



**THE ESCAMBIA COUNTY SCHOOL DISTRICT  
PURCHASING DEPARTMENT  
75 N. PACE BLVD.  
PENSACOLA, FL 32505**

**INVITATION TO BID (ITB) & BIDDER'S ACKNOWLEDGEMENT**

POSTING DATE:

**December 10, 2010**

PURCHASING CONTACT & TELEPHONE:

**Marguerite Van Nostrand (850) 469-6209  
mvannostrand@escambia.k12.fl.us**

BID TITLE:

**Vehicles- (1) Tire Service Truck and (1) Wrecker**

BID NUMBER:

**111203**

**BID OPENING DATE & TIME: Monday, January 10, 2011, 3:30 PM Central Standard Time**

**NOTE: BIDS RECEIVED AFTER THE BID OPENING DATE AND TIME WILL NOT BE ACCEPTED.**

**PLEASE NOTE DELIVERY ADDRESS HAS CHANGED**

The School District of Escambia County, Florida, solicits your company to submit a bid on the above referenced goods or services. All terms, specifications and conditions set forth in this invitation are incorporated into your response. A Bid will not be accepted unless all conditions have been met. All bids must have an authorized signature in the space provided below. All Bids must be sealed and received in the **School District's Purchasing Office at 75 N. Pace Blvd., Pensacola, Florida 32505**, by the "Bid Opening Date & Time" referenced above. All envelopes containing sealed bids must reference the "Bid Title", "Bid Number" and the "Bid Opening Date & Time". The School District is not responsible for lost or late delivery of Bids by the U.S. Postal Services or other delivery services used by the Bidder. Bids may not be withdrawn for a period of sixty (60) days after the bid opening unless otherwise specified.

**THE FOLLOWING MUST BE COMPLETED, SIGNED, AND RETURNED AS PART OF YOUR BID. BIDS WILL NOT BE ACCEPTED WITHOUT THIS FORM, SIGNED BY AN AUTHORIZED AGENT OF THE BIDDER.**

COMPANY NAME:

MAILING ADDRESS:

CITY, STATE, ZIP

FEDERAL EMPLOYER'S IDENTIFICATION NUMBER (FEIN):

TELEPHONE NUMBER:

(EXT: )

FACSIMILE NUMBER:

EMAIL:

HOW DID YOU FIND OUT ABOUT THIS BID? SCHOOL DISTRICT WEBSITE\_\_\_ BIDNET\_\_\_ DEMAND STAR\_\_\_ PRIME VENDOR\_\_\_  
OTHER\_\_\_ (PLEASE SPECIFY\_\_\_\_\_)

I CERTIFY THAT THIS BID IS MADE WITHOUT PRIOR UNDERSTANDING, AGREEMENT, OR CONNECTION WITH ANY OTHER BIDDER SUBMITTING A BID FOR THE SAME MATERIALS, SUPPLIES, EQUIPMENT OR SERVICES, AND IS IN ALL RESPECTS FAIR AND WITHOUT COLLUSION OR FRAUD. I AGREE TO ABIDE TO ALL TERMS AND CONDITIONS OF THIS BID AND CERTIFY THAT I AM AUTHORIZED TO SIGN THIS BID FOR THE BIDDER.

AUTHORIZED SIGNATURE:

TYPED OR  
PRINTED NAME:

TITLE:

DATE:

**INTRODUCTION:** The purpose of this bid is for a one time purchase of one Wrecker and one Tire Service Truck as detailed in the bid specifications. Pricing is all inclusive: vehicle cost, tax, title, tag, District staff training for wrecker operation, and delivery to School District Transportation Garage. Wrecker purchase includes a trade-in on an existing District vehicle (wrecker).

## II. GENERAL TERMS AND CONDITIONS

NOTE: The term "Bidder" as used within this Invitation To Bid (ITB) refers to the person, company or organization responding to this ITB. The Bidder is responsible for understanding and complying with the terms and conditions herein.

- A. **GENERAL:** Upon a Bid award, the terms and conditions of this Bid or any portion thereof, may upon mutual agreement of the parties be extended for an additional term(s) or for additional quantities (all original terms and conditions will remain in effect). Subject to the mutual consent of the parties, the pricing, terms and conditions of this Bid, for the products or services specified herein, may be extended to other municipal, city or county government agencies, school boards, community or junior colleges, or state universities within the State of Florida.
- B. **BID OPENING AND FORM:** Bid openings will be public on the date and time specified on the Bidder's Acknowledgement form. All Bids received after the time indicated will be rejected as non-responsive and returned unopened to sender. Bids by Email, fax, telegram, or verbally by telephone or in person will not be accepted. The public opening will acknowledge receipt of the bids only, details concerning pricing or the offering will not be announced. All bids submitted shall become public record upon an announcement of a recommended award or ten days after the opening date whichever occurs first. To protect any confidential information contained in their Bid, companies must invoke the exemptions to disclosure provided by law in response to the ITB, and must identify the data and other material to be protected, and must state the reasons why such exclusion from public disclosure is necessary.
- C. **WARRANTY:** All goods and services furnished by the Bidder, relating to and pursuant to this Bid will be warranted to meet or exceed the Specifications contained herein. In the event of breach, the Bidder will take all necessary action, at Bidder's expense, to correct such breach in the most expeditious manner possible.
- D. **PRICING:** All pricing submitted will include all packaging, handling, shipping charges, and delivery to any point within Escambia County, Florida to a secure area or inside delivery. The School Board is exempt and does not pay Federal Excise and State of Florida Sales taxes.
- E. **TERMS OF PAYMENT / INVOICING:** The normal terms of payment will be Net 30 Days from receipt and acceptance of goods or services and Bidder's invoice. Itemized invoices, each bearing the Purchase Order Number must be mailed on the day of shipment. Invoicing subject to cash discounts will be mailed on the day that they are dated.
- F. **TRANSPORTATION AND TITLE:** (1) Title to the goods will pass to the School District upon receipt and acceptance at the destination indicated herein. Until acceptance, the Bidder retains the sole insurable interest in the goods. (2) The shipper will prepay all transportation charges. The School District will not accept collect freight charges. (3) No premium carriers will be used for the School District's account without prior written consent of the Director of Purchasing.
- G. **PACKING:** All shipments will include an itemized list of each package's content, and reference the School District's Purchase Order Number. No charges will be allowed for cartage or packing unless agreed upon by the School District prior to shipment.
- H. **INSPECTIONS AND TESTING:** The School District will have the right to expedite, inspect and test any of the goods or work covered by this Bid. All goods or services are subject to the School District's inspection and approval upon arrival or completion. If rejected, they will be

held for disposal at the Bidder's risk. Such inspection, or the waiver thereof, however, will not relieve the Bidder from full responsibility for furnishing goods or work conforming to the requirements of this Bid or the Bid Specifications, and will not prejudice any claim, right, or privilege the School District may have because of the use of defective or unsatisfactory goods or work.

- I. **STOP WORK ORDER:** The School District may at any time by written notice to the Bidder stop all or any part of the work for this Bid award. Upon receiving such notice, the Bidder will take all reasonable steps to minimize additional costs during the period of work stoppage. The School District may subsequently either cancel the stop work order resulting in an equitable adjustment in the delivery schedule and/or the price, or terminate the work in accordance with the provisions of the Bid terms and conditions.
- J. **INSURANCE AND INDEMNIFICATION:** The Bidder agrees to indemnify and save harmless the School District, its officers, agents and employees from and against any and all claims and liabilities (including expenses) for injury or death of persons or damage to any property which may result, in whole or in part, from any act or omission on the part of the Bidder, its agents, employees, or representatives, or are arising from any Bidder furnished goods or services, except to the extent that such damage is due solely and directly to the negligence of the School District. The Bidder will carry comprehensive general liability insurance, including contractual and product liability coverage, with minimum limits acceptable to the School District. The Bidder will, at the request of the School District, supply certificates evidencing such coverage.
- K. **RISK OF LOSS:** The Bidder assumes the following risks: (1) all risks of loss or damage to all goods, work in process, materials and equipment until the delivery thereof as herein provided; (2) all risks of loss or damage to third persons and their property until delivery of all goods as herein provided; (3) all risks of loss or damage to any property received by the Bidder or held by the Bidder or its suppliers for the account of the School District, until such property has been delivered to the School District; (4) all risks of loss or damage to any of the goods or part thereof rejected by the School District, from the time of shipment thereof to Bidder until redelivery thereof to the School District.
- L. **LAWS AND REGULATIONS:** Bidders will comply with all applicable Federal, State and Local laws, statutes and ordinances including, but not limited to the rules, regulations and standards of the Occupational Safety and Health Act of 1970, the Federal Contract Work Hours and Safety Standards Act, and the rules and regulations promulgated under these Acts. Bidders agree not to discriminate against any employee or applicant for employment because of race, sex, religion, color, age or national origin.

All agreements as a result of an award hereto and all extensions and modifications thereto and all questions relating to its validity, interpretation, performance or enforcement shall be governed and construed in conformance to the laws of the State of Florida.

**Jessica Lunsford Act requiring background screening and fingerprint of all vendor representatives that will visit a school for any reason during this process will be required to meet all aspects of this act. Vendor will comply with all requirements of Sections 1012.32 and 1012.465, Florida Statutes, by certifying that the vendor and all of its employees who provide services under this contract have completed the background screening required by the referenced statutes and meet the standards established by the statutes.** This certification will be provided to the school in advance of the vendor providing any services on campus while students are present. The vendor will bear the cost of acquiring the background screening required by Section 1012.32, F.S., and any fee imposed by the Florida Department of Law Enforcement to maintain the fingerprints provided with respect to vendor and its employees. The vendor will follow the procedures for obtaining employee background screening as outlines on the Escambia County School District Website: <http://old.escambia.k12.fl.us/adminoff/finance/purchasing/>. Vendor will provide school a list of

its employees who have completed background screening as required by the referenced statutes and meet the statutory requirements. Vendor will update these lists in the event that any employee listed fails to meet the statutory standards or new employees who have completed the background check and meet standards are added. The parties agree that in the event that vendor fails to perform any of the duties described in this paragraph, this will constitute a material breach of the contract entitling school to terminate immediately with no further responsibility to make payment or perform any other duties under this contract. Vendor agrees to indemnify and hold harmless school, its officers and employees from any liability in the form of physical injury, death, or property damage resulting from vendor's failure to comply with the requirements of this paragraph or Sections 1012.32 and 1012.465, Florida Statutes.

- M. **PUBLIC ENTITY CRIMES:** A Bidder, person, or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Florida State Statute, Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.
- N. **PATENTS AND COPYRIGHTS:** Bidders agree to indemnify and save harmless the School District, its officers, employees, agents, or representatives using the goods specified herein from any loss, damage or injury arising out of a claim or suit at law or equity for actual or alleged infringement of letters of patent or copy write by reason of the buying, selling or using the goods supplied under this bid, and will assume the defense of any and all suits and will pay all costs and expenses thereto.
- O. **CONFLICT OF INTEREST:** The award hereunder is subject to the provisions of Chapter 112 Florida Statutes. All Bidders must disclose the name of any company owner, officer, director or agent who is an employee of the School District and/or is an employee of the School District and owns, directly or indirectly, an interest of five percent or more of the company.
- P. **TERMINATION: DEFAULT.** The School District may terminate all or any part of a subsequent award by giving notice of default to Bidder, if Bidder: (1) refuses or fails to deliver the goods or services within the time specified; (2) fails to comply with any of the provisions of this Bid or so fails to make progress as to endanger performances, hereunder, or; (3) becomes insolvent or subject to proceedings under any law relating to bankruptcy, insolvency, or relief of debtors. In the event of termination for default, the School District's liability will be limited to the payment for goods and services delivered and accepted as of the date of termination. **CONVENIENCE.** The School District may terminate for its convenience at any time, in whole or in part any subsequent award. In which event of termination for convenience, the School District's sole obligations will be to reimburse Bidder for (1) those goods or services actually shipped/performed and accepted up to the date of termination, and (2) costs incurred by Bidder for unfinished goods, which are specifically manufactured for the School District and which are not standard products of the Bidder, as of the date of termination, and a reasonable profit thereon. In no event is the School District responsible for loss of anticipated profit nor will reimbursement exceed the Bid value.
- Q. **DRUG-FREE WORKPLACE:** Whenever two or more Bids are equal with respect to price, quality, and service, a Bid received from a business that certifies that it has implemented a drug-free workplace program as defined by Section 287.087 Florida State Statutes, will be given preference in the award process.
- R. **PERFORMANCE:** In an effort to reduce the cost of doing business with the School District, and unless indicated elsewhere, no bid or performance bond is required. However, upon award and subsequent default by Bidder, the School District reserves the right to pursue any or all of the following remedies: (1) to accept the next lowest available bid price or to purchase materials or

services on the open market, and to charge the original awardees for the difference in cost via a deduction to any outstanding or future obligations; (2) the Bidder in default will be prohibited from activity for a period of time determined by the severity of the default, but not exceeding two years; (3) any other remedy available to the School District in tort or law.

- S. **AUDIT AND INSPECTION:** The District or its representative reserves the right to inspect and/or audit all the Bidder's documents and records as they pertain to the products and services delivered under this agreement. Such rights will be exercised with notice to the Bidder to determine compliance with and performance of the terms, conditions and specifications on all matters, rights and duties, and obligations established by this agreement. Documents/records in any form shall be open to the District's representative and may include but are not limited to all correspondence, ordering, payment, inspection and receiving records, and contracts or sub-contracts that directly or indirectly pertain to the transactions between the District and the Bidder.
- T. **SAMPLES AND BRAND NAMES: BRAND NAMES.** Specifications referencing specific brand names and models are used to reflect the kind and type of quality in materials and workmanship, and the corresponding level of performance the School District expects to receive as a minimum. Bidders offering equivalents or superior products to the brand/model referenced will: (1) reference on the Bid in the space provided the manufacturer's name, brand name, model and/or part number; (2) next to the price Bidder will indicate "ALT" to reflect an alternate offering; (3) where no sample is provided with the bid, Bidders will enclose sufficient technical specification sheets and literature to enable the School District to reach a preliminary evaluation; (4) the School District may request and Bidder agrees to submit a sample or to provide its product on-trial or demonstration, whichever the School District may deem appropriate, at no charge to the District; (5) the School District reserves the right to determine the acceptability of any alternatives offered. **SAMPLES:** Any sample requested by this bid or to be provided at the Bidder's option, should be forwarded under separate cover to the attention of the Purchasing Office of the School District. The package or envelope will reference the "Bid Number", "Bid Title", and "Bid Item Number" and clearly marked "Samples". All samples will be provided free of charge, including transportation charges. Bidders are responsible for notifying and making arrangements for pick up from the School District if a return of samples is expected. All samples of items not involved in any bid protest must be claimed no later than five (5) days after the award of the Bid by the School Board. All unclaimed samples will be disposed of at the discretion of the School District.
- U. **EVALUATION CRITERIA:** Primary factors used to decide the award hereunder will be price, quality, availability, and responsiveness. Other factors that may be used in the evaluation of this bid will be: (1) administrative costs incurred by the School District in association with the discharge of any subsequent award; (2) alternative payment terms; (3) Bidder's past performance. The School District reserves the right to evaluate by lot, by partial lot, or by item, and to accept or reject any bid in its entirety or in part, and to waive minor irregularities if the bid is otherwise valid. In the event of a price extension error, the unit price will be accepted as correct. The School District has sole discretion in determining testing and evaluation methods. The School District may consider in conjunction to any award hereunder, those products, services and, prices available to them through contracts from state, federal, and local government agencies or other school districts within the State of Florida.
- V. **CLARIFICATIONS AND INTERPRETATIONS:** The School District reserves the right to allow for clarification of questionable entries, and for the Bidder to withdraw items with obvious mistakes. Any questions concerning terms, conditions or specifications will be directed to the designated Purchasing Agent referenced on the Bidder's Acknowledgement. Any ambiguities or inconsistencies shall be brought to the attention of the designated Purchasing Agent in writing at least seven workdays prior to the opening date of the Bid. Failure to do so, on the part of the bidder will constitute an acceptance by the bidder of consequent decision. An addendum to the ITB shall be issued and posted for those interpretations that may affect the eventual outcome of this bid. It is the bidder's responsibility to assure the receipt of all addendum issued. No person is authorized to give oral interpretations of, or make oral changes to the Bid. Therefore oral

statements given before the bid opening date will not be binding. The School District will consider no interpretations binding unless provided for by issuance of an addendum. Addenda will be posted to the School District's Purchasing Website address at <http://old.escambia.k12.fl.us/adminoff/finance/purchasing/> at least five workdays prior to the opening date. The bidder shall acknowledge receipt of all addenda by signing and enclosing said addenda with their bid.

- W. **BID TABULATIONS, RECOMMENDATIONS, AND PROTEST:** Bid tabulations with award recommendations are posted for 72 hours in the Purchasing Office and are also posted to the School District's Purchasing Website address at <http://old.escambia.k12.fl.us/adminoff/finance/purchasing/>. Failure to file a protest within the time prescribed in Section 120.57(3) Florida Statutes, will constitute a waiver of proceedings under Chapter 120, Florida Statutes and School Board Rules. Bid tabulations, recommendations or notices will not be automatically mailed.
- X. **CONTACT:** All questions for additional information regarding this bid **must be directed to the designated Purchasing Agent noted on page one.** Prospective bidders shall not contact any member of the Escambia County School Board, Superintendent, or staff regarding this bid prior to posting of the final tabulation and award recommendation on the website and in the Purchasing Office. Any such contact shall be cause for rejection of your bid.
- Y. **BID PREPARATION COSTS:** Neither the School District nor its representatives shall be liable for any expenses incurred in connection with the preparation of a response to this bid.
- Z. **AGREEMENT FORM:** All subsequent agreements as a result of an award hereunder, shall incorporate all terms, conditions and specifications contained herein, and in response hereto, unless mutually amended in writing.

**III. SPECIAL CONDITIONS** These "SPECIAL CONDITIONS" are in addition to or supplement Section II GENERAL TERMS AND CONDITIONS. In the event of a conflict these SPECIAL CONDITIONS shall have precedence.

- A. **DELIVERY:** The successful bidder(s) shall be responsible for delivery/shipment of the products to Escambia County Transportation Garage, 100 E. Texar, Pensacola, FL 32503.
- B. **DELIVERY PENALTIES:** Accurate delivery dates are vital. Please list the latest possible date on the delivery date portion of the pricing section. **A penalty of 1% of the purchase will be charged for every day the vehicle is not received beginning on the first calendar day after the delivery date you indicated.** Your bid must indicate the number of days from issuance of purchase order to actual delivery of products to the school.
- C. **WRECKER TRAINING:** Successful vendor supplying the wrecker shall be responsible for providing a one day (8 hour) training session for District Garage Personnel in Pensacola, Florida to be conducted on a mutually agreed upon date, but no later than 30 calendar days after vehicle delivery. All expenses for this training, including travel and accommodations will be at the expense of successful vendor. No additional charges will be paid by the District other than the vehicle purchase price. Successful vendor will be provided the District Contact information for this training, upon award.

- D. **TRADE-IN WRECKER:** Trade in credit will be given for District Wrecker, a 1994 GMC TopKick; 34,700 GVWR, Vin # 1GDP7H1U9RJ522211, Allison Transmission, Cat 3126 Engine, 65,000 miles; ATTAC Wrecker Body with Underlift Model 1502HWLX. Bidders may contact the Purchasing Agent, Marguerite Van Nostrand ( [mvannostrand@escambia.k12.fl.us](mailto:mvannostrand@escambia.k12.fl.us) ) for pictures and to arrange to inspect the vehicle. We will be taking appointments to view this vehicle between December 13 and 16, 2010. Appointments must be made ahead of time. Inspection is not mandatory, but encouraged. Trade in credit and transfer to successful vendor will be final – no return and no warranty will apply.
- E. **WARRANTY REQUIREMENTS:** Full warranty information must be submitted with the bid and must meet or exceed the following minimum requirements.
1. **Tire Service Truck:**
    - a. Engine, Transmission – 5 year, 100,000 miles 100% parts and labor.
    - b. Chassis electrical (including switches, wiring and all vehicle computers and controllers) – 5 year 100,000 miles 100% parts and labor.
    - c. Tire body – 2 year 100% parts and labor.
    - d. Compressor and all Hydraulic Components – 2 year 100% parts and labor.
    - e. Lift Gate – 2 year 100% parts and labor.
  2. **Wrecker:**
    - a. Engine, Transmission – 5 year, 100,000 miles 100% parts and labor.
    - b. Chassis electrical (including switches, wiring and all vehicle computers and controllers) – 5 year 100,000 miles 100% parts and labor.
    - c. Body and Wrecker booms attachments and underlift – 2 year 100% parts and labor.
    - d. Wrecker hydraulic system – 5 year 100,000 miles 100% parts and labor.
- F. **QUESTIONS:** Questions on this bid should be addressed to the Purchasing Office of the Escambia County School District, Marguerite Van Nostrand by phone - (850) 469-6209 or email – [mvannostrand@escambia.k12.fl.us](mailto:mvannostrand@escambia.k12.fl.us).
- G. **DOCUMENTATION AND REQUIRED ENCLOSURES:** All documents listed below must be returned in their entirety. Failure to return all pages (entire document) or any of the items listed below may result in your proposal not being accepted.
1. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion. This form (located in the back section of document) must be signed and returned with the RFP.
  2. The entire RFP document (pages 1 – 34) must be returned when bidding. Signature on the first page must be an original signature – no fax or email documents will be accepted. In the event that the bidder makes an error on entering any information and enters a correction, the change(s) must be initialed. Any proposal submitted with strike over or white out corrections that are not initialed will be rejected as non-responsive.
  3. Complete product specification sheets, with product pictures and full warranty information must be included for all items you bid.
  4. If not currently doing business with the Escambia County School District, a business reference, preferably a School District must be submitted. See attached Form Number P-002, contained within this document.

**IV. JESSICA LUNSFORD ACT:** Vendor will comply with all requirements of Sections 1012.32 and 1012.465, Florida Statutes, by certifying that the vendor and all of its employees who provide services under this contract have completed the background screening required by the referenced statutes and meet the standards established by the statutes. This certification will be provided to the school in advance of the vendor providing any services on campus while students are present. **The vendor will bear the cost of acquiring the background screening required by Section 1012.32, F.S.,** and any fee imposed by the Florida Department of Law Enforcement to maintain the fingerprints provided with respect to vendor and its employees. The vendor will follow the procedures for obtaining employee background screening as outlined on the Escambia County School District Website: <http://old.escambia.k12.fl.us/adminoff/finance/purchasing/>. Vendor will provide school a list of its employees who have completed background screening as required by the referenced statutes and meet the statutory requirements. Vendor will update these lists in the event that any employee listed fails to meet the statutory standards or new employees who have completed the background check and meet standards are added. The parties agree that in the event that vendor fails to perform any of the duties described in this paragraph, this will constitute a material breach of the contract entitling school to terminate immediately with no further responsibility to make payment or perform any other duties under this contract. Vendor agrees to indemnify and hold harmless school, its officers and employees from any liability in the form of physical injury, death, or property damage resulting from vendor's failure to comply with the requirements of this paragraph or Sections 1012.32 and 1012.465, Florida Statutes.

**V. PRODUCT SPECIFICATIONS**

**A. TIRE SERVICE TRUCK:**

**CHASSIS:**

**2012 TERRASTAR SFA 4x2 (TA005)**

**APPLICATION:**

Stake Flat

**MISSION:**

Requested GVWR: 19500. Calc. GVWR: 19500 Calc.  
Start/Grade Ability: 44.30% / 4.94% @ 55 MPH Calc.  
Geared Speed: 75.2 MPH

**FUEL ECONOMY:**

8.38 MPG @ 55 MPH

**DIMENSION:**

Wheelbase: 183.00, CA: 108.60, Axle to Frame: 49.00

**ENGINE, DIESEL:**

{MaxxForce 7} EPA 10, 300 HP @ 2600 RPM, 660 lb-ft  
Torque @ 1600 RPM, 2800 RPM Governed Speed, 300 Peak  
HP (Max)

**TRANSMISSION, AUTOMATIC:**

{Allison 1000\_RDS} 4th Generation Controls; Close Ratio, 5-  
Speed, With Overdrive; Includes Park Pawl, With PTO  
Provision, Less Retarder, With 19,500-lb GVW & 26,000-lb  
GCW Max., on/ off hwy

**CLUTCH:**

Omit Item (Clutch & Control)

**AXLE, FRONT NON-DRIVING:**

{Dana Spicer D700-N} I-Beam Type, 7,000-lb Capacity

**AXLE, REAR, SINGLE:**

{Dana Spicer S110} Single Reduction, With Offset Housing;  
13,500-lb Capacity, 160 Wheel Ends Gear Ratio: 4.88

**CAB:**

Conventional

**TIRE, FRONT:**

(2) 225/70R19.5 R250F (BRIDGESTONE) 645 rev/mile, load  
range F, 12 ply

**TIRE, REAR:**

(4) 225/70R19.5 R250F (BRIDGESTONE) 645 rev/mile, load  
range F, 12 ply

**SUSPENSION, RR, SPRING, SINGLE:**

Vari-Rate; 13,500-lb Capacity

**PAINT:**

Cab schematic 100TA Location 1: 9219, Winter White (Std)

Chassis schematic N/A

<b>Code</b>	<b>Description</b>
TA00500	Base Chassis, Model TERRASTAR SFA 4x2 with 183.00 Wheelbase, 108.60 CA, and 49.00 Axle to Frame.
1570	TOW HOOK, FRONT (2) Frame Mounted
1CDN	FRAME RAILS High Strength Low Alloy Steel (80,000 PSI Yield); 7.375" x 3.079" x .312" (187.45mm x 78.2mm x 8.0mm) With Transition to 9.125" x 3.079" x .312" (231.8mm x 78.2mm x 8.0mm); Includes 1.2" (30mm) Drop Under Cab; 325.5" (8267.7mm) Maximum OAL Notes : Refer to WB/AF COMBINATIONS Chart in the Compatibility Charts section of the CT-400 Data Book and the Price List for compatible AF dimension.
1LRR	BUMPER, FRONT Full Width, Aerodynamic, Steel; 0.118" Material Thickness, Dark Gray Includes : BUMPER, FRONT Powder Coated Gray (Argent) Color
1SAL	CROSSMEMBER, REAR, AF (01)
1WEB	WHEELBASE RANGE 128" (325cm) Through and Including 183" (465cm)
2ADZ	AXLE, FRONT NON-DRIVING {Dana Spicer D700-N} I-Beam Type, 7,000-lb Capacity
3AGN	SUSPENSION, FRONT, SPRING Taper Leaf, Shackle Type; 7,000-lb Capacity; With Shock Absorbers Includes: SPRING PINS Rubber Bushings, Maintenance-Free
4087	BRAKE SYSTEM, HYDRAULIC {TRW 355} Split System, With Three Channel ABS Includes BRAKE LININGS, FRONT HX-73, Non-Asbestos BRAKE LININGS, REAR HX-73, Non-Asbestos
4GAX	BRAKE, PARKING {TRW} Drum-in-Hat Type; for Hydraulic Brake chassis; Activated by Lever in Cab; Mounted in Rear Wheels Includes: PARKING BRAKE CONTROL Lever, Floor Mounted, Located Right of Driver
4JNH	BRAKES, FRONT, HYDRAULIC DISC {TRW} 15.35" x 1.54" Rotors; Dual 2.36" (60mm) Diam. Pistons
4NNH	BRAKES, REAR, HYDRAULIC DISC {TRW} 15.35" x 1.54" Rotors; Dual 2.36" (60mm) Diam. Pistons
5710	STEERING COLUMN Tilting and Telescoping
5CAL	STEERING WHEEL 2-Spoke, 18" Diam., Black
5PSN	STEERING GEAR {Sheppard MD83} Power
7BDA	EXHAUST SYSTEM Single, Horizontal, After treatment Device Frame Mounted Right Side Back of Cab, Includes Horizontal Tail Pipe Includes : NOTE: The Horizontal Tailpipe Includes a Temperature Control Device

8000	<p>ELECTRICAL SYSTEM 12-Volt, Standard Equipment Includes</p> <ul style="list-style-type: none"> <li>: BATTERY BOX Steel</li> <li>: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab</li> <li>: FUSES, ELECTRICAL SAE Blade-Type</li> <li>: HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover</li> <li>: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever</li> <li>: HEADLIGHTS (2) Sealed Beam Halogen, 5" x 7" Rectangular, with Molded-In Argent Colored Bezels</li> <li>: HORN, ELECTRIC Single</li> <li>: JUMP START STUD Located on Positive Terminal of Outermost Battery</li> <li>: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light</li> <li>: STARTER SWITCH Electric, Key Operated</li> <li>: STOP, TURN, TAIL &amp; B/U LIGHTS Dual, Rear, Combination with Reflector</li> <li>: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature</li> <li>: TURN SIGNALS, FRONT Includes Reflectors and Solid State Flashers; Flush Mounted</li> <li>: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever</li> <li>: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted</li> <li>: WIRING, CHASSIS Color Coded and Continuously Numbered</li> </ul>
8518	CIGAR LIGHTER Includes Ash Cup
8718	POWER SOURCE Cigar Type Receptacle without Plug and Cord
8GWZ	ALTERNATOR {Leece-Neville 14923PAH} Brush Type; 12 Volt 220 Amp. Capacity, Pad Mounted, Includes 1-Gauge Protected Charging Circuit
8HAB	BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/Backup/Accessory Power/Ground and Sealed Stop/Turn
8MLM	BATTERY SYSTEM {International} Maintenance-Free (3) 12-Volt 2250CCA Total
8RKB	RADIO {Panasonic CQ120} AM/FM, Includes Multiple Speakers, Includes Auxiliary Input Includes: SPEAKERS IN CAB (2) Dual-Cone with Deluxe Interior: SPEAKERS IN CAB (4) Coaxial with Premium Interior
8THB	BACK-UP ALARM Electric, 102 dBA
8WBW	JUMP START STUD Remote Mounted
8WPP	ENGINE SHUTDOWN Automatic; With 30 Second Delay, With International Engines

8WWJ	INDICATOR, LOW COOLANT LEVEL With Audible Alarm
8WYD	STARTING MOTOR {Delco Remy 29MT} 12 Volt; Less Thermal Over-Crank Protection, With Integrated Magnetic Switch
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators Replaces All Fuses Except For 5-Amp Fuses
9HBZ	GRILLE Molded, Dark Gray Color
9WAY	FRONT END Tilting, Fiberglass, With Three Piece Construction Includes : HOOD TILT ASSIST Includes Torsion Bar Spring System
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
11001	CLUTCH Omit Item (Clutch & Control)
12NVE	ENGINE, DIESEL {MaxxFORCE 7} EPA 10, 300 HP @ 2600 RPM, 660 lb-ft Torque @ 1600 RPM, 2800 RPM Governed Speed, 300 Peak HP (Max) Includes: : AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated : CRUISE CONTROL Electronic; Controls Integral to Steering Wheel: ENGINE OIL DRAIN PLUG Magnetic : ENGINE SHUTDOWN Electric, Key Operated : FUEL FILTER Engine Mounted : FUEL HEATER Included with Fuel/Water Separator : FUEL/WATER SEPARATOR Engine Mounted : GLOW PLUG Automatic with Indicator Light : GOVERNOR Electronic : OIL FILTER, ENGINE Drop-In Cartridge Type
12TTB	FAN DRIVE {Borg-Warner Series 790} Viscous Type, Screw On Includes : FAN Nylon
12UBU	RADIATOR Aluminum; 2-Row, Cross Flow, Side-by-Side System, 697 SqIn Louvered, With 225 SqIn CAC, With In-Tank Oil Cooler Includes : ANTI-FREEZE Red Shell Rotella Extended Life Coolant; -40 Degrees F/ -40 Degrees C; for MaxxFORCE Engines : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber
12VBR	AIR CLEANER With Service Protection Element Includes : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted
12VXT	THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

12VZA	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for MaxxFoer post 2007 Emissions Electronic Engines
12VZD	FEDERAL EMISSIONS for 2010; MaxxFoer 7 Engines
12WTA	FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted
12WZE	EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Regulations
13AKX	TRANSMISSION, AUTOMATIC {Allison 1000_RDS} 4th Generation Controls; Close Ratio, 5-Speed, With Overdrive; Includes Park Pawl, With PTO Provision, Less Retarder, With 19,500-lb GVW & 26,000-lb GCW Max., on/off hwy Includes : OIL FILTER, TRANSMISSION Mounted on Transmission : TRANSMISSION OIL PAN Magnet in Oil Pan
13WLN	TRANSMISSION OIL Synthetic; 20 thru 28 Pints
13WYK	SHIFT CONTROL PARAMETERS Allison Load Based Shift Schedules (LBSS)
13XAA	PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring
14ACN	AXLE, REAR, SINGLE {Dana Spicer S110} Single Reduction, With Offset Housing; 13,500-lb Capacity, 160 Wheel Ends . Gear Ratio: 4.88 Includes : REAR AXLE DRAIN PLUG (1) Magnetic, For Single Rear Axle
14SAC	SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 13,500-lb Capacity
15SSW	FUEL TANK Top Draw; Rectangular, Steel; 40 U.S. Gal., 151 L Capacity, 15" Depth, Includes Fuel Filler Assembly and Vent Hosing, Mounted Between Frame Side members and Behind Rear Axle
16030	CAB Conventional Includes : ARM REST (2) Molded Plastic; One Each Door : CLEARANCE/MARKER LIGHTS (5) Flush Mounted : COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window : CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel : DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted : GLASS, ALL WINDOWS Tinted : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side : GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side

	: INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color : STEP (2) One Per Door
16HBA	GAUGE CLUSTER English With English Electronic Speedometer Includes : GAUGE CLUSTER (5) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter: ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout: WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)
16HGH 16HKT	GAUGE, OIL TEMP, ALLISON TRAN IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16JHR	SEAT, DRIVER {National 2000} Self Contained with Compressor, Mid Back, Vinyl, Less Isolator, Less Lumbar, 2 Position Front Cushion Adjust, Adjust, -3 to +14 Degree Seat Back Adjust Includes : SEAT BELT 3-Point, Lap and Shoulder Belt Type
16PJK	SEAT, TWO-MAN PASSENGER {Gra-Mag} Vinyl, Less Under Seat Storage Compartment Includes : SEAT BELT (2) One 3-Point Shoulder Belt and One 2-Point Lap Belt (Center Position)
16SDJ	MIRRORS (2) {Lang Mekra} Rectangular, 7.44" x 14.84" & 7.44" sq. Convex Both Sides, 102" Inside Spacing, Breakaway Type, Black Heads, Brackets & Arms
16WCT	AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster Includes : CLAMPS, HEATER HOSE Mubea Constant Tension Clamps : HEATER HOSES Premium : REFRIGERANT Hydrofluorocarbon HFC-134A
16WJS 16WRX	INSTRUMENT PANEL Center Section, Flat Panel CAB INTERIOR TRIM Deluxe Includes : "A" PILLAR COVER Molded Plastic : CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering : CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket : DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors

- : FLOOR COVERING Rubber, Black
- : HEADLINER Soft Padded Cloth
- : INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section
- : STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door
- : SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console

27DAU

WHEELS, FRONT DISC; 19.5" Painted Steel, 10-Stud (225mm BC) Hub-Piloted, Flanged Nut, Metric Mount, 6.00 DC Rims; With Steel Hubs  
Includes  
: PAINT IDENTITY, FRONT WHEELS White  
: WHEEL SEALS, FRONT Grease Lubricated, Includes Wheel Bearings

28DAU

WHEELS, REAR DISC; 19.5" Painted Steel, 10-Stud (225mm BC) Hub-Piloted, Flanged Nut, Metric Mount, 6.00 DC Rims; With Steel Hubs  
Includes  
: WHEEL SEALS, REAR Oil Lubricated, Includes Wheel Bearings  
7709449047 (2) TIRE, FRONT 225/70R19.5 R250F (BRIDGESTONE) 645 rev/mile, load range F, 12 ply  
7709449047 (4) TIRE, REAR 225/70R19.5 R250F (BRIDGESTONE) 645 rev/mile, load range F, 12 pl

**BODY:**

- 1 13' alum. body, rack sides, 13'L, 43"H, 84"CA DRW, (2) front vert. compts. 64"H x 22"D x 26"W w/ 19"H x 22"D x 28"W box ext. , LR & RR UBTBs 19"H x 38"W x 22"D, light kit, 3/8" & 1/2" hose reels, filter/reg., 2 skirt mtd. lights RS/LS, with dual fuel fills for chassis with 19.5 & smaller tires
- 1 Paint body white
- 1 Body mounting kit w/o jack box (Ford)
- 1 Two bar truck tire safety inflation cage
- 1 Inflation cage holder (body deck mount)
- 1 15-pin socket rack - RF
- 1 Dri deck mat kit for compartment
- 1 Lid for air compressor on 13' body
- 1 Drawer set, 8"H x 18"W x 18"D, 2-3" (hanging) - RF UNDER SHELckage includes (4) 5" W trays & (6) 3 1/2" W trays for LF or RF vertical compartment. - RF
- 1 Aluminum folding step – RR

**AIR SYSTEM:**

- 1 Direct hydraulic-driven air-cooled compressor produces 46 CFM @ 175 PSI. 4-cyl., 2-stage industrial compressor (Champion R030C-UH) with base, motor, fan, cooler, fittings, filter, 15 gal. hyd. reservoir (TOP MOUNT) with 20 gal. air tank mounted under compressor
- 1 Service kit for compressor
- 1 PTO for automatic transmission for IH TerraStar and C4500/C5500
- 1 Hydraulic system w/pump - one function
- 1 Program speed control for IH DT466/444 and MaxxForce7 engines

#### LOADGATE:

- 1 1600# hydraulic lift gate, 86" wide, 50" travel, dual-lift cylinders, recessed lights, grip strut zinc plated platform, painted black
- 1 Folding side rail and tire stop for lift gate

#### LIGHTING:

- 6 Compartment light, rubber grommet mounted - LR, LCF, RR, RCF, LF, RF
- 3 Halogen floodlight 3.5"x4" - RF, RR, LR
- 1 Amber strobe light - LF
- 1 Amber strobe light package includes (2) LED lights. Rubber grommet mounted in rear corner post of body.
- 1 12V trouble light with reel –RF

#### MISC. EQUIPMENT:

- 1 Backup alarm, electric
- 1 ICC safety kit consisting of fire extinguisher and reflector kit

**B. WRECKER:**

**CHASSIS:**

**2011 7400 SBA 6X4 (SF625)**

**APPLICATION:**

**MISSION:**

**DIMENSION:**

**ENGINE, DIESEL:**

**TRANSMISSION, AUTOMATIC:**

**CLUTCH:**

**AXLE, FRONT NON-DRIVING:**

**AXLE, REAR, TANDEM:**

**CAB:**

**TIRE, FRONT:**

**TIRE, REAR:**

**SUSPENSION, REAR, AIR, TANDEM:**

**FRAME REINFORCEMENT:**

**PAINT:**

Wrecker-Hook (Recovery)

Requested GVWR: 52000. Calc. GVWR: 52000 Calc. Start / Grade Ability: 20.50% / 2.36% @ 55 MPH Calc. Geared Speed: 66.4 MPH FUEL ECONOMY: N/A

Wheelbase: 224.00, CA: 156.90, Axle to Frame: 96.00

{MaxxForce 9} EPA 10, 330 HP @ 2000 RPM, 950 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed

{Allison 3000\_RDS\_P} 4th Generation Controls; Close Ratio, 5-Speed, With Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max.

Omit Item (Clutch & Control)

{Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-lb Capacity

{Meritor RT-40-145} Single Reduction 40,000-lb Capacity 200 Wheel Ends Gear Ratio: 5.29

Conventional

(2) 11R22.5 XZE2 (MICHELIN) 501 rev/mile, load range G, 14 ply

(8) 11R22.5 XZE2 (MICHELIN) 501 rev/mile, load range G, 14 ply

{International} Ride Optimized Suspension (IROS) Heavy Duty; 52" Axle Spacing; 40,000-lb Capacity, 9.25" Ride Height, Includes Heavy Duty Spring Hangers, Crossmembers and Fasteners, With Shock Absorbers

Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312"; (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL

Cab schematic 100GN Location 1: 9219, Winter White (Std) Chassis schematic N/A

**Code**

SF62500

**Description**

Base Chassis, Model 7400 SBA 6X4 with 224.00 Wheelbase, 156.90 CA, and 96.00 Axle o Frame.

1570

TOW HOOK, FRONT (2) Frame Mounted

1CBU

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL

1GBP

FRAME REINFORCEMENT Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312"; (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL

1LLA

BUMPER, FRONT Steel, Swept Back Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

1WGY	WHEELBASE RANGE 221" (560cm) Through and Including 262" (665cm)
1WTU	FRAME ADDITION, FRONT 1" Integral; Increases BBC, BA and OAL Vehicle Dimensions By 1"
2ARW	AXLE, FRONT NON-DRIVING {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-lb Capacity
3ADC	SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-lb Capacity; With Shock Absorbers Includes : SPRING PINS Rubber Bushings, Maintenance-Free
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications Includes : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : DUST SHIELDS, FRONT BRAKE : DUST SHIELDS, REAR BRAKE : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SLACK ADJUSTERS, FRONT Automatic : SLACK ADJUSTERS, REAR Automatic : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4
4732	DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank Includes : DRAIN VALVE Mounted in Wet Tank 4AZA AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel) 4EBS AIR DRYER {Bendix AD-9} With Heater Includes : AIR DRYER LOCATION Inside Left Rail, Back of Cab
4ESX 4EVH	BRAKE CHAMBERS, FRONT AXLE {Haldex} 20 SqIn BRAKE CHAMBERS, REAR AXLE {MGM TR3030LP3TSHD} 30/30 Spring Brake Includes : BRAKE CHAMBERS, SPRING (2) Rear Parking; WITH TRUCK BRAKES: All 4x2, 4x4; WITH TRACTOR BRAKES: All 4x2, 4x4; 6x4 & 6x6 with Rear Tandem Axles Less Than 46,000-lb. or GVWR Less Than 54,000-lb. : BRAKE CHAMBERS, SPRING (4) Rear Parking; WITH TRUCK BRAKES: All 6x4, 6x6; WITH TRACTOR BRAKES: 6x4 & 6x6 with Rear Tandem Axles 46,000-lb. or Greater or GVWR of 54,000-lb. or Greater

4JCJ	BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers
4NDB	BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake
4SBC	AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity
5708	STEERING COLUMN Tilting
5CAL	STEERING WHEEL 2-Spoke, 18" Diam., Black
5PSA	STEERING GEAR {Sheppard M-100} Power
7BEJ	EXHAUST SYSTEM Single, Horizontal, Aftertreatment Device Frame Mounted Outside Right Rail Under Cab;Includes Vertical Tail Pipe and Guard Includes : EXHAUST HEIGHT 10' Exhaust Height - Based on Empty Chassis with Standard Components (+ or - 1" Height) : MUFFLER/TAIL PIPE GUARD Non-Bright Finish
7WBA	TAIL PIPE (1) Turnback Type, Bright, for Single Exhaust
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment Includes : BATTERY BOX Steel with Plastic Lid : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab : FUSES, ELECTRICAL SAE Blade-Type : HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever : HEADLIGHTS (2) Sealed Beam, Round, with Chrome Plated Bezels : HORN, ELECTRIC Single : JUMP START STUD Located on Positive Terminal of Outermost Battery : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light : RUNNING LIGHT (2) Daytime, Included With Headlights : STARTER SWITCH Electric, Key Operated : STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector : TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature : TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever : WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted : WIRING, CHASSIS Color Coded and Continuously Numbered

8518	CIGAR LIGHTER Includes Ash Cup
8718	POWER SOURCE Cigar Type Receptacle without Plug and Cord
8GWY	ALTERNATOR {Leece-Neville 14931PAH} Brush Type, 12 Volt 320 Amp. Capacity, Pad Mounted
8HAB	BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame;Includes Sealed Connectors for Tail/Amber Turn/Marker/Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn
8MKX	BATTERY SYSTEM {International} Maintenance-Free (3) 12-Volt 2775CCA Total
8RKB RADIO	{Panasonic CQ120} AM/FM, Includes Multiple Speakers, Includes Auxiliary Input Includes : SPEAKERS IN CAB (2) Dual-Cone with Deluxe Interior : SPEAKERS IN CAB (4) Coaxial with Premium Interior
8THB	BACK-UP ALARM Electric, 102 dBA
8VZR	SWITCH, BODY CIRCUITS, MID ; for Bodybuilder, 6 Switches in Instrument Panel; One Power Module with 6 Channels, 20 Amp Max. Per Channel, 80 Amp Max Output, Switches Control Power Module Through Multiplex Wiring, Mounted in Cab Behind Driver Seat
8WBW	JUMP START STUD Remote Mounted Includes : JUMP START STUD Mounted to Battery Box
8WCL	HORN, AIR Black, Single Trumpet, Air Solenoid Operated
8WPP	ENGINE SHUTDOWN Automatic; With 30 Second Delay, With International Engines
8WTK	STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection
8WWJ	INDICATOR, LOW COOLANT LEVEL With Audible Alarm
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
9HBM	GRILLE Stationary, Chrome
9WBC	FRONT END Tilting, Fiberglass, With Three Piece Construction; for 2007 Emissions
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100 Includes : PAINT SCHEMATIC ID LETTERS "GN"

10761 11001 12712 12NUW	<p>PAINT TYPE Base Coat/Clear Coat, 1-2 Tone          CLUTCH Omit Item (Clutch &amp; Control)          OIL FILTER, ENGINE {Hudgins Model 960 Spinner}          ENGINE, DIESEL {MaxxFORCE 9} EPA 10, 330 HP @ 2000          RPM, 950 lb-ft Torque @ 1200 RPM, 2200 RPM          Governed Speed          Includes          : AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated          : COLD STARTING EQUIPMENT Intake Manifold Electric Grid          Heater with Engine ECM Control          : CRUISE CONTROL Electronic; Controls Integral to Steering          Wheel          : ENGINE OIL DRAIN PLUG Magnetic          : ENGINE SHUTDOWN Electric, Key Operated          : FUEL FILTER Included with Fuel/Water Separator          : FUEL/WATER SEPARATOR Fuel/Water Separator and Fuel          Filter in a Single Assembly; With Water-in-Fuel Sensor; Engine          Mounted          : GOVERNOR Electronic          : OIL FILTER, ENGINE Spin-On Type          : WET TYPE CYLINDER SLEEVES</p>
12TSY	<p>FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On          Includes          : FAN Nylon</p>
12UBG	<p>RADIATOR Aluminum, Front to Back Cross Flow, Series          System; 1588 SqIn Core and 885 SqIn Charge Air Cooler and          470 SqIn Low Temperature Radiator Down Flow, Includes          Transmission Oil Cooler          Includes          : ANTI-FREEZE Red Shell Rotella Extended Life Coolant; -40          Degrees F/ -40 Degrees C; for MaxxFORCE Engines          : DEAERATION SYSTEM with Surge Tank          : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band          Type; Thermoplastic Coolant Hose Clamps          : RADIATOR HOSES Premium, Rubber</p>
12UXE 12VBC	<p>FEDERAL EMISSIONS for 2010; MaxxFORCE 9 &amp; 10 Engines          AIR CLEANER Single Element          Includes          : GAUGE, AIR CLEANER RESTRICTION Air Cleaner          Mounted</p>

12VXT	THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
12VZA	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for MaxxFace post 2007 Emissions Electronic Engines
12WZE	EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Regulations
13ALZ	TRANSMISSION, AUTOMATIC {Allison 3000_RDS_P} 4th Generation Controls; Close Ratio, 5-Speed, With Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max. Includes : OIL FILTER, TRANSMISSION Mounted on Transmission : TRANSMISSION OIL PAN Magnet in Oil Pan
13WBL	TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints
13WUC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction
13WYJ	SHIFT CONTROL PARAMETERS Allison Economy Programming in Primary and Allison Performance Programming in Secondary
13XAA	PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring
14899	SUSPENSION AIR CONTROL VALVE Pressure Release Control In Cab
14GRB	AXLE, REAR, TANDEM {Meritor RT-40-145} Single Reduction 40,000-lb Capacity 200 Wheel Ends .Gear Ratio: 5.29 Includes : POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light : REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem Rear Axle
14UNU	SUSPENSION, REAR, AIR, TANDEM {International} Ride Optimized Suspension (IROS) Heavy Duty; 52" Axle Spacing; 40,000-lb Capacity, 9.25" Ride Height, Includes Heavy Duty Spring Hangers, Crossmembers and Fasteners, With Shock Absorbers Includes : CROSSMEMBER, SUSPENSION 3-Piece with Steel C-Channel and Cast Iron Ends

15SGG	FUEL TANK Top Draw; D Style, Non Polished Aluminum, 19" Deep, 70 U.S. Gal., 265 L Capacity, With Quick Connect Outlet, Mounted Left Side, Under Cab
16030	<p>CAB Conventional</p> <p>Includes</p> <ul style="list-style-type: none"> <li>: ARM REST (2) Molded Plastic; One Each Door</li> <li>: CLEARANCE/MARKER LIGHTS (5) Flush Mounted</li> <li>: COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window</li> <li>: CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel</li> <li>: DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted</li> <li>: GLASS, ALL WINDOWS Tinted</li> <li>: GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side</li> <li>: GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side</li> <li>: INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color</li> <li>: STEP (4) Two Steps Per Door</li> </ul>
16HBA	<p>GAUGE CLUSTER English With English Electronic Speedometer</p> <p>Includes</p> <ul style="list-style-type: none"> <li>: GAUGE CLUSTER (6) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter, Washer Fluid Level</li> <li>: ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout</li> <li>: WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)</li> </ul>
16HGH	GAUGE, OIL TEMP, ALLISON TRAN
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16JNT	<p>SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust</p> <p>Includes</p> <ul style="list-style-type: none"> <li>: SEAT BELT 3-Point, Lap and Shoulder Belt Type</li> </ul>
16PJW	<p>SEAT, TWO-MAN PASSENGER {National} Mid Back, Fixed Back, Vinyl, With Under Seat Storage</p> <p>Includes</p> <ul style="list-style-type: none"> <li>: SEAT BELT (2) One 3-Point Shoulder Belt and One 2-Point Lap Belt (Center Position)</li> </ul>

16SDJ MIRRORS (2) {Lang Mekra} Rectangular, 7.44" x 14.84" & 7.44" sq. Convex Both Sides, 102" Inside Spacing, Breakaway Type, Black Heads, Brackets & Arms

16VHX CAB MOUNTING HEIGHT EFFECTS High Cab in Lieu of Mid High Cab Mounting (Approx. 4.5")

16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster  
Includes  
: CLAMPS, HEATER HOSE Mubea Constant Tension Clamps  
: HEATER HOSES Premium  
: REFRIGERANT Hydrofluorocarbon HFC-134A

16WJS INSTRUMENT PANEL Center Section, Flat Panel  
16WKY HVAC FRESH AIR FILTER  
16WRX CAB INTERIOR TRIM Deluxe  
Includes  
: "A" PILLAR COVER Molded Plastic  
: CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering  
: CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket  
: DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors  
: FLOOR COVERING Rubber, Black  
: HEADLINER Soft Padded Cloth  
: INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section  
: STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door  
: SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console

16WSK CAB REAR SUSPENSION Air Bag Type  
16WSL MIRROR, CONVEX, HOOD MOUNTED (2) {Lang Mekra} for Left and Right Sides 7.44" Sq.

27DMA WHEELS, FRONT DISC; 22.5" Painted Steel, 2 Hand Hole, 10 Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs  
Includes  
: PAINT IDENTITY, FRONT WHEELS White  
: WHEEL SEALS, FRONT Oil Lubricated, Includes Wheel Bearings  
Notes  
: Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22.5

28DMA	<p>WHEELS, REAR DUAL DISC; 22.5" Painted Steel, 2 Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs</p> <p>Includes</p> <p>: PAINT IDENTITY, REAR WHEELS White</p> <p>: WHEEL SEALS, REAR Oil Lubricated, Includes Wheel Bearings</p> <p>Notes</p> <p>: Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22,5</p>
29WLA	<p>WHEEL BEARING, FRONT, LUBE {EmGard 50W} Synthetic Oil</p> <p>7472133269 (2) TIRE, FRONT 11R22.5 XZE2 (MICHELIN) 501 rev/mile, load range G, 14 ply</p> <p>7472133269 (8) TIRE, REAR 11R22.5 XZE2 (MICHELIN) 501 rev/mile, load range G, 14 ply</p>

**Services Section:**

40BKH	<p>SERVICES, TOWING To 60-Month/150,000 Miles (240,000 km), 5400 Hours; Service Call to the Vehicle or Towing to the Nearest International Dealership for a Non-Drivable Unit in Conjunction with an International Warrantable Failure; \$250 (USA) Maximum Benefit per Incident</p>
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**Wrecker Body**

**GENERAL DESCRIPTION**

The wrecker shall consist of a recovery boom with integrated underlift, modular type body, and a subframe for mounting to chassis.

- 1.1 The wrecker shall have a two stage recovery boom with dual hydraulic variable speed planetary gear winches. The two stage boom shall be hydraulically powered for rising, lowering, extending and retracting under load.
- 1.2 The winches shall be hydraulically powered for winding the winch cable in and out under load.
- 1.3 The integrated underlift shall be capable of lifting and securing a medium to heavy duty truck or bus by the axle, bumper, frame or springs, and shall transport said vehicle safely and damage free. The underlift shall have a lifting arm, cross bar and a set of lifting forks. The lift arm shall be hydraulically powered for raising and lowering by using the recovery boom up and down controls and also be able to tilt up and down by means of hydraulic tilt controls. The three stage lifting arm shall be hydraulically powered for extending and retracting under load. The lifting arm shall also have the capability of being hydraulically folded into a stowed position when not in use and not interfere with the operation of recovery boom. The lifting arm shall be equipped with a pivoting crossbar and a set of lifting attachments.
- 1.4 Modular type wrecker body assembly shall be a heavy duty design consisting of two major components: a driver's side tool compartment and passenger side tool compartment. Tool compartments shall have ample room for storing equipment used in recovery and towing operation. All compartment interiors will be illuminated.
- 1.5 The wrecker subframe shall be designed to provide a means of mounting the recovery boom with integrated underlift to the truck chassis. It will also accept the mounting of the modular type bodies. Rear hydraulic spades shall be an integral part of the rear tailgate portion of the subframe.

- 1.6 The rear spades shall be hydraulically powered for extending and retracting to assist in stabilizing the wrecker in recovery operations. They may be operated independent of each other and all other wrecker functions.
- 1.7 Hydraulic power shall be provided by means of hydraulic pumps mounted directly to a 2 "Power Take-Off" attachment, and shall be driven by the truck engine.
- 1.8 A control shall be provided in the cab of the truck for engaging and disengaging the "Power Take-Off" attachment. This control shall be available for either manual air or electric over air operation.
- 1.9 Controls for operating hydraulic functions will be enclosed in the rear most driver's side tool compartment. A group of passenger side recovery boom controls shall be located in rear most compartment.
- 1.10 A remote control lanyard for operating the underlift shall be provided in the rear most passenger side tool compartment. The lanyard control shall be equipped with a 20' electrical cable.
- 1.11 Lubrication fittings shall be provided where required to assure positive lubrication, except where self-lubricated journals may be used.
- 1.12 Workmanship shall be consistent with first class manufacturing practice. Manufacturing shall be performed in a manner that ensures interchangeability of all parts and subassemblies.
- 1.13 Two snatch blocks, suitable for use with the winch cables shall be furnished when required.

## **2.0 GENERAL REQUIREMENTS**

- 2.1 The recovery boom shall consist of four major components: Outer boom, inner boom, and two "Thru Center" side by side boom end swivels. The boom section shall be fabricated from high strength carbon steel plate to form a rectangle. The outer and inner boom shall have provisions for attachment of a double acting cylinder used for extending and retracting the inner recovery boom. The inner boom shall also have provisions for attachment of two "Thru Center" side by side boom end swivels. The "Thru Center" boom end swivels shall incorporate bronze bushed sheaves, cable guides and allow for degree sheave rotation, permitting pulls to be made in any direction, even 360 degree forward pulls over cab by raising boom slightly. The wrecker/boom shall also have provisions for installation of underlift device. Two double acting cylinders shall connect the recovery boom to the subframe to be used to raise and lower said boom and integrated underlift. All hydraulic hoses shall be routed to provide maximum protection.
- 2.2 The recovery boom shall have dual variable speed planetary gear winches. The winches shall be hydraulically powered for winding the winch cables in and out under load. Winches shall have the capability of disengaging the cable drum "Air Free Spool" and cable tensioners to prevent "bird nesting" of winch cables.
- 2.3 The integrated underlift lifting arm assembly shall be installed onto the tilt tower at a pivot point for folding arm between storage and towing position. The underlift lifting arm assembly shall be raised and lowered by using the recovery boom controls both manual and remote. The tilt tower shall be installed onto the outer recovery boom at a pivot point for tilting the underlift arm assembly up and down by using the tilt controls both manual and remote.
- 2.4 The lifting arm shall consist of three major components: Outer lifting arm, intermediate lifting arm and inner lifting arm. The outer lifting arm shall be fabricated from high strength carbon steel fabricated section and welded to form a pivoting boom. The intermediate lifting arm shall be fabricated from high strength carbon steel and welded to form a free floating section. The inner lifting arm shall be fabricated from high strength carbon steel fabricated section. The outer lifting arm shall have provisions for attachment of hydraulic cylinders used to fold the lifting arm from stored to towing position, and extending and retracting the lifting arm. The inner lifting arm shall have provisions for attachment of hydraulic cylinders required to extend and retract inner lifting arm and provisions for attachment of cross bar. All hydraulic hoses shall be routed to provide maximum protection.

- 2.5 The crossbar assembly shall consist of two major components: cross bar and fork adapters. The crossbar shall be fabricated from high strength carbon steel components. The cross bar shall have provisions for attachment to the inner lifting arm and shall contain a spring loaded "Detent-Ball" and stop plate to prevent rotation when underlift is not in use. The fork adapters shall be manually extendable along the cross bar and shall be secure to the cross bar by means of a "T-handle Bolt" that can be locked or unlocked without the use of tools. The fork adapters shall also be prevented from coming off the cross bar by manually installing two separate retaining pins through the cross bar.
- 2.6 The lifting fork assembly shall consist of two major components: fork adapter and lifting forks. The forks shall be manually insertable into the forks adapter. As a standard, seven sets of chain, frame, axle lifting forks shall be provided in (2) short length 3" openings, (2) short length 4 1/2" opening, (2) medium length 3" opening, (2) medium length 4 1/2" opening, (2) long length 3" opening, (2) long length 4 1/2" opening, (2) offset rear axle forks, (2) pivoting spring lift forks, (2) 5/8" chain lift adapters and any other adaptors or chains necessary to lift all vehicles, ranging from compact car to 89 capacity school bus.
- 2.7 The modular type wrecker body assembly shall be 94" wide over compartments and 96" wide over rubber fenderettes. Note: the standard body will be for a minimum 156" cab to bogie tandem axle body. An optional cab to axle or cab to bogie tandem axle body is available upon request with an optional front tunnel tool box. Contact factory for other body and axle configurations available. Flexible rubber fenderettes shall be standard. The tool compartment assembly shall consist of one 101" wide x 54" high x 19 1/2" deep compartment and one 92" wide x 20" high x 19 1/2" deep rear compartment with a total of 82.3 cubic feet of storage per side. All compartment doors shall be held in its open position by means of a stop or spring loaded door check. Tool compartments shall be of welded construction using 3/16" thick aluminum components. Each door opening shall have a rain channel and dust seal around the perimeter of the opening. All tool compartment doors shall be secured by key-locking stainless steel latches. Recessed area for stop, turn, tail, back-up and clearance lights are provided in each tool compartment assembly. Each tool compartment shall be mounted to the wrecker subframe with four rubber mounts so tool box assemblies are completely isolated from deflection of chassis and wrecker structure. All tool compartment cavities shall have illuminator lights with all wiring run in flexible conduit. All wiring shall meet at a common junction box so many inline splices can be eliminated.
- 2.8 The wrecker subframe shall be one entity fabricated out of high strength carbon steel components welded into a single frame assembly with provisions for installation of a modular type wrecker body. It shall have provisions for mounting the recovery boom, hydraulic lift cylinder, and integrated underlift device. The subframe shall be capable of withstanding all imposed forces resulting from a rated load being applied to end of boom or underlift. The tailgate section of subframe shall incorporate the following: tie-back loops, safety chains, auxiliary air supply lines, 7 pin tow light connector and the outer spade tube structure. Tailgate shall be forwardly off-set to provide clearance when towing a vehicle.
- 2.9 The spade system shall be fabricated out of high strength carbon steel components. The spade system shall be an integral part of the wrecker subframe assembly. The spades shall be angled at 12° diagonally to obtain greater stability in recovery operations. Spades shall be fitted with multi-position spade feet that act as a pavement pad or a digger spade depending on their position. The spade system shall be capable of withstanding all imposed forces resulting from a rated load being applied to end of recovery boom.
- 2.10 Body mounting plates shall be so designed that drilling will be done only through the side of the truck frame in accordance with truck manufacturer's warranty.

- 2.11 Controls for the recovery boom, integrated underlift and spade functions shall be located in a control panel and enclosed in the rear most driver's side tool compartment. Controls for the recovery boom and spade functions shall also be provided in the rear most passenger side tool compartment. Control handles shall automatically return to their "Off" or neutral position when released. When handles are in neutral position, the hydraulic winches and all hydraulic cylinders shall automatically lock and hold their load, even when the "Power Take-Off" is disengaged or in the event of hydraulic malfunction. The operating speed of all hydraulic functions shall be controlled by the amount of handle movement. Controls are grouped by function to permit operation of two controls with one hand. Operation is finger-tip easy regardless of load. Control handles shall be connected to control valves by control cables. Provisions for proper adjustment of control handle positions shall be provided.
- 2.12 A remote control lanyard for operating the underlift shall be provided in the rear most passenger side tool compartment. The lanyard control shall be equipped with a 25' electrical cable.
- 2.13 A remote throttle control shall be provided on control panel. Throttle control shall be a "Vernier" type control with a push-button knob for quick adjustment and fast shutdown.
- 2.14 Hydraulic pressure gauges (two) shall be located in control panel, next to wrecker control. Each pressure gauge shall sense hydraulic system pressure on each hydraulic pump section. Both pressure gauges must be glycerin filled.

### 3.0 DETAILED SPECIFICATIONS (recovery boom):

Basic Recovery Boom.....	25 Tons (50,000 lbs)
Boom Structural Rating:	
Retracted w/boom @ 30 degree elevation (TEMA).....	25Tons (50,000 lbs)
Extended w/boom @ 30 degree elevation (TEMA).....	8 Tons (16,000 lbs)
Boom Maximum Elevation.....	39
Boom Reach Past Tailgate:	
Retracted & Horizontal.....	4"
Extended & Horizontal.....	112"
Boom Maximum Working Height:	
Extended w/boom @ 39 degree elevation above horizontal.....	210"
Two Elevation Cylinders:	
Bore.....	5.5"
Rod Diameter.....	2.75"
Stroke.....	43.5"
Extension Cylinder:	
Bore.....	4"
Rod Diameter.....	2.5"
Stroke.....	120"
Two Spade Cylinders:	
Bore.....	2.5"
Rod Diameter.....	1.5"
Stroke.....	23.5"
Winch:	
Capacity.....	25,000 lbs.
Type.....	Planetary Gear
Gear Ratio.....	40.96:1
Drum Diameter.....	6.12"
Drum Length.....	15"
Flange Diameter.....	14.69"
Provisions for Free Spooling.....	Air Kick-Out
Brake.....	Hydraulic Disc Brake

Line Speed (Brake Drum)..... 16.8'/Min @ 12 GPM  
 Winch Motor:  
 Type..... Low Speed - High Torque  
 Displacement..... 6.2 Cubic Inches  
 Winch Cable:  
 Type..... 6 x 37 IWRC, XIPS  
 Diameter..... 5/8"  
 Length..... 200'  
 Working Limit..... 11,600 Lbs.  
 Minimum Breaking Limit..... 41,200 Lbs.

**DETAILED SPECIFICATIONS (Underlift):**

Lift Rating:  
 Retracted.....35,000 Lbs.  
 Extended.....16,000 Lbs.  
 Tow Rating..... 80,000 Lbs.  
 Tilting Arc..... Positive/10 degrees Negative/10 degrees  
 Lifting Arm Reach Past Tailgate:  
 Fully Retracted Distance From Tailgate  
 To Center of Lift Fork..... 51"  
 Fully Extended Distance From Tailgate  
 To Center of Lift Fork..... 113"  
 Crossbar Width..... 45"  
 Extension Cylinder:  
 Bore (Piggyback)..... 3.25"/3"  
 Rod Diameter..... 1.75"  
 Stroke..... 52"  
 Fold Cylinder:  
 Bore ..... 3.5"  
 Rod Diameter..... 1.5"  
 Stroke..... 8.25"  
 Tilting Cylinder:  
 Bore ..... 5"  
 Rod Diameter..... 2"  
 Stroke..... 6"

**DETAILED SPECIFICATIONS (Hydraulic System):**

Maximum System Pressure.....	3,000 PSI
System Protection.....	Relief Valve
Safety Provisions for Holding Load.....	Counterbalance Valve, Hydraulic Disc Brake
Hydraulic Fluid.....	Texaco Rando HD46 or Equal
Hydraulic Pump:	
Type.....	Tandem Gear
Capacity.....	13 GPM @1,000 RPM
Each Section	
Displacement.....	2.96 Cu. In. Per Revolution
Control Valve:	
Capacity.....	20 GPM
Number of Spools.....	(1) 4 Spool/(1) 5 Spool
Spool Type.....	Metering, Spring Return to Neutral
Hoses:	
High Pressure.....	3,000 PSI Working Pressure
Return.....	1,250 PSI Working Pressure
Suction.....	SAE 100 R4
Reservoir:	
Capacity.....	45 Gallons
System Capacity (Approx.).....	60 Gallons
Hydraulic Filtering System.....	(2) Return Line 10 micron Filters

**VI. PRICING.** Pricing is all inclusive: vehicle cost, tax, title, tag, and delivery to School District Transportation Garage. Number of days from purchase order issuance to delivery to District will be considered in evaluating the bid. Bids with a delivery date of over 90 days may be rejected.

APPROVED BRANDS: Tire Service Truck Chassis – International  
 Wrecker Chassis – International; Wrecker Body – Century or Vulcan

Item No.	Quantity	Description	
<b>1</b>	<b>1</b>	<b>Tire Service Truck</b>	<b>Price:</b>
		Lead time in days for Tire Service Truck Delivery	<b>Days:</b>

List Truck and Chassis Make and Model: \_\_\_\_\_

Comments: \_\_\_\_\_

Item No.	Quantity	Description	
<b>2</b>	<b>1</b>	<b>Wrecker</b>	<b>Price:</b>
		<b>LESS TRADE IN ALLOWANCE</b>	(                    )
		<b>TOTAL COST AFTER TRADE IN</b>	
		Lead time in days for Wrecker Delivery	<b>Days:</b>

List Wrecker and components Make and Models: \_\_\_\_\_

Comments: \_\_\_\_\_

**VEHICLES BID MUST MATCH BID SPECIFICATIONS.** Bidders must submit documentation with full disclosure of any deviation in vehicle specifications. If your product does not meet these specifications exactly, please note that in the comments section above. Failure to provide documentation for product deviations may result in your bid not being accepted.

In order to confirm purchase order date, the purchase order will be emailed or faxed to the vendor. Vendor will verify receipt by email or by fax. Please provide email and fax numbers below. (Email will always be used if available):

Email Address: \_\_\_\_\_

Fax Number: \_\_\_\_\_

## DRUG FREE WORKPLACE

- (a) Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids, which are equal with respect to price, quality, and service, are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process.

Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

- 1) Publish a statement notifying employees that the unlawful manufacture distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
  - 2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
  - 3) Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
  - 4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employees will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
  - 5) Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
  - 6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.
- (b) As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Vendor's Signature \_\_\_\_\_

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

This certification is required by the Department of Education regulations implementing Executive Order 12549, Debarment and Suspension, 34 CFR Part 85, for all lower tier transactions meeting the threshold and tier requirements stated at Section 85.110.

**Instructions for Certification**

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.
2. 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 department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the person to whom this proposal is submitted 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.
4. The terms “covered transaction,” “debarred,” “suspended,” “ineligible,” “lower tier covered transaction,” “participant,” “person,” “primary covered transaction,” “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. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
5. 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 by the department or agency with which this transaction originated

6. 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 Transactions,” without modification of all lower tier covered transactions and all solicitations for lower tier covered transactions.
7. 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.
8. Nothing contained in the foregoing shall be construed to require establishment of a 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.
9. Except for transactions authorized under paragraph 5 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 other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

**ertification**

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

NAME OF APPLICANT	AWARD NUMBER AND/OR PROJECT NAME
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE	
SIGNATURE	DATE

FORM P-002  
Reference Release Form

I \_\_\_\_\_ being of \_\_\_\_\_  
 (Name/ Title) (Name Of Company)  
 give Escambia County School District, Florida authorization to check our company's previous performance.

Authorizing Signature: \_\_\_\_\_

REFERENCE							
COMPANY NAME:							
COMPANY ADDRESS:							
CONTACT PERSON:							
PHONE NUMBER:				FAX NUMBER:			
<b>*STOP*</b>							
<b>Section 1.02 Remaining to be completed by the ECSD</b>							
(a) TECHNICAL PERFORMANCE							
	EXCELLENT			UNSATISFACTORY			
FACTORS/RATINGS	6	5	4	3	2	1	N/A
Completion of major tasks/millstones/deliverables on schedule.							
Responsiveness to changes in technical direction							
Ability to identify risk factors and alternatives for alleviating risk.							
Ability to identify and solve problems expeditiously.							
Ability to employ standard tools/methods							
(b) MANAGEMENT PERFORMANCE							
	EXCELLENT			UNSATISFACTORY			
FACTORS/RATINGS	6	5	4	3	2	1	N/A
Overall communication with staff							
Effectiveness and reliability							
Ability to recruit and maintain qualified personnel							
Ability to manage multiple and diverse projects/tasks from planning throughout execution.							
Ability to effectively manage subcontractors							

<b>MANAGEMENT PERFORMANCE (continued)</b>							
	EXCELLENT			UNSATISFACTORY			
FACTORS/RATINGS	6	5	4	3	2	1	N/A
Ability to accurately estimate and control cost to complete task							
Overall performance in planning, scheduling, and monitoring							
Use of management tools (e.g. cost/schedule, task management tools)							
<b>(c) CUSTOMER SATISFACTION</b>							
	EXCELLENT			UNSATISFACTORY			
FACTORS/RATINGS	6	5	4	3	2	1	N/A
How would you rate the Contractor's overall technical performance on this contract/order?							
How would you rate the Contractor's ability to be cooperative, business like and concerned with interest of the customer?							
Total Dollar Amount of Contract							
Additional Comments							
Would you use this Contractor again				YES	NO		