



**Town of Cheverly
6401 Forest Road
Cheverly, MD 20785**

**INVITATION FOR BID (IFB)
PW-IFB-FY2020-OO2**

Date: November 18, 2019

The Town of Cheverly is requesting bids for:

**One (1) 2020 25 Cubic Yard Rear Loading Refuse Body
Mounted on a 2020 Freightliner M2 106 Chassis**

Bid Due Date: 10:00 AM - December 9, 2019

TOWN OF CHEVERLY

TABLE OF CONTENTS

Table of Contents	2
Invitation For Bid	3
Notice to Bidders	4
Bidders Questionnaire	5
General Conditions	6–10
Instructions to Bidders	11
Vehicle Description	12
Extended Warranty Option	13
Affidavits	14–18
Preparing and Submitting bids	19–20
Sample Contract Agreement	21
Bid Submittal Form	22



INVITATION FOR BID (IFB)
PW-IFB-FY2020-OO2

Date: November 18, 2019

General Specifications: ONE (1) 2020 25 CUBIC YARD REAR LOADING REFUSE BODY WITH LOW PROFILE REAR LOADING, COLOR RED, AND MOUNTED ON A 2020 FREIGHTLINER M2 106 CHASSIS. ADDITIONAL SPECIFICATIONS INCLUDED WITHIN THIS DOCUMENT AND IN ATTACHMENT #1.

Bid Due Date: 10:00 AM - December 9, 2019
(Bids received later will be returned unopened)

Projected Vehicle Order Date: January 6, 2020 (Acknowledgment of Vendor)

Vendor Vehicle Delivery Date: _____

Mail or Deliver Bids (two copies) to: Dylan O. Galloway, Town Administrator
6401 Forest Road
Cheverly, MD 20785

Mark Inner Envelope: "Sealed Bid PW-IFB-FY2020-OO2 One (1) 2020 25 Cubic Yard Rear Loading Refuse Body Mounted on a 2020 Freightliner M2 106 Chassis"

Direct Inquiries Concerning the Specifications to:

Stephen Brayman
Director of Public Works
Town of Cheverly
6401 Forest Road
Cheverly, MD 20785
301-773-2666 between 7:30 AM and 4:00 PM Monday through Friday except Town holidays
sbrayman@cheverly-md.gov

Notice to Bidders & Invitation For Bid

The Town of Cheverly will receive sealed bids for: One (1) 2020 25 Cubic Yard Rear Loading Refuse Body with Low Profile Rear Loading, Color Red, and Mounted on a 2020 Freightliner M2 106 Chassis in accordance with the Town of Cheverly bidding and contract documents and specifications as found in these documents and without deviations until: 10:00 AM - December 9, 2019 at which time they will be publicly opened.

TOWN OF CHEVERLY MAYOR AND TOWN COUNCIL

CONTRACT No. PW - FY2020 - 02

Description: One (1) 2020 25 Cubic Yard Rear Loading Refuse Body with Low Profile Rear Loading, Color Red, and Mounted on a 2020 Freightliner M2 106 Chassis in accordance with provided specs found below.

The bidding and contract documents maybe examined free of charge at 6401 Forest Road Cheverly, MD 20785 between the hours of 9:00 AM and 4:30 PM daily except Saturdays, Sundays, and/or Town Holidays on and after: November 20, 2019.

This Invitation For Bid (IFB) can be picked up by all interested companies. The receipt of this IFB from the Town of Cheverly in no way implies that the recipient is a responsible bidder. All bids received will be evaluated based on pricing, known previous experience and at the sole discretion of the Town of Cheverly's appointed representatives; whose judgment and selection are final.

Please note that the Town of Cheverly through its representatives reserves the right to reject any and all bids and to award, in whole or in part, so as to best serve the interests of the Town.

Bidders Initials and Date: Initials: _____ Date: _____

BIDDERS QUESTIONNAIRE
THE APPROPRIATE SECTION OF THIS PAGE MUST BE SIGNED BY ALL BIDDERS

NON-COLLUSIVE BIDDING CERTIFICATION

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

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

I hereby affirm under the penalties of perjury that the foregoing statement is true.

Affix Seal If _____
Principal Is _____ Legal Name of Person/Firm/Corporation
Corporation
BY: _____

IF A CORPORATION

The following is a certified copy of resolution authorizing the execution of this certificate by the signature of this bid or proposal on behalf of the corporate bidder, resolved that _____ be authorized to sign and submit the bid or proposal of this corporation for the project on items described, herein, in the Notice to Bidders, and to include in such bid or proposal the Certificate as to Non-Collusion required by the Town of Cheverly, Maryland as the act and deed of such corporation, and for any inaccuracies of misstatement in such certificate this corporate bidder shall be liable under the penalties of perjury.

The foregoing is a true and correct copy of the resolution by _____
Corporation at a meeting of its Board of Directors held on the _____ day of _____, 20_____.

Secretary Seal of Corporation

GENERAL CONDITIONS

TOWN OF CHEVERLY

The General Conditions set out below shall apply to formal bid solicitations for the Town of Cheverly. Bidders are responsible for informing themselves of these requirements prior to submission of bids. Failure to do so will be at bidder's own risk, and pleas of error, or ignorance shall not be honored. Bidders seeking information regarding the General Conditions set forth below should contact the Town of Cheverly's Town Administrator.

I. Receipt of Proposals:

- A. If received after the time specified for Public Bid Opening, formal bids, amendment thereto, or requests for withdrawal of bids will not be considered.
- B. Properly marked bids received prior to the specified time of Public Bid Opening will be securely kept, unopened, by Town Administrator.
- C. No liability shall be attached to the Town or to its representative (s) for the premature opening of an improperly addressed or improperly identified bid.
- D. The checks/bid bonds of all except the lowest bidder will be returned/released within 30 days after the opening of bids. The check/bond will be returned/released to the lowest bidder when the contract is executed. In the event that the bids are rejected, or shelved for any reason, the check/bond will be returned/released to the low bidder within 30 days therefrom.
- E. Unless otherwise specified, all formal bids submitted shall be binding for 180 calendar days following the specified bid opening date, unless the bidder(s), upon request of the Town of Cheverly, agrees to an extension.
- F. The attention of persons intending to make proposals is specifically called to Article 3 of the contract Agreement wherein the bidder agrees that the bidder corporation and/or one of its principal agents legally able to sign and execute a contract has examined the Contract Documents and the demands being made and is fully informed from personal examination of the same regarding the purchase other conditions affecting the procurement to be performed. Particular attention is called to special notes and specifications in the proposal which may contain contract requirements at variance with standard plans and specifications.

II. Bid Opening

- A. Although not necessary Bidders are encouraged to attend the Public Bid Opening and offer constructive suggestions as to format or ways in which the Town may realize greater savings. Bids are available for public inspection subsequent to the Public opening.
- B. Unless otherwise specified by the Town, all formal bids submitted shall be binding for Town acceptance for 180 days from the date of the bid opening.

III. Award or Rejection of Proposals

- A. Bids shall be awarded to the lowest and best responsive and responsible bidder. Bidders (if applicable) may restrict bids to consideration in aggregate by specifically stating same in writing on the bid form. Unless otherwise specified, the Town reserves the right: (1) to award in part or in whole, (2) to reject any or all bids, (3) to waive any information in the bids, and (4) to award so as to best serve the interest of the Town. The Town also reserves the right to reject the proposal of a bidder who has previously failed to execute properly or deliver on time contracts of a similar nature, or the proposal of a bidder who, upon investigation, shows they are not in a position to perform the contract.
- B. The bidder must supply all information required by the Invitation For Bid, Instructions to Bidders, Specifications, and Bid Forms. Failure to fill in all blanks may cause the bid to be disqualified.
- C. A written notice of award (acceptance of bid) shall be provided to the successful bidder within the specified acceptance period.

IV. Quotation

- A. Bid prices must be net, including transportation and handling charges fully prepaid by the contractor to destination and subject only to cash discount for prompt payment of invoices. Vehicle must be delivered to the Town of Cheverly, Department of Public Works, 6401 Forest Road, Cheverly, MD 20785. Vehicle must have temporary tags and registration.
- B. Bid prices shall not include Federal, State, or Local taxes. The Town's Maryland State Tax Exempt Number is 30041926.
- C. When an error is made in computing the extension of total price(s), the unit price will govern. In the event of discrepancies between the prices quoted in the Proposal in words and those quoted in figures, the words shall control.
- D. Bidders must submit any and all exceptions to conditions of the specifications in writing at the time of the bid and as part of the submission.

- E. No oral interpretation shall be made by any Bidder and/or to any Bidder as to the meaning of any of the Contract Documents. Every request for interpretations shall be in writing to the Town.

V. Standards of Quality, “or Equal Clauses”

Any catalog, brand name, or manufacturer’s reference used in a bid invitation is descriptive, and shall be deemed to include “an equal.” Bidders submitting equal substitutions will be considered provided the bidder submits a complete description of same and noting all variations from the specified brand in sufficient detail to support equal quality, equal capability, and equal durability to enable to the Town to judge whether or not all requirements are met. If such information is not provided, like brands will be considered non-responsive. Otherwise, it shall be understood that the specified brand will be furnished.

VI. Purchaser’s Right of Rejection

The Town reserves the right to accept proposals by items or as a whole, or at its discretion, reject any and all proposals and readvertise. The Town of Cheverly reserves the right to increase or decrease all quantities. The Town also reserves the right to reject any and all proposals which comply with these specifications, or to accept a higher bid which complies, provided that, in the judgment of the Town Administrator, the items offered under the higher bid have additional values or functions which justify the difference in price.

VII. Delivery and installation

Delivery of merchandise must conform to the instructions in the bid specifications and/or in the applicable notice of award or purchase order(s). Equipment deliveries shall not exceed 30 days.

VIII. Billing and Payment

Bills must be submitted in duplicate. Original and one copy shall be forwarded to the Town of Cheverly. Payment will be made only upon final acceptance by the Town.

IX. Reservations and Annulments

- A. The right is reserved the Town to reject bids for any and all items, and/or waive technical defects if in its judgment the interest of the Town is better served.
- B. The Town also reserves the right to annul any contract, if in its opinion there shall be a failure, or anytime, to perform faithfully any of its stipulations, or in case of any willful attempt to impose upon the Town materials, products and/or workmanship inferior to that required by the contract, and action taken in pursuance of this latter stipulation shall not affect or impair any rights or claims of the Town to damages for the breach of any covenant of the contract by the contractor.

- C. Should the contractor be prevented from furnishing any item or items, or from completing the required work included in this contract by reason of such failures caused by circumstances beyond his control, including but not limited to an Act of God, war, flood, governmental action, and inability to obtain transportation, the Town reserves the right to withdraw such items or required work from the operation of this contract without incurring further liabilities on the part of the Town thereby.

X. Compliance with Specifications

The Contractor shall abide and comply with the true intent of the specifications and not take advantage of any unintentional error or omission, but shall fully complete every part as the true intent and meaning of the specifications, as decided by the Town's Administrator and as described hereinafter.

XI. Responsibility for Supplies Tendered

The contractor shall be responsible for the materials or supplies covered by this contract until they are delivered at the designated point, and the Contractor shall bear all risk on rejected materials or supplied after notice of rejection. Rejected materials or supplies must be removed by and at the expense of the contractor promptly after notification of rejection. Upon failure to do so within ten (10) days after date of written notification, the Town may return the rejected materials or supplies to the contractor at the contractor's risk and expense.

XII. Inspection

Inspection and acceptance of all procurements will be made after delivery at the destination herein specified unless otherwise stated. Final inspection and acceptance or rejection of the procurements will be made as promptly as practicable, but failure to inspect and or reject procurements shall not impose liability on the Town for such procurements that are not in accordance with the specifications.

XIII. Bidder's List

In an attempt to keep the prospective Bidder's List current, Bidders are asked to respond to all bid specifications. If the response is a "no bid" the bidder is requested to explain his reasons for not bidding. Failure to respond to three consecutive Invitations For Bid may result in the deletion of the Bidder from the Bidder's List.

XIV. Conflict of Interest

No employee of the Town shall be admitted to any share or part of this contract or to any benefit that may arise thereafter.

XV. Contract

1. The proposal, with respect to all items accepted and all papers accompanying the same, including the Schedule and Continuation Sheets, if any, the Specifications, the

Instructions to the Bidders, these General Conditions, and other papers and documents referred to in any of the foregoing including lease or purchase agreements and service contracts, shall constitute the formal contract between the bidder and the Town of Cheverly.

2. The foregoing conditions shall be binding on all sealed bid solicitations unless specifically deleted or amended by reference within the bid documents.

INSTRUCTIONS TO BIDDERS

1. Equipment furnished under these specifications shall be basically the manufacturer's current conventional design, complete with all the necessary operating manuals, parts manuals, shop and preventative maintenance manuals, and other manuals pertinent to the vehicle.
2. All equipment furnished must comply with all Federal, State, local laws, and codes and regulations applicable to normal operation.
3. Warranty certificate must be provided with each unit delivered and it is to be effective the day the Town accepts the unit.
4. The Contractor warrants the vehicle furnished to be of the highest quality, complying with the specifications and free from all defects whatsoever in workmanship and materials, for the manufacturer's standard new vehicle warranty. Replacements and repairs under this warranty are to be made by the Contractor at no cost and to the satisfaction of the Town.
5. Bidders should include and extend any governmental pricing agreements or contracts that they have with any state governments, local governments, or cooperative purchasing programs available to the Town of Cheverly, and that would be beneficial to the Town.

REFUSE TRUCK DESCRIPTION

One (1) 2020 25 Cubic Yard Rear Loading Refuse Body with Low Profile Rear Loading, Color Red, and Mounted on a 2020 Freightliner M2 106 Chassis in accordance with provided specs found below. Specifications for 2020 Freightliner M2 106 Chassis are included in Attachment #1. Exactly matched specifications will be indicated with a check “✓” in the left column. Equivalent or better substitutions should be indicated with an “X” in the left column and documentation submitted with bid detailing how substitution is equivalent or better in quality.

✓	Description	Amount
	2020 25 Cubic Yard (excluding hopper) Rear Loading Refuse Body with Low Profile Rear Loading Height	
	Body and Chassis Color - Red	
	Reeving Cylinder (Red Body Color) – Latch & Ears, 12,000 lbs.	
	Married Pump	
	(2) Oval Strokes in Tailgate	
	(2) Oval Strokes in Front of Body	
	Flush Mounted Work lights inside Hopper	
	Rear Camera on Tailgate	
	7" Color LCD Monitor in Cab for Rear Camera	
	Body Side Opening for Hydraulic Tank	
	Broom & Shovel Holders	
	Hardox Ramp Liner	
	Back Up Alarm	
	Side Door Ladder w/Grab Handle	
	Standard Body Paint – Paint Red	
	One (1) Year Standard Warranty on body or greater	
	Chassis Warranty per Freightliner	
	Hopper – 3 cubic feet or greater	
	Body floor thickness ¼" or greater (if center trough then at least 5/16" trough thickness)	
	Rustproof design – body floor wrapped up on side walls and welded (or equivalent with documentation, no stitched seams)	
	Compaction Ratio (pounds/cubic yard) 1000-1200 minimum	
	2020 Freightliner M2 106 Chassis (specs in Attachment #1)	
	2 Extra Keys	
	Recommended additions (attach supplemental documentation)	
	Other costs or reductions (please detail)	
	Total for Refuse Truck (Body and Chassis)	

EXTENDED WARRANTY OPTION #1

Covers: _____

Cost with deductible: \$ _____ Deductible amount: \$ _____

Cost without deductible: \$ _____

Mileage or months that plan covers: _____

AFFIDAVITS

Name and Address of Bidder:

The above named Bidder affirms and declares:

1. That said Bidder is of lawful age and the only one interested in this bid; and that no person, firm or corporation other than hereinabove named has any interest in this bid, or in the contract proposed to be entered into.
2. That this bid is made without any understanding, agreement, or connection with any other person, firm, or corporation making a bid for the same material, supplies, or equipment, and is in all respects fair and without collusion or fraud.
3. The said bidder has carefully examined the procurement documents that from said Bidder's own investigations, said Bidder has satisfied itself as to the nature and intent of the procurement, its character, quality and quantity.
4. Upon acceptance of this proposal for said procurement the undersigned does or do bind the person or persons to enter into written contract with the owner as specified in the "Instructions for Bidders".
5. In default of the performance of any of the conditions required in making this bid, the undersigned agrees that the certified check/bid bond which is herewith deposited with the Owner shall be retained by the Owner as liquidated damages for such default or fraud, otherwise the check/bond will be returned to the successful bidder as noted in the "Instructions for Bidders". **Note: No check/bond is required for this bid.**

Legal name of person, firm or corporation making bid:

BY: _____

(Title of person signing)

AFFIDAVITS
(Continued)

NOTES

1. Where a bidder is a firm, the bid must be signed in the name of the firm by a member of the firm, who must sign that the member's own name immediately thereunder, as A.B. Company, by C.D. Partner.
2. Where a bidder is a corporation, the bid must be signed in the name of the corporation by some duly authorized officer or agent thereof having knowledge of the matters stated in the bid, and such officer or agent shall also subscribe said person's own name, as: A.B. Company, by C.D., President, and the seal of the corporation must be affixed.
3. The bid must be sworn to by the person signed it, in one of the following forms:

(Continued)

(Form of Affidavit where Bidder is an Individual)

STATE OF MARYLAND)
) ss:
COUNTY OF PRINCE GEORGE'S)

_____ being duly sworn says:

I am the person described in and who executed the foregoing bid and the several matter therein stated are in all respects true.

Signature of person who signed the bid

Subscribed and sworn to before me: this _____ day of _____, 20 ____.

(Notary Public)

COUNTY OF: _____

(Continued)

(Form of Affidavit where Bidder is a Partnership)

STATE OF MARYLAND)
) ss:
COUNTY OF PRINCE GEORGE'S)

_____ being duly sworn, says: I am a member of

_____ the firm described in and which executed the foregoing bid. I subscribed the name of the firm thereto on behalf of the firm, and the several matters therein stated are in all respects true.

Signature of person who signed the bid

Subscribed and sworn to before me: this _____ day of _____, 20 ____.

(Notary Public)

COUNTY OF: _____

(Continued)

(Form of Affidavit where Bidder is a Corporation)

STATE OF MARYLAND)
) ss:
COUNTY OF PRINCE GEORGE'S)

_____ being duly sworn, says:

I am _____ of _____ Corporation, the above named corporation whose name is subscribed to and which executed the foregoing bid. I reside at _____. I have knowledge of the several matters therein stated, and they are in all respects true.

Signature of person who signed the bid

Subscribed and sworn to before me: this _____ day of _____, 20____.

(Notary Public)

COUNTY OF: _____

Preparing and Submitting Bids

1. All bids must be clearly identified on the front of the envelope or top of the carton with the solicitation number, title of the solicitation and the due date and time. Faxed or emailed bids in response to this formal Invitation For Bids are not acceptable. Bids submitted by “overnight Express” must also be in a separate inner envelope or package sealed and identified as stated above. All bids must be addressed to the Town Administrator and received at 6401 Forest Road, Cheverly, MD 20785 (the municipal office building) prior to the bid opening noted above.
2. All bids must be signed by an authorized officer or agent of the Contractor submitting the bid and delivered in sealed envelopes or cartons to the Town Administrator prior to the time and date indicated. Bids received after the time and date indicated will not be accepted or considered.
3. The submission of a bid shall be considered an agreement to all the terms, conditions, and specifications provided herein and in the various bid documents, unless specifically noted otherwise in the bid.
4. Each bid shall be accompanied by the appropriate Affidavit.
5. The Town will assume no responsibility for oral instructions or suggestions. All official correspondence in regard to the specifications shall be directed to and will be issued by the Town.
6. **BID DOCUMENTS:** The required documents shall be submitted, in duplicate (original and one copy), in sealed envelope or carton to the Town Administrator prior to the opening date and time specified above. Failure to return required documents may be cause for rejection of the bid. This solicitation requires the return of the following documents:
 - ☐ Bid Submittal Form (page 22)
 - ☐ IFB title page (page 3) with vehicle delivery date indicated;
 - ☐ Notice to Bidders & Invitation For Bid page (page 4) with Bidders initials and date;
 - ☐ Bidders Questionnaire page (page 5) with appropriate information completed;
 - ☐ Vehicle Description page (page 12) with pricing information;
 - ☐ Extended Warranty page (page 13) with information and pricing; and,
 - ☐ Affidavits page (page 14) and appropriate Affidavit (pages 16-18).
7. **All bids must be handwritten or typed on the included “Bid Submittal Form.”** The completed form shall be placed in front of and separated from all other documents included and requested in the bid packet, such that it becomes the first document viewed upon opening the packet.
8. All bids shall include a current catalog or model specification document for the equipment model number being offered for consideration. Bids submitted without such documentation will not be considered. Only information contained on the attached bid form and in the model specification documents will be considered in evaluation bids.

Bidders are reminded that the Town reserves the right to require a performance bond.

All bids should be mailed or hand delivered to:

Town of Cheverly
6401 Forest Road
Cheverly, MD 20785
Attention: Dylan O. Galloway, Town Administrator

Please note each piece of the heavy equipment available for bid may include several different sizes and categories of machines. You should read the specifications carefully to ensure no discrepancies or omissions that may render useless the intent of the Bid.

Sample Contract Agreement

Town of Cheverly
Mayor and Town Council

This agreement, entered into this _____ day of _____, 20_____,
by the Town of Cheverly, Maryland hereinafter referred to as the "OWNER",
acting by and through the Mayor, Town of Cheverly, pursuant to the statute
and _____ a Corporation organized and existing
under the laws of the State of Maryland, _____ a
partnership consisting of _____ and
individual conducting business as _____
as _____ the location of whose
principal office is _____ hereinafter called the
"CONTRACTOR."

WITNESSETH, that the "OWNER" and the "CONTRACTOR", for the
consideration hereinafter name, agreed as follows

BID SUBMITTAL FORM
PW-IFB-FY2020-OO1

1. Name, Address and Contact Information of Bidder:

2. Total Net Price: \$_____

3. Delivery date with Projected Vehicle Order Date of 12/03/19: _____

4. All Specifications met:

- ☐ Yes as specified
- ☐ Yes with substitutions
- ☐ No

5. Check that all required forms are included:

- ☐ Bid Submittal Form (page 22)
- ☐ IFB title page (page 3) with vehicle delivery date indicated;
- ☐ Notice to Bidders & Invitation For Bid page (page 4) with Bidders initials and date;
- ☐ Bidders Questionnaire page (page 5) with appropriate information completed;
- ☐ Vehicle Description page (page 12) with pricing information;
- ☐ Extended Warranty page (page 13) with information and pricing; and,
- ☐ Affidavits page (page 14) and appropriate Affidavit (pages 16-18).

S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
Price Level			
PRL-19M	M2 PRL-19M (EFF:01/15/19)		
Data Version			
DRL-008	SPECPRO21 DATA RELEASE VER 008		
Interior Convenience/Driver Retention Package			
055-002	INTERIOR CONVENIENCE PACKAGE		
Vehicle Configuration			
001-172	M2 106 CONVENTIONAL CHASSIS	5,709	3,503
004-220	2020 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-002	STRAIGHT TRUCK PROVISION		
003-001	LH PRIMARY STEERING LOCATION		
General Service			
AA1-002	TRUCK CONFIGURATION		
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-001	REFUSE SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-003	DRY BULK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-091	MEDIUM TRUCK WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 16000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 56000.0 lbs		



Data Code	Description	Weight Front	Weight Rear
Truck Service			
AA3-061	REFUSE, SIDE LOAD OR REAR PACKER BODY - UNLOADS IN A LANDFILL		
AF3-119	HEIL ENVIRONMENTAL		
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
Engine			
101-22R	CUM L9 330 HP @ 2000 RPM, 2200 GOV RPM, 1000 LB/FT @ 1400 RPM	640	30
Electronic Parameters			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM		
79M-001	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED		
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM		
78S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
78U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
80G-002	PTO MINIMUM RPM - 700		
80J-001	REGEN INHIBIT SPEED THRESHOLD - 0 MPH		
Engine Equipment			
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-010	NO 2008 CARB EMISSION CERTIFICATION		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
133-004	ONE PIECE VALVE COVER		
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER		
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-208	(2) DTNA GENUINE, FLOODED STARTING, MIN 2250CCA, 390RC, THREADED STUD BATTERIES		
290-017	BATTERY BOX FRAME MOUNTED		
281-001	STANDARD BATTERY JUMPERS		



Data Code	Description	Weight Front	Weight Rear
282-003	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
87P-998	NO CAB AUXILIARY POWER WIRING		
293-060	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH WITH LOCKING PROVISION MOUNTED OUTBOARD DRIVER SEAT	8	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-076	CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH	20	
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-038	11 FOOT 08 INCH (138 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK	35	10
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Z-002	NON-POLISHED ALUMINUM DIESEL EXHAUST FLUID TANK COVER	15	5
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		



Data Code	Description	Weight Front	Weight Rear
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD		
273-018	HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		
120-009	FLEETGUARD PLAIN COOLANT FILTER		
266-013	1100 SQUARE INCH ALUMINUM RADIATOR	70	
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-016	RADIATOR DRAIN VALVE		
168-002	LOWER RADIATOR GUARD		
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
134-001	ALUMINUM FLYWHEEL HOUSING		
132-004	ELECTRIC GRID AIR INTAKE WARMER		
155-055	DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH	15	

Transmission

342-582	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60
---------	---	-----	----

Transmission Equipment

343-312	ALLISON VOCATIONAL PACKAGE 142 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS
84B-013	ALLISON VOCATIONAL RATING FOR REFUSE APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE ; FOR 3000/4000 PRODUCT FAMILIES ONLY
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY



Data Code	Description	Weight Front	Weight Rear
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD		
273-018	HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		
120-009	FLEETGUARD PLAIN COOLANT FILTER		
266-013	1100 SQUARE INCH ALUMINUM RADIATOR	70	
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-016	RADIATOR DRAIN VALVE		
168-002	LOWER RADIATOR GUARD		
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
134-001	ALUMINUM FLYWHEEL HOUSING		
132-004	ELECTRIC GRID AIR INTAKE WARMER		
155-055	DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH	15	

Transmission

342-582	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60
---------	---	-----	----

Transmission Equipment

343-312	ALLISON VOCATIONAL PACKAGE 142 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS
84B-013	ALLISON VOCATIONAL RATING FOR REFUSE APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY



	Data Code	Description	Weight Front	Weight Rear
	84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
	84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
	84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
	84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
	84J-000	ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
	84K-000	ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
N	84N-000	NEUTRAL AT STOP - DISABLED, FUELSense - DISABLED		
	84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
	353-022	VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT BACK OF CAB		
	34C-001	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
	341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
	345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
	97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
	370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
	346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
	35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

Front Axle and Equipment

400-1A9	DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	180
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10



Data Code	Description	Weight Front	Weight Rear
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS	5	
409-006	FRONT OIL SEALS		
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
536-012	TRW TAS-85 POWER STEERING	40	
539-003	POWER STEERING PUMP		
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
533-001	OIL/AIR POWER STEERING COOLER	5	
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE		
Front Suspension			
620-005	18,000# FLAT LEAF FRONT SUSPENSION	290	
619-004	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION		
410-998	NO FRONT SHOCK ABSORBERS	-30	
Rear Axle and Equipment			
420-111	RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE		2,990
421-563	5.63 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	20	20
388-073	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES		
452-006	DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		30
878-023	(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD- REAR AND REAR-REAR AXLE VALVE		
87A-001	BLINKING LAMP WITH EACH INTERAXLE LOCK SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF		
87B-004	BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH		



Data Code	Description	Weight Front	Weight Rear
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-003	STANDARD BRAKE CHAMBER LOCATION		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
425-002	REAR BRAKE DUST SHIELDS		10
440-006	REAR OIL SEALS		
426-1B3	BENDIX EVERSURE LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		20
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE		

Rear Suspension

622-1E7	HENDRICKSON HAULMAAX @46,000#REAR SUSPENSION		330
621-1AP	HENDRICKSON HAULMAAX/ULTIMAAX - 10.50" RIDE HEIGHT		
624-011	52 INCH AXLE SPACING		
628-010	HENDRICKSON HN, HAULMAAX AND ULTIMAAX SERIES STEEL BEAMS WITH BAR PIN		
623-006	FORE/AFT AND TRANSVERSE CONTROL RODS		

Brake System

018-002	AIR BRAKE PACKAGE		
490-100	WABCO 4S/4M ABS		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
413-002	STD U.S. FRONT BRAKE VALVE		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-086	BW AD-9SI BRAKE LINE AIR DRYER WITH HEATER		
479-012	AIR DRYER MOUNTED UNDER HOOD		
460-001	STEEL AIR BRAKE RESERVOIRS		
477-003	BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER - WET TANK		

Trailer Connections



Data Code	Description	Weight Front	Weight Rear
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT		
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT		
Wheelbase & Frame			
545-572	5725MM (225 INCH) WHEELBASE		
545-102	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	370	290
552-061	2500MM (98 INCH) REAR FRAME OVERHANG		
55W-009	FRAME OVERHANG RANGE: 91 INCH TO 100 INCH	-50	210
ACB-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA): 159.85 In		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA): 166.85 In		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 353.19		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 159.45 In		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 63.09 In		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 208.68 In		
553-001	SQUARE END OF FRAME		
550-001	FRONT CLOSING CROSSMEMBER		
559-003	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12	
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-001	STANDARD SUSPENSION CROSSMEMBER		
Chassis Equipment			
556-1CU	THREE-PIECE 14 INCH PAINTED STEEL BUMPER WITH COLLAPSIBLE ENDS, SPACED 3 INCHES FORWARD	40	
558-001	FRONT TOW HOOKS - FRAME MOUNTED	15	
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUFLAPS		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
Fuel Tanks			



Data Code	Description	Weight Front	Weight Rear
204-154	80 GALLON/302 LITER ALUMINUM FUEL TANK - LH	35	
218-001	23 INCH DIAMETER FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-007	FUEL TANK(S) FORWARD		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1H4	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR AND 12 VOLT PREHEATER	-5	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
11F-998	NO NATURAL GAS VEHICLE FUEL TANK VENT LINE/STACK		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
221-001	FUEL COOLER	10	
Tires			
093-1PB	CONTINENTAL CITY SERVICE HA3 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
094-1RB	CONTINENTAL HDL2 11R22.5 14 PLY RADIAL REAR TIRES		88
Hubs			
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
Wheels			
502-579	MAXION WHEELS 10041 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS	66	
505-523	MAXION WHEELS 90262 22.5X8.25 10-HUB PILOT 5-HAND STEEL DISC REAR WHEELS		72
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
Cab Exterior			
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
650-008	AIR CAB MOUNTING		
678-001	LH AND RH GRAB HANDLES		



Data Code	Description	Weight Front	Weight Rear
646-023	HOOD MOUNTED CHROMED PLASTIC GRILLE		
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE		
644-004	FIBERGLASS HOOD		
727-1AM	DUAL 24 INCH ROUND POLISHED ALUMINUM AIR HORNS ROOF MOUNTED	8	
726-002	DUAL ELECTRIC HORNS		
728-002	DUAL HORN SHIELDS		
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-038	INTEGRAL HEADLIGHT/MARKER ASSEMBLY WITH CHROME BEZEL		
302-047	LED AERODYNAMIC MARKER LIGHTS		
311-019	HEADLIGHTS ON WITH WIPERS, WITH DAYTIME RUNNING LIGHTS		
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-1BM	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
74A-001	RH DOWN VIEW MIRROR		
74B-080	RH AND LH 8 INCH STAINLESS STEEL FENDER MOUNTED CONVEX MIRRORS WITH TRIPOD BRACKETS	8	
729-001	STANDARD SIDE/REAR REFLECTORS		
764-010	COMPOSITE EXTERIOR SUN VISOR	10	
768-043	63X14 INCH TINTED REAR WINDOW		
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
654-011	RH AND LH ELECTRIC POWERED WINDOWS	4	
663-013	TINTED WINDSHIELD		
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		
Cab Interior			
707-1AK	OPAL GRAY VINYL INTERIOR		



Data Code	Description	Weight Front	Weight Rear
706-016	MOLDED DOOR PANEL WITH UPPER VINYL INSERTS		
708-016	MOLDED DOOR PANEL WITH UPPER VINYL INSERTS		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-001	DASH MOUNTED ASH TRAYS AND LIGHTER		
691-014	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS AND ADDITIONAL CENTER COMPARTMENT WITHOUT NETTING		
694-010	IN DASH STORAGE BIN		
693-023	LH DOOR MAP POCKET		
742-007	(2) CUP HOLDERS LH AND RH DASH		
680-006	GRAY/CHARCOAL FLAT DASH		
860-004	SMART SWITCH EXPANSION MODULE		
720-003	5 LB. FIRE EXTINGUISHER	10	
700-002	HEATER, DEFROSTER AND AIR CONDITIONER		
701-001	STANDARD HVAC DUCTING		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-019	STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES		
130-041	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		
702-002	BINARY CONTROL, R-134A		
739-033	STANDARD INSULATION		
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
324-011	DOME DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		
722-028	TRIANGULAR REFLECTORS KIT WITHOUT FLARES SHIPPED LOOSE IN CAB	10	
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
760-235	2 MAN TOOL BOX MID BACK NON SUSPENSION; PASSENGER SEAT	20	
759-009	INBOARD DRIVER SEAT ARMREST, NO PASSENGER SEAT ARMREST	2	



Data Code	Description	Weight Front	Weight Rear
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
758-022	BLACK MORDURA CLOTH DRIVER SEAT COVER		
761-023	BLACK MORDURA CLOTH PASSENGER SEAT COVER		
763-101	BLACK SEAT BELTS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

732-003	WOODGRAIN DRIVER INSTRUMENT PANEL
734-003	WOODGRAIN CENTER INSTRUMENT PANEL
870-001	BLACK GAUGE BEZELS
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
198-003	DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH
844-001	2 INCH ELECTRIC FUEL GAUGE
148-003	PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE
748-115	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH AND USB AND AUXILIARY INPUTS, J1939

10



Data Code	Description	Weight Front	Weight Rear
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-008	AM/FM ANTENNA MOUNTED ON LH SIDE MIRROR		
748-001	POWER AND GROUND STUDS IN/UNDER DASH		
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
162-011	IDLE LIMITER, ELECTRONIC ENGINE		
81Y-001	PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH		
838-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		
882-018	ONE VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR		
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		

Design

065-000 PAINT: ONE SOLID COLOR

Color

980-5F6 CAB COLOR A: L0006EB WHITE ELITE BC

986-020 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS
PAINT

982-972 POWDER WHITE (N0006EA) FRONT
WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)

966-972 POWDER WHITE (N0006EA) REAR
WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)

964-6Z7 BUMPER PAINT: FP24812 ARGENT SILVER
DUPONT FLEX

976-995 SUNVISOR PAINTED SAME AS CAB COLOR A

963-003 STANDARD E COAT/UNDERCOATING



Data Code	Description	Weight Front	Weight Rear
Certification / Compliance			
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS		
Secondary Factory Options			
998-001	CORPORATE PDI CENTER IN-SERVICE ONLY		
Raw Performance Data			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 353.19		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 156.85 in		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 159.45 in		
Sales Programs			
NO SALES PROGRAMS HAVE BEEN SELECTED			

TOTAL VEHICLE SUMMARY

Weight Summary			
	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	7969 lbs	7693 lbs	15662 lbs
Total Weight ⁺	7969 lbs	7693 lbs	15662 lbs

Extended Warranty	
WAG-011	TOWING: 2 YEARS/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$550 CAP FEX APPLIES

(+) Weights shown are estimates only.
If weight is critical, contact Customer Application Engineering.



M2 106 CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK

CUM L9 330 HP @ 2000 RPM, 2200 GOV RPM, 1000
LB/FT @ 1400 RPM

ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH
PTO PROVISION

RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE

HENDRICKSON HAULMAAX @46,000# REAR
SUSPENSION

DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP
SINGLE FRONT AXLE

18,000# FLAT LEAF FRONT SUSPENSION

106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL
CAB

5725MM (225 INCH) WHEELBASE

7/16X3-9/16X11-1/8 INCH STEEL FRAME

(11.11MMX282.8MM/0.437X11.13 INCH) 120KSI

2500MM (98 INCH) REAR FRAME OVERHANG