the bid prices. Exemption by statute precludes the furnishing of State exemption certificates.

DRUG POLICY - Bidder certifies that it maintains a drug free work place environment to ensure worker safety and workplace integrity. Contractor agrees to provide a copy of its drug free workplace policy at any time upon request by the State.

GRIEVANCE AND PROTEST- Grievance and protest procedure is available by contacting the buyer. Protest must be filed within ten (10) days of award.

NE ACCESS TECHNOLOGY STANDARDS- Vendor agrees to ensure compliance with Nebraska Access Technology Standards. See website at: <http://www.nitc.state.ne.us/standards/accessibility/>

Revised: 04/2005

**Specifications
for
Small Transit Bus 12 + 2**



**Nebraska Department of Roads
Rail and Public Transportation Division**

January 2009

**SPECIFICATIONS FOR
TRANSIT - SERVICE VANS**

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**PROCUREMENT REQUIREMENTS
FOR SMALL BUSES**

1. **GENERAL.** The following terms, conditions, and specifications shall apply to the purchase of small bus type passenger vehicles by the Nebraska Department of Roads.

Any explanation desired by a bidder regarding the meaning or interpretation of any technical specifications or bid procedures must be submitted in writing to the State Purchasing Bureau and clearly marked "ITB Number 2817 OF; Small Bus Questions." It is preferred that questions be sent via e-mail to matpurch.dasmat@nebraska.gov. Questions may also be sent by facsimile to 402-471-2089, but must include a cover sheet clearly indicating that the transmission is to the attention of Connie Heinrichs, showing the total number of pages transmitted, and clearly marked "ITB Number 2817 OF; Small Bus Questions."

Written answers will be provided through an addendum to be posted on the internet at <http://www.das.state.ne.us/materiel/purchasing.rfp.htm> on or before the date shown in the Schedule of Events.

- 1.1 **FLOOR PLAN.** A detailed floor plan showing all dimensions of the proposed vehicle should be submitted with the bid, but must be submitted prior to bid award; this should include but is not limited to location of access doors, seating, wheelwells, wheelchair lift and wheelchair positions, if applicable.
- 1.2 **WARRANTY PROVISIONS.** Each bidder should state in detail the warranty provisions covering the bid item(s), and the bidder's policy on freight charges for parts. This must be provided prior to bid award. The bidder to whom the contract is awarded shall assume full responsibility for all parts, materials, accessories and equipment - standard, optional or

specialty - used in the vehicle, and for their proper installation, whether manufactured by the Contractor or purchased by him from another source. Under no condition shall the Contractor delegate this responsibility to suppliers and/or other sources. The Contractor shall also provide full and competent engineering services to handle any, and correct all problems associated with the performance of the vehicle during its useful life. The Contractor's warranty shall cover parts, materials, and workmanship and shall apply for not less than a period of twelve (12) months or 12,000 miles, whichever occurs first. The 12,000 miles shall be in addition to any mileage shown by the vehicle's odometer upon delivery. If the Contractor's or manufacturer's standard warranty exceeds this, the standard warranty shall apply. The warranty shall include repair and/or replacement of defective parts (except tires and tubes) and labor. The warranty period shall begin upon delivery of the vehicle(s) by the Nebraska Department of Roads to the recipient agency, and the warranty described above shall run between the Contractor and the recipient agency.

1.3 ROYALTIES AND LICENSE FEES. The Contractor shall pay all royalties and license fees. He shall defend at his own cost all suits or claims for infringements of any patent rights, shall pay all awards of damages and all settlement agreements, and shall indemnify and save the U.S. Department of Transportation (DOT), the State of Nebraska, and the recipient agency to which the Nebraska Department of Roads delivers the vehicle(s) harmless from any loss on account of any such infringement, suit or claim.

1.4 FEDERAL MOTOR VEHICLE SAFETY STANDARDS AND AMERICAN WITH DISABILITIES ACT (ADA). The vehicles shall conform to all applicable Federal Motor Vehicle Safety Standards (FMVSS), Title 49 CFR Part 38, Subpart B ADA specs for Transportation Vehicles and Federal Motor Carrier Safety Regulations (FMCSR) as established by DOT (complete and submit certification on page 20). It shall also meet all applicable requirements of the Occupational Safety and Health Administration and of the

Environmental Protection Agency. Failure of these specifications to identify explicitly each such regulation shall not relieve the Contractor of the responsibility for compliance.

1.5 **MANUALS, MANUFACTURER'S STATEMENT OF ORIGIN (MSO) AND ETC.** The Contractor shall, prior to or upon delivery of any bid item(s) to the Department of Roads, provide the Department with copies of complete parts books, copies of maintenance manuals, copies of operating manuals, copies of drawings showing wiring schematics including all auxiliary systems, and all other manufacturer's prints necessary for the maintenance of the bid item(s) (CDs are acceptable with this information). At the same time, the Contractor shall provide the Department with detailed maintenance and inspection schedules incorporating the required maintenance and inspection of the basic vehicle and of each of its subsystems (e.g., wheelchair lifts) as prescribed by the respective manufacturers. In addition, the Contractor shall, upon delivery of the bid item(s), provide the Department with copies of the Contractor's warranty, the manufacturer's Original Statement of Origin or title to new vehicle, and all other documents necessary for securing title to the vehicle(s) in the name of the Nebraska Department of Roads. Title shall pass to the Department free and clear of all liens, mortgages and encumbrances, financing statements, securing agreements, claims; or demands of any character.

1.6 **PRIOR TO DELIVERY, EACH VEHICLE SHALL BE COMPLETELY SERVICED.** The servicing program shall not include less than the following operations: engine tune-up, lubrication, wheel alignment, front wheel balancing, wiring check, body conditioning, and all other inspections and tests normally performed on a new vehicle. Parts of this servicing program may be performed at the manufacturer's assembly plant if proper facilities are available there. However, delivery and final servicing checkup, including final body cleanup, must be made in an adequately equipped shop provided by the Contractor in the State of

Nebraska or a contiguous State. The Contractor shall furnish a completed checklist on the above items with each vehicle at the time of delivery.

- 1.7 **VEHICLE DELIVERY.** The bid item(s) shall be delivered to the Nebraska Department of Roads at 5001 South 14th Street, Lincoln, Nebraska, in first class condition, complete and ready for operation, and the Contractor shall assume all responsibility and liability incident to said delivery. Delivery shall be made between 8:00 a.m. and 3:00 p.m. local time on a day other than Saturday, Sunday or a holiday. The vehicle(s) shall have been serviced and shall be in road-ready condition with not less than a FULL tank of gasoline when delivered, and the odometer(s) shall not reflect more than 1,250 miles driven.

Prior to delivery of any vehicles to the Department of Roads, the successful bidder must notify the appropriate individual(s) in the Rail and Public Transportation Division of the Nebraska Department of Roads at least two working days before the delivery of vehicles. The contact person(s) will be established in the post award meeting with the successful bidder.

A maximum of five completed vehicles shall be allowed to be delivered to the Nebraska Department of Roads at one time. All appropriate documents must accompany each vehicle in order that the Nebraska Department of Roads can take possession of each vehicle after it has passed inspection by the State.

No other vehicle will be allowed to be delivered until previous vehicles have passed inspection and all appropriate documents have satisfied the State's requirements in order that possession can be taken by the State.

- 1.8 **IF VEHICLE DOES NOT COMPLY.** In the event any bid item delivered by the Contractor does not comply with these specifications, conditions and requirements as, accepted by the Contractor, said bid item shall not be considered as being delivered. Further, if any bid item is delivered incomplete or contains any defective or damaged parts, said parts shall be

removed and new parts shall be furnished by the Contractor. The new parts furnished, including the transportation charges for same plus the labor for the removal and installation of said parts shall be free of all costs to the Nebraska Department of Roads or to the recipient agency to which the Department delivers the vehicle. Acceptance of delivery of the bid item(s) shall not release the Contractor from liability for faulty workmanship or materials appearing even after final payment has been made.

1.9 **GRIEVANCES AND PROTESTS.** Administrative procedures for filing grievances/protests, by a vendor, relating to the contract award are as follows:

1. Within ten (10) calendar days of the contract award, grievances/protests are to be expressed in writing to the Materiel Division Administrator, Administrative Services, P.O. Box 94847, Lincoln, NE 68509-4847. The letter should state the bid number and specific issues that are to be addressed.
2. A response will be made by the Materiel Division Administrator.
3. If the response from the Materiel Division Administrator has not satisfied the grievance of the vendor, a protest letter is to be sent to the Director of Administrative Services, Room 1315, State Capitol, P.O. Box 94664, Lincoln, Nebraska 68509-4664.
4. A meeting will be scheduled with the vendor, the ordering agency (optional) the Materiel Division Administrator and the Director of Administrative Services to discuss the issues.

5. A written response of the final decision by the Director of Administrative Services will be sent to the vendor.

Step 3 may be eliminated if the vendor opts to grieve simultaneously to both the Materiel Division Administration and the Director of Administrative Services.

If the vendor protesting the award of contract does not agree with the final decision in the administrative process, the vendor may then protest to the Federal Transit Administration (FTA) in accordance with FTA Circular 4220.1B.

- 1.10 **TERMINATION FOR CONVENIENCE.** The State of Nebraska may terminate this contract, in whole or in part, at any time with a 30-day written notice to the Contractor. The Contractor shall be paid its costs, including contract closeout costs, and profit on work performed up to the time of termination. The Contractor shall promptly submit its termination claim to be paid the Contractor. If the Contractor has any property in its possession belonging to the State, the Contractor shall account for the same, and dispose of it in the manner the State Purchasing Administrator directs.
- 1.11 **TERMINATION FOR DEFAULT.** If the Contractor does not deliver bid items in accordance with the contract delivery schedule, or if the Contractor fails to perform in the manner called for in the contract, or if the Contractor fails to comply with any other provisions of the contract, the State of Nebraska may terminate this contract for default. Termination shall be effected by serving a notice of termination on the Contractor setting forth the manner in which the Contractor is in default. The Contractor will only be paid the contract price for items delivered and accepted.

1.12 **NO OBLIGATION BY THE FEDERAL GOVERNMENT.** The purchaser and Contractor 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, Contractor, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.

1.13 **PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS.** The Contractor 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 Contractor certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or cause to be made, pertaining to the underlying contract of the FTA assisted project for which this contract work is being performed. In addition to other penalties that may be applicable, the Contractor further acknowledges that if it makes, or causes to be made, a false, 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.

1.14 **FEDERAL CHANGES.** Contractor shall at all times comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the current FTA Master Agreement between purchaser and FTA, as they may be amended or promulgated from time to time during the term of this contract. Contractor's failure to so comply shall constitute a material breach of this contract.

1.15 **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 4220.1D, dated April 15, 1996, and amended August 4, 1998, 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 Contractor shall not perform any act, fail to perform any act, or refuse to comply with any State requests, which would cause the State to be in violation of the FTA terms and conditions.

1.16 **CIVIL RIGHTS.** The following requirements apply to the underlying contract:

(1) **Nondiscrimination** - In accordance with Title VI of the Civil Rights Act, 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 Contractor agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, or disability. In addition, the Contractor 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 Contractor agrees to comply with all applicable equal 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, or age. Such action shall include, but not be limited to, the following, 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 Contractor agrees to comply with any implementing requirements FTA may issue.

(b) **Age** - 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 Contractor 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.

(c) **Disabilities** - In accordance with Section 102 of the Americans with Disabilities Act, as amended, U.S.C. 12112, the Contractor 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 Contractor agrees to comply with any implementing requirements FTA may issue.

(3) The Contractor 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.

**1.17 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER
RESPONSIBILITY MATTERS.**

Instructions for Certification

By signing and submitting this bid or proposal, the prospective lower tier participant certifies to the following:

- A. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the State may pursue available remedies, including suspension and/or debarment.
- B. The prospective lower tier participant shall provide immediate written notice to the State if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
- C. The terms “covered transaction,” “debarred,” “suspended,” “ineligible,” “lower tier covered transaction,” “participant,” “persons,” “principal,” “proposal,” and “voluntarily excluded,” as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549 [49 CFR Part 29]. You may contact the State for assistance in obtaining a copy of those regulations.
- D. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized in writing by the State.
- E. The prospective lower tier participant further agrees by submitting this proposal that it will include the clause titled “Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction”, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

F. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List issued by U.S. General Service Administration.

G. Nothing contained in the foregoing shall be construed to require establishment of system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

H. Except for transactions authorized under paragraph D of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to all remedies available to the Federal Government, the State may pursue available remedies including suspension and/or debarment.

**Certification Regarding Debarment, Suspension, Ineligibility and Voluntary
Exclusion - Lower Tier Covered Transaction”**

(1) [The prospective lower tier participant certifies, by submission of this bid or proposal,] that neither it nor its “principals” [as defined at 49 C.F.R. 29.105(p)] is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

(2) When the prospective lower tier participant is unable to certify to the statements in this certification, such prospective participant shall attach an explanation to this proposal.

1.18 **ENERGY CONSERVATION REQUIREMENTS.**

By signing and submitting this bid or proposal, the prospective lower tier participant certifies that it will 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.

1.19 **CLEAN WATER REQUIREMENTS.**

By signing and submitting this bid or proposal, the prospective lower tier participant certifies that it will comply with all applicable standards, orders or regulations issued to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. The Contractor 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.

The Contractor also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FTA.

1.20 **CLEAN AIR REQUIREMENTS.**

By signing and submitting this bid or proposal, the prospective lower tier participant certifies that it will 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 Contractor 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.

The Contractor also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FTA.

1.21 **BUS TESTING.** The Contractor [Manufacturer] agrees to comply with 49 U.S.C. A 5323(c) and FTA's Implementing 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 prior to award unless the Department of Roads already has a copy on file.

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.

Complete certification on page 16.

1.22 **PRE-AWARD AND POST-DELIVERY AUDIT REQUIREMENTS.** The Contractor agrees to comply with 49 U.S.C. 5323(1) and FTA's implementing regulation at 49 CFR Part 663 and to submit the following certifications:

(1) **Buy America Requirements:** The Contractor shall complete and submit a declaration certifying either compliance or noncompliance with Buy America with their bid. If the Bidder/Offeror certifies compliance with Buy America, it shall submit documentation, prior to bid award, which lists a) component and subcomponent parts of the rolling stock to be

purchased identified by manufacturer of the parts, their country of origin and costs; and b) 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 cost of final assembly.

(2) **Solicitation Specification Requirements:** The Contractor shall submit evidence that it will be capable of meeting the bid specifications.

(3) **Federal Motor Vehicle Safety Standards (FMVSS):** The Contractor shall submit the manufacturer's FMVSS self-certification sticker information that the vehicle complies with relevant FMVSS.

Complete the certification on page 16 and page 20.

1.23 **RESTRICTIONS ON LOBBYING.** The certification on page 17 must be signed by a legally authorized representative of the Bidder's firm and returned with the bid.

1.24 **BUY AMERICA.** The Contractor agrees to comply with 49 U.S.C. 5323 (j)(2)(C) and 49 CFR Part 661.11, rolling stock not subject to a general waiver must be manufactured in the United States and have a 60 percent domestic content. The certification on page 16 and 18 must be signed by a legally authorized representative of the Bidder's firm and returned with the bid.

1.25 **DISADVANTAGED BUSINESS ENTERPRISES (DBE).** In accordance with Title 49 of the Code of Federal Regulations, Part 26, Subpart C, Section 26.49 Special Provisions for Transit Vehicle Manufacturers, it is a requirement that each vehicle manufacturer must certify compliance with this section as a condition of authorization to bid on transit vehicle purchases, which are utilizing Federal Transit Administration funds. The regulation provides that the Transit Vehicle Manufacturer will certify that:

1. They have submitted annual overall DBE goals to FTA; and that,

2. FTA has either approved their overall goals, or that FTA has not disapproved their overall goals.

The certification on page 19 must be signed by a legally authorized representative of the bidder's firm and returned with the bid. A Transit Vehicle Manufacturer failing to make this certification is considered non-responsive and cannot be awarded the contract.

1.26 LICENSING REQUIREMENTS.

All bidders must comply with the licensing requirements for motor vehicle dealers established under the Motor Vehicle Industries Licensing Act, Nebraska Revised Statutes, Chapter 60, Article 14. The licensing requirements must be met at time of bid opening for the bid to be valid. Bidder must include copy of current Nebraska Motor Vehicle Dealer License prior to bid award.

1.27 FACTORY INSPECTION.

Prior to the delivery of the first vehicle to the Nebraska Department of Roads, two representatives from the Department of Roads and the successful bidder's authorized representative will do an inspection of the bid vehicle at the successful bidder's manufacturer. Adequate indoor facilities shall be available to conduct the inspection without interference of the weather. The vehicle must meet the requirements of the specifications prior to any further units being produced under the awarded contract.

Travel costs for transportation, meals and lodging for each representative of the Department of Roads shall be at the vendor's expense until the inspection is complete. Travel arrangements for the inspection must be at the convenience and approval of the appropriate Department of Roads' officials.

CERTIFICATION OF COMPLIANCE WITH FTA'S BUS TESTING REQUIREMENTS

The undersigned [Contractor/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. In addition, the undersigned understands that FTA may suspend or debar a manufacturer under the procedures in 49 CFR Part 29.

Date: 3/11/09

Company Name: Startons, Supreme Corporation

Signature of Contractor's Authorized Official: Jerry Smith

Name and Title of Contractor's Authorized Official: Jerry Smith, Sales Mgr.

See item 1.21, Page 13

CERTIFICATE OF COMPLIANCE WITH PRE-AWARD AND POST-DELIVERY AUDITS OF ROLLING STOCK

The bidder will supply the items called for under 1.5 of these specifications.

Date: 3/11/09

Company Name: Minnesota Body & Equipment

Signature of Contractor's Authorized Official: Jerry Smith

Name and Title of Contractor's Authorized Official: Jerry Smith, Sales Mgr.

See item 1.22, Page 13

CERTIFICATION REGARDING LOBBYING

The undersigned {Contractor} certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned to any person for 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 or other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contracts 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 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 Fed. 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 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.]

The Contractor, MINNESOTA BODY & EQUIPMENT, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. A 3801, et seq., apply to this certification and disclosure, if any.

Date: 3/11/09

Company Name: MINNESOTA BODY & EQUIPMENT

Signature of Contractor's Authorized Official: Jerry Smith

Name and Title of Contractor's Authorized Official: Jerry Smith, Sales Mgr

BUY AMERICA

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

The bidder hereby certifies that it will comply with the requirements of Section of 49 U.S.C. 5323(j)(2)(C) and the regulations at 49 CFR Part 661.

Date: 3/11/09

Company Name: MINNESOTA Body & Equipment

Signature of Contractor's Authorized Official: Jerry Smith

Name and Title of Contractor's Authorized Official: Jerry Smith, Sales Mgr.

See item 1.24 page 14.

Certificate for Non-Compliance With 49 U.S.C. 5323(j)(2)(C)

The bidder hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j)(2)(C), but may qualify for an exception pursuant to 49 U.S.C. 5323(j)(2)(B) or (j)(2)(D) and the regulations in 49 CFR, 661.7.

Date: _____

Company Name: _____

Signature of Contractor's Authorized Official: _____

Name and Title of Contractor's Authorized Official: _____

See item 1.24, Page 14

DISADVANTAGED BUSINESS ENTERPRISES CERTIFICATION

The following certification must be signed by a legally authorized representative of the Bidder's firm and returned with the bid.

The Bidder certifies that the transit vehicle(s) to be provided under this quotation will be provided by a manufacturer which is in compliance with Special Provisions for Transit Vehicle Manufacturers, Title 49 of the Code of Federal Regulations, Part 26, Subpart C, Section 26.49.

Date: 3/11/09

Company Name: MINNESOTA BODY & EQUIPMENT

Signature of Contractor's Authorized Official: Jerry Smith

Name and Title of Contractor's Authorized Official: Jerry Smith, Sales Mgr.

See item 1.25, Page 14

MINNESOTA Body & Equip.

FEDERAL MOTOR VEHICLE SAFETY STANDARDS CERTIFICATION

I, *Jeery Smith* certify that the vehicle bid will meet the following FMVSS:
(Name of Vendor/Agent)

- 101 Controls location and identification
- 102 Transmission shift lever sequence
- 103 Windshield defrosting and defogging
- 104 Windshield wiping and washing system
- 105 Hydraulic brake system
- 106 Brake hoses
- 108 Lights and reflectors
- 111 Rear view mirrors
- 113 Hood latch system
- 115 Vehicle identification number
- 116 Hydraulic brake fluids
- 119 New pneumatic tires
- 120 Tire selection and wheels for buses
- 124 Accelerator control system
- 204 Steering system reward movement
- 205 Glazing materials (window glass)
- 206 Door lock and door retention components
- 207 Anchorage of seats
- 208 Occupant restraints
- 209 Seat belt assemblies
- 210 Seat belt assembly anchorage
- 217 Bus window strength and emergency release
- 220 School bus rollover protection
- 221 School bus body joint strength
- 301 Fuel system integrity
- 302 Flammability of interior materials
- 403 Platform lift systems for motor vehicles
- 404 Platform lift installation in motor vehicles

Jeery Smith, Sales Mgr.
Signature

3/11/09
Date

SPECIFICATIONS FOR SMALL TRANSIT BUS 12 + 2

3.1 GENERAL REQUIREMENTS:

The manufacturer of the bus body must be certified to be in compliance with Quality Standards of the ISO (International Organization for Standardization) 9001:2000 with regard to the sale, design and manufacture of the bus. Bidder must provide proof that bus manufacturer is certified by ISO and a copy of the manufacturer's ISO Certification should accompany bid, but must be submitted prior to bid award.

The vehicle to be procured must provide suitable public transportation in light transit or paratransit service. It must serve the needs of the physically and mentally handicapped, including those who must travel in wheelchairs. It will be operated primarily in rural and small urban areas.

At times, the vehicle may be operated at or near maximum legal speeds on highways or on rural roads. Consequently, crashworthiness and operating safety are of paramount importance. Passenger comfort and convenience are also highly important, and the vehicle must provide increased headroom, a low entrance step, and a high-quality interior trim and seating package. Seating must afford adequate hip-to-knee room and leg room for arthritic or rheumatic passengers of the physical dimensions given for a 95th percentile male by SAE Recommended Practice J833.

The vehicle must operate reliably in ambient temperatures ranging from -25° to +115° F, and must be equipped with climate control and engine cooling systems that will cope with such extremes for extended periods. In addition, oils, greases, and fluids used in subsystems such as wheelchair lifts must be suitable for such temperatures.

The vehicle may be operated by transportation providers who lack a backup vehicle. To preclude unnecessarily extended down times, complete warranty and after-sales service must be available in Nebraska for the completed vehicle and for all installed subsystems, including air conditioning systems, wheelchair lifts, and so on. Bidders should furnish with their bids the name and address of the agency that will be responsible for such service activities but must be submitted prior to bid award.

3.2 DEFINITIONS: The following are definitions of special terms used in these specifications:

3.2.1 Curb Weight. The "as delivered" weight of the vehicle with all equipment required for operation, all equipment required by these specifications, and with maximum fuel, oil, and coolant, but without driver or passengers.

3.2.2 Heavy-duty. Where used in these specifications, the term "heavy-duty" shall mean that the item to which it is applied is to exceed the usual quality or capacity of similar items normally supplied as standard equipment, and that the item shall be capable of withstanding unusual stress, temperature, wear, exposure, and/or use.

Vehicle meets or exceeds requirement

Yes No

3.3 CRASHWORTHINESS:

The body and roof structure of the vehicle shall withstand a static load equal to 150 percent of the curb weight, as defined in Section 3.2.1. above, evenly distributed on the roof with no more than a 6-inch reduction in any interior dimension. When the roof is fully loaded as specified above, each

emergency exit of the vehicle provided in accordance with FMVSS No. 217 shall still be capable of opening as specified in that standard.

Vehicle meets or exceeds requirement
Yes No

3.4 GENERAL DIMENSIONS AND CAPACITIES:

3.4.1 Gross Vehicle Weight Rating (GVWR). Gross vehicle weight rating shall be no less than the sum of curb weight as defined in paragraph 3.2.1 above plus 150 pounds for the driver and for each passenger seating position other than a folding jump seat plus 300 pounds for each wheelchair space provided.

3.4.2 Seating Capacity. The vehicle must be capable of accommodating a wheelchair lift, the driver, at least two standard wheelchairs with seated passengers, and no fewer than twelve ambulatory passengers seated in regular passenger seats installed as specified in Section 3.11.2, page 34.

3.4.3 Interior Width. Minimum 85 inches.

3.4.4 Interior Headroom. Minimum 73 inches.

3.4.5 Overall Width (excluding mirrors). Maximum 96 inches.

3.4.6 Overall Height (including safety vent). Maximum 117 inches. A vehicle clearance sticker indicating the maximum height of the vehicle in feet and inches shall be provided and located in easy view of the driver, preferably above the windshield directly in front of the driver.

3.4.7 Wheelbase. Minimum 158 inches.

Vehicle meets or exceeds requirement

Yes No

3.5 CHASSIS AND RELATED SYSTEMS:

- 3.5.1 **Chassis.** 2009 or Current Production Year cutaway Ford minimum GVWR of 14,500 pounds, 2009 or Current Production Year Chevrolet cutaway minimum GVWR of 14,200 pounds.
- 3.5.2 **Engine.** minimum 6.0L gasoline.
- 3.5.3 **Cooling.** Manufacturer's heavy duty, increased capacity. Permanent ethylene glycol-base antifreeze protection to 30 degrees below zero Fahrenheit required.
- 3.5.4 **Steering.** Manufacturer's recommended power steering.
- 3.5.5 **Brakes.** Manufacturer's recommended power service brakes designed for the GVWR of the vehicle.
- 3.5.6 **Transmission.** Automatic.
- 3.5.7 **Differential.** Manufacturer's recommended gear ratio.
- 3.5.8 **Shock Absorbers.** Heavy-duty shock absorbers are required, both front and rear, if available by manufacturer.
- 3.5.9 **Wheels and Tires.** Dual rear wheels shall be provided on vehicle. The vehicle shall be equipped with two front and four rear matching wheels and tires. Wheels and tires shall be adequate to comply with manufacturer's GVWR of vehicle. All wheels' color shall be compatible to the exterior color of the vehicle. Radial tires required.
- 3.5.10 **Fuel Tank.** Minimum 30 gallons.
- 3.5.11 **Bumpers and Tow Hooks.** Manufacturer's standard bumper is acceptable. Rear tow hooks required.

Vehicle meets or exceeds requirement

Yes No

3.5.12 **Throttle.** An auto-throttle system that senses when the electrical current draw exceeds alternator output and increases the engine idle RPM while the vehicle is stationary.

3.5.13 **Alternator.** Minimum 130 amperes.

3.5.14 **Batteries.** Manufacturer's heavy-duty dual batteries with at least one mounted on a slide-out battery tray, such as that produced by Kwikkee Products Co., Drain, Oregon or equivalent. The sliding tray shall be enclosed with entry through a key lock door and located under the body behind the entry door on the passenger side of the vehicle.

3.5.15 **Speed Control/Tilt Steering Wheel.** Manufacturer's required.

3.5.16 **Back-up Alarm.** Back-up alarm required.

3.5.17 **Emergency Flashers.** The wiring for emergency flashers shall utilize the turn signal bulbs in lieu of the brake light bulbs, so the emergency flash will work when the brake pedal is depressed.

3.5.18 **Mud Flaps.** Mud flaps front and rear required.

3.5.19 **Exhaust.** Vehicle shall have street side exhaust system (exits the left side of vehicle) behind rear axle and a minimum of 3" ahead of the rear bumper. Exhausts that run closer than 8" to the fuel tank must have metal heat shields or clamp on heat shield jacket between the exhaust and fuel tank.

3.5.20 **Rear Suspension.** Rear suspension shall be equipped with Mor/ride rubber suspension or approved equivalent.

Vehicle meets or
exceeds requirement
Yes No

3.6 AUXILIARY SYSTEMS, MISCELLANEOUS PARTS, AND ACCESSORIES:

3.6.1 Exterior Lighting. The exterior lighting system shall conform to the requirements of FMVSS No. 108 and 49 CFR Part 38 Subpart B 38.31.

3.6.2 Interior Lighting. The interior lighting system shall provide bright floor surface illumination in the entryway and aisle, when required. A separate overhead lamp shall be provided for the driver's use. All lamps shall operate with or without the engine running, and the entrance steps shall be automatically illuminated whenever the entrance doors are open, day or night and conform to 49 CFR Part 38 Subpart B 38.31.

3.6.3 Heating and Defrosting System. The heating system shall have at least two unit type heaters, one located in the driver's area and one in the passenger area. The output of each heater shall be individually adjustable by means of controls easily reached by the seated driver. There shall also be a standard windshield defrosting and defogging system that meets or exceeds the performance requirements of SAE J382.

3.6.4 Air-conditioning System. The system shall have two separate air-conditioners (dual compressor) a factory installed dash-mounted unit (13,000 BTU min.) and an auxiliary unit for the passenger area. The auxiliary unit shall have its own compressor, a skirt mounted condenser with a free blowing evaporator and a minimum output of 52,000 BTU/hr. The output of each unit shall be individually adjustable by means of controls easily reached by the seated driver. A detailed description of the air-conditioning units should be submitted with each bid, but must be submitted prior to bid award.

Vehicle meets or
exceeds requirement
Yes No

3.6.5 **Windshield Wipers and Washers.** Dual, electrically driven wipers (with intermittent wipe) and washers shall be furnished, and the washing fluid reservoir shall have a capacity of no less than one quart.

3.6.6 **Rearview Mirrors.** Interior mirror 6" x 9" convex mirror minimum shall be provided to afford a view of the passengers and roadway to the rear. Dual exterior mirrors with 15" Mirror Head Standard (2 in 1) Flat and Convex Glass.

3.6.7 **Sun Visor.** A fully adjustable interior sun visor shall be provided for the driver. The sun visor shall not interfere with the driver's view of the rearview mirrors.

3.6.8 **Horn.** The vehicle shall be equipped with an OEM horn.

3.6.9 **Controls and Instruments.** All controls shall be within the driver's arm reach with seat belt fastened. Instrumentation shall include an oil pressure gauge, a coolant temperature gauge, a charge indicator with graduated charge-discharge scale, and an engine hourmeter.

3.6.10 **AM-FM Radio and Speaker System.** A good quality, 10-watt minimum power output, push-button AM-FM stereo radio with a minimum of four speakers shall be provided. The speakers shall be positioned to allow for balanced audio coverage within the vehicle. At least two speakers shall be mounted in the forward area and a minimum of two speakers shall be mounted at least halfway to the back of the vehicle. The speakers shall be enclosed so as to provide protection from damage and all wiring shall be concealed. A balance control for the front and rear speaker shall be provided and located within easy reach of the driver.

Vehicle meets or
exceeds requirement
Yes No

3.7 EMERGENCY EQUIPMENT:

3.7.1 First Aid Kit. A 12-unit first aid kit provided with instruction for the use of its contents shall be securely mounted in a location readily accessible to the driver.

3.7.2 Fire Extinguisher. A UL approved fire extinguisher shall be bracket mounted in a location readily accessible to the driver. Size shall be no less than five-pound with a total rating of not less than 2A, 10-B:C or UL approved equivalent.

3.7.3 Warning Devices. A kit of three folding bi-directional emergency reflective triangles that conform to the requirements of FMVSS No. 125 shall be provided.

3.7.4 Safety Vent. A Dual Purpose Safety Low Profile roof vent such as that manufactured by Transpec, Inc., Model Series 1970 or equivalent shall be provided. Safety vent exterior height shall not exceed 2" above vehicle roof. This will be mounted according to the directions of the manufacturer near the middle of the passenger compartment.

3.7.5 Bloodborne Pathogens Kit. Will be provided with a minimum of the following items: Latex Gloves, CPR Mask, Goggles, Apron, Disinfectant Wipes, Absorbent and Scoop, and an I.D. tag and red plastic bag.

Vehicle meets or
exceeds requirement

Yes

No

3.8 **BODY:**

3.8.1 **Structure.** The body structure shall be steel reinforced fiberglass or steel reinforced plastic that will withstand flexing or fatigue that would make the vehicle unfit for safe and weather-tight operation. The exterior body panels shall be constructed of gel-coated fiberglass reinforced plastic. The body structure shall form an integrated unit. All points, such as joints and corners, at which stress concentrations may occur shall be reinforced as needed to carry required loads and withstand road shock. All structural framing shall be designed and constructed so that each member carries its proportionate share of stresses. Framing members shall be of durable channel, box, hat, zee, or similar cross section. End posts shall be designed to resist shear, and vertical members shall be securely fastened to under frame components so that the entire structure shall act as one unit without any movement at the joinings.

3.8.2 **Body Exterior.** Fiberglass reinforced plastic shall be used for the construction of the bus body securely fastened to the interior structural members. The entire body shall be thoroughly tested by the final-stage manufacturer and made as nearly dust-proof and watertight as practicable.

3.8.3 **Roof.** Roof construction may employ steel, aluminum, or fiberglass panels. The requirements in Section 3.3 must be met.

Vehicle meets or
exceeds requirement
Yes No

3.8.4 **Body Interior.** Inner lining panels shall be gel-coated fiberglass reinforced plastic. Wood or fiber panels shall not be used. To minimize the need for vertical seams, all interior panels shall extend full-length longitudinally, where practical. Where seams are unavoidable, all exposed edges shall be beaded, hemmed, or flanged with the rearward components lapped over the forward components.

3.8.5 **Floor.** A ¾ inch thick underlayment shall be applied over a lower metal floor structure. The ¾" underlayment shall be equivalent to a marine grade plywood or material that meets or exceeds this requirement and is impervious to moisture. The edges shall be sealed prior to being attached over the lower metal floor structure. The underlayment floor shall be laid with no gaps or opening.

3.8.6 **Wheel Housings.** The housings shall provide ample clearance for operating the fully loaded vehicle with tire chains and with unrestricted steering. Splash aprons and fenders shall be provided if tires extend beyond the sides of the vehicle.

3.8.7 **Access Hatches.** Access panels or hatches shall be provided where needed to service transmission, engine, radiator, battery, air conditioning components, and so on.

3.8.8 **Anti-corrosion Treatment.** All metallic body components, including the surfaces of those interior body panels and posts that are to be covered by insulation or trim materials, shall be thoroughly protected against corrosion by means such as bonderizing or the application of multiple coats of zinc chromate primer. All nuts, bolts, clips, washers, clamps, and like fasteners shall be zinc- or cadmium-plated or phosphate-coated to prevent corrosion.

Vehicle meets or exceeds requirement
Yes No

3.8.9 **Insulation.** The ceiling and all inside walls of the vehicle shall be moisture proof and contain thermal and acoustic insulating characteristics. The insulating material shall have a minimum of R-5 rating.

3.8.10 **Undercoating.** The entire body/frame under-structure of the vehicle shall be fully undercoated with nonflammable resin-type material, polyoleum, or the equivalent in accordance with vehicle chassis standards.

Vehicle meets or exceeds requirement
Yes No

3.9 **WINDSHIELD AND WINDOWS:**

3.9.1 **Safety Requirements.** All glazing materials shall conform to the requirements of FMVSS No. 205. All windows shall conform to the requirements of FMVSS No. 217, and emergency egress shall be provided as specified in that standard.

3.9.2 **Side Windows.** At least 3,700 square inches of window space shall be furnished in addition to windows installed in doors. Windows shall be T-side panel type. All side windows shall be top vented to allow for ventilation and provide a clear view to the outside from each passenger seat position. All windows shall be tinted.

3.9.3 **Rear Windows.** A rear window surface area of no less than 390 square inches shall be provided and must provide emergency egress from the vehicle.

Vehicle meets or exceeds requirement
Yes No

3.10 **DOORS:**

3.10.1 **Entrance Door and Stepwell.** The vehicle shall be equipped with a two section, jackknife or split type main entrance door located opposite the driver. The door shall be at least 80" high. The door control shall be manually operated with over center linkage of the self-locking type, and shall

be easily operated by the seated driver with seat belt fastened. The stepwell shall be corrosion-resistant steel. Step treads shall be at least 9" deep. The entry step shall be 12" (plus or minus 1") above ground level and subsequent step risers shall be no greater than 10".

Vehicle meets or exceeds requirement
Yes No

3.10.2 Driver's Door and Running Board. A front-hinged, sedan type door with roll-down window and exterior key lock shall be provided at the left-hand side of the driver's seat. A driver's side running board that runs from the front wheel mud flap to a minimum of 4 inches past the back of the driver's door that will accommodate a driver weighing up to 325 pounds shall be provided. Running board at a minimum shall be 8 inches wide at the mid area of the driver door to allow adequate surface for safe entry and exit of vehicle. Running board shall be secured to the vehicle with steel braces that are rust resistant. Running board deflection shall not be greater than 1/4" when used to enter and exit vehicle by driver.

Vehicle meets or exceeds requirement
Yes No

3.11 SEATS AND AISLE:

3.11.1 Driver's Seat. Multi-position cloth driver's seat, such as 9500 series cut-away driver seat by Freedman Seating Company of Chicago, Illinois, with wide back, mechanically adjustable lumbar, infinitely adjustable back, adjustable headrest, solid pan backrest, bilateral adjustments, fore/aft adjustments, and front adjustable flip-up right side armrest or approved equivalent shall be provided. The seatbelt assembly shall be a combination of pelvic and upper torso-restraint (Type 2) with retractors. The seatbelt assembly and seatbelt anchorages shall conform to the requirements of FMVSS Nos. 207, 208, 209, and 210.

3.11.2 **Passenger Seats.** All cloth double passenger seats with flip up aisle US armrest, aisle side seat grab handles on top of mid-back or mid-hi seats with lumbar support mounted on track. Seat back height from the top of the seat cushion will be a minimum of 22". Each passenger seating position shall be equipped with an under seat retractor seat belt assembly and belt anchorages that conform to the requirements of FMVSS Nos. 209 and 210. Leg room, the horizontal distance forward from the front surface of a seat cushion to the rear of another seat or other obstruction shall be no less than 10 inches.

Vehicle meets or exceeds requirement
Yes No

3.11.3 **Color and Fabric for Passenger Seats.** Color of fabric shall be FXC by CMI Metropolis-Blue treated with antibacterial and antimicrobial agents by Freedman Seating Company or approved equivalent.

3.11.4 **Aisle.** Aisle width shall be no less than 15 inches.

Vehicle meets or exceeds requirement
Yes No

3.12 **WHEELCHAIR ACCOMMODATIONS:**

3.12.1 **Lift Access Doors.** Split type outward-opening lift access doors located on the right-hand side of the vehicle to the rear of the right rear wheelwell as shown in Figure 1, page 40 shall be provided. The lift access doors shall be constructed so as to be equivalent in strength and materials to other areas of the body and shall be fitted with weather seals at all edges so as to exclude dust and moisture. Minimum vertical opening of the doors shall be 68 inches. The minimum door clear opening width when doors are fully opened shall be 44 ½ inches. The doors shall be equipped with windows with bottoms approximately aligned with those of the main side windows and of the maximum width appropriate to the width of the doors. The windows shall conform to the requirements of Section 3.9.1 above. Both doors shall

be fitted with latching mechanisms to secure each door when closed. One door shall have a locking latch which allows both doors to be securely locked when closed. Gas shocks or spring resistant door restraints shall be provided to hold the doors in the fully open position while the lift is in operation. An interlock shall also be provided to disable all lift controls whenever the doors are closed.

Vehicle meets or exceeds requirement
Yes No

3.12.2 **Wheelchair Lift.** A front pump 12-volt, fully automatic, electrohydraulic or electromechanical, folding platform wheelchair lift with a design load of not less than 600 pounds shall be installed inside the lift access doors. Installation of the lift shall not diminish the vehicle's structural integrity.

The platform lift shall be certified by the manufacturer to meet the requirements of DOT 49 CFR Part 38. The brand name and model number of the lift to be provided should be identified and manufacturer's literature should be included with the bid, but must be submitted prior to bid award.

When in the stowed configuration, all parts of the lift shall be completely housed within the vehicle.

The platform shall measure at least 34 inches wide by 51 inches long. The platform shall be equipped with a hydraulic powered automatic outboard roll stop. The barrier shall be erected automatically by means that prevent deactivation of the barrier while the platform is unfolded and is more than four inches above the ground or curb.

The platform shall rise and descent smoothly with no sudden acceleration, deceleration, or jerking motion while bearing any load up to and including 100% of the design load in ambient temperatures of -25° to +115° F.

The entire lift electrical system shall be protected by a master circuit breaker. Maximum operating current shall not exceed 180 amps. Lift control switches housed in a hand-held, weatherproof switch box shall be provided. The switch box shall permit remote control of all lift functions and shall be connected to the end of a flexible, cut-resistant electrical cable of sufficient length to allow safe, convenient lift operation by an attendant in the vehicle or standing on the ground beside the lift door. There shall be two mounting areas for securing the handheld control box when not in use. One shall be provided for access from within the vehicle and the other from outside the vehicle when lift doors are open. All lift controls shall be clearly labeled so as to be easily understood. Wheelchair lift and installation shall comply with Federal Motor Vehicle Safety Standards 403 and 404.

Vehicle meets or exceeds requirement
 Yes No

3.12.3 Wheelchair Transport Space. At least two functional wheelchair transport spaces shall be provided. The spaces shall be located as shown in Figure 1. Each such space shall be at least 30 inches wide and 48 inches long.

3.12.4 Wheelchair Securement. Each wheelchair space shall be equipped with securement devices to meet the requirements of DOT 49 CFR Part 38 such as the auto-tensioning, auto locking retractor wheelchair securement system with tension knobs for tightening produced by Sure-Lok or equivalent consisting of the following items:

1. Kit No. AL712S – 4C five retractor kit – Series L.

Kit contains:

Two – AL700855S Auto-tensioning retractors with right-hand tightening knob, stud fitting and S hook.

Two – AL700907S Auto-tensioning retractors with left-hand tightening knob, stud fitting and S hook.

One – AL700771 Fixed-point mount occupant restraint retractor with height adjuster and triangular fitting.

One – AL700771-I Occupant restraint buckle connector assembly with triangular fitting.

2. FE8705 Web Cutter
3. FE200750 Quick Strap – 4 per position
4. FE200878 Mesh Storage Container
5. SLCE03 Training Program CD (one per vehicle)
6. FE751-01-PD4 series L track, or approved equivalent.

Each wheelchair position shall have separate track. Location of the mesh storage container and the Series L track to be determined at first installation.

Track shall be installed according to the manufacturer's recommendations.

Vehicle meets or
exceeds requirement
Yes No

3.13 STANCHIONS, MODESTY PANELS, AND HANDRAILS:

3.13.1 Stanchions. Vertical, floor-to-ceiling stanchions shall be installed on the right hand side of the aisle behind the stepwell and behind the rearmost position of the driver's seat. Stanchion behind the driver seat must allow driver seat to recline to maximum extent possible with seat position slid back to the rear-most position. A clear Plexiglas or Lexan shield shall be located behind the driver above the lower panel of the stanchion separating the driver compartment from the passenger compartment. The shield shall provide handholds for support as passengers are walking up the aisle.

3.13.2 Modesty Panels. A horizontal guardrail and sheet metal barrier panel or hardboard laminate panel shall be installed as shown in Figure 1. The guardrails shall not be less than 30 inches above the floor, and the barrier panels shall extend from the guardrails to within 8 inches of the floor.

All stanchions, handrails and guardrails shall be constructed of corrosion resistant steel tubing with a minimum outside diameter of 1.25 inches. Urethane foam padding with a minimum 3/8-inch wall thickness shall be applied to the tubing so that guardrails are fully padded and stanchions are padded from within 3 inches of the ceiling to within 3 inches of the floor.

3.13.3 Handrails and Stanchions. Handrails and stanchions must be provided to meet the requirements of 49 CFR Part 38 Subpart B 38.29.

All stanchions, handrails, and guardrails shall be securely anchored to frame members or to solid bracing. Any sharp edges or protruding fasteners or brackets that might harm passengers or clothing shall be eliminated or protected.

There shall be handrails on each side of the passenger doorway. A minimum of one handrail shall run parallel to the steps and be easily accessible to aide passengers when negotiating the entry steps.

Vehicle meets or exceeds requirement

Yes No

3.14 **PRIORITY SEATING SIGN** shall be furnished as required by 49 CFR Part 38 Subpart B 38.27.

Vehicle meets or exceeds requirement

Yes No

3.15 **INTERIOR FINISH:**

All materials used in the passenger compartment, including upholstery, padding, floor covering, and insulation shall conform to the requirements of FMVSS No. 302, and materials that emit toxic gases as by-products of combustion shall not be used.

Floor covering shall be Altro Transflor Meta 2.2 mm, color 903 storm distributed by CompassFlooring, Inc., San Francisco, California, or approved equivalent. Entrance step treads shall be yellow vinyl step nosing. The floor covering shall be installed according to the recommendation of its manufacturer. In addition, 4 mm diameter PVC weld rod shall be inserted by hot air gun into 'V/U' grooved joints.

Those interior surfaces that are not padded or covered with a decorative vinyl surface shall be appropriately primed and finished with a top-quality Acrylic enamel. Color of paint and other interior finishing materials shall harmonize with the vehicle's exterior finish.

Vehicle meets or
exceeds requirement
Yes No

3.16 EXTERIOR FINISH:

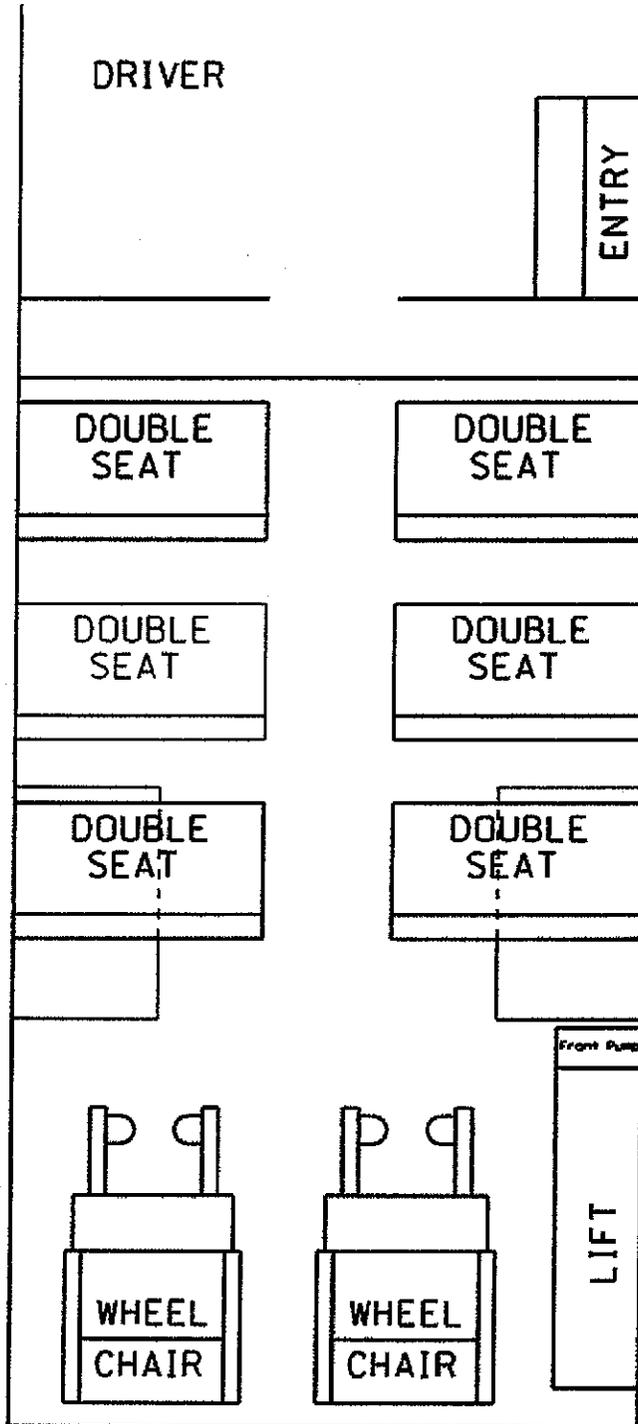
The exterior color shall be white. All exterior surfaces shall be smooth and free of visible wrinkles and dents. To assure a proper bond between the basic surface and successive coats of paint, exterior surfaces to be painted shall be properly cleaned and primed, as appropriate for the paint used, prior to application of the paint. Exterior surfaces to be painted shall be finished with a top-quality Acrylic paint applied according to the recommendations of its manufacturer. The paint shall be applied smoothly and evenly with the finished surface free of dirt, runs, orange peel, and other imperfections.

Vehicle meets or
exceeds requirement
Yes No

3.17 OPTIONAL RAISED FLOOR FOR ADDITIONAL WHEELCHAIR POSITION:

This option calls for a true raised floor, not a double floor, to provide a flat surface from behind the driver to the rear of the vehicle eliminating the protrusion of the wheelwells in the vehicle, for the purpose of additional wheelchair positions. The headroom provided in this area should be a minimum of 72 inches.

Figure 1



Bidders Checklist

The following items **must** be submitted with the bid.

- 1. Submit signed certifications (*pages 16, 17, 18, 19 and 20*).
 - a. Buy America certification as per 49 CFR, Part 663.25
 - b. Purchaser's requirements certification as per 49 CFR, Part 663.27
 - c. A manufacturer's Federal Motor Vehicle Safety Certification as per 49 CFR, Part 663.41

The following items **should** be submitted with the bid, but **must** be submitted prior to bid award.

- 1. A detailed floor plan showing all dimensions of the proposed vehicle. (*Reference 1.1, page 1*)
- 2. State in detail warranty provisions covering the bid item(s) (*Reference 1.2, page 1*)
- 3. Copy of the Altoona Bus Testing Report for vehicle bid if not on file with the Nebraska Department of Roads. Please indicate if on file with NDOR _____. (*Reference 1.21, page 13*)
- 4. Pre-Award Requirements submitted (*Reference 1.22, page 13*)
- 5. Furnish a copy of the current Nebraska Motor Vehicle Dealer License (*Reference 1.26, page 15*)
- 6. Furnish ISO Certification (*Reference 3.1, page 21*)
- 7. Furnish name and address of the agency that will be responsible for after-sale service (*Reference 3.1, page 22*)
- 8. A detailed description of the air conditioning units (*Reference 3.6.4, page 26*)
- 9. The brand name and model number of the lift to be provided should be identified and manufacturer's literature should be included with the bid (*Reference 3.12.2, page 34*)
BRAUN MILLENIUM 34" X 51" PLATFORM
NL 919 FIB

INVITATION TO BID (ITB) ADDENDUM

Addendum Number: ONE

Date of Addendum: March 3, 2009

Original Opening Date and Time: March 12, 2009 at 2:00 p.m.

Buyer: Connie Heinrichs

Solicitation Number: 2817 OF

SCOPE OF ADDENDUM

Revised Schedule of Events

	ACTIVITY	DATE/TIME
1	State Responds to Written Questions Through an Addendum to be posted to the internet at: http://www.das.state.ne.us/materiel/purchasing/itb.htm	3/03/09 3/04/09
2	Bid Opening Location: Nebraska State Office Building State Purchasing Bureau 301 Centennial Mall South, Mall Level Lincoln, NE 68508	3/12/09 2:00 p.m. Central Time

This addendum will become part of the bid and should be acknowledged with the ITB.

Received & noted 3/11/09
Jerry Sulak

ADDENDUM TWO

DATE: March 4, 2009

TO: All Vendors

FROM: Connie Heinrichs, Buyer

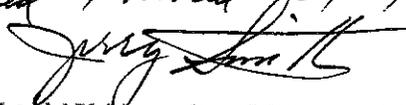
 State Purchasing Bureau

RE: Questions and Answers for 2817 OF

 to be opened March 12, 2009, at 2:00 p.m.

Following are the questions submitted and answers provided for the above mentioned Invitation To Bid. The questions and answers are to be considered as part of the Invitation To Bid.

QUESTIONS	ANSWERS
1. Please accept the Elkhart Coach exterior widths of 93 1/2" when measured from sidewall to sidewall and 102 1/4" when measured from fender flare to fender flare (Page 23, Section 3,4,5 – Overall Width)	The specifications will remain as stated.
2. Please accept the Elkhart Coach body design as an approved equal. Structurally our buses will be built using the materials and methods outlined in the attached document titled ECII Structural Summary. These methods and materials have passed a 7 year/200,000 mile Altoona test and are FMVSS and Ford QVM certified (including FMVSS 220 and 221). Variances from these methods and materials may jeopardize our certifications. (Page 29-30, Section 3.8.1, 3.8.2, 3.8.3, 3.8.4 – Body)	The specifications will remain as stated.

Received & noted 3/11/09


Material Division • Steve Sulek, Acting Administrator

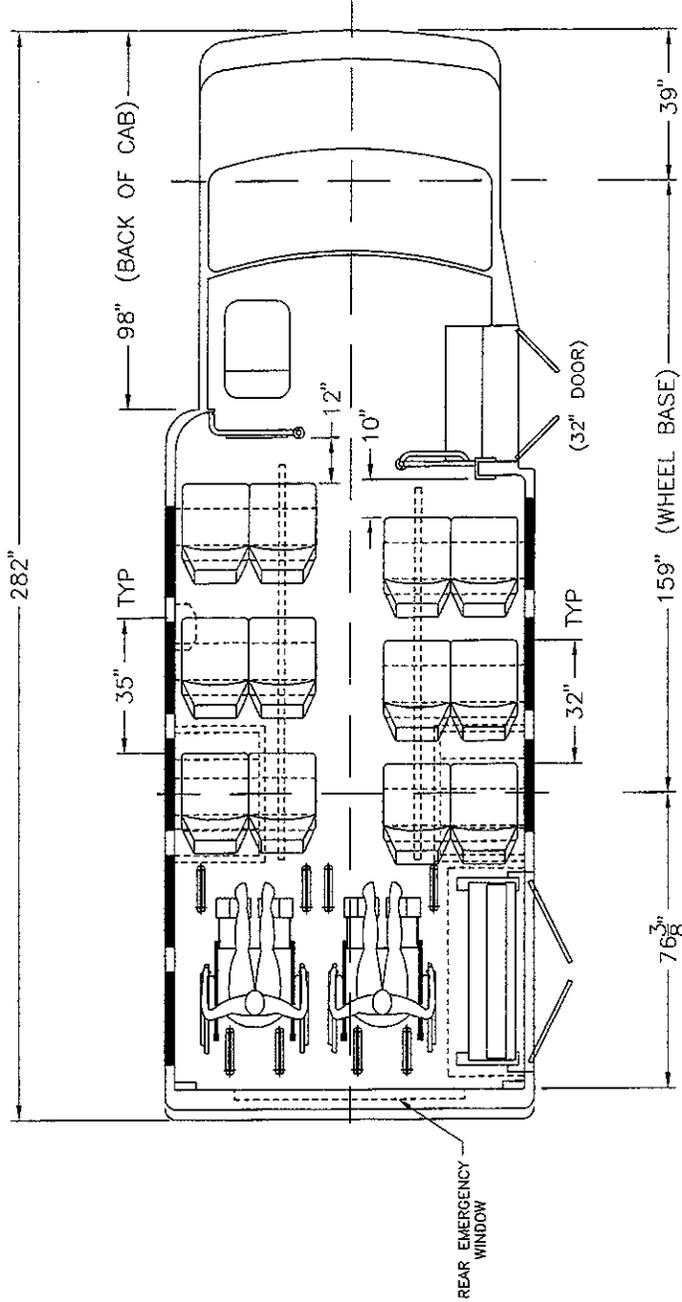
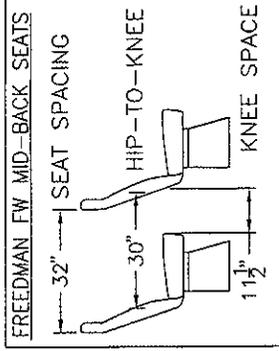
QUESTIONS	ANSWERS
<p>3. Please accept Nanochem gray self-etching primer as the anti-corrosion agent used on metal body parts. It is flame resistant and water soluble. An information sheet titled Primer Nanochem has been provided Zinc chromate has been categorized as a hazardous material. (Page 30, Section 3.8.8 – Anti-corrosion Treatment)</p>	<p>Section 3.8.8 is amended to include Nanochem gray self-etching primer as an anti-corrosion agent used on metal body parts.</p>
<p>4. Please accept Q'Straint QS-6100-FPD L Track as an approved equal to Sure-Lok L track number FE751-01-PD4. Information and pull test result for this track have been provided and are titled Q'Straint Pull Test and Q'Straint Track Comparison. (Page 36, Section 3.12.4 – Wheelchair Securement)</p>	<p>Section 3.12.4 is amended to include Q'Straint QS-6100-FPD L Track, Sure-Lok or equivalent wheelchair securement system.</p>
<p>5. Please clarify the length of the contract in months if applicable. (Invitation to Bid Contract)</p>	<p>The length of the contract is for the 2009 or Current Production Year based on the manufacturer's build date provided by the vendor.</p>
<p>6. Please allow price increases and/or decreases from the chassis manufacturer to be passed on to the State during the length of the contract (Standard Conditions & Terms)</p>	<p>Prices shall remain firm for the duration of the initial 90 days of the contract period. If adjustments are necessary at the end of this period, a request for increase must be submitted in writing to the State Purchasing Bureau at least thirty (30) days prior to the effective date and accompanied by supporting manufacturer's documentation indicating percentage of increase. The supporting documentation must clearly establish the increase is for all customers, not to the State of Nebraska alone.</p> <p>The State further reserves the right to reject any proposed price increase within 15 days of receipt, cancel the contract and re-bid if determined it is in the best interest of the State. No price increases are to be billed without prior written approval by the State Purchasing Bureau.</p> <p>It is understood and agreed that in the event of a reduction in the manufacturer's published standard price list for all or any portion of the proposed items, the State of Nebraska will be given full benefit of such decline in price immediately.</p>

QUESTIONS	ANSWERS
7. Please specify if preference will be given to who are "in-state" residents. (Standard Conditions & Terms)	The State of Nebraska does not have any in-state preference laws.
8. Please clarify whether the low bidder will be determined using the base bus price only OR using the base bus price combined with the option prices. (Standard Conditions & Terms)	The low bidder will be determined using the base bus price (Items 1 and 2). The remaining items are a part of the contract but not a part of the award decision.
9. Paragraph 1.2: Please clarify how required notification to the various manufacturers will be addressed if the warranty starts when delivered to end user? The preferred method, and industry standard, is that warranty begins at the mileage and date of delivery to the acceptance agency.	The specifications will remain as stated. The mileage and date the vehicle is turned over to the final recipient will be supplied to the successful vehicle vendor.
10. Paragraph 1.6: Please explain what constitutes verification that a vehicle has been aligned at delivery?	The completed checklist for each vehicle at the time of delivery constitutes verification that the vehicle has been aligned.
11. Paragraph 3.4.6: Regarding the vehicle height sticker, do you want that applied to the upper left hand corner of the windshield?	As indicated in 3.4.6, preferably above the windshield directly in front of the driver. This needs to be easily viewed by the driver.
12. Paragraph 3.6.3: Please state the size of the rear heater desired. Standard sizes are 35,000 or 65,000 Btu. If the desired size is not stated we cannot be held responsible for the rear heat performance.	The heating unit should be the manufacturer's standard heating unit for the bus size being bid.

QUESTIONS	ANSWERS
<p>13. Our hybrid system is available on the Ford E450 platform through five different bus body suppliers. It meets Buy America specifications, is Altoona-tested, and qualifies for a \$3,000 Federal tax credit if purchased by a taxable entity. Users are seeing a 30-40% fuel economy improvement over a comparable conventional bus in heavy stop-and-go duty cycles.</p> <p>Hybrid electric buses are a great opportunity to provide significant fuel economy savings while reducing vehicle emissions, providing agencies in Nebraska with the "green" technology that so many forward-thinking organizations are seeking today. Please find attached some basic information on our Balance Hybrid Electric Drive system and shuttle bus. If you have questions or would like more information, please contact Tom Lincoln in our Michigan office; see below.</p>	<p>The specifications will remain as stated.</p>

FEATURES:

- 24" x 34" T-SLIDER WINDOWS
- L-TRACK (FLANGED) OTHERS AVAILABLE



TOLERANCES
 FLOORPLAN DIMS: 1/16"
 FRACTIONAL DIMS: 1/16"
 2 PLACE DECIMAL DIMS: 1/100"
 3 PLACE DECIMAL DIMS: 1/1000"

AVAILABLE ALSO ON EXPRESS 6.0G CHASSIS.

THE SUPREME CORP. CLAIMS PROPRIETARY RIGHTS IN THE MATERIAL DISCLOSED HEREON. NEITHER THIS DRAWING NOR ANY REPRODUCTION THEREOF MAY BE USED TO MANUFACTURE ANYTHING SHOWN HEREON WITHOUT PERMISSION IN WRITING FROM SUPREME CORP. TO THE USER SPECIFICALLY REFERRING TO THE DRAWING.

WAW=OK (14,200 GVWR)

MODEL: CHEVY EXPRESS 4500 6.6D
 DWG SCALE: 3/8" = 1'
 PLOT SCALE: 1" = 4.8'

STARTRANS
 TRANSIT BUS DIVISION
 GOSHEN, IN 46526

EXPRESS CORPORATION

BY: *Scott Adams*

DATE: 2/24/09

REVISION DESCRIPTION

BY: DATE:

TITLE (OR COMMENTS): 12 PASS & 2 W/C, REAR LIFT

SERIES: BS22 SENATOR PARATRANSIT

FILE LOC & FILE NUMBER: QUOTE/ST02Q902

PART NUMBER: QUOTE

BIDDERS CHECKLIST

2. Warranty provisions:

Ford and Chevrolet chassis shall be the standard warranty as issued by each chassis Manufacturer for the current production year.

The Supreme StarTrans body is warranted for structural defects for 5yrs/75,000 Miles and 12 months/12,000 miles for all other items.

Rear A/C System is covered for 2 yr/unlimited miles.

Braun Millennium W/C Lift is warranted per attachment.

Chassis warranty shall be provided by any authorized, franchised Ford or Chevrolet Dealer selected by the end user. The bus body and associated equipment will be warranted by Minnesota Body & Equipment and shall be notified by the end user when and if the need arises and at that time, it will be determined if a serviceman will be dispatched to perform the warranty or if a local service shop will be employed by Minnesota Body & Equipment to perform the warranty at no cost to the customer. The same policy applies to the A/C and W/C Lift items. In all cases, no warranty shall be performed until Minnesota Body & Equipment has been notified and the customer has received authorization for any local repairs from Minnesota Body & Equipment.

Most warranty (if within reasonable distance) will be performed in Lincoln, Ne. by Minnesota Body & Equipment's local contractor "Walker Tire Commercial Truck Center". Further contact information will be provided at time of delivery!

7. Name and address of agency for after-sale service: Please see item #2.

Also, Minnesota Body & Equipment is responsible for service at 5535 Arbor Rd., Lincoln, Ne., 68514, Telephone # 402-325-8408 or 888-456-7831



3/9/09

Superior Transit Sales dba Minnesota Body & Equipment

Re: Pre-Award Buy America – State of Nebraska

<u>Category</u>	<u>Item</u>	<u>City – State</u>	<u>% of Cost</u>	<u>% of Domestic</u>
Chassis	Ford	Avon Lake, OH	40	85
Body	Supreme Corp.	Goshen, IN	12	90
Lift	Braun Corp.	Winamac, IN	6	90
Seats	Freedman Seating	Chicago, IL	5	90
Air Conditioning	TransAir	Dallastown, PA	5	80
W/C Tiedowns	Sure-Lok Corp.	Branchburg, NJ	2	60

Specifically identified U.S. manufactured components, as a percentage of the total materials, are 70% of total content.



3/9/09

Superior Transit Sales dba Minnesota Body & Equipment

Re: Pre-Award Buy America – State of Nebraska

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W/C Tiedowns	Sure-Lok Corp.	Branchburg, NJ	2	60

Specifically identified U.S. manufactured components, as a percentage of the total materials, are 70% of total content.

FEE \$200

2009

NO. DL-06054

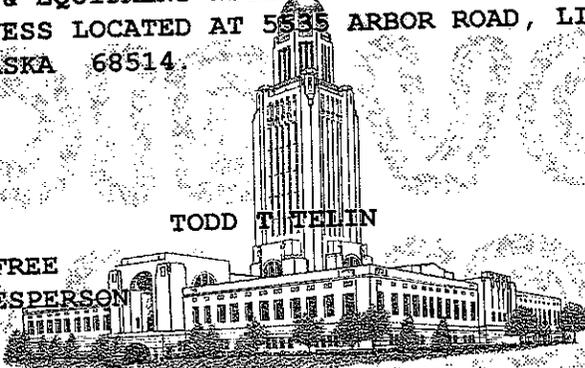
STATE OF NEBRASKA
MOTOR VEHICLE INDUSTRY LICENSING BOARD

MOTOR VEHICLE/TRAILER DEALER
LICENSE

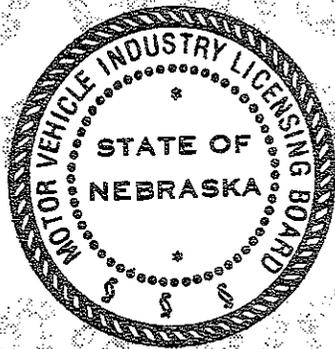
WILLIAM S. JACKSON, EXECUTIVE DIRECTOR
OF NEBRASKA MOTOR VEHICLE INDUSTRY LICENSING BOARD DO HEREBY CERTIFY
THAT
SUPERIOR TRANSIT SALES, LLC D/B/A MINNESOTA
BODY & EQUIPMENT WITH PRINCIPAL PLACE OF
BUSINESS LOCATED AT 5535 ARBOR ROAD, LINCOLN,
NEBRASKA 68514.

TODD T. TELIN

FREE
SALESPERSON



IS DULY LICENSED TO ENGAGE IN THE ACTIVITIES AS INDICATED ABOVE, IN
ACCORDANCE WITH CHAPTER 60, ARTICLE 14 R.R.S 1943, AS AMENDED,
SUBJECT TO THE LIMITATIONS IMPOSED BY LAW DURING THE CALENDAR
YEAR OF 2009.



William S. Jackson

EXECUTIVE DIRECTOR

THIS LICENSE MUST BE PROMINENTLY DISPLAYED

08501

FEE \$400

2009

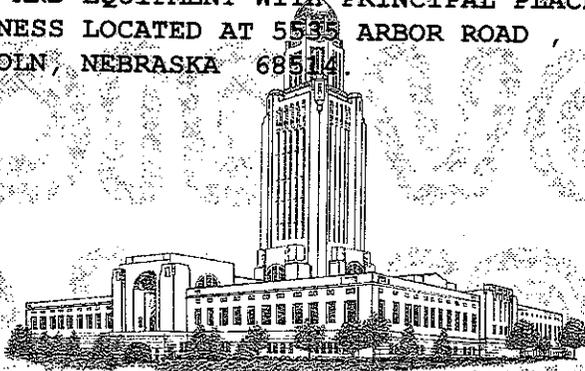
NO. DS-00171

STATE OF NEBRASKA
MOTOR VEHICLE INDUSTRY LICENSING BOARD

DISTRIBUTOR
LICENSE

WILLIAM S. JACKSON, EXECUTIVE DIRECTOR
OF NEBRASKA MOTOR VEHICLE INDUSTRY LICENSING BOARD DO HEREBY CERTIFY

THAT
SUPERIOR TRANSIT SALES, LLC D/B/A MINNESOTA
BODY AND EQUIPMENT WITH PRINCIPAL PLACE OF
BUSINESS LOCATED AT 5535 ARBOR ROAD,
LINCOLN, NEBRASKA 68514.



IS DULY LICENSED TO ENGAGE IN THE ACTIVITIES AS INDICATED ABOVE, IN
ACCORDANCE WITH CHAPTER 60, ARTICLE 14 R.R.S 1943, AS AMENDED,
SUBJECT TO THE LIMITATIONS IMPOSED BY LAW DURING THE CALENDAR
YEAR OF 2009.



A handwritten signature in cursive script that reads "William S. Jackson".

EXECUTIVE DIRECTOR

THIS LICENSE MUST BE PROMINENTLY DISPLAYED

08509

FEE \$ 15.00

2009

NO.

STATE OF NEBRASKA
MOTOR VEHICLE INDUSTRY LICENSING BOARD

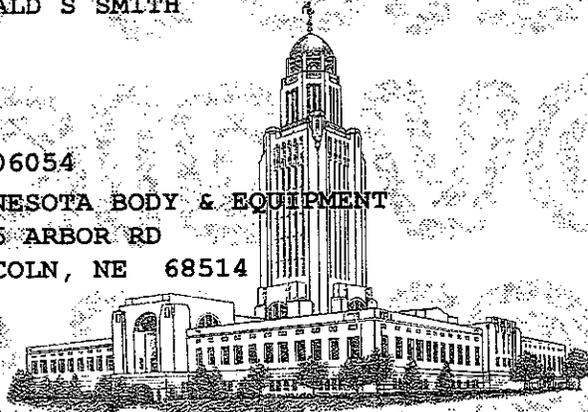
**SALESPERSON
LICENSE**

WILLIAM S. JACKSON, EXECUTIVE DIRECTOR
OF NEBRASKA MOTOR VEHICLE INDUSTRY LICENSING BOARD DO HEREBY CERTIFY

THAT

GERALD S SMITH

DL-06054
MINNESOTA BODY & EQUIPMENT
5535 ARBOR RD
LINCOLN, NE 68514



IS DULY LICENSED TO ENGAGE IN THE ACTIVITIES AS INDICATED ABOVE, IN
ACCORDANCE WITH CHAPTER 60, ARTICLE 14 R.R.S 1943, AS AMENDED,
SUBJECT TO THE LIMITATIONS IMPOSED BY LAW DURING THE CALENDAR
YEAR OF 2009.



EXECUTIVE DIRECTOR

THIS LICENSE MUST BE PROMINENTLY DISPLAYED

08502



CERTIFICATE OF ASSESSMENT

StarTrans Bus
2592 E. Kercher Road
Goshen, In 46528

The Integrated Management Systems Group, LLC certifies that the management system of the above organization has been audited and found to be in accordance with the requirements of the management system standards and scope of supply detailed below:

Design and Manufacture of Cut Away and Midsize Vehicles, Vans, Trolleys and Related Support Products and Services for the Transportation Industry.

Certification Standard

ISO 9001:2000

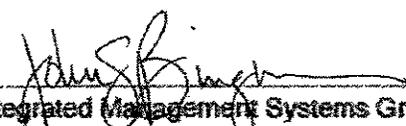
Original Approval Date: October 1, 2007

Subject to the continued satisfactory operation of the Organization's Management System, this certificate will remain valid until: October 1, 2010

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization.

Certificate No: 07-505

Issue Date: October 1, 2007


Integrated Management Systems Group, LLC
www.imsgllc.net



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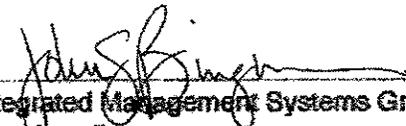
ISO 9001:2000

Original Approval Date: October 1, 2007

Subject to the continued satisfactory operation of the Organization's Management System, this certificate will remain valid until: October 1, 2010

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization.

Certificate No: 07-505
Issue Date: October 1, 2007


Integrated Management Systems Group, LLC
www.imsgllc.net

Federal Motor Vehicle Safety Standards

The following is a brief summary of all applicable FMVSS Title 49 (Federal Motor Vehicle Safety Standards) of which Supreme Startrans Cutaway Buses comply. Complete and up to date copies of the FMVSS worksheets supporting test data is available upon request by calling 1-877-258-1391 or writing to Supreme Corporation, Startrans Bus Division, P.O. Box 463, Goshen, IN 46528.

Definitions: OEM Original Equipment Manufacturer
FSM Final Stage Manufacturer

FMVSS 101 Control Location, Identification and Illumination

* This is certified by the OEM and the FSM does not alter these controls.

FMVSS 102 Transmission Shift Lever Sequence & Starter Interlock

* This is certified by the OEM and the FSM does not alter their system.

FMVSS 103 Windshield Defrosting and Defogging System

* This is certified by the OEM and the FSM does not alter their system.

FMVSS 104 Windshield Wiping and Washing System

* This is certified by the OEM and the FSM does not alter their system.

FMVSS 105 Hydraulic Brake System

* This is certified by the OEM and the FSM does not alter their system.

FMVSS 106 Brake Hoses

* This is certified by the OEM and the FSM does not alter their hoses.

FMVSS 108 Lamps, Reflective Devices & Associated Equipment

* The devices installed by the OEM and the FSM meet all requirements.

FMVSS 111 Rearview Mirrors

* The mirrors added by the FSM meet all requirements.

FMVSS 113 Hood Latch System

* This is certified by the OEM and the FSM does not alter their system.

FMVSS 115 Vehicle Identification Number

* This is certified by the OEM and the FSM does not alter their numbers.

FMVSS 116 Hydraulic Brake Fluids

• This is certified by the OEM and the FSM does not alter their system.

FMVSS 119 New Pneumatic Tires for Vehicles other than Passenger Cars

* This is certified by the OEM and the FSM does not alter their tires or rims.

FMVSS 120 Tire Selection and Rims for Motor Vehicles Other Than Passenger Cars

* This is certified by the OEM and the FSM does not alter their tires or rims.

FMVSS 124 Accelerator Controls

* This is certified by the OEM and the FSM does not alter their system.

FMVSS 125 Warning Devices

* This is not a requirement of the OEM or FSM. This is a requirement the end user must meet.

FMVSS 205 Glazing Material (Windows)

* The windows supplied by the OEM and the FSM meet all requirements.

FMVSS 207 Seating Systems

* The seating supplied by the OEM and the FSM meet all requirements.

FMVSS 208 Occupant Crash Protection

* This is certified by the OEM and the FSM does not alter their system.

FMVSS 209 Seat Belt Assemblies

* The seat belts supplied by the OEM and the FSM meet all requirements.

FMVSS 210 Seat Belt Assemblies Anchorages

* The seat belt assemblies' anchorages supplied by the OEM and the FSM meet all requirements.

FMVSS 217 Bus Window Retention and Release

* The windows installed by the FSM meet all requirements.

FMVSS 220 School Bus Rollover Protection

* Even though this is not a requirement for transit buses, Supreme has tested to this standard and meets all requirements.

FMVSS 221 School Bus Body Joint Strength

* Even though this is not a requirement for transit buses, Supreme has tested to this standard and meets all requirements.

FMVSS 301 Fuel System Integrity

* This is certified by the OEM and the FSM does not alter their system.

FMVSS 302 Flammability of Interior Materials

* The interior materials supplied by the OEM and the FSM meet all requirements.

Trans/Air / AC Industries System Comparison

Trans/Air				A/C Industries			
T/A System	BTU	Evap	Cond	A/C System	BTU	Evap	Cond
700	30K	70	FRC	331	26K	EM-14	FRC
702	40K	70	SMC2	332	26K	EM-14	CM-2
712	40K	71	SMC2	442	40K	EM-2	CM-2
713	48K	71	SMC3L	552	48K	EM-1	CM-2
712S 460	53K	71	SMC2	N/A	.	.	.
712S 7.3	53K	71	SMC2	N/A	.	.	.
733	53K	73	SMC3L	553	52K	EM-1	CM-3
733S 460	68K	73	SMC3L	553 MAX 460	67K	EM-1	CM-3
733S 7.3	68K	73	SMC3L	553 MAX 7.3	67K	EM-1	CM-3
774S 460	80K	77	(2) SMC2	862 460	76K	EM-3	(2) CM-2
774S 7.3	80K	77	(2) SMC2	862 7.3	76K	EM-3	(2) CM-2
776S 460	95K	77	(2) SC-3	N/A	.	.	.
776S 7.3	95K	77	(2) SC-3	N/A	.	.	.

SYSTEM:

TA712 Super

GENERAL

Configuration:

TRANS/AIR evaporator, condenser, and compressor installed separately from the OEM chassis compressor, dash air evaporator, and frontal radiator condenser.

Evaporator:

TA71

Condenser:

SMC2S

Compressor:

9 CID minimum

TOTAL SYSTEM

Capacity:

53,000 BTU

Rating Conditions:

95 ambient, 60 df WB, 35 Delta T Condenser Rating

CFM:

800 @ 0 static

Amerage:

28.4 @ 13.5 VDC on high maximum

EVAPORATOR

Model:

TA71

Capacity:

40,000 BTU

Coil Construction:

Aluminum on 3/8" copper tubes

Rows:

(4)

Face Area:

216 square inches minimum

Expansion Valve:

Commercial grade block type

Blowers:

(1) @ 800 CFM @ 0 static

Blowers Wheels:

(2) 4.5" Diameter minimum

Total CFM:

800

Motors:

Double shaft, permanent magnet

Amperage:

11 @ 13.5 VDC maximum

CONDENSER

Model:

SMC2S

Capacity:

40,000 BTU (up to 59,000 BTU's, dependent upon rating conditions)

Coil:

Slant design

Coil Construction:

Aluminum fins on 3/8" copper tubes

Rows:

(4)

Face Area:

404 square inches minimum

Motors:

(2) pancake type

Motor Type:

Sealed, permanent magnet, single speed

Amperage:

14.4 @ 13.5 VDC Maximum

Fans:

(2) 10" @ 700 CFM each

Total CFM:

1400

Filter Drier:

30 cubic inches R-12 / R-134A compatible

Sight Glass:

@ front of coil

Condenser Housing:

Aluminum

CONTROLS

Model:

Basic II

Fan Controls:

(3) position rocker switch off / low / high @ driver

Temp Controls:

Manual thermostat

Temperature Sensor:

In return air or @ driver

MISC.

Hose:

Goodyear Galaxy

Wiring:

Color coded in fire proof loom

Warranty:

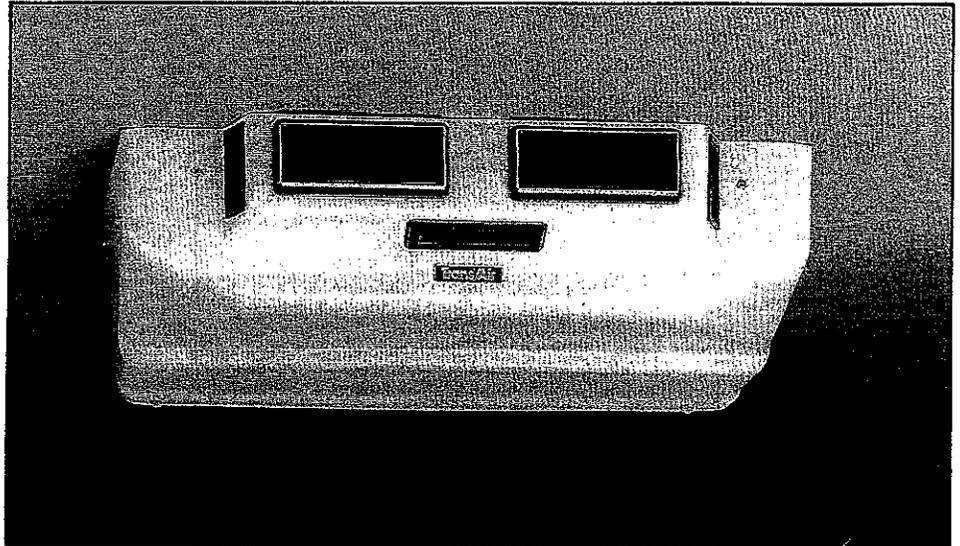
(2) year limited

T/A 71 EVAPORATOR

The T/A 71 is a free-blowing, rear mount evaporator unit that can be used as a tie-in with OEM components or as part of a complete Trans/Air system. The T/A 71 is engineered for uniform cooling, ease of installation, economical operation and maximum serviceability. All Trans/Air components are backed with a full 24 month unlimited mileage warranty and worldwide network of authorized service points.

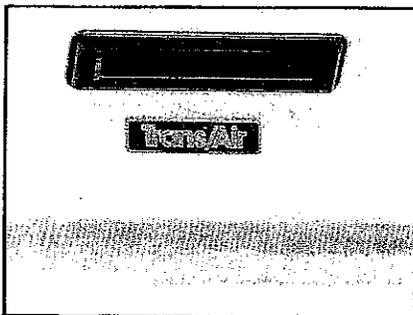
Trans/Air®

Manufacturing



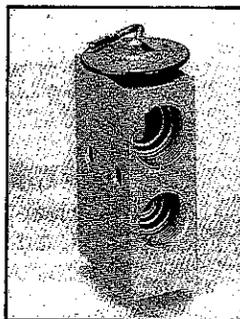
Application

The T/A 71 has a maximum rating of 40,000 BTU/HR and is engineered for van conversions and cut-a-way vehicles up to 17' in length. The T/A 71 can be used in tandem with other Trans/Air evaporators in medium body sizes up to 35' in length. With Trans/Air's Total Systems Approach, the T/A 71 evaporator can be used in conjunction with a wide variety of condenser/compressor options for a tailored system recommendation.

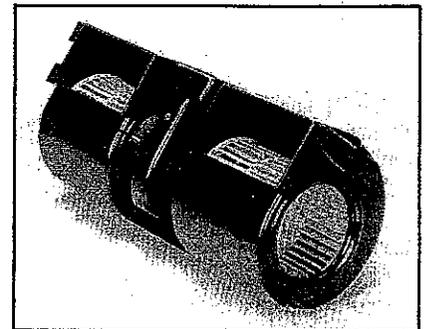


The cover, with integral drain pan and washable filter, is made of durable ABS plastic, neutral in color to blend well with all coach interiors. Multi-directional louvers provide even cooling and air

distribution throughout the vehicle's interior. High-efficiency oversized coils are standard for maximum BTU output and include a commercial grade block-type expansion valve.



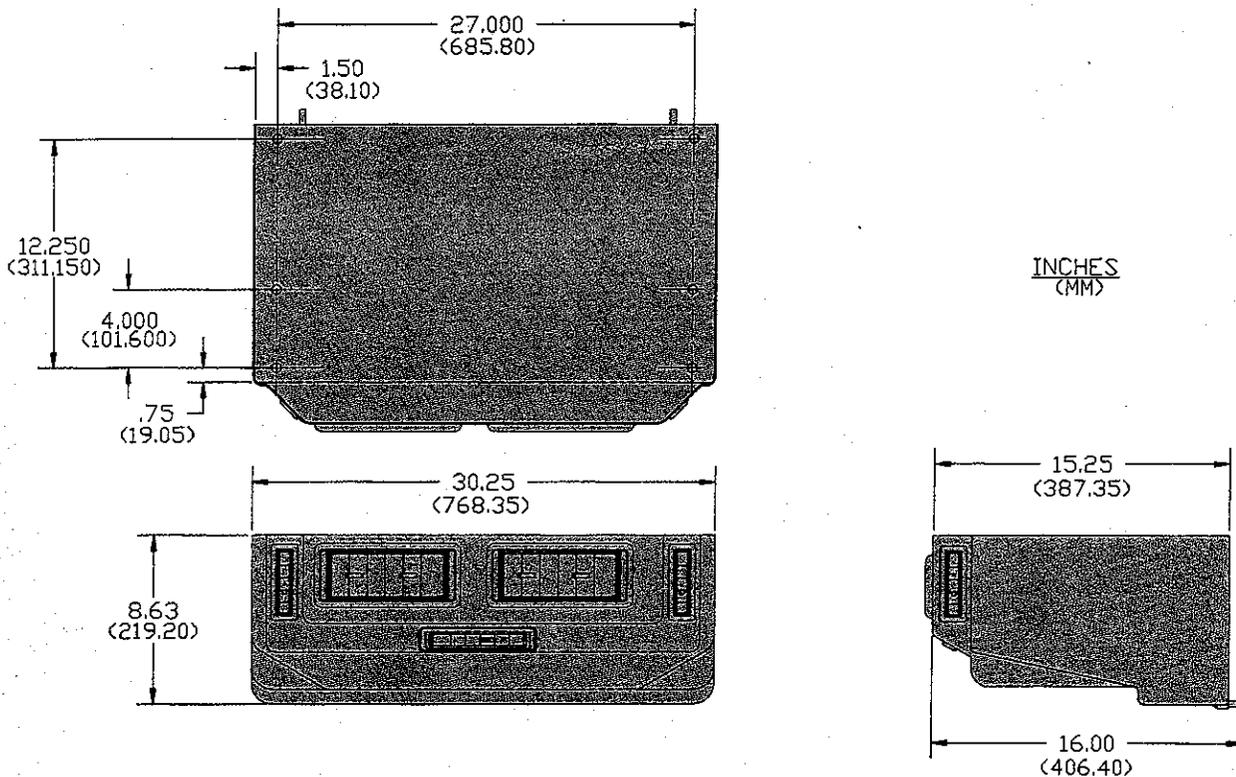
Blower assemblies come equipped with larger blower wheels for greater CFM and motors utilize custom wound armatures for lower amperage draw and greater efficiency. Blower motors have permanent magnets and sealed bearings for longer life and fewer maintenance requirements.



Trans/Air controls provide precise regulation of air flow and temperature. All wiring harnesses include coded wiring and are properly gauged for the system amperage load to minimize voltage drop and increase efficiency. High and low pressure switches are used to protect the integrity of the system.

T/A 71 EVAPORATOR

General Specifications



General

- Freeblow air distribution
- Weight - 69 pounds (31 kg)
- Box size - 34" x 24" x 14" (864 x 610 x 356 mm)
- Cube - 6.6 cu.' (.188 cu. m)

Cooling Capacity

- Maximum capacity - 40,000 BTU/HR (10,040 Kcal/HR) @ 95 degrees ambient, 67df WB, 35 degrees delta T

Cover

- ABS cover
- Integral drain pan
- 5 multi-directional louvers
- Washable/reusable filter
- 2 — 1/2" ID drain lines

Blower Assembly

- 2 - 4.5" diameter blower wheels
- Amperage draw 11 @ 13.5 (5.5 @ 27) vdc
- Total 800 CFM (1,360 m³/HR) @ 0 static
- Double shafted, single speed, permanent magnet motor

Evaporator Coil

- Face area 216 sq." (1,394 sq. cm.)
- Aluminum fins mechanically expanded onto 3/8" copper tubes, 4 rows deep by 10 high

- Fins: .006" thick, 12 per inch, corrugated surface, rippled edge
- Multi-tube distributor

Electrical

- Coded, stranded copper, Cross Link
- Low and high pressure switches

Expansion Valve

- Commercial grade block type

Warranty

- 2 year unlimited mileage

Available Options

Heat Coil

Used with positive isolator valve. Isolator valve and heater hose not included.

Metal Cover

Metal cover for use with OEM installation.

Capacities listed vary depending upon the rating conditions used.

Contact Trans/Air for more information.

Specifications subject to change without notice.

Note: All measurements in standard (metric)

The finest name in bus air conditioning

Trans/Air[®]
Manufacturing

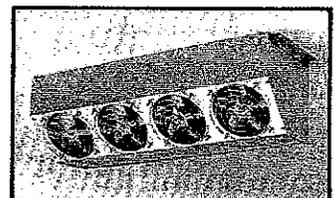
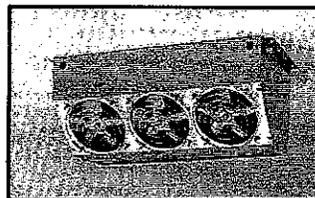
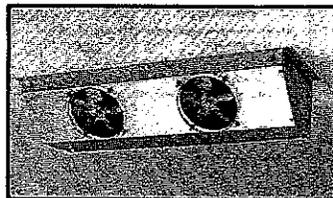
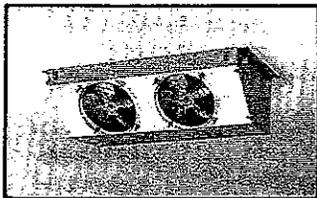
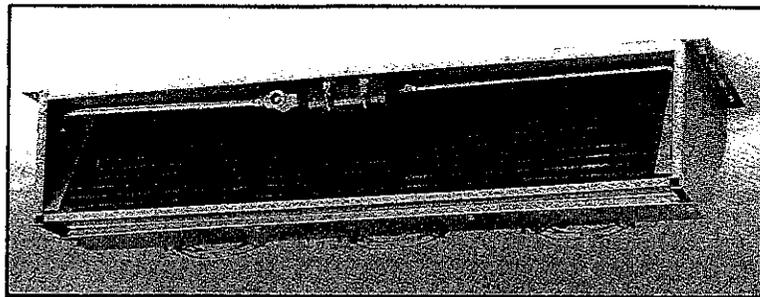
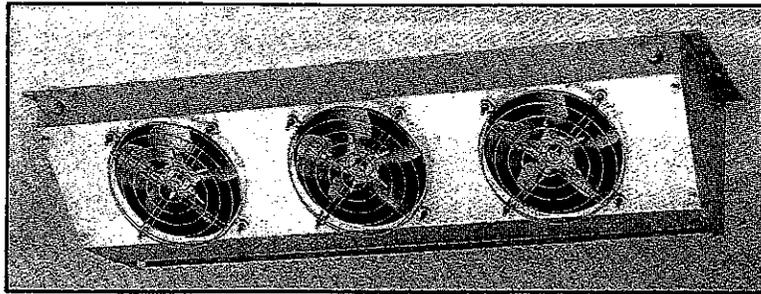
480 E. Locust Street • Dallastown, PA 17313
717/246-2627 • 800/673-2446
FAX 717/244-7088

SMC CONDENSERS

Trans/Air[®]

Manufacturing

Trans/Air SMC (skirt mounted) condensers provide a wide selection of sizes and capacities for most body styles and evaporator/compressor combinations. The light weight, versatile condenser system provides ease of installation, economical operation and maximum serviceability. All Trans/Air components are backed with a full 24 month unlimited mileage warranty and worldwide network of authorized service points.

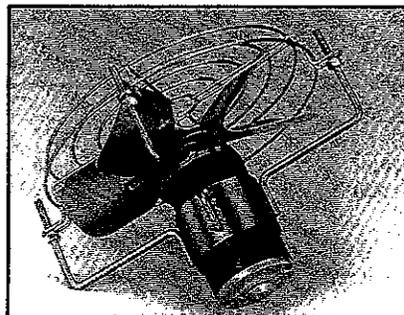


Application

The SMC condensers are engineered for vehicles ranging in size from van conversions to 40' transit vehicles. Models SMC2S (2 fan short), SMC2L (2 fan long), and SMC3L (3 fan long) are for use in general skirt applications. Model SMC3HS (3 fan high short) is applicable where skirt space is limited and cooling requirements are high. Model SMC4HL (4 fan high long) is for demanding single condenser applications. All can be used alone or in pairs for greater capacity.

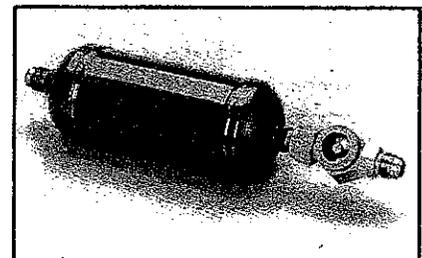
Condensers are made of light weight aluminum for strength and corrosion resistance. High-efficiency over sized coils are standard for maximum BTU out-

put. Slant-mounted coils with non-restricting grills are employed for better air flow and heat dissipation.



10" axial fans are paired with 3" diameter motors with custom wound armatures for low amperage draw and greater airflow efficiency. Fan motors have

permanent magnets and sealed bearings for longer life and fewer maintenance requirements.

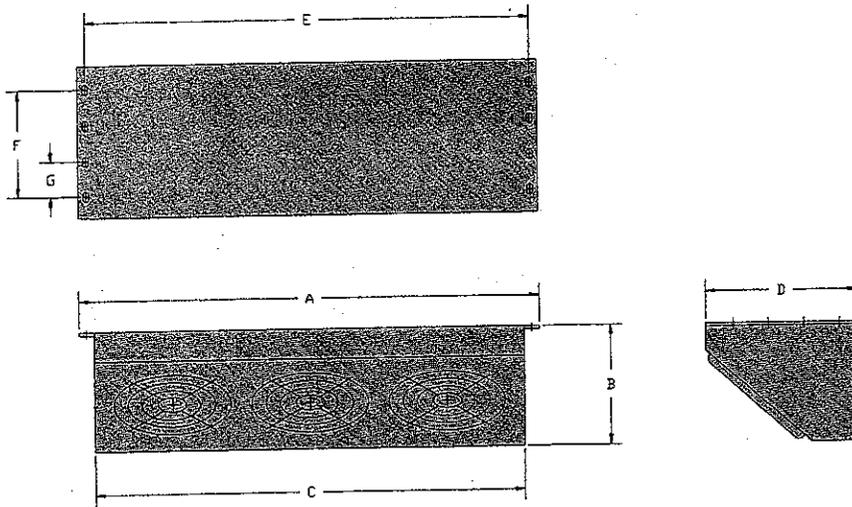


30 cu. in. filter/dryer is properly sized for system protection.

The sight glass is conveniently located at the front of the condenser, isolated from fan blades for safety and ease of inspection.

SMC CONDENSERS

General Specifications



General

- Skirt mounted
- 92% flow-thru aluminum grill

Fan Motor Assembly

- 3" x 4.74" motors
- Permanent magnet, sealed bearings
- 10" axial flow prop fan
- 750 CFM per fan
- Single speed, permanent magnet motor

Coil

- Aluminum fins mechanically expanded onto 3/8" copper tubes, 4 rows deep by 10 high
- Fins: .008" thick, 12 per inch, corrugated surface, straight edge
- Slant design

Filter/Dryer

- 30 cu. in. externally mounted

Sight Gauge

- Plastic cover
- Moisture indicator
- Visible from outside of bus

Warranty

- 2 year unlimited mileage

	SMC2S	SMC2L	SMC3S	SMC3L	SMC4HL
A	39.25 (996.95)	53.25 (1,352.55)	39.25 (996.95)	53.25 (1,352.55)	53.25 (1,352.55)
B	10.56 (268.22)	10.56 (268.22)	14.88 (377.95)	10.56 (268.22)	14.88 (377.95)
C	36.25 (920.75)	50.25 (1,276.35)	36.25 (920.75)	50.25 (1,276.35)	50.25 (1,276.35)
D	17.06 (433.32)	17.06 (433.32)	17.06 (433.32)	17.06 (433.32)	17.06 (433.32)
E	37.75 (958.85)	51.75 (1,314.45)	37.75 (958.85)	51.75 (1,314.45)	51.75 (1,314.45)
F	12 (304.8)	12 (304.8)	12 (304.8)	12 (304.8)	12 (304.8)
G	4 (101.6)	4 (101.6)	4 (101.6)	4 (101.6)	4 (101.6)
Coil face area sq. in. (sq. cm)	404 (2,607)	529 (3,413)	525 (3,387)	529 (3,413)	700 (4,516)
No. of fans	2	2	3	3	4
Amperage draw (vdc)	13.4 @ 13.5 (6.7 @ 27)	13.4 @ 13.5 (6.7 @ 27)	21.8 @ 13.5 (10.9 @ 27)	21.8 @ 13.5 (10.9 @ 27)	25 @ 13.5 (12.5 @ 27)
Total CFM	1500 (2,550 m ³ /HR)	1500 (2,550 m ³ /HR)	2250 (3,825 m ³ /HR)	2250 (3,825 m ³ /HR)	3000 (5,100 m ³ /HR)
BTU/HR	40,000 (10,040 Kcal/HR)	48,000 (12,048 Kcal/HR)	51,000 (12,801 Kcal/HR)	55,000 (13,805 Kcal/HR)	78,000 (19,578 Kcal/HR)
Weight	66 (30)	78 (35)	86 (39)	86 (39)	114 (52)
Box dimension	41x14x19 (1,041x356x483)	55x15x20 (1,397x381x508)	41x19x18 (1,041x483x457)	55x15x20 (1,397x381x508)	55x20x20 (1,397x508x508)
Cube	6.3 (.27)	9.5 (.27)	8.1 (.23)	9.5 (.27)	12.7 (.36)

Available Options

Stacked Condensers
Model SMC2S and SMC3L are available in stacked configuration for heavy duty applications where skirt space is limited. See Specialty Condenser literature for more information.

RTC3 Roof Top Condenser
RTC3 (3 fan) roof top condenser is available for severe-duty application or as an alternative to standard skirt mounting. See Specialty Condenser literature for more information.

Capacities listed vary depending upon the rating conditions used.

Contact Trans/Air for more information.

Specifications subject to change without notice.

Note: All measurements in standard (metric)

The finest name in bus air conditioning

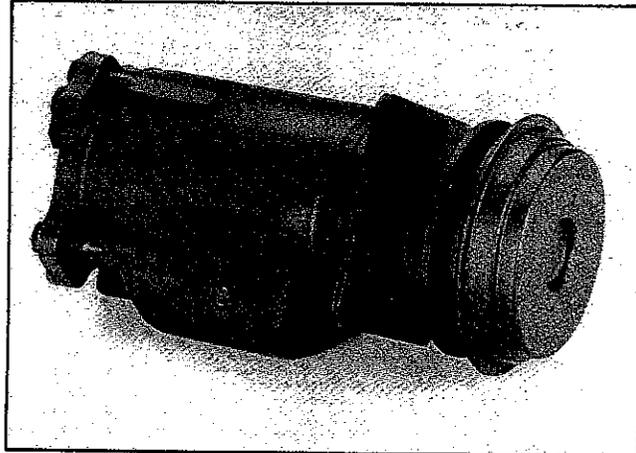
Trans/Air
Manufacturing

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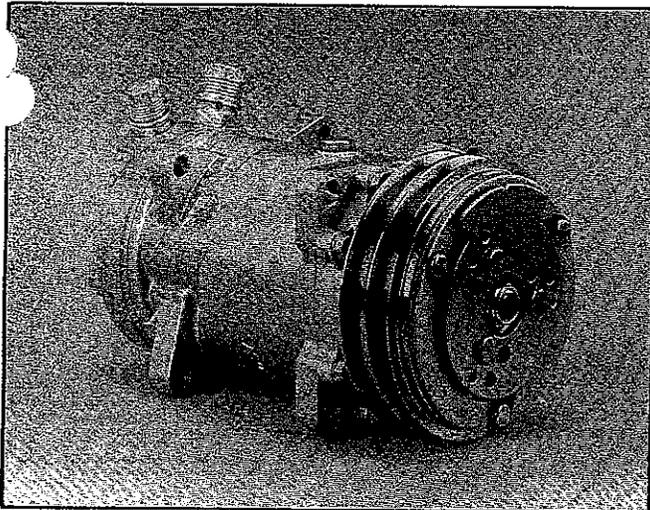
COMPRESSORS



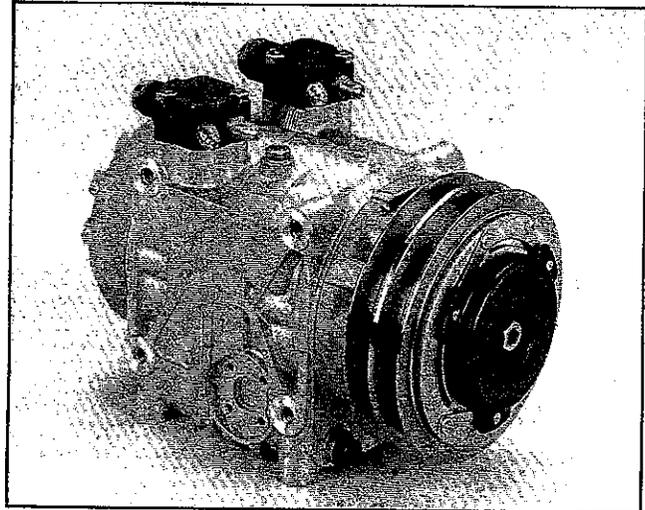
Trans/Air offers a range of compressor options that can be tailored to fit any system requirement. All compressors include mounting kits engineered for easy installation and minimal belt maintenance. All Trans/Air components are backed with a full 24 month unlimited mileage warranty and worldwide network of authorized service points.



A-6



SD-510



DKS-26

Application

Trans/Air compressor packages are engineered for vehicles ranging in size from van conversions to 40' transit buses and coaches. Compressors range in displacement from 9.3 to 15.6 cu. in. and can operate independently or in pairs for super heavy duty service. Compressors can be vehicle engine driven or used as a

component of Trans/Air's auxiliary power pack.

All Compressors are manufactured with heavy-duty components for outstanding performance and durability.

A wide selection of pulley arrangements are available for

optimum performance at critical idle speed.

OEM approved compressor mount kits are available for most current engine/chassis combinations. Mounting kits are engineered with precise alignment and tensioning adjustments eliminating belt slippage to promote long belt life.

Trans/Air®

Manufacturing Corporation

OWNER'S RESPONSIBILITY

By operating and maintaining your new TRANS/AIR equipment in accordance with factory specification, you will be assured of receiving the total performance and reliability that is engineered and built into each new TRANS/AIR product. Before starting this unit, refer to your operators manual to familiarize yourself with pretrip checks, enroute inspections and routine service operations. Should you have any questions regarding this equipment, consult your nearest TRANS/AIR Dealer or service center. Their courteous staff is most qualified to render you expert technical advice, professional service, genuine TRANS/AIR parts and prompt warranty adjustment.

TRANS/AIR LIMITED WARRANTY Effective January 1, 1991

For a period of two (2) years (subject to the conditions and limitations herein) following installation TRANS/AIR Manufacturing Corp. (TRANS/AIR) warrants each product of its manufacture to be free from defects in workmanship and materials under normal use and operation, and will furnish genuine TRANS/AIR replacement parts only for any part or parts of said product which are returned to its factory in Dallastown, Pennsylvania, or to its authorized dealer(s) transportation charges prepaid, and determined to be originally defective or not otherwise excluded from this warranty.

TRANS/AIR auxiliary power packs are limited to two (2) years or 1000 hours (whichever comes first) parts and labor.

"LIMITATION OF LIABILITY"

Trans/Air's liability to the purchaser for damages from any cause whatsoever and regardless of the form(s) of action, whether in contract or tort, including negligence or strict liability or otherwise, shall be limited to the value of repairs to or replacement of the TRANS/AIR unit sold. In no event shall Trans/Air be liable for any punitive, incidental, or consequential damages, or for commercial losses from any cause, whether or not TRANS/AIR has received notice of the possibility or certainty of such damages or losses.

This is TRANS/AIR's sole warranty and it is furnished in lieu of all other warranties. TRANS/AIR makes no other express or implied warranties whatsoever. No warranty of merchantability and no warranty of fitness for particular use is made by TRANS/AIR.

REINSPECTION

A second year warranty/validation must be performed by an authorized TRANS/AIR service center, at owner's expense, before expiration of first year warranty.

LABOR

This warranty also includes labor for replacement of such defective part or parts of said product for two (2) years following installation, in accordance with the TRANS/AIR current Warranty Procedure Manual and Flat Rate Labor Schedule (subject to conditions and limitations).

PARTS

New replacement parts for TRANS/AIR products are warranted for thirty (30) days after installation against defects in material. No labor will be allowed for items covered by this thirty (30) day warranty.

Warranty repairs or replacements shall be performed only by an authorized TRANS/AIR Service Center at its place of business. The Service Center is responsible for affecting applicable repairs or replacement during the warranty period in accordance with the current TRANS/AIR Warranty Procedure Manual.

TRANS/AIR Manufacturing will not be responsible for the cost of warranty repairs or replacements made by anyone other than an authorized Trans/Air Service Center, unless written factory approval is obtained. TRANS/Air Manufacturing Warranty is limited to the replacement of defective parts during the warranty period, and straight time labor charges as outlined in its current Warranty Procedure Manual and Flat Rate Labor Schedule.

This warranty shall not apply to any TRANS/AIR product which in the opinion of TRANS/AIR has been altered or repaired in a manner affecting the efficiency or performance of the unit.

IMPORTANT

TRANS/AIR does not warranty the workmanship of the installer and will not bear any cost due to faulty or incorrect installation or damage in shipment, nor shall this warranty apply in the case of accidental damage to the finish or components, abuse, misuse, flood, fire or if the serial number is missing, altered or defaced.

The owner shall be responsible for maintenance of its equipment. Normal wear will not be considered as defective workmanship and material. Damage cause by neglect of normal maintenance shall not be included in the warranty.

TRANS/AIR shall not be liable for any loss of time, labor, equipment rental or other expenses while equipment is out of service.

The purchaser shall be responsible for any additional expense of service calls or overtime involved in warranty repairs or replacement. Such service calls or overtime are to be performed only at the purchase's specific request and at his expense.

Special units will not be subject to this or any other warranty unless so stated on the purchase order acknowledgements.

SERVICES PROVIDED

Warranty services as defined under the standard limited warranty will be performed only at the premises of an authorized TRANS/AIR service center during regular working hours, and will not include overtime, mileage, telephone calls, or telegram. There will be no standard labor or parts warranty outside the boundaries of the Continental USA and Canada.

This certificate when presented to any TRANS/AIR service center entitles the original owner to receive the warranty services. If the registration plate is blank and the owner cannot establish the date of installation, the service center is not authorized to render said warranty services without charge.

THIS IS A TWO (2) YEAR UNLIMITED MILEAGE WARRANTY.



Lifts

The Braun Corporation of Winamac, Indiana, warrants its wheelchair lift against defects in material and workmanship for three years, providing the lift is operated and maintained properly and in conformity with the manual. This warranty is limited to the original purchaser and does not cover defects in the motor vehicle on which it is installed, or defects in the lift caused by a defect in any part of the motor vehicle.

This warranty commences on the date the lift is put in service, providing the warranty registration card is completed and received by The Braun Corporation within twenty days of purchase.

This warranty also covers the cost of labor for the repair or replacement of most parts for one year when performed by an authorized Braun Representative. (A Braun labor schedule determines cost allowance for repairs.)

This warranty does not cover normal maintenance, service, or periodic adjustments necessitated by use or wear. The Braun Corporation will not, under any circumstances, pay for loss of use of lift or vehicle in which it is installed or loss of time.

This warranty will become null and void if the lift has been damaged through accident, misuse, or neglect, or if the lift has been altered in any respect.

The Braun Corporation shall not be liable for towing charges, travel and lodging, or any other expense incurred due to the loss of use of vehicle or other reason.

Millennium Style Commercial Lifts (L915 models, Vista, Century)

Millennium Series Lifts

Braun "Worry-Free" Five-Year Limited Warranty

The Braun Corporation of Winamac, Indiana, warrants its wheelchair lift against defects in material and workmanship for up to five years*, providing the lift is installed, operated and maintained properly and in conformity with the manual. This warranty is limited to the original purchaser and does not cover defects in the motor vehicle on which it is installed, or defects in the lift caused by a defect in any part of the motor vehicle.

This warranty commences on the date the lift is put into service, providing the warranty registration card is completed and received by The Braun Corporation within twenty days of purchase. If no warranty card is received the warranty will expire three years from the date of manufacture as identified on the lift serial number tag.

This warranty also covers the cost of labor for the repair or replacement of parts for three years when performed by an approved Braun Dealer. (A labor schedule determines cost allowance for repairs, which can be provided upon request by an approved Braun Dealer).

This warranty does not cover normal maintenance, service, or periodic adjustments necessitated by use or wear. The Braun Corporation will not, under any circumstances, pay for loss of use, incidental or consequential damages or expenses related to the lift, or vehicle in which it is installed.

This warranty will become null and void if the lift has been damaged through accident, misuse, or neglect, or if the lift has been altered in any respect.

The Braun Corporation shall not be liable for towing charges, travel and lodging, or any other expense incurred due to the loss of use of vehicle or other reason.

* The five-year portion of this warranty covers the following lifts power train parts:

• Cable • Cylinder • Flow Control • Gear Box • Motor. Pump • Hydraulic Hose & Fittings • Solid State Controller.

All remaining lift components are covered by a three-year warranty.

Creation Date: 4/19/2005

Last Revision Date: 5/27/2005

THE 9500 SERIES: CUT-AWAY DRIVER SEATING



 [Printable Page](#)

 [PDF Brochure](#)

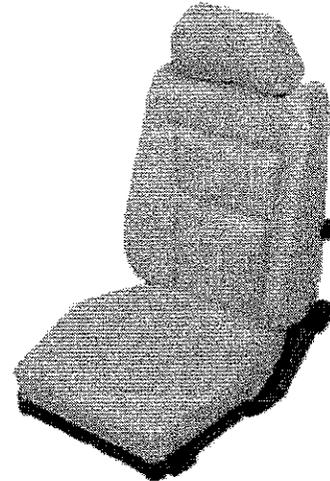
 [Request Printed Brochure](#)

Features:

- **FORD AND CHEVY/GM CUT-AWAY REPLACEMENT:** Mounts directly to the factory Ford or Chevy slide/riser assembly. It can replace the factory Ford or Chevy seat at OEM or aftermarket installations.
- **WIDE BACK**
- **MECHANICALLY ADJUSTABLE LUMBAR**
- **INFINITELY ADJUSTABLE BACK**
- **SOLID PAN BACKREST**
- **BILATERAL ADJUSTMENTS**
- **FORE/AFT ADJUSTMENT:** Three slide lengths-6.25", 9.45" and 11.80". When mounted to the factory Ford or Chevy riser, the factory Ford or Chevy slides must be used.

Options:

- **2 OR 3 PT. LAP BELT:** Complies with all FMVSS test requirements. If mounted in a Ford or Chevy cut-away, the existing Ford or Chevy seat belt/slide/riser assembly must be used.
- **REMOVABLE SHOULDER BELT:** The operator can choose to use the seat as either a 2 pt. (lap) belt or a 3 pt. (lap and shoulder) belt.
- **4-WAY ADJUSTABLE HEADREST**
- **RECLINE LIMIT STOPS:** The backrest recline can be limited to prevent the seat back from hitting any vehicle components, which may otherwise result in damage to the seat back or vehicle.
- **FRONT ADJUSTABLE, FLIP-UP ARMRESTS**
- **ADJUSTABLE SIDE BOLSTERS**
- **PROTECTIVE BACKSHELL**
- **CHOICE OF UPHOLSTERY MATERIALS**



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2009 Fleet/Non-Retail Chevrolet Express Commercial Cutaway RWD 4500 1

WARRANTY INFORMATION

WARRANTY INFORMATION - 2009 Fleet/Non-Retail CG33803 RWD 4500 159" WB C7I DRW

WARRANTY

Basic:

3 Years/36,000 Miles

Drivetrain:

5 Years/100,000 Miles

Corrosion:

6 Years/100,000 Miles

Roadside Assistance:

5 Years/100,000 Miles

Report content is based on current data version referenced. Any performance-related calculations are offered solely as guidelines. Actual unit performance will depend on your operating conditions.

GM AutoBook, Data Version: 147.3, Data updated 2/24/2009 1:13:00 PM

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Customer File:

March 03, 2009 11:28:17 AM

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2009 Fleet/Non-Retail Chevrolet Express Commercial Cutaway RWD 4500 1

SELECTED MODEL & OPTIONS

SELECTED MODEL - 2009 Fleet/Non-Retail CG33803 RWD 4500 159" WB C7I DRW

<u>Code</u>	<u>Description</u>	<u>VQ2</u>	<u>MSRP</u>
CG33803	2009 Chevrolet Express Commercial Cutaway RWD 4500 159" WB C7I DRW		

SELECTED VEHICLE COLORS - 2009 Fleet/Non-Retail CG33803 RWD 4500 159" WB C7I DRW

<u>Code</u>	<u>Description</u>
93W	Interior: Medium Pewter
50U	Exterior 1: Summit White
-	Exterior 2: No color has been selected.

SELECTED OPTIONS - 2009 Fleet/Non-Retail CG33803 RWD 4500 159" WB C7I DRW

CATEGORY

<u>Code</u>	<u>Description</u>	<u>VQ2</u>	<u>MSRP</u>
BODY CODE			
ZW9	BODY, STANDARD (STD)	\$0.00	\$0.00
GVWR			
C7I	GVWR 14,200 LBS. (6441 KG) (STD) (Requires *G33803 model, (NE7) 57 gallon (215.7L) (approximate) fuel tank except when (B3D) School Bus Package is ordered, (LMM) Duramax 6.6L Turbo Diesel V8 engine or (LY6) Vortec 6.0L V8 SFI engine, (MN8) 4-speed automatic transmission, (GT5) 4.10 rear axle ratio, (XHF) front LT225/75R16E all-season blackwall tires and (YHF) rear LT225/75R16E all-season blackwall tires. In CA, CT, DE, GA, ME, NJ, NY, PA, and TX, GVWR will be reduced to (C8V) 13,980 (6341 kg) GVWR unless either (YF1) RV Package, (YF2) Ambulance Package, (B3D) School Bus Package or (ANC) Shuttle Bus Package is ordered with (LMM) engine.)	\$0.00	\$0.00
EMISSIONS			
YF5	EMISSIONS, CALIFORNIA STATE REQUIREMENTS	\$0.00	\$0.00

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2009 Fleet/Non-Retail Chevrolet Express Commercial Cutaway RWD 4500 1

SELECTED MODEL & OPTIONS

SELECTED OPTIONS - 2009 Fleet/Non-Retail CG33803 RWD 4500 159" WB C7I DRW

CATEGORY

Code	Description	VQ2	MSRP
ENGINE			
LY6	ENGINE, VORTEC 6.0L V8 SFI (323 HP [240.8 KW] @ 4600 RPM, 373 LB-FT OF TORQUE [503.6 N-M] @ 4400 RPM) (STD) (Standard on the *G33803 model. Includes external oil cooler. Reference the Engine/Axle page for availability.)	\$0.00	\$0.00
TRANSMISSION			
MN8	TRANSMISSION, 4-SPEED AUTOMATIC, HEAVY-DUTY, ELECTRONICALLY CONTROLLED WITH OVERDRIVE, TOW/HAUL MODE AND INTERNAL TRANSMISSION OIL COOLER (STD)	\$0.00	\$0.00
DIFFERENTIAL			
___	NO LOCKING REAR DIFFERENTIAL	\$0.00	\$0.00
AXLE			
GT5	REAR AXLE, 4.10 RATIO	\$0.00	\$0.00
PREFERRED EQUIPMENT GROUP			
2WT	2WT PREFERRED EQUIPMENT GROUP Includes Standard Equipment	\$0.00	\$0.00
SPARE TIRE			
___	NO SPARE TIRE (STD)	\$0.00	\$0.00
SEATING ARRANGEMENT			
ZX2	SEATING ARRANGEMENT, DRIVER AND FRONT PASSENGER HIGHBACK BUCKET, ADJUSTABLE, includes head restraints and vinyl or cloth trim (STD)	\$0.00	\$0.00
PAINT			
ZY1	PAINT, SOLID	\$0.00	\$0.00
SEAT TYPE			
AR7	SEATS, FRONT BUCKET WITH VINYL TRIM AND OUTBOARD HEAD RESTRAINTS (STD) (Requires (**W) trim. Not available with SEO (ZP0) delete driver and passenger seats.)	\$0.00	\$0.00
SEAT TRIM			
__W	VINYL SEAT TRIM	\$0.00	\$0.00
AIR CONDITIONING			

Report content is based on current data version referenced. Any performance-related calculations are offered solely as guidelines. Actual unit performance will depend on your operating conditions.

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2009 Fleet/Non-Retail Chevrolet Express Commercial Cutaway RWD 4500 1

SELECTED MODEL & OPTIONS

SELECTED OPTIONS - 2009 Fleet/Non-Retail CG33803 RWD 4500 159" WB C7I DRW

CATEGORY

<u>Code</u>	<u>Description</u>	<u>VQ2</u>	<u>MSRP</u>
AIR CONDITIONING			
C60	AIR CONDITIONING, SINGLE-ZONE MANUAL (STD)	\$0.00	\$0.00
RADIO			
UL5	AUDIO SYSTEM, RADIO PROVISIONS DELETE. On vehicles without (YF1) RV Package specified, this option deletes (UXZ) radio provisions only and replaces the alarm chimes with the base buzzer (On vehicles with (YF1) RV Package, deletes (U1C) AM/FM stereo with CD player, antenna, radio wiring harness and 2 speakers. Alarm chimes replaced with base buzzer. Not available with (UXZ) radio provisions only audio system or (UM7) AM/FM stereo or (U1C) AM/FM stereo with CD player or (US8) AM/FM stereo with CD/MP3 player or (US9) AM/FM stereo with MP3 compatible 6-disc in-dash CD changer.) *CREDIT*		
ADDITIONAL OPTIONS			
ANC	SHUTTLE BUS PACKAGE (Requires (C7I) 14,200 lbs. (4490 kg) GVWR. Includes (ZR7) Chrome Appearance Package, (BNC) soft-mount donut and bolt, (V14) transmission oil cooler, (ZQ3) Convenience Package and (ENC) HVAC system auxiliary rear heat provisions. Not available with (YF2) Ambulance Package, (YF1) RV Package or (B3D) School Bus Package.)	\$718.25	\$845.00
ZR7	CHROME APPEARANCE PACKAGE (Includes (V46) front chrome bumper and (V22) chrome grille with dual composite halogen headlamps. Included with (YF1) RV Package or (YF2) Ambulance Package or (ANC) Shuttle Bus Package.)	INC	INC
ZQ3	CONVENIENCE PACKAGE, TILT-WHEEL AND CRUISE CONTROL (Included with (YF1) RV Package or (ANC) Shuttle Bus Package. Required with (UF3) High idle switch on models not ordered with (YF2) Ambulance Package.)	INC	INC
AU3	DOOR LOCKS, POWER with lock-out protection (Included with (ZQ2) Convenience Package.)	INC	INC
V46	BUMPER, FRONT CHROME WITH STEP-PAD (Included with (ZR7) Chrome Appearance Package.)	INC	INC

Report content is based on current data version referenced. Any performance-related calculations are offered solely as guidelines. Actual unit performance will depend on your operating conditions.

GM AutoBook, Data Version: 147.3, Data updated 2/24/2009 1:13:00 PM

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2009 Fleet/Non-Retail Chevrolet Express Commercial Cutaway RWD 4500 1

SELECTED MODEL & OPTIONS

SELECTED OPTIONS - 2009 Fleet/Non-Retail CG33803 RWD 4500 159" WB C7I DRW

CATEGORY

Code	Description	VQ2	MSRP
ADDITIONAL OPTIONS			
D31	MIRROR, INSIDE REARVIEW MANUAL DAY/NIGHT (Included with (YF1) RV Package or (B3D) School Bus Package.)	\$8.50	\$10.00
40P	WHEEL FINISH, PAINTED WHITE. White-painted wheels in lieu of standard Gray-painted wheels. (Included with (YF1) RV Package.)	\$25.50	\$30.00
BNC	BODY, SOFT-MOUNT DONUT AND BOLT (for mounting Upfit body to chassis) (Included with (YF1) RV Package.)	INC	INC
DAA	VISORS, DRIVER AND FRONT PASSENGER, VINYL in lieu of standard cloth (Included with (AR7) front bucket seats with vinyl trim and available with (AS5) front bucket seats with Custom Cloth trim)	INC	INC
ENC	HVAC SYSTEM, AUXILIARY PROVISIONS (Included with (YF2) Ambulance Package or (B3D) School Bus Package or (ANC) Shuttle Bus Package.)	INC	INC
AJ3	AIR BAG, FRONTAL, DRIVER-SIDE ONLY (deletes passenger-side) (Required with (ZX1) driver-only high-back bucket seat. Always use safety belts and the correct child restraints for your childs age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See the vehicles Owners Manual and child safety seat instructions for more safety information.) *CREDIT*		
NE7	FUEL TANK CAPACITY, APPROXIMATELY 57 GALLONS (215.7L) (Included with (LMM) Duramax 6.6L Turbo Diesel V8 engine. Not available with (K50) auxiliary feed in fuel tank return line fitting or (B3D) School Bus Package.)	\$140.25	\$165.00
VQ2	FLEET PROCESSING OPTION	\$0.00	\$0.00
DEALER INSTALLED / PROCESSING OPTIONS			
.DLR	Administrative Fee		
.R6H	Shuttle Bus Incentive		
SPECIAL EQUIPMENT OPTIONS			

Report content is based on current data version referenced. Any performance-related calculations are offered solely as guidelines. Actual unit performance will depend on your operating conditions.

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Customer File:

March 03, 2009 11:28:17 AM

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2009 Fleet/Non-Retail Chevrolet Express Commercial Cutaway RWD 4500 1

SELECTED MODEL & OPTIONS

SELECTED OPTIONS - 2009 Fleet/Non-Retail CG33803 RWD 4500 159" WB C7I DRW

CATEGORY

<u>Code</u>	<u>Description</u>	<u>VQ2</u>	<u>MSRP</u>
SPECIAL EQUIPMENT OPTIONS			
ZP1	SEATING, TEMPORARY DRIVER ONLY, UPFITTER OPTION Provides a driver only seat riser with adjuster and seat belt. Deletes driver and passenger front seats, passenger seat riser with adjuster and seat belt. Also provides a temporary seat for transportation to the upfitter (Requires RPO (AJ3) frontal air bag and SEO (9T7) passenger-side delete door. Not available with RPO (ZQ2) Convenience Package or RPO (ZX1) driver-only high-back bucket seating.) *CREDIT*		
9T7	DOOR, PASSENGER SIDE DELETE, UPFITTER OPTION Deletes the passenger door and replaces it with a temporary plastic shipping cover. Passenger side radio speaker is shipped loose (Requires shipment to an upfitter or body builder and RPO (ZX1) driver only high-back bucket seating or SEO (ZP1) temporary driver only seating. Not available with outside mirror options, RPO (ZQ2) Convenience Package or SEO (6E2) single key.) *CREDIT*	-\$119.00	-\$140.00
OPTIONS TOTAL			

An underlined code indicates that the options have been applied by the dealer. All sales prices established solely by dealer.

Report content is based on current data version referenced. Any performance-related calculations are offered solely as guidelines. Actual unit performance will depend on your operating conditions.

GM AutoBook, Data Version: 147.3, Data updated 2/24/2009 1:13:00 PM

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Customer File:

March 03, 2009 11:28:17 AM

11/01/08

2009 E-SERIES CUTAWAY/STRIPPED CHASSIS MAJOR PRODUCT CHANGES

OVERVIEW

The 2009 Ford E-Series Cutaway and Stripped Chassis continue to build on its proven strengths as the leader in sales, safety and customer loyalty.

EXTERIOR CHANGES

- Brilliant Silver (UI) replaces Silver Metallic (YN)
- Royal Red (UK) replaces Dark Toreador Red (JL)

FUNCTIONAL CHANGES

- All new Instrument Panel with passenger side glove box with integral 12-volt power point
- New base-level and high-series door trim panels
- New center console with more usable storage compartments and functional cup holders
- New Premium Combination Audio/Navigation System (58N) with 6.5" in-dash display, single DVD/CD/MP3 player with DVD audio/video capability, internal hard drive for map, point-of-interest storage, 10GB music jukebox, SIRIUS® Satellite Radio capability, auxiliary audio input jack
- Optional User defined switches (52S) – Includes four Upfitter switches on the instrument panel – N/A w/ 4.6L V8. Requires upgraded alternator with 5.4L V8 and 6.8L V10
- New standard 120-Amp Heavy Duty alternator for gas applications
- New optional 155-Amp Heavy Duty alternator (63M) for 5.4L and 6.8L gas applications
- New optional 195-Amp Extra Heavy Duty alternator for 6.8L gas applications (63N)
- New Optional Passenger Air Bag Cut-Off Switch (62C)
- New Optional Instrument Panel Message Center (Std. with 6.0L diesel) (60J)
- E-350 SRW 138" WB 6.0L (99P/44B) with School Bus Prep (47S) increases to 9,900# GVWR
- E-450 DRW 158" WB with 5.4L (99L/44Q) with School Bus Prep (47S) at 14,050# GVWR now available.
- E-450 DRW 158" WB with 6.8L (99S/44T) with School Bus Prep (47S) at 14,500# GVWR now available.
- E-450 DRW 158" WB with 6.0L (99P/44B) with School Bus Prep (47S) increases to 14,500# GVWR.
- New Optional Integrated Trailer Brake Controller (68B)
- Ford Work Solutions is available on all Cutaway models (late availability)
- New 40 gallon fuel tank replaces 37 gallon fuel tank on all aft-of-axle cutaway applications

POWERTRAIN CHANGES

- All 4.6L and 5.4L gas engines Flex Fuel Capable
- Federal (49-State) Emission System is standard on E-450 Cutaway with (99P) 6.0L Diesel Engine and (20F) 14,500# GVWR

MODEL LINE-UP CHANGES

- New E350 SRW Cutaway (S37) with mid-ship fuel tank and 9600 GVWR

LATEST ORDER GUIDE UPDATES

- Clarification: 50-State Emissions System is standard on all vehicles (including Diesel, 14,500# GVWR E-450 Cutaway *with* one of the following exemption packages:
 - (47A) Ambulance Prep
 - (47B) Shuttle Bus Prep
 - (47M) Motorhome Prep
 - (47S) School Bus Prep
- ADDED – FEDERAL (49-STATE) EMISSION SYSTEM Standard on Diesel, 14,500# GVWR E-450 Cutaway *without* one of the following exemption packages:
 - (47A) Ambulance Prep
 - (47B) Shuttle Bus Prep
 - (47M) Motorhome Prep
 - (47S) School Bus Prep
- Clarification – Premium Combination Audio/Navigation system includes a single-disc CD, instead of a 6-disc changer
- Clarification – Vinyl Front Floor Covering (162) is optional on Shuttle Bus Prep Package (47B)
- Clarification – Front Passenger Air Bag Cut-Off Switch (62C) is not available with Air Bag Delete (58D)

To Jerry
From Mike

Product Changes and Features Availability

Features, options and package content subject to change. Please check www.forddealer.com or Dealer eStore for the most current information.

* = New for this model year

09/01/08

2009 E-SERIES CUTAWAY/STRIPPED CHASSIS MAJOR PRODUCT SUMMARY

The 2009 Ford E-Series Cutaway and Stripped Chassis continue to build on its proven strengths as the leader in sales, safety and customer loyalty.

The following equipment is standard as indicated.

CUTAWAY	STRIPPED CHASSIS
<p>POWERTRAIN/FUNCTIONAL</p> <ul style="list-style-type: none"> • Alternator – 120-amp gas/110 amp diesel • Auxiliary <ul style="list-style-type: none"> – Fuel Port – Transmission oil cooler • Battery – heavy duty • Brakes – 4-wheel disc brakes • Fuel tank <ul style="list-style-type: none"> – 35 Gallon Mid-Ship (E25 and S37 only) – 40 gallon (aft-of-axle) • Handling Package – includes front stabilizer bar and heavy duty front & rear shocks • Horn – dual note • Mirrors – NOT INCLUDED • Modified Vehicle Wiring Kit & System • Power point – double 12V power point in I/P • Spare tire & wheel – NOT INCLUDED • Steel valve stems (Std. on DRW) • Steering gear – heavy duty • Tire Pressure Monitoring System (TPMS) – SRW models only <p>EXTERIOR</p> <ul style="list-style-type: none"> • Bumper – black painted, front w/lower black plastic valence • Ford Oval on grille • Glass – solar • Headlamps – sealed beam • Wheel trim – NOT INCLUDED • White steel wheels – DRW <p>INTERIOR</p> <ul style="list-style-type: none"> • Air conditioning – front only • Audio – electronic AM/FM stereo/digital clock/2-speakers • Console – Slim line engine cover console – color keyed w/dual bin storage & (3) cupholders • Courtesy light switch – front door • Dash sound absorber • Floor covering – front, black vinyl • Front dome light • Glove Box w/aux power point • Instrument panel – medium flint • Key in Ignition warning chime • Light & Convenience Group • Mirror – Interior day/night rearview mirror, NOT INCLUDED • Seats – dual bucket seats w/ vinyl trim & I/B armrests • Steering wheel – tilt • Sunvisors – color keyed vinyl • Tachometer • Trim <ul style="list-style-type: none"> – A-pillar grab handle – LH/RH black cowl trim panels – LH/RH color keyed cowl grab handles – Medium flint w/single storage area door trim panels – Molded vinyl-faced front headliner • Windshield wipers – interval <p>SAFETY/SECURITY</p> <ul style="list-style-type: none"> • Air bag – driver & passenger side • Safety belts – medium flint w/height adjustable D-ring 	<p>POWERTRAIN/FUNCTIONAL</p> <ul style="list-style-type: none"> • Auxiliary fuel port • Daytime Running Lights • Front bumper delete • Handling Package • Horn – dual note • Mirrors – NOT INCLUDED • Modified Vehicle Wiring Kit • Wheel trim – NOT INCLUDED <p>INTERIOR</p> <ul style="list-style-type: none"> • Mirror – interior day/night rearview mirror, NOT INCLUDED • Radio – NOT INCLUDED • Steering wheel – tilt • Windshield wipers – interval <p>NO BODY SHEET METAL INCLUDED, INCLUDED GAUGE PACKAGE, ALSO INCLUDES A STANDARD DUNAGE PACKAGE WITH THE FOLLOWING EQUIPMENT FOR STRIPPED CHASSIS ONLY:</p> <ul style="list-style-type: none"> • Fuel filler vent hose • Headlight <ul style="list-style-type: none"> – Assembly – Switch • Incomplete Vehicle Manual • Instrument cluster • Vehicle Identification Kit • Warranty Facts Book • Wiring assemblies • Wrench – wheel nut

Please see Standard Equipment pages for more details.

Product Features Availability

Features, options and package content subject to change.

* = New for this model year

09/01/08

2009 E-SERIES CUTAWAY/STRIPPED CHASSIS STANDARD EQUIPMENT

The following items are standard on every all new 2009MY E-Series Cutaway/Stripped Chassis vehicle:

POWERTRAIN/FUNCTIONAL

- Alternator – 120-amp gas/110 amp diesel
- Auxiliary fuel port
- Battery – maintenance-free
- Brakes – 4-wheel disc Anti-lock Braking System (ABS)
- Drivetrain – 5.4L Triton® w/5-speed automatic overdrive
- Fuel tank – 40 gallon (std. on E35)
- Handling Package
- Tire Pressure Monitoring System (TPMS) – SRW models only
- Transmission w/auxiliary cooler

EXTERIOR

- Axle
 - Front, twin I-beam
 - Rear – full-float (E35/E45 Cutaway)
 - Rear, semi float (E25 and S37 Cutaway)

EXTERIOR (Continued)

- Mirrors – NOT INCLUDED
- Shock absorbers – heavy
- Spare tire & wheel – NOT INCLUDED
- Steering – power
- Wheel trim – NOT INCLUDED
- White steel wheels

INTERIOR

- Headliner – front, molded vinyl-faced (Cutaway only)
- Modified Vehicle Wiring Kit
- Seats – dual high back vinyl buckets (Cutaway only)
- Steering wheel – tilt
- Windshield wipers – interval

SAFETY/SECURITY

- Air bags – second generation (Cutaway only)

The following features are standard on select 2009MY E-Series Cutaway/Strip Chassis vehicles:

POWERTRAIN/FUNCTIONAL

Axles	CUTAWAY	STRIPPED CHASSIS
Full float	•	
Semi-float (E-25 and S37 only)		•
Drivetrain – 5.4L BF1 Triton® w/5-speed automatic overdrive	•	•

KEY EXTERIOR FEATURES

Bumpers	CUTAWAY	STRIPPED CHASSIS
Front – black painted w/lower black plastic valance	•	
Front bumper delete		•
Rear oval on grille		•
Glass – solar	•	
Headlamps – halogen sealed beam	•	
Wheel		•
16" x 8" white steel (SRW) (DRW)	•	
16" x 7" steel (SRW) (E-250 and E-350)	•	•
Windshield wipers – interval	•	•

KEY INTERIOR FEATURES

Air conditioning	CUTAWAY	STRIPPED CHASSIS
Air conditioning	•	
Dashboard absorber	•	
Engine cover – Slim line engine cover console – color keyed w/dual bin storage & (3) cupholders	•	
Floor covering – front, black vinyl	•	
Instrument panel – medium flint	•	
Lighting		•
Courtesy light switches – front doors	•	
Front dome light	•	
Power point – 12-volt source in instrument panel	•	
Radio – electronic AM/FM stereo w/digital dock & 2 speakers	•	
Seats – dual high back vinyl bucket	•	
Strip vinyl pads – black plastic	•	
Sunvisors – vinyl	•	
Trim		•
Driver & passenger A-pillar interior grab handle	•	
Front, molded vinyl faced headliner	•	
Medium flint w/single storage area door trim panels	•	
SAFETY/SECURITY		•
Dual air bags – 2 nd generation	•	
Safety belts – medium flint w/height adjustable D-ring	•	

* = New for this model year

• = Available
\$ = Standard, O = Optional, P = Packaged Option
Ford Division

05/23/08

**2009 E-SERIES CUTAWAY/STRIPPED CHASSIS
FUNCTIONAL EQUIPMENT**

AXLE AVAILABILITY

Engine	Body Type	Tires	Non-Limited Slip						Limited Slip						
			A18	A20	A22	A24	A26	A28	A30	A32	A34	A36	A38		
5.4L EFI V8 99L/44T	E-350 C/A SRW(E35)	LT245/75Rx16E BSW A/S (T38)	-	-	S	-	-	-	-	-	-	O	-	-	-
5.4L EFI V8 99L/44Q	E-350 C/A SRW(S37)	LT245/75Rx16E BSW A/S (T38)	-	-	-	-	S	-	-	-	O	-	-	-	-
6.8L EFI V10 99S/44T	E-350 C/A SRW	LT245/75Rx16E BSW A/S (T38)	-	-	S	-	-	-	-	-	-	O	-	-	-
6.0L DI Turbo Diesel V8 99P/44B	E-350 C/A SRW	LT245/75Rx16E BSW A/S (T38)	-	-	S	-	-	-	-	-	-	O	-	-	-
5.4L EFI V8 99L/44T	E-350 C/A DRW	LT225/75Rx16E BSW A/S (T67)	-	-	-	-	-	S	-	-	-	-	-	O	-
6.8L EFI V10 99S/44T	E-350 C/A DRW	LT225/75Rx16E BSW A/S (T67)	-	-	-	-	-	S	-	-	-	-	-	O ¹	-
6.0L DI Turbo Diesel V8 99P/44B	E-350 C/A DRW	LT225/75Rx16E BSW A/S (T67)	-	-	-	-	-	S	-	-	-	-	-	O	-
5.4L EFI V8 99L/44T	E-450 C/A DRW	LT225/75Rx16E BSW A/S (T67)	-	-	-	-	-	-	S	-	-	-	-	-	O
6.8L EFI V10 99S/44T	E-450 C/A DRW	LT225/75Rx16E BSW A/S (T67)	-	-	-	-	-	-	S	-	-	-	-	-	O
6.0L DI Turbo Diesel V8 99P/44B	E-450 C/A DRW	LT225/75Rx16E BSW A/S (T67)	-	-	-	S	-	-	-	-	-	-	-	O	-
5.4L EFI V8 99L/44T	E-350 Stripped SRW	LT245/75Rx16E BSW A/S (T38)	-	S	-	-	-	-	-	-	O	-	-	-	O
5.4L EFI V8 99L/44T	E-350 Stripped DRW	LT225/75Rx16E BSW A/S (T67)	-	-	-	-	-	S	-	-	-	-	-	O	-
6.8L EFI V10 99S/44T	E-350 Stripped DRW	LT225/75Rx16E BSW A/S (T67)	-	-	-	-	-	S	-	-	-	-	-	O	-
5.4L EFI V8 99L/44T	E-450 Stripped DRW	LT225/75Rx16E BSW A/S (T67)	-	-	-	-	-	-	S	-	-	-	-	-	O
6.8L EFI V10 99S/44T	E-450 Stripped DRW	LT225/75Rx16E BSW A/S (T67)	-	-	-	-	-	-	S	-	-	-	-	-	O
4.6L EFI V8 99W/44Q	E-250 Cutaway SRW	LT225/75Rx16E BSW A/S (T37)	S	-	-	-	-	-	-	O	-	-	-	-	-

¹ N/A with 6.8L engine on 176" WB
* = New for this model year

S = Standard, O = Optional, P = Packaged Option
Ford Division

09/01/08

2009 E-SERIES CUTAWAY/STRIPPED CHASSIS OPTIONAL EQUIPMENT

BODY STYLE	Order Code	Cutaway				Stripped Chassis	
		778A	780A	781A	782A	785A	790A
E-250 Super Duty	E25	—	—	—	—	—	—
E-350 Super Duty	E35	—	—	—	—	—	—
E-350 Super Duty	E357	—	—	—	—	—	—
E-450 Super Duty	E45	—	—	—	—	—	—
E-350 Stripped Chassis	E39	—	—	—	—	—	—
E-450 Stripped Chassis	E46	—	—	—	—	—	—
WHEELBASE							
Super Duty	138"	S	O	S	—	—	—
Super Duty	158"	—	O	—	O	—	—
Super Duty	178"	—	O	—	O	—	—
Stripped Chassis	138"	—	—	—	—	O	—
Stripped Chassis	158"	—	—	—	—	O	—
Stripped Chassis	178"	—	—	—	—	O	—
POWERTRAIN/FUNCTIONAL							
4.6L EFI FFV Triton® V8/4-Spd Auto O/D (FFV Capable)	99W/440	S	—	—	—	—	—
5.4L EFI FFV Triton® V8/5-Spd Auto O/D (FFV Capable)	99L/440	—	—	S	—	—	—
5.4L EFI FFV Triton® V8/Elect. 5-Spd. - Auto O/D w/Tow-Haul (FFV Capable)	99L/44T	—	S	—	S	S	S
6.0L DI Power Stroke®/Elect. 5-Spd. Auto O/D - IFA-D/655 Clean Fuel Flex Fuel Option	99P/446	—	O	—	O	—	—
6.8L EFI Triton® V10/Elect. 5-Spd. O/D w/Tow-Haul	99S/44T	—	O	—	O	O-DRW	O
50 State Emissions System (including Diesel, 14,500# GVWR E-450 Cutaway <u>with</u> one of the following exemption packages: (47A) Ambulance Prep, (47B) Shuttle Bus Prep, (47M) Motorhome Prep, (47S) School Bus Prep.	403	S	S	S	S	S	S
Federal 49-State Emissions System Standard on Diesel, 14,500# GVWR E-450 Cutaway <u>without</u> one of the following exemption packages: (47A) Ambulance Prep, (47B) Shuttle Bus Prep, (47M) Motorhome Prep, (47S) School Bus Prep.		—	—	—	S	—	—
Clear Coat Paint Option (NA w/6.0L Diesel Engine)	851	O	O	O	O	O	O
Power Take-Off (PTO) Provision (avail w/6.0L diesel only)	85P	—	O	—	O	—	—
WHEELS							
16" Sport Wheel Cover (SRW w/6.0L IFA w/ aluminum wheels (84E))	814	O	O	O	—	O	—
16"x6" Painted White Steel Wheels - DRW only	846	—	S	—	S	S	S
16"x6" Painted White Steel Wheels - SRW only	847	O	O	O	—	O	—
16"x7" Forged Aluminum - SRW only with Aluminum Hub Caps (NA w/6.0L diesel engine)	84F	O	O	O	—	—	—
18"x7" Steel - SRW	842	S	S	S	—	S	—
TIRES (Spare tire is same as road tire, except where noted otherwise; manufacturer listed in parentheses)							
LT225/75R16E BSW A/S - E-250 SRW	T37	S	—	—	—	—	—
LT225/75R16E BSW A/S - DRW	T37	—	O	—	—	—	—
LT245/75R16E BSW A/S - SRW	T38	—	S	S	—	S	—
Spare Tire & Wheel - E-250/E-350 SRW incl. 2-Ton Mechanical Jack, E-350 SRW incl. 4-Ton Hydraulic Jack, NA w/6.0L IFA w/ E-450	514	O	O	O	O	O	O
Spare Tire & Wheel - NOT INCLUDED	516	S	S	S	S	S	S
18" Spare Tire - SRW	137	O	O	O	O	O	O
FUEL TANKS							
35.0 Gallon Mid-Ship Fuel Tank (E25 and S37 only)		S	—	S	—	—	—
40.0 Gallon Fuel Tank (included with 47S School Bus Prep.)	657	—	S	—	O	S	O
55.0 Gallon (avail. w/158" DRW WB only on E35/E39; N/A with 10,000 lbs. GVWR Pkg. 20W) (N/A w/47S School Bus Prep package)	656	—	O	—	S	O	S
KEY EXTERIOR OPTIONS							
AUXILIARY							
Dual System, 140-Amp and 120-Amp (avail. w/99P 6.0L diesel only)	63A	—	O	—	O	—	—
Heavy Duty, 140-Amp (avail. w/99P 6.0L Diesel only; N/A w/47S & 47B Pkgs w/6.0L engine, NA w/47A Pkg.)	63E	—	O	—	O	—	—
Extra Heavy Duty 195-Amp (avail w/99S 6.8L gas engine only)	63N	—	O	—	O	O	O
Heavy Duty 135-Amp (avail w/6.0L, 6.8L and 99S 6.8L gas engines only) incl. w/47S & 47B Packages, NA w/E-250	63V	—	O	O	O	O	O
Auxiliary Fuel Port	945	S	S	S	S	S	S
Battery Heavy-Duty Auxiliary - 75-Amp (NA w/6.0L Diesel Engine)	634	O	O	O	O	—	—
Bumper							
Front Chrome w/Black Lower Fascia, Incl. w/18A Exterior Upgrade Pkg. (47S Shuttle Bus and 47M Motorhome Pkg.)	764	P-18A	P-18A	P-18A	P-18A	—	—
Painted Black Front (NA w/18A Exterior Upgrade Pkg.)	76X	S	S	S	S	—	—
Painted White	76W	O	O	O	O	—	—
Door							
Right Hand Doors (includes RH door, A-pillar grab handle, RH seat & shoulder, passenger side air bag, under seat storage & seat heaters, N/A w/180 Interior Upgrade Pkg. 47A Ambulance Pkg. 903 Power Windows and Locks, Green and 47M Motorhome Pkg.)	60X	—	O	O	O	—	—

* = New for this model year

09/01/08

2009 E-SERIES CUTAWAY/STRIPPED CHASSIS OPTIONAL EQUIPMENT

BODY STYLE	Order Code	Cutaway				Stripped Chassis	
		778A	780A	781A	782A	785A	780A
E-250 Super Duty	E25	—	—	—	—	—	—
E-350 Super Duty	E35	—	—	—	—	—	—
E-350 Super Duty	S37	—	—	—	—	—	—
E-350 Stripped Chassis	E35	—	—	—	—	—	—
E-350 Stripped Chassis	E39	—	—	—	—	—	—
WHEELBASE							
Super Duty	138"	S	O	S	—	—	—
Super Duty	155"	—	O	—	O	—	—
Super Duty	176"	—	O	—	O	—	—
Stripped Chassis	138"	—	—	—	O	—	—
Stripped Chassis	158"	—	—	—	—	O	O
Stripped Chassis	176"	—	—	—	—	O	O
Engine Block Heater - Single Element (recommended when minimum temperature is 10°F or below.) (Incl. w/99P 6.0L Diesel Engine)	41H	O	O	O	O	O	O
Power Glass Brakes	763	O	O	O	O	O	O
KEY EXTERIOR OPTIONS (Continued)							
Integrated Trailer Brake Controller - Requires Trailer Tow Package (534) and Message Center (60J); N/A w/6.0L diesel; N/A on E25 and S37; N/A with S3D	68B	—	O	—	O	—	—
Mirrors							
Aerotype Exterior - LH/RH Manual Flat Glass Manual Mirror with Manual Adjust Convex Spotter Mirror (Avail with SRW only; Req. 625 Inside Rearview Mirror)	54G	O	O	O	—	—	—
Telescopic Trailer Tow Mirrors - Manual (incl. w/47A Ambulance Prep Pkg. N/A on 47B Shuttle Bus Pkg. & 60X RH Door Delete; N/A w/50J Power Group, 64D Remote Keyless Entry, 47M Multichrome Prep Pkg. or 48C Interior Upgrade Pkg.)	54D	O	O/P 47A	O	O/P 47A	—	—
Telescopic Trailer Tow Mirrors - Power (req. 903 Power Group NA w/47B Shuttle Bus Prep Pkg. & 60X RH Door Delete)	54E	O	O	O	O	—	—
Mirror - Day/Night Interior Rearview Mirror	625	O	O	O	O	—	—
Running Boards - LH/RH Door Length	688	O	O	O	O	—	—
Seats							
Alternate Lateral Frame (6 lateral all WB, incl. Frame Pucks, N/A w/47S School Bus Pkg.)	554	—	O	—	O	—	—
Frame Pucks (Seats); Incl. 12 Body Mounts (incl. w/47S School Bus Pkg. 47M Multichrome Pkg. 47A Ambulance Pkg. and 47B Shuttle Bus Pkg.)	559	—	O	O	O	—	—
Standard Pattern Frame (4 long/2 lateral w/138" & 158" WB, 4 lateral/2 long w/176" WB, 6 lateral w/RV Stripped Chassis (Incl. Frame Pucks N/A w/47S School Bus Pkg.))	557	—	O	—	O	—	—

★ = New for this model year

11/01/08

2009 E-SERIES CUTAWAY/STRIPPED CHASSIS OPTIONAL EQUIPMENT (CONT'D.)

BODY STYLE	Order Code	Cutaway				Stripped Chassis	
		778A	780A	781A	782A	785A	790A
E-250 Super Duty		E25	—	—	—	—	—
E-350 Super Duty		—	E35	—	—	—	—
E-350 Super Duty		—	—	S37	—	—	—
E-350 Super Duty		—	—	—	E45	—	—
E-350 Stripped Chassis		—	—	—	—	E39	—
E-450 Stripped Chassis		—	—	—	—	—	E48
WHEELBASE							
Super Duty	135"	S	O	S	—	—	—
Super Duty	159"	—	O	—	O	—	—
Super Duty	176"	—	O	—	O	—	—
Stripped Chassis	135"	—	—	—	—	O	—
Stripped Chassis	158"	—	—	—	—	O	O
Stripped Chassis	176"	—	—	—	—	O	O
KEY INTERIOR OPTIONS							
Air Bag Delete – Passenger Side (Req. 21B, 21S, 21T, 21D, or 21F). Note – Also deletes Air Bag Cut-off Switch.	59D	—	P	P	P	—	—
Air Conditioning Delete – Front Seat Only	67D	O	O	O	O	S	S
Instrument Panel Electronic Message Center (Std. with 6.0L diesel; Req. w/Trailer Brake Controller 68B)	60J	O	O	O	O	—	—
Passenger Air Bag Cut-Off Switch (Req. with Passenger-side Air Bag delete) (59D)	62C	O	O	O	O	—	—
Power Windows and Locks Group – Incl. one touch down power driver window	903	O	O	O	O	—	—
Remote Keyless Entry (req. power windows & locks 903)	948	O	O	O	O	—	—
SecuriLock® Passive Anti-Theft System (PATS) – Available on SRW only (Std. Control)	91E	O	O	O	—	—	—
525	O	O	O	O	—	—	—
Audio							
Electronic AM/FM Stereo/Clock	587	S	S	S	S	—	—
Premium Electronic AM/FM Stereo/Clock/CD/Audio Jack	585	O	O	O	O	—	—
Premium Plus CD/XG AM/FM Stereo/Clock/CD/Audio Jack	583	O	O	O	O	—	—
Premium Combination Audio/Navigation System with 6.5" in-dash display, single DVD/CD/MP3 player with DVD audio/video capability, internal hard drive for map, POI storage, 10GB music jukebox, SIRIUS® Satellite Radio capability, auxiliary audio input jack (58N) – Incl. 6 months SIRIUS® satellite radio service	58N	O	O	O	O	—	—
Radio Credit Delete	58Y	O	O	O	O	S	S
Radio Prep Package (incl. antenna, 2-speakers, grilles & wiring normally provided)	58G	O	O	O	O	—	—
Radio Prep Package (incl. antenna, 4-speakers, grilles & wiring normally provided)	58F	O	O	O	O	—	—
Radio Prep Package (incl. antenna, 6-speakers, grilles & wiring normally provided)	58D	O	O	O	O	—	—
Speaker							
Four Speaker Upgrade Pkg. (avail on Cutaway w/585 and 58N, Incl. w/58S, NA w/Six speaker upgrade Pkg. 676)	874	O	O	O	O	—	—
Six Speaker Upgrade Pkg. (avail on Cutaway w/585, 58N or 68S radios, NA w/Six speaker upgrade Pkg. 676)	676	O	O	O	O	—	—

* = New for this model year

11/01/08

2009 E-SERIES CUTAWAY/STRIPPED CHASSIS OPTIONAL EQUIPMENT (CONT'D.)

BODY STYLE	Order Code	Cutaway				Stripped Chassis	
		778A	780A	781A	782A	785A	790A
E-250 Super Duty		E25	—	—	—	—	—
E-350 Super Duty		—	E35	—	—	—	—
E-350 Super Duty		—	—	S37	—	—	—
E-350 Super Duty		—	—	—	EAC	—	—
E-350 Stripped Chassis		—	—	—	—	E39	—
E-450 Stripped Chassis		—	—	—	—	—	E49
WHEELBASE							
Super Duty	138"	S	O	S	—	—	—
Super Duty	155"	—	O	—	O	—	—
Super Duty	175"	—	O	—	O	—	—
Stripped Chassis	138"	—	—	—	—	O	—
Stripped Chassis	158"	—	—	—	—	O	O
Stripped Chassis	175"	—	—	—	—	O	O
KEY INTERIOR OPTIONS (Continued)							
Seats							
E-450 Power Driver Seat Adjuster (avail. w/21A, 21S, 21T, 21Y and w/21Z and 47)	20P	O	O	O	O	—	—
Buckets, Dual, High Back - Select Vinyl or Cloth 2 digit trim type/color code on Color/Trim Chart	211	S	S	S	S	—	—
Captain's Chairs - Driver Side Only (Mid-Series Cloth (N/A w/18C Interior Upgrade Pkg. or 47A Ambulance Pkg.) includes Passenger Airbag Delete and only available with 60X Right Hand Door Delete)	21T	—	O	O	O	—	—
Captain's Chairs - Driver Side w/o Trim Includes Passenger Airbag Delete Only available with 47B Shuttle Bus Pkg. w/60X Right Hand Door Delete	21S	—	O	—	O	—	—
Dual High-Back Cloth Captain's Chairs - Select 2 Digit Trim Type/Color on Color/Trim Chart (incl. w/18C Interior Upgrade Pkg.)	21A	O	O	O	O	—	—
Dual High-Back Cloth Captain's Chairs w/o Trim - Select 2 Digit Trim Type/Color on Color Trim Chart	21Y	—	O	O	O	—	—
Manual Pedestal w/2-Way Adjuster (incl. w/47M & 47B Prep Pkg. Provides manual pedestal, pretensioning restraint system & unique seat tracks for driver side only. Deletes floor covering. Temporary driver seat provided. N/A w/18C Interior Upgrade Pkg. or 47A Ambulance Pkg.)	21W	—	P-47B 47M	—	P-47B 47M	—	—
Passenger Seat Delete (deletes passenger seat, air bag & harness restraint system. Incl. w/47S Prep Pkg. and 60X Right Hand door delete. N/A w/18C Interior Upgrade Pkg. or 47A Ambulance Pkg.)	21B	—	O	O	O	—	—
Power Seat Prep Pkg. - Driver Seat Pedestal & prepared for Power Seat. Deletes Floor Covering. Only available with 47M Motorhome Pkg. or 47B Shuttle Bus Pkg.	21Z	—	O	—	O	—	—
Seat Prep Pkg. - Manual with 2-way Adjuster (provides manual pedestal, pretensioning restraint system & unique seat tracks for driver side only. Includes Passenger Airbag Delete. Temporary driver seat provided. Available with 47B shuttle Bus Pkg. only N/A with 18C Interior Upgrade Package)	21D	—	O	—	O	—	—
Seat Prep Pkg. - Power (provides manual pedestal, pretensioning restraint system & unique seat tracks for driver side only. Deletes floor covering and passenger airbag. Temporary driver seat provided. Only available with 47B Shuttle Bus Pkg. w/60X Right Hand Door Delete)	21F	—	O	—	O	—	—
GROUPS/PACKAGES (See Packaged Options/Emissions Page for Pkg. Content)							
A/C Prep Package	57Z	—	—	—	—	O	O
Ambulance Prep Package (req. 6.0L diesel engine)	47A	—	O	—	O	—	—
Ambulance Prep Package, Not Required (req. on orders not destined for Ambulance use)	47Z	O	O	O	O	—	—
Auxiliary Heater/AC Generator Package	57L	—	O	O	O	—	—
Auxiliary Heater/AC Generator Package w/Rear Controls	57X	—	O	O	O	—	—
Exterior Climate Package	78Z	O	S	O	O	—	—
FORD WORK SOLUTIONS (See Packaged Options pages for content and restrictions)							
In-Dash Computer by Magneti Marelli™ (n/a w/ Crew Chief (85C). Requires Ford Work Solutions Prep Package (58F), (85P) or (58W). Deletes standard radio)	98A	O	O	O	O	—	—
Prep Package - 2-speaker	56F	O	O	O	O	—	—
Prep Package - 4-speaker	58W	O	O	O	O	—	—
Prep Package - 6-speaker	58F	O	O	O	O	—	—
Crew Chief (Telematics) by Microlise™ (n/a w/ In-Dash Computer (98A))	85C	O	O	O	O	—	—
Insulation Package	55Z	O	O	O	O	—	—
Interior Upgrade (see Packaged Options/Emissions page for pkg. content)	18C	O	O	O	O	—	—
Motorhome Prep Package	47M	—	O	—	O	—	—
School Bus Prep Package	47S	—	O	—	O	—	—

* = New for this model year

S = Standard, O = Optional, P = Packaged Option
Ford Division

11/01/08		2009 E-SERIES CUTAWAY/STRIPPED CHASSIS OPTIONAL EQUIPMENT (CONT'D.)					
		Order Code	Cutaway			Stripped Chassis	
			778A	780A	781A	782A	785A 790A
BODY STYLE	E-250 Super Duty		E25	—	—	—	—
	E-350 Super Duty		—	E35	—	—	—
	E-350 Super Duty		—	—	S37	—	—
	E-450 Super Duty		—	—	—	E45	—
	E-350 Stripped Chassis		—	—	—	—	E39
	E-450 Stripped Chassis		—	—	—	—	E49
WHEELBASE	Super Duty	138"	S	O	S	—	—
	Super Duty	150"	—	O	—	O	—
	Super Duty	176"	—	O	—	O	—
	Stripped Chassis	138"	—	—	—	—	O
	Stripped Chassis	158"	—	—	—	—	O
	Stripped Chassis	176"	—	—	—	—	O
FORD WORK SOLUTIONS (See Packaged Options pages for content and restrictions) (Continued)							
School Bus Prep Package		47S	—	O	—	O	—
Trailer Towing Package (Class I)		534	O	O	O	O	—
Leer Defined Switches - includes four Upfitter switches on the instrument panel. N/A with 4.0L (200V) engine. Requires Heavy Duty Alternator. 155 Amp (63M) with 5.4L (90L) or 6.0L (95S). 195 Amp (69N) with 6.0L (93S).		52S	—	O	O	O	—
LPO OPTIONS							
Auxiliary Heater Connection Package w/Rear Fan Controls - (avail. w/47S, 47M or 47B Prep Pkgs.)		57J	—	O	O	O	—
Daytime Running Lamps		54Z	O	O	O	O	S
Engine Console Cover Delete - Fleet only w/valid FIN code		41X	O	O	O	O	S
Front Max GVWR - up to 5000 lb. Fleet only w/valid FIN code. Standard on E-350 Cutaway with 5.0L Engine on 128 and 176 in. WB. N/A with 47A, 47M on E-450. Included on select School Bus Prep (47S) GVWR combinations (see Packaged Options page for details). N/A with E35 with 10,000# (20N) GVWR. Standard E-450 w/13,000# GVWR and 14,500# GVWR. Avail. E-450 14,000# GVWR. See chart page 12.		57Z	—	O	O	O	O
Wire Kit Delete - Fleet only w/valid FIN code, N/A with 68B		53D	O	O	O	O	—

* = Now for this model year

05/23/08

2009 E-SERIES CUTAWAY/STRIPPED CHASSIS COLOR & TRIM AVAILABILITY

Note: First letter denotes type second letter denotes color		Interior and Seat Color	
STANDARD	Vinyl Buckets Cloth Buckets Cloth Captain's Chairs Seats Not Included	Medium Flint AE CE ME XE	Medium Pebble MW XW
EXTERIOR COLOR		Code	Availability
COMMERCIAL			
Yellow Clearcoat ¹		BY	•
Dark Pearl Blue Clearcoat Metallic		DX	•
Vermillion Red Clearcoat		E4	•
Black Clearcoat		UA	•
Brilliant Silver Clearcoat		UI	•
Royal Red Clearcoat Metallic		UK	•
Oxford White Clearcoat		YZ	•
MOTORHOME PACKAGE (47M)			
Yellow Clearcoat		BY	•
Dark Pearl Blue Clearcoat Metallic		DX	•
Vermillion Red Clearcoat		E4	•
Black Clearcoat		UA	•
Brilliant Silver Clearcoat		UI	•
Royal Red Clearcoat Metallic		UK	•
Oxford White Clearcoat		YZ	•

NOTE: Commercial Cutaway and Cutaway Interior Upgrade Pkg. (16C) only available with Medium Flint Interior. Motorhome Package (47M) with both Medium Flint and Medium Pebble Interior

¹ Yellow Clearcoat Available with Fleet Order Types Only.

* = New for this model year

11/01/08

2009 E-SERIES CUTAWAY/STRIPPED CHASSIS PACKAGED OPTIONS/EMISSIONS

AC PREP PACKAGE (57Z)

Availability:

- Optional on Stripped Chassis only

Includes:

- Scroll Compressor, condenser, drive belt, tensioner-attaching brackets and bolts

AMBULANCE PREPARATION PACKAGE (47A)

Availability:

- Optional on E-35 and E-45 Cutaway only
- Not available on Stripped Chassis

Not available with:

- Heavy Duty Alternator (83E)
- Seat options 21F, 21D, 21W, 21S, 21Z or 21T
- Trailer Tow Pkg. (534)

Requires:

- 6.0L Power Stroke® V8 diesel engine

Includes:

- 57L Auxiliary Heater – Air Conditioning Connector Pkg.
- Limited slip axle (4.10 ratio)
- Dual Alternator (83A)
- Dual 78 Amp Battery Pack
- Front Max GAWR (672)
- Spare Tire and Wheel (51A)
- Mirrors, Telescopic Trailer Tow with Manual Adjustments (54D)
- Vinyl headliner and sunvisors
- Frame pucks (isolators – included when spacers not ordered)
- Dual note horn
- License plate bracket
- Badging (shipped in dunnage)

NOTE 1: *er* May substitute with Auxiliary Heater/AC Connector Package with rear controls (57X)

NOTE 2: *er* May use Exterior Mirror Delete (54F) to delete Low Mount Recreational Mirrors (54D) from Ambulance Prep Package. Vehicle will be built without exterior mirrors

AUXILIARY HEATER – AIR CONDITIONING CONNECTOR PACKAGE (57L) (w/o REAR A/C CONTROLS)

Availability:

- Optional on E-350 and E-450 Cutaway only

Includes:

- Front heater connector
- Front air conditioning connector

NOTE: *er* This package is intended to provide necessary hardware for body builders to install own auxiliary system.

AUXILIARY HEATER – AIR CONDITIONING CONNECTOR PACKAGE (57X) (w/REAR A/C CONTROLS)

Availability:

- Optional on E-350 and E-450 Cutaway only

Includes:

- Front heater connector
- Front air conditioning connector
- Rear A/C controls in instrument panel

NOTE 1: *er* This package is intended to provide necessary hardware for body builders to install own auxiliary system.

EXTERIOR UPGRADE PACKAGE (18A)

Availability:

- Optional on Cutaway only

Includes:

- Front chrome bumper
- Chrome grille
- Dual seal beam w/fixd lens headlamps

FORD WORK SOLUTIONS – IN-DASH COMPUTER BY MAGNETI MARELLI™ (98A)

Availability:

- Optional on all Cutaway
- N/a with Satellite Radio (58N)
- N/a with Crew Chief™ (85C)

Includes:

- In-Dash Computer with Microsoft Auto Operating System
- Touch Screen
- Radio and Internet Functionality – (Requires Sprint Broadband service – available at Ford Corporate Rate)
- Wireless Keyboard and Wireless Mouse
- Garmin Navigation System
- Radio Delete – deletes standard radio

Requires:

- Ford Work Solutions Prep Package: (58F), (58V) or (58P)

FORD WORK SOLUTIONS – PREP PACKAGE

- No radio chassis.

Includes:

- Antenna, speaker grilles and wiring that are normally provided with single-CD radio packages
- (58F) 2-speakers (n/a w/58W or 58P Prep Packages)
- (58V) 4-speakers (n/a w/ 58F or 58P Prep Packages)
- (58P) 6-speakers (n/a w/ 58F or 58W Prep Packages)

FORD WORK SOLUTIONS – CREW CHIEF™ (TELEMATICS) BY MICROLISE™ (85C)

Availability:

- Optional on all Cutaways
- N/a with In-Dash Computer (98A)

Includes:

- Onboard device for tracking vehicle location, speed and idle time
- Optional vehicle diagnostics and maintenance reports

Requires:

- Additional subscription service

INSULATION PACKAGE (552)

Availability:

- Optional on Cutaway only

Not available with:

- Motorhome Package (47M)

Includes:

- Front cloth headliner
- Cloth sunvisors

INTERIOR UPGRADE PACKAGE (18C)

Availability:

- Optional on Cutaway only

Not available with:

- Right Hand Door Delete (60X)
- School Bus Package (47S)
- Motorhome Package (47M)

Includes:

- Front cloth headliner
- High-series door trim panels
- Dual Cloth Captain's Chairs (21A)
- Cloth sunvisors
- Front carpeting
- Power door locks and windows (903)
- Insulation Package (552)

NOTE: *er* May substitute with Vinyl Floor Covering (162)

11/01/08

2009 E-SERIES CUTAWAY/STRIPPED CHASSIS PACKAGED OPTIONS/EMISSIONS

MOTORHOME PREP PACKAGE (47M)

Availability:

- Optional on E-350 and E-450 Cutaway only

Not available with:

- Right Hand Door Delete (80X)
- Interior Upgrade Pkg. (18C)
- Insulation Package (55Z)

Includes:

- Front chrome bumper and grille
- Dual seal beam w/fixed lens headlamps
- Power door locks and windows (803)
- Manual Pedestals, seats not included (21W)
- Speed Control (525)
- Fixed antenna
- Front Max GAWR on E-450
- 55-Gallon fuel tank (40 gallon E35 with 138" or 176"WB)
- Frame pucks (isolators- included when spacers not ordered)
- Front license plate bracket
- Class I Trailer Tow Prep Package
- Cloth sunvisors

Deletes:

- Front vinyl floor covering
- Front headliner
- Front dome lamp

NOTE 1: *Reference RV and Trailer Towing Guide for maximum trailer weights and GAWRs*

NOTE 2: *May upgrade to optional Extra Heavy Duty 195-Amp Alternator (63N) with 6.8L only*

NOTE 3: *May add 162 front vinyl floor covering*

NOTE 4: *May upgrade to 21A or 21Y seats*

RIGHT HAND DOOR DELETE (80X)

Availability:

- Optional on E-350 and E-450 Cutaway only

Not available with:

- Interior Upgrade Package (18C)
- Motorhome Pkg. (47M)
- Ambulance Pkg. (47A)
- Power Equipment Group (903)

Includes:

- Exterior Mirror Delete (54F)
- Passenger Seat Delete (21B)

Deletes:

- Right hand seat, seat belt system and hardware
- Passenger side air bag
- Passenger side A-pillar grab handle
- Passenger side sunvisor
- Passenger side speaker
- Headliner

SCHOOL BUS BODY BUILDER PREP PACKAGE (47S)

Availability:

- E-350 138" WB, 5.4L Gas (89L) 9,800# GVWR (SRW)
- E-350 138" WB, 6.0L Diesel (99P) 9,800# GVWR (SRW)
- E-350 138" WB, 5.4L Gas (99L) 11,500# GVWR (DRW)
- E-350 138" WB, 6.8L Gas (99S) 11,500# GVWR (DRW)
- E-350 138" WB, 6.0L Diesel (99P) 11,500# GVWR (DRW)
- E-450 156" WB, 5.4L Gas (89L) 14,050# GVWR (DRW)
- E-450 156" WB, 6.8L Gas (99S) 14,500# GVWR (DRW)
- E-450 156" WB, 6.0L Diesel (89P), 14,500# GVWR (DRW)

Not available with:

- Interior Upgrade Pkg. (18C)
- Trailer Tow Pkg. (534)

Includes:

- Front license plate bracket
- Banded front door glass (Tinted)
- High Back Driver Seat Only (21B)
- Frame pucks
- Exterior Mirror Delete (54F)
- Heavy Duty 155-Amp Alternator (63M) Incl. w/Gas engines only
- Heavy Duty 140-Amp Alternator (63E) Incl. w/99P Diesel only (Dual Alternators can be ordered in lieu of 63E)
- 40-gallon fuel tank

Deletes:

- RH seat, seat pedestal and attaching hardware
- RH seat belt system
- RH B-pillar trim and scuff plate
- Passenger side air bag (RH front)
- Exterior Telescopic Trailer Tow Mirrors (54E)
- Front headliner

NOTE 1: *Front Max GAWR (872) is not available with School Bus Prep Pkg. on E35 w/5.4L or 6.8L; E45 w/5.4L. Included with E35 and E45 w/ 6.0L; E45 w/6.8L.*

NOTE 2: *May upgrade to optional Extra Heavy Duty 195-Amp Alternator (63N) with 6.8L only*

SHUTTLE BUS PREP PACKAGE (47B)

Availability:

- Optional on E-350 and E-450 Cutaway only
- Optional with Dual High-Back Cloth Captain's Chairs (21A)

Includes:

- Front chrome bumper and grille
- Dual seal beam w/fixed lens headlamps
- Manual Pedestals, seats not included (21W)
- Power door locks and windows 803 (NA w/RH door delete 80X)
- Driver and front passenger air bags
- Front Max GAWR on E-450
- Engine block heater
- Frame pucks (isolators- included when spacers not ordered)
- Front license plate bracket
- Exterior Mirror Delete (54F)
- Heavy Duty 155-Amp Alternator (63M) Incl. w/Gas engines only
- Heavy Duty 140-Amp Alternator (63E) Incl. w/99P Diesel only (Dual Alternators can be ordered in lieu of 63E)

Deletes:

- Front vinyl floor covering
- Front headliner
- Front dome lamp

NOTE 1: *May add (162) front vinyl floor covering*

NOTE 2: *May upgrade to optional Extra Heavy Duty 195-Amp Alternator (63N) with 6.8L only*

SPARE TIRE AND WHEEL (51A)

Availability:

- Optional on E-350 and E-450

Includes (E-350 only - no jack included with E-450):

- 2 Ton Mechanical Jack (E-350 BRW only)
- 4 Ton Hydraulic Jack (E-350 DRW only)

★ = New for this model year

11/01/08

2009 E-SERIES CUTAWAY/STRIPPED CHASSIS PACKAGED OPTIONS/EMISSIONS

MISCELLANEOUS

COV Required 79V
 Priced DORA C08

SPECIAL ORDERS

(FLEET ONLY. See www.fmcdealer.com for ordering guidelines and restrictions.)

PAYLOAD PACKAGE SELECTOR CHART

WB INCH	OPT. CODE	ENGINE	GVWR LBS
E25 Cutaway - Single Rear Wheel (SRW)			
138-SRW	203	4.6L	8600
E35 Cutaway - Single/Dual Rear Wheel (SRW/DRW)			
138-SRW	20Q	5.4L/6.8L	9600
138-SRW	20B	6.0L	9900
138-DRW	20Y	5.4L/6.8L/6.0L	11500
138-DRW	20W	5.4L/6.8L/6.0L	10000
158-DRW	20Y	5.4L/6.8L/6.0L	11500
158-DRW	20W	5.4L/6.8L/6.0L	10000
158-DRW	20C	5.4L/6.8L/6.0L	12500
176-DRW	20C	5.4L/6.8L/6.0L	12500
176-DRW	20W	5.4L/6.8L/6.0L	10000
S37 Cutaway - Single Rear Wheel (SRW)			
138-SRW	20Q	5.4L	9600
E45 Cutaway - Dual Rear Wheel (DRW)			
158-DRW	209	6.0L	13990
158-DRW	206	5.4L	14050
158-DRW	20F	6.8L/6.0L	14500
176-DRW	209	6.0L	13990
176-DRW	206	5.4L	14050
176-DRW	20F	6.8L/6.0L	14500
E39 Stripped Chassis - Single/Dual Rear Wheel (SRW/DRW)			
138-SRW	20D	5.4L	9000
138-DRW	20Y	5.4L/6.8L	11500
138-DRW	20W	5.4L/6.8L	10000
158-SRW	20Q	5.4L	9600
158-DRW	20C	5.4L/6.8L	12500
158-DRW	20W	5.4L/6.8L	10000
176-DRW	20C	5.4L/6.8L	12500
176-DRW	20W	5.4L/6.8L	10000
E49 Stripped Chassis - Dual Rear Wheel (DRW)			
158-DRW	206	5.4L	14050
158-DRW	20F	6.8L	14500
176-DRW	206	5.4L	14050
176-DRW	20F	6.8L	14500

NOTE: For Payload Information, please see the 2007 E-Series e-Sourcebook

50 STATE EMISSION SYSTEM

Standard on all units (including Diesel, 14,500# GVWR E-450 Cutaway *with* one of the following exemption packages:

- (47A) Ambulance Prep
- (47B) Shuttle Bus Prep
- (47M) Motorhome Prep
- (47S) School Bus Prep 425

FEDERAL (49-STATE) EMISSION SYSTEM

Standard on Diesel, 14,500# GVWR E-450 Cutaway *without* one of the following exemption packages:

- (47A) Ambulance Prep
- (47B) Shuttle Bus Prep
- (47M) Motorhome Prep
- (47S) School Bus Prep

CLEAN FUEL FLEET VEHICLE (CFFV) CERTIFIED

Clean Fuel Fleet - Not Available with Diesel 6.0L Engine..... 856

Auxiliary Fuel Port

Auxiliary Fuel Port (Incl. w/99P 6.0L Engine, NA w/4.6L Engine) located on the fuel tank, offers entry point access to fuel tank for specialized diesel or gas powered equipment such as a power generator, diesel powered wheelchair lift etc 946

California and other select states E450 Diesel GVWR package - 13,990 (209)

Required on E-450 with 6.0L diesel engine (affected states listed below) - excludes vehicles ordered with vocational packages, School Bus (47S), Shuttle Bus (47B), Motorhome (47M) and Ambulance (47A) packages, States affected by this restriction include California, Connecticut, Delaware, Georgia, Maine, New Jersey, New York, North Carolina and Pennsylvania, 209

2009 FRONT GAWR AVAILABILITY CHART

WB INCH	ENGINE	GVWR LBS	FGAWR Standard	FGAWR Max (672)
E25 Cutaway - Single Rear Wheel (SRW)				
138-SRW	4.6L	8600	3800	N/A
S37 Cutaway - Single Rear Wheel (SRW)				
138-SRW	5.4L	9600	4050	4200
E35 Cutaway - Single/Dual Rear Wheel (SRW/DRW)				
138-SRW	5.4L/6.8L	9600	4050 / 4200	4200 / N/A
138-SRW	6.0L	9900	4600	N/A
138-DRW	5.4L/6.8L/	11500	4050 / 4200 /	4600 / 4600 /
	6.0L		4600	N/A
138-DRW	5.4L/6.8L/	10000	3900 / 4050 /	N/A
	6.0L		4400	
158-DRW	5.4L/6.8L/	11500	4050 / 4200 /	4600 / 4600 /
	6.0L		4600	N/A
158-DRW	5.4L/6.8L/	10000	3900 / 4050 /	N/A
	6.0L		4400	
158-DRW	5.4L/6.8L/	12500	4600 / 4600 /	5000 / 5000 /
	6.0L		5000	N/A
176-DRW	5.4L/6.8L/	12500	4600 / 4600 /	5000 / 5000 /
	6.0L		5000	N/A
176-DRW	5.4L/6.8L/	10000	3900 / 4050 /	N/A
	6.0L		4400	
E45 Cutaway - Dual Rear Wheel (DRW)				
158-DRW	6.0L	13990	5000	N/A
158-DRW	5.4L	14050	4600	5000
				N/A 47S
158-DRW	6.8L/6.0L	14500	5000 / 5000	N/A
176-DRW	6.0L	13990	5000	N/A
176-DRW	5.4L	14050	4600	5000
176-DRW	6.8L/6.0L	14500	5000 / 5000	N/A
E39 Stripped Chassis - Single/Dual Rear Wheel (SRW/DRW)				
138-SRW	5.4L	9000	3800	N/A
138-DRW	5.4L/6.8L	11500	4200 / 4400	4600 / 4600
138-DRW	5.4L/6.8L	10000	3900 / 4050	N/A
158-SRW	5.4L	9600	3800	4200
158-DRW	5.4L/6.8L	12500	4600 / 4600	5000 / 5000
158-DRW	5.4L/6.8L	10000	3900 / 4050	N/A
176-DRW	5.4L/6.8L	12500	4600 / 4600	5000 / 5000
176-DRW	5.4L/6.8L	10000	3900 / 4050	N/A
E49 Stripped Chassis - Dual Rear Wheel (DRW)				
158-DRW	5.4L	14050	4600	5000
158-DRW	6.8L	14500	5000	N/A
176-DRW	5.4L	14050	4600	5000
176-DRW	6.8L	14500	5000	N/A

* = New for this model year

05/23/08

2009 E-SERIES CUTAWAY/STRIPPED CHASSIS POWERTRAIN/DIMENSIONS

FUEL ECONOMY

TRUCKS WITH GROSS VEHICLE WEIGHT RATINGS OVER 8,500 POUNDS ARE NOT INCLUDED IN THE EPA FUEL ECONOMY RATING SYSTEM. FUEL ECONOMY INFORMATION ON THESE MODELS IS GENERALLY NOT AVAILABLE BECAUSE OF WIDE VARIANCES IN VEHICLE LOADING AND OPERATIONAL CONDITIONS BETWEEN VARIOUS CUSTOMER APPLICATIONS.

ENGINE HORSEPOWER AND TORQUE RATINGS*

ENGINE DISPL.	TRANSMISSION	NOMINAL COMPRESSION RATIO	50 STATES	
			HORSEPOWER H.P. @ RPM	TORQUE FT. LB. @ RPM
ALL				
4.6L EFI V8	4-Spd Auto O/D (4R75E)	9.0	225 @ 4600	288 @ 3500
5.4L EFI V8	5-Spd Auto O/D (5R110W)	9.0	255 @ 4500	350 @ 2500
6.8L EFI V10	5-Spd Auto O/D (5R110W)	9.0	305 @ 4250	420 @ 3250
6.0L DI Power Stroke® V8	5-Spd Auto O/D (5R100W)	18.0	235 @ 3150	440 @ 1800

DIMENSIONS

SEE BODY BUILDER LAYOUT BOOK FOR ALL SPECIFICATIONS

* All horsepower and torque ratings are preliminary figures

* = New for this model year

2009 E-Series Van/Cutaway

Quality/Reliability/Durability

QUALITY/RELIABILITY/DURABILITY
This page is about:

- Easy Maintenance
- Ford Motor Company Business Preferred Network (BPN)
- Uptime-Critical Parts Program
- Warranty Details

Easy Maintenance

Yellow-coded Service Points

- Enable technicians to readily identify key components during routine maintenance
- Allow service to be accomplished quickly and efficiently

Extended Maintenance Intervals

- 7,500-mile oil change interval
- 90,000-mile spark plug replacement interval for gasoline engines
- 36-month or 60,000-mile replacement interval for the internally mounted TorqShift® transmission filter

Maintenance-free Battery

- Standard on all E-Series Commercial Vans
- Reduces long-term maintenance costs

Common Parts Throughout E-Series Lineup

- Helps minimize part inventories and stocking costs
- Helps save customers time and money

Vocational Applications

Ford's limited warranty and optional service plans will help commercial customers be sure they are making a smart decision.

- When commercial customers choose an E-Series, they also get thousands of qualified service technicians available well beyond the standard 9-to-5 business day
- **The Ford Motor Company Business Preferred Network (BPN)** is a cohesive and comprehensive approach to the small to mid-sized commercial/fleet sales, parts and service, and financial services business
 - BPN combines existing commercial/fleet business activities such as Quality Fleet Care, QualityCare Maintenance (QCM), Around the Wheel (ATW), Commercial Service Plus, etc.
 - Please contact your regional sales office for more information on the BPN Program

- **Uptime-Critical Parts Program** lets dealers order selected uptime-critical parts for delivery 365 days per year
 - The Uptime-Critical Parts Program can **ONLY** be used to support critical commercial truck needs outside of "normal" FCSD order processing business hours as follows:
 - Monday through Sunday — from the customer's closest Ford parts depot's local emergency cutoff time until midnight ET. The only exception to this is heavyweight parts (150+ lbs.) where the order cutoff time will be 11 p.m. ET and delivery is second day by 4:30 p.m. local time. This is to allow extra handling time required for such parts
 - Vehicle Down orders will **ONLY** be taken beyond normal Ford Customer Service Division (FCSD) emergency order processing hours. Customers still must submit their normal daily and emergency requirements through the normal FCSD channels
- Orders may be placed by calling the Customer Service Commercial Truck Center at 800-782-5050

Warranty Details

New Vehicle Limited Warranty

- 3-year/36,000-mile Bumper-to-Bumper; no deductible
- 5-year/60,000-mile Powertrain Limited Warranty
- 5-year/unlimited-mileage Corrosion Perforation
- 5-year/60,000-mile Safety Restraint

5-year/60,000-mile Powertrain Limited Warranty

- Powertrain Limited Warranty for Ford vehicles is 5 years or 60,000 miles, whichever comes first
- That's an additional 2 years/24,000 miles of coverage for components such as the engine, transmission and front and rear-wheel-drive parts beyond the vehicle's 3-year/36,000-mile Bumper-to-Bumper Limited Warranty
- Refer to the vehicle Warranty Guide for a complete list of all of the parts covered

August 2008

24-Hour Roadside Assistance

- Toll-free number (1-800-241-FORD); operational 24 hours a day, every day
- Customers can request services to change flat tire, jump-start battery, unlock vehicle, deliver fuel or tow vehicle
- Available for 5 years or 60,000 miles, whichever comes first

E-Series Van/Cutaway