

CITY OF HIGH POINT AGENDA ITEM



Title: Purchase of an Electric Digger Derrick Truck

From: Kevin Rogers, Fleet Director

Meeting Date: July 17, 2023

Advertising Date / N/A

Public Hearing: N/A

Advertised By: N/A

Attachments: Recommendation form
Terex Utilities – QU22966

PURPOSE:

The Electric Department has one (1) 2009 Ford F750 with an Adkins Truck body that is in need of replacement due to age, hours, and condition. Using the Sourcewell Contract# 110421-TER one (1) Freightliner truck with Terex 5048 Digger Derrick body is being recommended for council approval.

BACKGROUND:

The Electric Department is currently using a 2009 Ford F750 with an Adkins Truck body. The new Freightliner truck with a Terex Commander 5048 Digger Derrick body is similar to the ones they are currently using and will meet their needs. The price of \$437,503 is for the truck, training, and delivery. The estimated delivery is 365+ days .

BUDGET IMPACT:

Funds are available in 2023-24 budget

RECOMMENDATION / ACTION REQUESTED:

The Fleet Services Department recommends purchasing the new Freightliner truck with a Terex Commander 5048 Digger Derrick body from Terex Utilities Inc. Recommendations also includes declaring the old truck as surplus and disposing through the online auction process.





**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT:

COUNCIL AGENDA DATE:

BID NO.: CONTRACT NO.: DATE OPENED:

DESCRIPTION:

PURPOSE:

COMMENTS:

RECOMMEND AWARD TO: AMOUNT:

JUSTIFICATION:

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
TOTAL BUDGETED AMOUNT				

DEPARTMENT HEAD: DATE:

The Purchasing Division concurs with recommendation submitted by the and recommends award to the lowest responsible, responsive bidder in the amount of \$.

PURCHASING MANAGER: DATE:

Approved for Submission to Council
FINANCIAL SERVICES DIRECTOR: DATE:

CITY MANAGER: DATE:



TEREX®

CUSTOMER ORDER ACKNOWLEDGEMENT

Terex Utilities, Inc. - 3140 15th Avenue SE - Watertown, SD 57201 - Phone: 605-882-4000

Date: **5/3/2023** Sourcewell 2022 Pricing 110421-TER
 Rev1
 Quote Number: QU22966 Unit: C5048

City of High Point
 3524 Triangle Lake Rd
 High Point, NC 27261
 (336) 529-9348
 Attention: Kevin Rogers

Baseline Price: \$437,503

Grand Total Each: \$437,503

This written description and attached specifications represents Terex South Dakota, INC. and shall not be released, disclosed, nor duplicated without the written permission of Terex South Dakota, INC.

Prices are subject to change until shipment. Applicable taxes and surcharges to be added. Taxes, shipping, handling and lead times are estimates and subject to change. Quoted prices are based on total package and subject to change if all items not purchased. All prices quoted are in U.S. dollars unless otherwise specified. Payment by cash or certified check only. Chassis price based off current pricing available at time of quote. Pricing is subject to change based on vehicle sourcing; final price to be confirmed prior to time of invoice. Chassis payment is due within 30 days of chassis receipt at our facility. Quote withdrawn after 30 days.

Please ensure the accuracy of the specifications and drawings you provide. Changes made after receipt of order may incur additional charges. If you are trading equipment in, you warrant that: You have good title to the trade-in; it is free of all liens and encumbrances; all information you have provided related to the trade-in is true and correct.

Terex purchased chassis through Terex preferred International Dealer will include at no additional cost a special tow package for 12 months/unlimited mileage to nearest International Dealership for a warrantable failure. Coverage limited to \$550 per incident. Roadside assistance call 1-800-448-7825

Terex purchased chassis through Terex preferred Freightliner Dealer will include at no additional cost a special tow package for 12 months/unlimited mileage/KM extended towing coverage \$550 cap FEX applies. Roadside assistance call 1-800-FTL-HELP

Notes:

- 1) Delivery Terms are: CPT Destination
- 2) Terms: Net 30 days
- 3) Delivery days from receipt of order shall be 480/770 Days

Buyer hereby agrees to purchase the products in this quotation, subject to acceptance by Seller. Buyer has read and agrees to Seller's Terms and Conditions of Sale.

Terex Utilities Inc.

Nathan Weber
Sales Coordinator

Seth Houtsma
Account Manager

⚠WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov.

Accepted By: _____

PO Number: _____


Quantity: _____

Grand Total: _____

Date: _____

Options

Date	5/3/23
Quote(s) #	QU22966
Customer Name	City of High Point
Customer PO #	

No.	Description	Selling Price	Options:
1	Extended Warranty for Freightliner 4x2. WAI-47H CUM 2017 L9: HD1 MD DTY 5 YEARS / 100,000 MILES / 161,000 KM EXTENDED WARRANTY. FEX APPLIES WAX-101 CUM 2017 L9: AT3 MD DTY 5 YEARS / 100,000 MILES / 161,000 KM AFTERTREATMENT. FEX APPLIES WBB-344 TC4: MD MODERATE 5 YEARS/100,000 MILES / 161,000 KM EXTENDED TRUCK COVERAGE. FEX APPLIES WAK-252 ALLISON 3500 RDS SERIES TRANSMISSION EXTEND WARRANTY, 5 YEARS/UNLIMITED MILES FEX WAL-231 AXLE: NON-DETROIT SINGLE REAR ONLY: MD MODERATE 5 YEARS/100,000 MILES/161,000 KM EXTENDED COVERAGE WAG-078 TOWING: 5 YEARS/UNLIMITED MILES/	\$5,488	<input type="checkbox"/> Add Option
2		\$0	<input type="checkbox"/> Add Option
3		\$0	<input type="checkbox"/> Add Option
4		\$0	<input type="checkbox"/> Add Option
5		\$0	<input type="checkbox"/> Add Option
6		\$0	<input type="checkbox"/> Add Option
7		\$0	<input type="checkbox"/> Add Option
8		\$0	<input type="checkbox"/> Add Option
		Total:	<input type="checkbox"/> Add Option

TERMS AND CONDITIONS OF SALE
TEREX SOUTH DAKOTA, INC./TEREX UTILITIES, INC.
U.S. and CANADA (except Quebec)

1. Terms and Conditions. The provision by Seller to Buyer of any Equipment or Parts (collectively referred to as “Products”) shall be exclusively governed by these Terms and Conditions of Sale (“Terms and Conditions”) and Seller’s sales order acknowledgement (collectively referred to as “Agreement”). This Agreement cancels and supersedes any and all terms and conditions previously issued by Seller and shall remain in effect unless and until superseded in writing by Seller. Acceptance of an order for Products by Seller shall be deemed to constitute a binding agreement between the parties pursuant to these Terms and Conditions and Buyer agrees that the order may not thereafter be countermanded or otherwise changed without the explicit prior written consent of Seller. No other terms and conditions shall apply, including the terms of any purchase order submitted to Seller by Buyer, whether or not objected to by Seller or whether or not such terms are inconsistent or conflict with or are in addition to these Terms and Conditions. These Terms and Conditions shall be deemed accepted by Buyer if any of the following occurs: (i) if confirmed by Buyer, (ii) if undisputed by Buyer within ten (10) days after receipt, or (iii) if Seller delivers Products to Buyer. Any communication construed as an offer by Seller and acceptance thereof is expressly limited to these Terms and Conditions. The Products are intended for industrial/commercial use by professional contractors and their trained employees and are not intended for use by consumers.

2. Terms of Payments. Payment for Products purchased by Buyer shall be made in accordance with any of the following terms, provided they have been previously arranged with and expressly approved by Seller in writing: (1) cash in advance; (2) confirmed, irrevocable letter of credit established in such amount and form and at such time and at such bank as shall be approved by Seller in respect of each order; (3) credit account purchases for which payment will be due and payable on net thirty (30) day terms, plus service and other charges applicable to past due amounts in accordance with Seller’s written notices; or (4) other payment arrangements expressly approved by Seller in writing prior to or at the time the order is placed. If any Buyer credit account purchase is not paid in accordance with Seller’s credit payment terms, in addition to any other remedies allowed in equity or by law, Seller may refuse to make further shipments without advance payment by Buyer. Nothing contained herein shall be construed as requiring Seller to sell any Products to Buyer on credit terms at any time, or prohibiting Seller from making any and all credit decisions which it, in its sole discretion, deems appropriate for Seller. Seller shall have the right, at its option, to charge interest on all amounts not paid when due and Buyer agrees to pay such interest calculated on a daily basis, from the date that payment was due until the Seller receives payment in full, at the rate of 1.5% per month or the maximum rate permitted by applicable law. Unless otherwise agreed in writing between Seller and Buyer, Seller may, in its sole discretion, increase or decrease the price of any Product, as Seller deems reasonably necessary, at any time prior to shipment and invoice Buyer for the same. If Buyer orders the chassis through Seller, the chassis payment is due upon receipt of chassis by Seller and the balance owed for the completed unit is due in accordance with agreed upon payment terms. When supplied by Buyer, Seller will inspect the chassis upon receipt and will notify Buyer of any chassis mounted components (including but not limited to fuel tanks, air tanks, battery boxes and exhaust systems) that require relocation. Buyer will be invoiced for such work upon completion of the finished Equipment.

3. Taxes and Duties. Unless otherwise noted, prices quoted do not include taxes or duties of any kind or nature. Buyer agrees that it will be responsible for filing all tax returns and paying applicable tax, duty, export preparation charge and export documentation charge resulting from the purchase of the Products. In addition, in the event any other similar tax is determined to apply to Buyer’s purchase of the Products from Seller, Buyer agrees to indemnify and hold Seller harmless from and against any and all such other similar taxes, duties and fees. All prices quoted are U.S. dollars unless otherwise specified. The amount of any present or future taxes applicable to the sale, transfer, lease or use of the Products shall be paid by Buyer; or in lieu thereof, Buyer shall provide Seller with a tax exemption certificate satisfactory to the applicable taxing authority proving that no such tax is due and payable upon such sale, transfer, lease or use.

4. Title, Property, Risk and Delivery. Unless otherwise stated in writing, for all intra-continental United States shipments, all prices and delivery are FCA, point of manufacture (Incoterms 2020); for all other shipments, all prices and delivery are FAS, named port of shipment (Incoterms 2020). Title and all risk of loss or damage to Products shall pass to Buyer upon delivery, as per Incoterms 2020. Any claims for loss, damage or delay in transit must be entered and prosecuted by the Buyer directly with the carrier, who is hereby declared to be the agent of the Buyer. Seller shall not be liable for any delay in performance of this agreement or delivery of the Products, or for any damages suffered by Buyer by reason of delay, when the delay is caused, directly or indirectly, by a force majeure event described in Section 20 herein or any other cause beyond Seller’s control. Claims for shortages in shipments shall be deemed waived and released by Buyer unless made in writing within five (5) days after Buyer’s receipt of shipment. Seller’s responsibility for shipment shall cease upon delivery of the Products to the place of shipment, and all claims occurring thereafter shall be made to or against the carrier by Buyer. Delivery shall generally be 240 to 270 days after receipt by Seller of a signed Order, provided that, where applicable: (1) Seller receives the chassis a minimum of 90 days prior to scheduled delivery, (2) drawings are timely sent by Buyer and the approved drawings are returned to Seller by Buyer by the requested date, (3) all vendor-supplied components and Buyer-supplied accessories are received by Seller by the date necessary to comply with scheduled delivery. Seller shall not be liable for any delay in performance of this agreement or delivery of the Products, or for any damages suffered by Buyer by reason of delay, when the delay is caused, directly or indirectly, by a force majeure event described in Section 20 herein or any other cause beyond

Seller's control. Claims for shortages in shipments shall be deemed waived and released by Buyer unless made in writing within fifteen (15) days after Buyer's receipt of shipment. Seller's responsibility for shipment shall cease upon delivery of the Parts and or Equipment to the place of shipment, and all claims occurring thereafter shall be made to or against the carrier by Buyer.

5. Delays Caused By Buyer. In the event of a delay in shipment or delivery due to delay by Buyer in furnishing delivery instructions, arranging a method of payment satisfactory to Seller, submitting valid import permits or licenses, or any other delay caused by Buyer or at Buyer's request, if the Products are not shipped or delivered within five (5) days from the first date they are ready to be shipped or delivered, then Seller shall be entitled to charge, as compensation, any additional costs incurred related to such delay. If the Products are not shipped or delivered by the date which is ten (10) days from the first date they are ready to be shipped or delivered, then Buyer's order shall be deemed cancelled and Seller may, in its sole discretion, sell such Products to another buyer without any liability or responsibility to Buyer whatsoever. Seller shall have the right to keep payments on account already received from Buyer, and the difference between the sales price (increased by any other and all further costs, including but not limited to attorney's fees and expenses, storage and other costs, and interest accrued thereon) and the price received from another buyer shall constitute a debt of Buyer and bear interest at the same rate set forth in Section 2 herein. Seller shall be entitled to claim for any further damages suffered as a consequence of Buyer's breach of its obligations hereunder.

6. Cancellation. Prior to delivery to place of shipment, a Product order may be cancelled only with Seller's prior consent and upon terms indemnifying Seller from all resulting losses and damages. Seller shall have the right to cancel and refuse to complete a Product order if any term and/or condition governing this agreement is not complied with by Buyer. In the event of cancellation by Seller, or in the event Seller consents to a request by Buyer to stop work or to cancel the whole or any part of any order, Buyer shall, in the event that Seller asks Buyer to do so, make reimbursement to Seller, as follows: (i) any and all work that can be completed within thirty (30) days from date of notification to stop work on account of cancellation shall be completed, shipped and paid in full; and (ii) for work in progress and any materials and supplies procured or for which definite commitments have been made by Seller in connection with the order, Buyer shall pay such sums as may be required to fully compensate Seller for actual costs incurred, plus fifteen percent (15%). Buyer may not cancel any order after Seller's delivery to place of shipment. Orders for "Special" Equipment may not be cancelled after acceptance, except by Seller. Items of "Special" Equipment are those that differ from standard Seller specifications, have a limited market, or incorporate specifications that have been determined for a specific application. Determination of whether an item of Equipment is "Special" shall be made by Seller in its sole discretion.

7. Inspection and Acceptance. Buyer agrees that it shall inspect the Products immediately after receipt and promptly (in no event later than fifteen (15) days after receipt) notify Seller in writing of any non-conformity or defect. Buyer further agrees that failure to give such prompt notice or the commercial use of the Products shall constitute acceptance. Acceptance shall be final and Buyer waives the right to revoke acceptance for any reason, whether or not known by Buyer at the time of such acceptance. The giving of any such notice by Buyer shall automatically cause the provisions of Seller's warranty to apply and govern the rights, obligations and liabilities of the parties with respect to such nonconformity or defect, provided under no circumstances shall rejection give rise to any liability of Seller for incidental or consequential damages or losses of any kind. Seller shall not be bound by any agent's, employee's or any other representation, promise or inducement not set forth herein. Seller's catalogues, technical circulars, price lists, illustrations, drawings and any other similar literature are for Buyer's general guidance only and the particulars contained in them shall not constitute representations by Seller and Seller shall not be bound by them.

8. Warranty for New Products. Seller warrants its new Equipment and Parts manufactured and sold worldwide, to be free, under normal use and service, of any defects in material or workmanship for a period of twelve (12) months from the date of delivery (as limited by Seller's Limited Product Warranty); provided that Buyer sends Seller written notice of the defect within thirty (30) days of its discovery and establishes that: (i) the Equipment has been operated and maintained in strict compliance with Seller's operating and maintenance manuals ; and (ii) the defect did not result in any manner from the intentional or negligent action or inaction of Buyer, its agents or employees and (2) a new machine registration certificate has been completed, signed and delivered to the Seller within thirty (30) days of the Equipment's "in-service" date. If requested by Seller, Buyer must return any defective Product to Seller's manufacturing facility, or other location designated by Seller, for inspection, and if Buyer cannot establish that conditions (i) and (ii) above have been met, then this warranty shall not cover the alleged defect. Failure to give written notice of defect within such period shall be a waiver of this warranty and any assistance rendered thereafter shall not extend or revive it. Accessories, assemblies and components included in the Products of Seller, which are not manufactured by Seller, are subject to the warranty of their respective manufacturers. This warranty shall not cover any item on which serial numbers have been altered, defaced or removed. Maintenance and wear parts are not covered by this warranty and are the sole maintenance responsibility of Buyer. This warranty is limited to the original purchaser or end-user if sold to a distributor, and is not assignable or otherwise transferable without written agreement of Seller. **THIS WARRANTY IS EXPRESSLY IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) AND ALL OTHER OBLIGATIONS OR LIABILITY ON SELLER'S PART. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE LIMITED WARRANTY CONTAINED HEREIN.** Seller neither assumes nor authorizes any other person to assume for Seller any other liability in connection with the sale of Seller's Products. This

warranty shall not apply to any of Seller's Products or any part thereof which has been subject to misuse, alteration, abuse, negligence, accident, acts of God or sabotage. No action by either party shall operate to extend or revive this limited warranty without prior written consent of Seller.

9. Warranty for Used Equipment. Used Equipment sold hereunder is sold on an "AS IS, WHERE IS, WITH ALL FAULTS" BASIS WITH NO WARRANTIES WHATSOEVER, EXCEPT AS TO TITLE, UNLESS OTHERWISE SPECIFICALLY AGREED IN WRITING BY BUYER AND SELLER. SELLER ASSUMES NO RESPONSIBILITY FOR THE CONDITION, SAFETY, LEGAL COMPLIANCE, OR USABILITY OF THE USED EQUIPMENT AND MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO THE USED EQUIPMENT INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SELLER MAKES NO REPRESENTATION OR WARRANTY REGARDING THE CONDITION OF THE USED EQUIPMENT, NOR THE SUFFICIENCY OF ANY WARNINGS, INSTRUCTIONS OR MANUALS PROVIDED WITH THE USED EQUIPMENT. Seller recommends and Buyer acknowledges that Buyer should contact the original manufacturer to obtain all available information for the used Equipment, including but not limited to product manuals, warnings, safety bulletins, recall notices, and instructional placards before using the used Equipment. Seller shall not be responsible for providing such information. Buyer agrees not to assert any claims against Seller with respect to the used Equipment or its use. Buyer agrees that it shall inspect the used Equipment prior to issuance of a purchase order for such Equipment and acknowledges that it is not relying upon any photographs, images, videos, representations, statements or other assertions made by Seller with respect to the used Equipment's condition, but is relying upon its own knowledge and/or inspection of the used Equipment.

10. Remedies for Breach. IN THE EVENT OF ANY BREACH OF THE WARRANTY BY SELLER, THE PARTIES AGREE THAT SELLER'S LIABILITY SHALL BE LIMITED EXCLUSIVELY TO THE REMEDIES OF REPAIR OR REPLACEMENT (AT SELLER'S SOLE DISCRETION) OF ANY DEFECTIVE EQUIPMENT COVERED BY THE WARRANTY. In no event shall any repair or replacement of any defective equipment covered by the Seller's warranty extend the length of the warranty beyond the period specified in Section 8 herein.

11. Limitation of Liability. NOTWITHSTANDING ANYTHING CONTAINED IN THIS AGREEMENT TO THE CONTRARY, SELLER AND ITS AFFILIATES SHALL NOT BE LIABLE FOR, AND SPECIFICALLY DISCLAIM, ANY LIABILITY FOR ANY: (A) LOST PROFITS AND/OR BUSINESS INTERRUPTION (WHETHER DIRECT OR INDIRECT); AND (B) INDIRECT, INCIDENTAL, CONSEQUENTIAL (WHETHER DIRECT OR INDIRECT) OR OTHER DAMAGES OR LOSSES OF ANY KIND WHATSOEVER, including, without limitation, labor costs, lost profits, loss of use of other equipment, third party repairs, personal injury, emotional or mental distress, improper performance or work, penalties of any kind, loss of service of personnel, or failure of Products to comply with any federal, state, provincial or local laws, regardless of whether arising from a breach of contract, or warranty, legal claims or otherwise. **Nothing in this Section shall operate to exclude Seller's liability for death or personal injury when directly related to Seller's negligent act or omission.**

12. Limitation of Actions. Any action for breach of this agreement must be commenced within one (1) year after the cause of action has accrued.

13. Specification Changes. In the event Seller incurs additional expense because of changes in specifications or drawings previously approved by Buyer, or in the event Seller is required to modify the ordered Equipment, perform any additional work or supply any additional Products, the additional expense shall be added to the purchase price. Buyer must submit to Seller a revised purchase order specifying any and all requested changes. Upon receipt of Buyer's revised purchase order, Seller shall have the right, in its sole discretion, to accept or reject any changes in specifications requested by Buyer.

14. Trade-in Offers. Trade-in offers are subject to Seller's inspection and acceptance of the equipment, which must have been maintained to U.S. Department of Transportation operating and safety standards. All accessories on the equipment, including without limitation jibs, winches, pintle hooks and trailer connectors, must remain with the equipment unless otherwise agreed by Seller and Buyer in writing. Seller reserves the right to cancel any trade-in offers or agreements if these conditions are not met, or if Buyer has misrepresented any information about the trade-in unit.

15. Insurance. Until the purchase price of any Products is paid in full, the Buyer shall provide and maintain insurance equal to the total value of the Equipment delivered hereunder against customary casualties and risks; including, but not limited to fire and explosion, and shall also insure against liability for accidents and injuries to the public or to employees, in the names of Seller and Buyer as their interest may appear, and in an amount satisfactory to Seller. If the Buyer fails to provide such insurance, it then becomes the Buyer's responsibility to notify the Seller so that the Seller may provide same; and the cost thereof shall be added to the contract price. All loss resulting from the failure to affect such insurance shall be assumed by the Buyer.

16. Patents, Copyrights, Trademarks, Confidentiality. No license or other rights under any patents, copyrights or trademarks owned or controlled by Seller or under which Seller is licensed are granted to Buyer or implied by the sale of Products hereunder. Buyer shall not identify as genuine products of Seller products purchased hereunder which Buyer has treated, modified or altered in any way, nor shall Buyer use Seller's trademarks to identify such products; provided, however, that Buyer may identify such products as utilizing, containing or having been manufactured from genuine products

of Seller as treated, modified or altered by Buyer or Buyer's representative, upon prior written approval of Seller. All plans, photographs, designs, drawings, blueprints, manuals, specifications and other documents relating to the business of Seller ("Information") shall be and remain the exclusive property of Seller and shall be treated by Buyer as confidential information and not disclosed, given, loaned, exhibited, sold or transferred to any third party without Seller's prior written approval; provided, however, that these restrictions shall not apply to Information that Buyer can demonstrate: (a) at the time of disclosure, is generally known to the public other than as a result of a breach of this Agreement by Buyer; or (b) is already in Buyer's possession at the time of disclosure by from a third party having a right to impart such Information.

17. Default and Seller's Remedies. In the event of default by Buyer, all unpaid sums and installments owed to Seller, shall, at Seller's sole option, become immediately due and payable without notice of any kind to Buyer. In addition to its right of acceleration, Seller may pursue any and all remedies allowed by law or in equity, including but not limited to any and all remedies available to it under the Delaware Uniform Commercial Code. In addition to the foregoing, and not in limitation thereof, Seller shall have the right to set off any credits or amounts owed to Buyer against any amounts owed by Buyer to Seller.

18. Indemnification by Buyer. Buyer hereby agrees to indemnify, release, defend and hold harmless Seller, its directors, officers, employees, agents, representatives, successors, and assigns against any and all suits, actions or proceedings at law or in equity (including the costs, expenses and reasonable attorney's fees incurred in connection with the defense of any such matter) and from any and all claims demands, losses, judgments, damages, costs, expenses or liabilities, to any person whatsoever (including Buyer's and Seller's employees or any third party), or damage to any property (including Buyer's property) arising out of or in any way connected with the performance or the furnishing of Products under this agreement, regardless of whether any act, omission, negligence (including any act, omission or negligence, relating to the manufacture, design, repair, erection, service or installation of or warnings made or lack thereof with respect to any Products furnished hereunder) of Seller, its directors, officers, employees, agents, representatives, successors or assigns caused or contributed thereto. If Buyer fails to fulfill any of its obligations under this paragraph or this agreement, Buyer agrees to pay Seller all costs, expenses and attorney's fees incurred by Seller to establish or enforce Seller's rights. The provisions of this paragraph are in addition to any other rights or obligations set forth in this agreement.

19. Installation. Unless otherwise expressly agreed in writing, Buyer shall be solely responsible for the installation and erection of the Products purchased. Although Seller may in some cases provide a serviceman, data and drawings to aid Buyer with installation or start-up, Seller assumes no responsibility for proper installation or support of any Products when installed and disclaims any express or implied warranties with respect to such installation and support. Notwithstanding whether data and drawings are provided or a serviceman aids in the installation, Buyer shall indemnify and hold Seller harmless and at Seller's request, defend Seller from all claims, demands or legal proceedings (including the costs, expenses and reasonable attorney's fees incurred in connection with the defense of any such matter) which may be made or brought against Seller in connection with damage or personal injury arising out of said installation or start-up.

20. Force Majeure. Seller shall not be liable to Buyer or be deemed to be in breach of this agreement by reason of any delay in performing, or any failure to perform, any of Seller's obligations in relation to the Products if the delay or failure was due to any cause beyond the reasonable control of Seller including (without limitation) strike, lockout, riot, civil commotion, fire, accident, explosion, tempest, act of God, war, epidemic, stoppage of transport, terrorist activity, supply shortage or changes in government, governmental agency, laws, regulations or administrative practices.

21. Anti-Corruption; Export Controls; No Boycotts. Buyer agrees that it shall, and that any party retained or paid by the Buyer ("Retained Party") shall, comply with all applicable laws including, but not limited to, laws prohibiting public corruption and commercial bribery. Buyer further agrees that it shall, and that any Retained Party shall, comply with all applicable export controls, economic sanctions, embargoes and regulations regarding the export, re-export, shipment, distribution and/or sale of Products, technology, information or warranty related services. Buyer further agrees that it shall not, and any Retained Party shall not, export or re-export Products, technology, information or warranty related services directly or with its knowledge indirectly into Iran, Sudan, Cuba, Syria, North Korea, the Crimea Region of the Ukraine or Russia without Buyer first obtaining written approval from Seller. Failure to comply strictly with this section and all applicable laws, regulations and licensing/approval requirements shall be grounds for immediate termination of this agreement by Seller. Notwithstanding anything to the contrary contained in any agreement between the Buyer and Seller or in any other document or agreement relating to the Products sold hereunder, Seller will not comply with requests related to the boycott of any country or other jurisdiction, except to the extent such boycott is required by or otherwise not inconsistent with United States law.

22. Telematics. If a telematics system is included with the Equipment, the telematics system is administered by a third party ("Teleservice Provider") and collects a range of operational data about the Equipment including, but not limited to, usage, performance and reliability. Buyer consents to Seller's obtaining such data from the Teleservice Provider for warranty, product improvement, marketing and customer support purposes and to Seller's management and reporting of data (personal and non-personal) about the Equipment including, but not limited to, fuel consumption, up/down times, operation, defects, parts replacement, movement and location. Buyer shall, to the extent required by applicable law, obtain consent from its customers and/or any third party for Seller and/or third parties to provide teleservices and data to Buyer. Buyer shall

comply with all applicable laws relating to the provision of teleservices. Buyer agrees to be bound by the current version of the Terex Telematics Terms of Use at <https://www.terex.com/en/products/telematics-tou>.

23. Construction and Severability. These Terms and Conditions of Sale constitute the entire agreement between the parties regarding the subject matter hereof and shall be construed and enforced in accordance with the laws of Delaware. The United Nations Convention on Contracts for the International Sale of Goods (1980) (CISG) shall not apply. The invalidity or unenforceability of any provisions of this agreement shall not affect any other provision and this agreement shall be construed in all respects as if such invalid or unenforceable provision were omitted.

24. Jurisdiction. The parties agree that the proper and exclusive forum and venue in all legal actions brought to enforce or construe any provisions herein shall be in United States District Court, District of Delaware or, if federal jurisdiction is lacking in such action, in New Castle County Superior Court in Delaware.

25. No Assignment. No rights arising under this agreement may be assigned by the Buyer unless expressly agreed to in writing by the Seller.

26. No Set-off. Buyer shall have no right to set-off any amounts it may owe Seller against amounts Seller may owe Buyer under this or any other agreement between Buyer and Seller.

27. Miscellaneous. Buyer represents that: (i) it is solvent and has the financial ability to pay for the Equipment and Parts purchased hereunder and (ii) it has all requisite right, power and authority to perform its obligations under this agreement.

Buyer's Initials: _____



LIMITED PRODUCT WARRANTY

TEREX Utilities, Inc. and TEREX South Dakota, Inc. (each a "Seller"), as to the equipment manufactured by each respective company, warrants its new equipment and parts manufactured and sold worldwide to be free, under normal use and service, of any defects in manufacture or materials for a period of **12 months from date of delivery to the first end user, but in no event longer than 18 months from date of shipment from the factory**; provided that (1) Seller receives written notice of the defect within thirty (30) days of its discovery and Buyer establishes that (i) the equipment has been maintained and operated within the limits of rated and normal usage; and (ii) the defect did not result in any manner from the intentional or negligent action or inaction by Buyer, its agents or employees, and (2) a new machine registration certificate has been completed and received by Seller within thirty (30) days of the equipment's "in-service" date. If requested by Seller, Buyer must return the defective equipment to Seller's manufacturing facility, or other location designated by Seller, for inspection, and if Buyer cannot establish that conditions (1) (i) and (1) (ii) above have been met, then this warranty shall not cover the alleged defect.

Seller's obligation and liability under this warranty is expressly limited to, at Seller's sole option, repairing or replacing, with new or remanufactured parts or components, any part which appears to Seller upon inspection to have been defective in material or workmanship. Such parts shall be provided at no cost to the owner, FOB Seller's parts facility (Incoterms 2010). If requested by Seller, components or parts for which a warranty claim is made shall be returned to Seller at a location designated by Seller. All components and parts replaced under this warranty become the property of Seller. This warranty shall be null and void if parts (including wear parts) or attachments other than genuine OEM Seller parts or approved attachments are used in or attached to the equipment.

Accessories, assemblies and components included in Seller's equipment, which are not manufactured by Seller, are subject to the warranty of their respective manufacturers. Normal maintenance, adjustments, or maintenance/wear parts, are not covered by this warranty and are the sole maintenance responsibility of Buyer.

The following structural members have a lifetime parts only warranty for the original Buyer after date of shipment from Seller: sub frame, pedestal, turntable, and boom. Replacement of fiberglass jibs, seals, gaskets, hoses, and exterior coating is not covered under the lifetime warranty. The lifetime warranty requires an annual service inspection of the equipment by an authorized distributor of Seller. The sub frame, pedestal, turntable, and boom shall have a 5 year parts only warranty if the annual service inspection is performed by an approved entity other than an authorized distributor of Seller. All replacement parts must be genuine OEM Seller parts.

SELLER MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AS TO THE EQUIPMENT AND PARTS IT SUPPLIES.

No employee or representative of Seller is authorized to modify this warranty unless such modification is made in writing and signed by an authorized officer of Seller. Seller's warranty is continuous for the stated period, and "stopping and restarting" such period is not permitted.

Seller's obligation under this warranty shall not include duty, taxes, environmental fees, including without limitation, disposal or handling of tires, batteries, petrochemical items, or any other charges whatsoever. Seller shall not be liable for indirect, incidental, or consequential damages, even if advised of the possibility of such damages.

Improper maintenance, improper use, abuse, improper storage, operation beyond rated capacity, operation after discovery of defective or worn parts, accident, sabotage or alteration or repair of the equipment by persons not authorized by Seller shall render this warranty null and void. Seller reserves the right to inspect the installation of the product and review maintenance procedures to determine if the failure is covered under this warranty.

Parts Warranty: Seller warrants the parts ordered from the Seller to be free of defects in materials or workmanship for either (1) a period of 12 months after date of shipment from the factory, or (2) the balance of the remaining new equipment warranty, whichever occurs first. With respect to parts ordered from Seller for equipment for which the warranty has expired, Seller warrants such parts to be free of defects in materials or workmanship for a period of 12 months after date of shipment from the factory.

NO TRANSFERABILITY OF WARRANTY: This warranty is limited to the original purchaser or original end-user if sold to a distributor, and is not assignable or otherwise transferable without the written agreement of Seller.

ITEMS NOT COVERED BY WARRANTY

The following listed items, which are not exhaustive, are **NOT** covered under this warranty:

1. Items sold by any individual, corporation, partnership or any other organization or legal entity that is not authorized by Seller to distribute its equipment.
2. Inbound freight, duty and taxes for replacement components or outbound freight, duty, and taxes for any part requested as a warranty return.
3. Components which are not manufactured by Seller or its affiliates. Such components may include, but are not limited to, chassis, engines, batteries, tires, customer-supplied products, transmissions, air compressors, and axles.
4. Replacement of a complete assembly that is field repairable by the replacement or repair of defective part(s) within the assembly. Seller has the option to repair or replace any defective part or assembly.
5. Wear parts and maintenance services including, but not limited to: lamps, lenses, seals, gaskets, hoses, filters, breathers, belts, nozzles, friction plates, glass, clutch and brake linings, wire rope, nuts and fittings, exterior coatings, proper tightening of bolts, adding or replacing of fluids, adjustments of any kind, services, inspections, diagnostic time, travel time and supplies such as hand cleaners, towels and lubricants.
6. Damage caused by carrier handling. Any such claim for damage should be filed immediately with the respective carrier.
7. Repairs, work required or parts exposed as the result of age, storage, weathering, lack of use, demonstration use, or use for transportation of corrosive chemicals.
8. Damage resulting to the equipment or parts should the owner or operator continue to operate the equipment after it has been noted that a failure has occurred.
9. Damage caused by, or labor or other costs related to, work performed by personnel not authorized by Seller to service the equipment.

IN NO EVENT SHALL SELLER, OR ANY AFFILIATE, SUBSIDIARY OR DIVISION THEREOF BE LIABLE FOR INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES RESULTING FROM ANY BREACH OF WARRANTY, REPRESENTATION OR CONDITION, EXPRESS OR IMPLIED, OR ANY TERMS OF THIS WARRANTY, OR ANY BREACH OF ANY DUTY OR OBLIGATION IMPOSED BY STATUTE, CONTRACT, TORT, COMMON LAW OR OTHERWISE (WHETHER OR NOT CAUSED BY THE NEGLIGENCE OF THE SELLER, ITS EMPLOYEES, AGENTS OR OTHERWISE), INCLUDING, WITHOUT LIMITATION, LOSS OF USE, LOST PROFITS OR REVENUES, LABOR OR EMPLOYMENT COSTS, LOSS OF USE OF OTHER EQUIPMENT, DOWNTIME OR HIRE CHARGES, THIRD PARTY REPAIRS, IMPROPER PERFORMANCE OR WORK, LOSS OF SERVICE OF PERSONNEL, LOSS OF CONTRACTOR OPPORTUNITY AND PENALTIES OF ANY KIND, PERSONAL INJURY, EMOTIONAL OR MENTAL DISTRESS, OR FAILURE OF EQUIPMENT TO COMPLY WITH ANY APPLICABLE LAWS. The Seller's liability to the Buyer shall not in any event exceed the purchase price of the equipment.

THIS WARRANTY IS EXPRESSLY IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, REPRESENTATIONS AND CONDITIONS, EXPRESS OR IMPLIED AND ALL OTHER STATUTORY, CONTRACTUAL, TORTIOUS AND COMMON LAW OBLIGATIONS OR LIABILITY ON SELLER'S PART ARE HEREBY EXPRESSLY EXCLUDED TO THE MAXIMUM EXTENT PERMITTED BY LAW. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE LIMITED WARRANTY CONTAINED HEREIN. Seller neither assumes nor authorizes any other person to assume for Seller any other liability in connection with the sale of Seller's equipment. In the event that any provision of this warranty is held unenforceable for any reason, the remaining provisions shall remain in full force and effect.



Terex Utilities, Inc.
3140 15th Ave SE, Watertown, SD 57201
Phone: 605-882-4000 Fax: 605-882-1842

09/17/2021

CITY OF HIGH POINT
3524 TRIANGLE LAKE RD
HIGH POINT, NC 27261
Attention: GARY SMITH

Phone: (336)883-3598

Qty. Description

UNIT

- 1 One (1) new Terex Commander 5048 model hydraulic rotating digger derrick with a turntable winch.

Design Criteria:

- * Design criteria is in accordance with current industry and engineering standards applicable and accepted for structural and hydraulic design.
- * Meets ANSI/ASSE A10.31-2019.

Elevation:

- * From +80 degrees above horizontal to -20 degrees below horizontal.

Dual Lift Cylinders:

- * Double-acting cylinders with chrome plated rods and integral holding valves. Trapezoid mounting design offers greater boom support and stability providing less wear and longer life. Either cylinder can hold the rated lifting capacity of the derrick.

Steel Lower Boom:

- * The boom is a fabricated box utilizing high-strength steel plates.

Steel Intermediate Boom:

- * Fabricated box constructed of high strength steel. Powered by a double acting hydraulic cylinder equipped with integral holding valves on both extend and retract ports.

Fiberglass Hydraulic Upper Boom:

- * Capable of lifting the hydraulic capacity of the derrick in all positions.
- * Tested and rated for line voltage up to and including 46 KV AC.
- * Tapered non-metallic rollers mounted at the end of the intermediate boom support the fiberglass boom under load minimizing scratches and abrasions. The sides of the fiberglass boom are supported and guided by non-metallic rollers to reduce tracking.

Continuous And Unrestricted Rotation:

- * A hydraulic rotary manifold provides a rotating oil distribution system for continuous and unrestricted rotation.

Miscellaneous:

- * Relief valves to protect the derrick circuits and digger-winch circuits.
- * Hydraulic hoses are equipped with permanent type hose fittings.
- * A custom load chart stating actual lifting capacity considering all final options, chassis, body,

Qty. Description

outriggers, and other fixed equipment with capacity based on completed unit stability is included.

- * A boom-angle indicator and decal are mounted on each side of the lower boom.
- * All metallic components of the complete digger derrick device are prime painted.
- * Two complete manuals providing operational and maintenance procedures, and a replacement parts listing.
- * Warning decals provided with unit.

Turntable Winch Including Transferable Pole Buddy Assembly:

* 15,000 lb. bare drum capacity worm gear winch equipped with hydraulic counterbalance valve mounted on the derrick turntable. Equipped with flanged pole buddy transferable from intermediate boom to upper boom.

*Note: For use of a synthetic rope on worm gear winch (wire rope not acceptable option).

Bare Boom Lift Capacities:

- * Boom Angle: All Booms Retracted
- * Maximum Elevation 37130 lbs.
- * 10 Ft. Radius 15350 lbs.

Work Zone Capacities:

- Median Digging Radius 21.9 ft.
- Digging Capacity at Median Radius 3616 lbs.
- Lift Capacity at Median Radius 5743 lbs.

Sheave Height:

- * With intermediate boom extended, 39.7 ft. at maximum elevation.
- * With upper boom extended, 48.6 ft. at maximum elevation.
- * Dimensions are based on a 40" chassis frame height.

Load Radius:

- * 30.1 ft. from C/L of rotation, at 0 degree, intermediate boom extended.
- * 39.1 ft. from C/L of rotation, at 0 degree, upper boom extended.

1 RH Command Post:

- * Glycerin filled pressure gauge is provided to monitor system pressure.
- * Permanent type control decals are provided.
- * Adjustable cushioned operator seat is provided as standard and includes side rails.
- * Hydraulic foot throttle.
- * Includes a control and horn.

1 Operator LED light at controls at command post/console.

1 Pole Guide and Interlock For Transferable Pole Buddy:

- * Hydraulic cylinders equipped with holding valves operate the tilt and open/close on pole guide arms.
- * Pole guide hoses are contained in a chain type carrier, installed on the side of the boom.
- * Transfers from the end of the intermediate boom to the end of the upper boom and vice versa.
- * The pole guide is installed on the transferable pole buddy flange assembly.
- * Protects both the pole guide and the boom from accidental damage caused by extending the upper boom while the pole guide is on the intermediate boom and tilted downward. Includes actuating plunger and two poppet valves.

Qty. Description

- 1 Pole Claw Arms:
 - *Unique circular design of arms that handle poles up to 23 inch diameter.
- 1 Exclusive Single Stick T" Control:
 - * Control allows one hand to operate three functions: rotation, boom elevation, and intermediate boom extension.
 - * Upper boom extension and other functions have individual controls.
- 1 RH Upper Controls For Rotation, Boom Elevation, Sequential Extension Of Intermediate Boom And Fiberglass Upper Boom:
 - * The control functions are full pressure, full flow, all hydraulic and incorporate individual control levers for each function. This allows individual or multiple boom function operation.
 - * Each boom function control level has an unlocking or enabling device to activate before use. All other controls will be nonmetallic lever.
 - * Includes hydraulic stop valve to stop all upper control functions.
 - * A properly maintained, fully extended fiberglass upper boom, with winch rope removed will prevent current flow from the boom tip to the vehicle and earth ground.
 - * The upper control boom extend function causes the fiberglass upper boom to extend first and then the intermediate boom. On retraction, the intermediate boom retracts first followed by the fiberglass upper boom.
 - * NOTE: ANSI/ASSE A10.31-2019; Upper controls are required when a digger derrick is equipped with a platform to work on structures or equipment with energized lines.
- 1 Insulated Engine Stop / Start:
 - * Controlled from platform
- 1 Insulated Engine Throttle Advance At Platform:
 - * Operable from the platform.
- 1 Auxiliary Pump:
 - * Allows the operation of any function for a time period limited by battery life.
 - *Includes 12 volt electric motor for use on a 12 volt chassis.
 - Note: This includes a switch for activation at lower & upper controls for electric or air function.
 - Note: Do not use with Radio Controls.
- 1 Hydraulic Tool Power At Platform.
 - * Hydraulic tool power at the platform designed to operate open center hydraulic tools only at engine idle speed.
- 1 Single Platform Shaft Application:
 - Adjustable band type brake with fiberglass locking handle, horizontal storage feature, necessary sleeve, pin and keeper for attaching to the sheave head.
- 1 Fiberglass Platform 24" x 24" x 42" Deep:
 - * Fiberglass platforms complete with inside/outside step with slip-resistant surface.
 - * Rated capacity of 300-lbs.
- 1 A safety harness with lanyard is provided for fall arrest.
- 1 Insulated Platform Liner For 24" x 24" x 42" Platform:
 - * Tested at 50 KV AC.

Qty. Description

- 1 Vinyl Platform Cover For 24" x 24" Platform:
 - * Waterproof with internal elastic cord around edge.

 - ** ALTERED FROM STANDARD **
- 1 Extend top controls to end of short 4th (required when ordering 50-0164 or 50-0161 with short 4th manual fiberglass)

- 1 Load Moment Limiter (Hydraulic Overload Protection) for Boom system:
 - * An Operator aid to prevent damage to the derrick by stopping selected functions if an over load occurs. The functions necessary to eliminate the overload condition remain operational, to relieve the cause of overload.
 - * Disables boom down, boom extend, winch up, and digger dig when boom lift senses an overloaded condition.
 - * The system is fully automatic relative to the operation and re-set functions.

Pressure Gauge with Color Zone Ring for Load Moment Limiter:

 - * A indicator gauge which provides an indicator when approaching maximum capacity.

- 1 Planetary Slip Rotation:
 - oPlanetary gear drive rotation with spring applied hydraulically released parking brake and reversible hydraulic motor with integral hydraulic braking capability. The slip drive releases the brake when rotating, winching, and digging.
 - oOffers side load protection when winching and digging only.

- 1 X-Boost Option:
 - *Optional capacity control system for increased lifting capability at higher boom angles to meet customer specifications for 10' capacities.
 - *Increases capacities an average of 17% on C4000 Series Digger Derrick.
 - *Includes: Electric collector ring, wiring harness and XDPS component.

- 1 Customer Declined, Anti-Two Block.
 - * Purchaser is aware of OSHA Crane and Derrick standard, subpart CC for construction (1926.1416).

- 1 12,000 ft-lb Two Speed Digger With Hydraulic Shift (ESK 76BA):
 - * Planetary gear drive powered by reversible hydraulic motor.
 - * Telescopic trombone tube is provided to shift the two-speed digger hydraulically.

- 1 LH Auger Storage and Digger Hanger:
 - * Digger hanger bracket is box section and is equipped with a transfer protection system, auger stowage bracket with self latching auger catch and hydraulic auger release.
 - * The auger stowage bracket stores up to a 24" diameter auger, in the standard position.
 - * Digger storage protection system to protect the auger storage cable from damage caused by over-winding. Oil from the digger system is returned to tank before the cable is over-stressed.

- 1 Nylon 1" flat webbing strap for auger roll-up.

- 1 Solid Hex Auger Shaft with Coupler:
 - * 60" long x 2-5/8" hex auger shaft with auger adjustment holes.

Qty. Description

- 1 Terex Texoma 18" BTA (bullet tooth auger) x 104" long - 60" of 1/2" upper & 1" lower flighting, 2 5/8" hex bushing. Rollup dish and cable pin welded in place and auger painted Terex Red.
- 1 Pedestal:
 - * Square constructed pedestal has access holes for maintenance of hydraulic plumbing.
 - ** ALTERED FROM STANDARD **
- 1 .
- 1 Pump For Use (Required Approximate 120% PTO):
Tandem vane high efficiency 3000 psi rated hydraulic pump providing 40 gallons per minute combined flow.
 - * Provides 16 gallons per minute to boom functions and 24 gallons per minute to digger/winch functions and combines flow when boom is not in operation providing 40 gallons per minute to digger/winch at 1600 rpm engine speed, boom extension is faster than winch.
 - * Provides up to 6 gallons per minute for tools at 700 rpm engine speed.
 - *Includes pump kit.
 - FOR GENERAL ONLY: With the use of Radio Controls.
- 1 Hydraulic Reservoir:
50 gallon hydraulic oil reservoir includes 10 micron replaceable cartridge type return line filter mounted in reservoir with bypass valve incorporated in filter to prevent restricted flow.
 - * A 100 mesh in screen in filter cap. A 40 mesh screen included in tank outlet and a 2 1/2" full flow ball type shut off valve.
 - * Relief valves to protect the derrick circuits and digger-winch circuits.
- 1 Extra Heavy Duty A-Frame Outriggers with swivel type stabilizer pads. (8348)
- 1 Extra Heavy Duty A-Frame Outriggers with swivel type stabilizer pads. (8348)
- 1 Controls For 2-Sets Of Outriggers And Auxiliary Tool Outlets Below Rotation (Diggers):
 - * Recessed at rear of truck each side for ease of view for outrigger placement.
 - * Includes switches and alarm for outrigger in motion alarm.
- 1 High Pressure code to obtain 3000 psi at outriggers.
Note - this is on A-frames and Radial outriggers for Digger Derricks.
- 1 Adjustable flow divider for auxiliary tool outlets below rotation.
- 1 Outrigger Interlock:
 - * To operate the boom the outriggers must be extended.
- 1 Subframe constructed with an open center.
- 1 Tie down kit.
- 1 Remote Sensor Bracket:
 - * Bracket to be used with the Williams remote sensor. Installed to supply sensor to work with truck engine.

Qty. Description

- 1 Terex Advanced Chassis Controller:
 - * Multiplexed system to include: Controller, LCD Screen, Manual and Schematics.
 - * Standard Options: Diagnostics, Status Screens, Event Log, Hours Meter, Selectable Button Labels, System Alerts and System Test.
 - * Programmable settings allow installer to customize/select options need for their application.
 - * Back-up Camera ready.
 - * Screw terminal-type connections and enclosure to cover connections.
 - * Recommended on Class 6 and above chassis with multiple outputs
 - * The PTO hour is standard. The engine hour meter is standard (When available). This is a message we get from the truck Data link. All trucks except Ford give us the Engine hours. So if it's a Ford, we just display PTO hours.

- 1 American flag displayed on unit.

- 1 Factory Warranty

- 1 Clevis for two part line attachment.
 - ** ALTERED FROM STANDARD **
- 1 The short 4th Manual Fiberglass extension
 - *Increases effective sheave height and reach by approximately 4 ft.
 - *Includes rectangular manual fiberglass that retracts back inside the upper boom.

- BODY, INSTALLATION
 - ** BODY INFORMATION **
- 1 162-inch Steel Line Body & Accessories per attached specification.

- 1 Install Derrick Over Rear Axle And Install All Associated Components:
 - * Final test and inspect completed unit including stability and dielectric testing per manufacturers requirements.

- 1 Hose and fittings to connect the hydraulic system from the oil reservoir to the pump and unit.

- 1 Need to install unit and accessories to achieve lowest possible travel height. (Under 13-ft)
 - *Reference DK 66708

- 1 Power take off with indicator light for automatic transmission.

- 1 DOT Inspection.

- 1 Set chassis parameters.

- 1 Back-up alarm to sound when the vehicle is shifted into reverse.

Qty. Description

- 4 24" x 24" x 1" poly outrigger pads.
* Includes outrigger pad storage.
- 2 Rubber wheel chocks with eye bolt.
- 1 Igloo 5 gallon plastic water cask.
- 1 Mounting bracket for water cask for exterior mounting.

Install on street side of tailshelf (directly behind compartments). The spigot should pay out to the street side.
*It s OK for the cask to block the access of the hot stick door.
- 2 Cone holder bracket, hoop shape type to be welded on a front bumper.

Install off front bumper.
- 1 Wire coil T-style storage bracket.

Install on rear curbside of the compartments. Center of the cross bar should be approx. 12-inches above the tailshelf floor.
*Bracket to be designed to hold a 12-inch diameter reel w/ holes cut for locking.
- 1 Grab handles as necessary for 3-point contact.

Bolt-on Grab Handles
- 2 Cable type gripstrut stirrup step.
- 1 30-inch wide rubber belt/gripstrut side access step.
Terex PN - 65380101
- 1 Access step mounted on floor of the body to access the top of body compartment or access platform.
- 2 Mud flap with logo 30" tall.
Note: Trim As-Required.
- 1 Under body mounting kit for a pair of mud flaps.
- 1 Hannay spring rewind grounding reel.

Install CS of the hydraulic hose reel. Payout to be between the legs of the A-frame outriggers. Reference DK66708

Qty. Description

- 1 2/0 Black Electrical Cable used for grounding per ASTM F855-04:
 - * 50' of multi-strand flexible copper cable, three grounding lugs, two ferrules and grounding clamp.
 - * Three point grounding system for grounding vehicle during work operations.
 - * Cable must be fully removed from bracket before use.NOTE! Purchaser to verify this meets their company's requirements for fault current.

- 4 Buyers Products B40, D-ring tie down rated for 6000# safe working.
 - Install (2) on the front face of the pedestal 36-inches from floor
 - Install (2) on the rear outrigger legs accessible from ground.
 - *Reference DK66708

- 1 Cab guard constructed of tubing and heavy duty expanded metal.
 - Note: Consists of cab guard, rear module, and gussets.
 - Note -Must have either a front bumper winch or channel bumper required for mounting.

- 1 Dirp tray to be installed under the digger motor w/ a drain tube running between the back of the cab and the front of the body (accessible from ground).
 - Terex PN - 104493

- 1 Vertical platform storage in cargo area.
 - Locate behind the boom rest - as far to the street side as possible.

- 1 Add junk storage with drain holes between the frame rails. Reference DK66708
 - *The possum belly stop will need to start at the end of the recess of the bottom plate of the subframe.

- 1 Boom rest for Digger Derrick, H-frame style weldment used on A-frame, Radials or Out/Down outriggers, 36" wide.

- 1 Front pole carrier kit bunk style with a ratchet with 2" wide webbing tie down strap to secure pole and pole bunk arm weldment.
 - Pole Carrier to be adjustable.

- 1 Rear pole carrier w/ fold-down uprights.
 - Front carrier uprights to drop down.
 - 4-inch ratchet straps to be supplied in lieu of cable tie-downs and starts to be accessible from ground.
 - Terex PN-65376937 / Reference DK66708
 - *Ensure sufficient weld on pole carrier to prevent failure during normal

Qty. Description

use. Reinforce if necessary.

- 1 Digger Derrick dual position boom rest saddle.
- 1 35-inch winch bar (w/ storage tube) for pole carrier tie downs.
*Install between the cab and body on the street side.
- 1 Peterson LED 7-lamp DOT Lighting Package:
* Complies with FMVSS 108.
* Includes required lights, junction box and wiring harness.
- 1 Lighted license plate bracket kit with LED light.
- 1 110 volt outlet with GFI.

Install under the streetside of the tailshelf skirt and should be horizontal and up against the back of the vertical compartment.
- 1 Dimensions 3000N inverter, 3000W continuous, 120VAC, Up to 25A.

Install in inverter box on the streetside 1st vertical. Inverter to be controlled by a switch in the cab and be ignition hot.
- 2 Inverter Spacer Tube
- 1 Install an indicator light on the back side of the inverter box similar to DK66708. The light should be visible from the ground on the streetside of the truck.
Terex PN - 86199
- 1 Install a surge protector under the inverter box.
Terex PN - 65346176
- 2 Amber strobe light (LED) with 4" tall & 6" dia. lens, and branch guard.
- 1 Whelen 4 corner LED, Amber Strobe Light Kit with 4" grommets.
*Wired into On/Off switch in cab.
- 1 Strobe and Golight mounting bracket weldment.
- 2 Cab guard strobe mounting.
- 1 Golight 20004 LED spotlight, hand held remote and white in color.

Qty. Description

Install off boom rest - curbside

*To be removable

- 2 Betts LED lights - install (1) off the boom rest towards the bed and (1) off the rear of the pedestal.
Terex PN - 65322529
- 1 4-inch round clear LED cargo light - install in the CS access area wired into the compartment lights.
Terex PN - 94899
- 2 Trucklite LED Lights - install at rear of truck (1) on each side of the ICC bumper. Lights to be wired into reverse lights.
Terex PN - 65380436
- 1 Tekonsha Voyager electric brake control.
- 1 Remote engine stop/start And two speed control from rear of vehicle.
- 1 15 ton pintle hook:
* Safety chain eyes.
"Pintle hook brackets and attachment methods are designed to meet the associated pintle hook ratings. They are not designed for recovery purposes. If recovery attachments are required, please order the appropriate tow eyes."

Install @ 25-inch (+/- 1-inch) from throat to ground
- 1 ICC rear bumper.
- 1 7-blade trailer socket. (RV style)
- 1 Oil tank mounting for external reservoirs.

*Install so that the suction is on the curbside and the filler is on the street side to ensure that the door of the inverter box does not come into contact with the filter.
- 70 Fill with Hydraulic oil for general purpose use.
* Refer to the product maintenance manual for specific type to be used.
- 1 1 1/8" x 150' Samson, 2-IN-1 Stable Braid uncoated rope.
- 1 Nylite spool, shield and shackle, #4, orange.

Qty. Description

- 1 Gunnebo Johnson 7JH swivel hook.
- 1 Removable Platform rest for Digger Derrick pinned on the Steel Intermediate Boom:
Note: Not available on General.
- 1 Hannay spring loaded hydraulic hose reel with 4-way roller assembly.
 - * 50' of 1/2" Hose Set.
 - * Quick disconnect HTMA male and female flush faced couplers and dust covers.
 - * Installed on hose reel with ball stop.

Install behind the pedestal just off center towards the street side. To pay out between the outrigger legs.
- 1 Pole puller storage bracket with tie down strap.

Install under the curbside of the tailshelf. It should run alongside the body compartments from the outside of the body to the chassis frame. Install angled downward to aid in retention.
- 1 Stanley TA54103 Hydraulic Pole Tamper:
 - * Kidney Foot.
 - * 71" L with hose end valve.
 - * Reversible on/off valve for open or closed center systems.
- 1 8' of non-conductive hose with couplers.
- 1 Safety Kit consists of the following:
 - *10-lb ABC fire extinguisher with the use of 0092099 bracket.
 - *James King triangle reflector kit.

Install fire extinguisher to the front outrigger.
- 1 Rear view vision 2.5" round red marker light camera & 5" monitor system.

Install screen where backup camera would normally be.
- 1 Braden PD18C-11DBFEB Hydraulic Single Speed, Front Mounted Bumper Winch Assembly Including:
 - * 20,000-lb rated capacity.
 - * Extended shaft to curb side for take-up reel.
 - * Four way roller assembly.
 - * Tool Box
 - * Tow Angle
 - * Miscellaneous hose and fittings.

NOTE: Requires a larger hydraulic tank on the Unit Model, if internal tank will require external tank.

Qty. Description

1 175-feet of 9/16-inch Purple Plasma 12 Strand Rope - one end with an eye and the other with a tapered end. *Ship Loose
Terex PN - 65379183

1 Winch control installed at front bumper and in-cab.

In-cab controls should be located just to the curb side of the driver seat.

1 Shackle 1" with 10 ton capacity.

1 Paint C5000 derrick one color.

1 Paint front winch one color.

1 Paint body floor with non-skid paint.

1 Paint compartment top with non-skid paint.

3 Paint box/basket one color.

1 Paint cab guard one color.

* Note: specify color

Black

CHASSIS

** CHASSIS INFORMATION **

1 Current Model Year Freightliner M2106 4x2 Chassis per attached specifications.

SPECIAL CHARGES

1 Delivery to Customer.

Qty. Description

OPTIONS:

ADD

1. Federal Excise Tax will be added if certificate is not supplied with order.
2. The following items must be considered by the purchaser if not already included:
Back-up Alarm \$150.00; Strobe Light \$525.00; Wheel Chocks \$110.00;
Outrigger Pads \$200.00 to \$650.00 (based on pad size & type); Truck Grounding Cable \$550.00;
Barricade Kit \$895.00; Hydraulic Over Load Protection (derrick only, price will vary
based on final option selection); Boom / Boom Stow Interlock \$700.00; Engine Stop / Start
\$200.00 to \$795.00 (based on unit model); Auxiliary Let Down \$1500.00; and Platform
Liner \$380.00 to \$625.00 (based on platform size).
3. Terex Utilities, Inc. strongly recommends all installation accessories be located up front in
front in the quote or secondarily on the approved engineering drawing. Any accessories located
or relocated during manufacturing may be subject to additional charges.
4. Terex Utilities, Inc. - Assembly in Watertown, South Dakota is ISO 9001:2000 Certified.

Quotation Number	14154		
For the attention of	Nathan Weber	Name	
		Telephone	
Customer:	Terex City of High Point	Date	12/5/2022

DESCRIPTION

162" Line Body 46 inches high X 94 inches wide.

- 18 Inch compartment depth.
- 58 Inch bed area.
- 28 Inch top of floor to top of body.
- 24 Inch horizontal compartment height.
- 12. Ga Treadplate Wheel wells.
- 16 Ga. Galvanneal body materials.
- 12 Ga. Hot rolled treadplate floor.
- 12 Ga. Hot rolled treadplate compartment tops.
- Stainless Steel Automotive rotary type door latches.
- Stainless steel rod and socket type door hinges.
- Chain stops on all doors.
- Double Panel Body Doors.
- Rubber rolled crown type fenders. **(Ship Loose)**
- Master door lock system.
- One (1) - 4" Round white LED light, flush mounted in Step area, wired to compartment lights.
- LED Rope light compartment lights in all body compartments with Weather Pack Connectors.
- * Does not include Boxes or Tailshelf Compartments
- * Rope Lights Ship Loose.
- Automotive Bulb Type Weatherstripping. **(Ship Loose)**
- Front bulk head. **(Bolt-On)**
- Shelving / Hooks installed on Dual Uni-Strut for infinite adjustment.

Streetside Compartmentation:

1st Vertical:

- 24 Inches wide with Five (5) fixed material hooks 1-3-1.
- One (1) adjustable shelf with a 1" Lip.

2nd Vertical:

- 30 Inches wide with Two (2) shelves each with 5 adjustable dividers.

3rd Vertical:

30 Inches wide with Two (2) shelves each with 5 adjustable dividers.

Horizontal:

54 Inch open compartment.

Eight (8) Adjustable dividers installed in compartment bottom.

Rear Vertical:

24 Inches wide with Five (5) fixed material hooks 1-3-1.

Hotstick Shelf:

162 Inches long with rear dropdown access door.

Curbside Compartmentation:

1st Vertical:

24 Inches wide with Five (5) fixed material hooks 1-3-1.

2nd Vertical:

30 Inch wide Lift-up access steps to bed area.

* Access steps include Gas Cylinders and Two (2) Vents

3rd Vertical:

30 Inches wide with Four (4) - 4" Deep material drawers.

Drawers each include a latch and are mounted on Roller Bearing Slides.

One shelf installed on top of drawer set.

Adjustable dividers installed in each drawer on 6" centers.

Horizontal:

54 Inches wide with One (1) plain shelf

Eight (8) Adjustable dividers installed in compartment bottom.

Rear Vertical:

24 Inches wide with Five (5) fixed material hooks 1-3-1.

Subframe Installation:

Install customer supplied subframe, with outriggers.

* Standard A-Frame Jacks

Subframe is to be Bolted to Body - Do Not Weld to Sub Frame

* Subframe and O/R's will be wet painted Black

* Grounding Bracket to be welded to Subframe at rear of truck and body

* Provide "Bolt In" style Filler Plate between Rear Jacks (IF Required)

* Round cutout in top and bottom of subframe.

Possum Belly Storage:

Possum belly access with drop down door at rear.

* Notch door for Tamp storage.

Spoon and Banjo storage in addition to Possum belly, Punched metal bottom

Stop for installing in Possum belly at 123 Inches - starting after spoon & banjo storage.

Install Hose tunnel in Terex supplied subframe.

Stringer style body mounting includes the following:

B&G Bodies to Provide boom rest.

Welding on B&G supplied body Mounting Angles

Tailshelf:

Treadplate tailshelf 36 inches long X Full Width x 6 inches high with

7-Lamp light bar installed at rear.

Wheel Chock Storage:

Two each side built into body wheelwells.

Inverter Box: (Ship Loose)

One (1) - 24" long X 24" high X 18" wide with dropdown side access door.

* Equipped with One (1) Fixed shelf.

* Compartment to be Vented (1)

Curbside Top Mounted Box: (Ship Loose)

One (1) - 78" long X 12" high X 18" wide with rear dropdown access door.

* Compartment to be Vented (1)

Punched Metal Basket: (Ship Loose)

One (1) - 107" long X 10" high X 18" wide.

Six (6) Swivel Hooks evenly spaced installed on side of basket.

Sign Box: (Ship Loose)

One (1) - 10" long X 10" high X 12" wide.

Ground Rod Storage Tube: (Ship Loose)

One (1) - 24" long X 8" round tube.

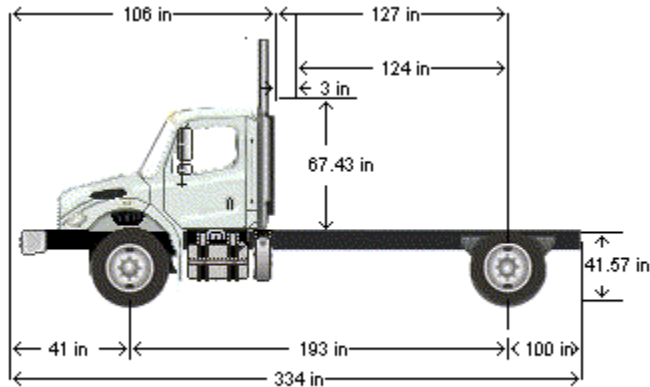
Powder Coat Body:

Powder Coat Body and Inside of compartments Taffeta White.

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DIMENSIONS



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model	M2106
Wheelbase (545)	4900MM (193 INCH) WHEELBASE
Rear Frame Overhang (552)	2550MM (100 INCH) REAR FRAME OVERHANG
Fifth Wheel (578)	NO FIFTH WHEEL
Mounting Location (577)	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in)	0
Maximum Rearward Position (in)	0
Amount of Slide Travel (in)	0
Slide Increment (in)	0
Desired Slide Position (in)	0.0
Cab Size (829)	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Sleeper (682)	NO SLEEPER BOX/SLEEPER CAB
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

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TABLE SUMMARY - DIMENSIONS

Dimensions	Inches
Bumper to Back of Cab (BBC)	106.3
Bumper to Centerline of Front Axle (BA)	40.7
Front Axle to Back of Cab (AC)	65.6
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	127.4
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	124.4
Back of Cab Protrusions (Exhaust/Intake) (CP)	2.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	227.8
Cab Height (CH)	67.4
Wheelbase (WB)	192.9
Frame Overhang (OH)	100.4
Overall Frame Length	322.7
Overall Length (OAL)	334.1
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	41.6

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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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-27M	M2 PRL-27M (EFF:MY24 ORDERS)		
Data Version			
DRL-039	SPECPRO21 DATA RELEASE VER 039		
Vehicle Configuration			
001-172	M2 106 PLUS CONVENTIONAL CHASSIS	5,709	3,450
004-224	2025 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-008	TRAILER TOWING PROVISION AT END OF FRAME WITH SAE J560, WITHOUT END OF FRAME AIR CONNECTIONS	15	15
003-001	LH PRIMARY STEERING LOCATION		
General Service			
AA1-003	TRUCK/TRAILER CONFIGURATION		
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE		
A84-1UT	UTILITY BUSINESS SEGMENT		
AA4-011	FIXED LOAD COMMODITY		
AA5-006	TERRAIN/DUTY: 10% (SOME) OF THE TIME, IN TRANSIT, IS SPENT ON NON-PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-003	MAINTAINED GRAVEL OR CRUSHED ROCK - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-091	MEDIUM TRUCK WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 18000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 23000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 41000.0 lbs		

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Data Code	Description	Weight Front	Weight Rear
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 80000.0 lbs		
Truck Service			
AA3-006	UTILITY BODY		
AF3-2A5	TEREX		
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
Engine			
101-3BN	CUM L9 300 HP @ 2200 RPM; 2200 GOV RPM, 860 LB-FT @ 1200 RPM	640	30
Electronic Parameters			
79A-072	72 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79K-005	PTO MODE ENGINE RPM LIMIT - 900 RPM		
79M-001	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED		
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
79Q-002	PTO RPM WITH CRUISE RESUME SWITCH - 700 RPM		
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
79W-024	CRUISE CONTROL BUTTON PTO CONTROL		
79X-001	PTO SPEED 1 SETTING - 700 RPM		
80G-002	PTO MINIMUM RPM - 700		
80J-001	REGEN INHIBIT SPEED THRESHOLD - 0 MPH		
80S-013	PTO 1, C/F PTO, NO SWITCH, TEM SUPPLIED REQUEST, FEEDBACK AND INTERLOCKS, WITH PTO CONNECTIONS		
80T-013	PTO 2, C/F PTO, NO SWITCH, TEM SUPPLIED REQUEST, FEEDBACK AND INTERLOCKS, WITH PTO CONNECTIONS		
Engine Equipment			
99C-021	2010 EPA/CARB/GHG21 CONFIGURATION		
99D-010	NO 2008 CARB EMISSION CERTIFICATION		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER		

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Data Code	Description	Weight Front	Weight Rear
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-235	(2) DTNA GENUINE, FLOODED STARTING, MIN 2000CCA, 370RC, THREADED STUD BATTERIES	10	
290-017	BATTERY BOX FRAME MOUNTED		
* 281-008	STANDARD BATTERY JUMPERS WITH ADDITIONAL GROUND STUD MOUNTED 12 INCH AFT SPRING SHACKLE		
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
306-015	PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS		
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 ENGINE INTEGRAL BRAKE WITH VARIABLE GEOMETRY TURBO ON/OFF	20	
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
28F-015	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER AND DASH MOUNTED INHIBIT SWITCH		
239-026	10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		

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Data Code	Description	Weight Front	Weight Rear
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
242-011	ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD(S)		
273-058	AIR POWERED ON/OFF ENGINE FAN CLUTCH		
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		
266-013	1100 SQUARE INCH ALUMINUM RADIATOR	70	
103-037	ANTIFREEZE TO -60F, ETHYLENE GLYCOL PRE-CHARGED SCA HEAVY DUTY 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		
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		

Transmission

342-584	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60
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Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY 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		

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Data Code	Description	Weight Front	Weight Rear
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-017	S5 PERFORMANCE LIMITING PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84F-018	S7 ECONOMY LIMITING SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84G-014	2200 RPM PRIMARY MODE SHIFT SPEED		
84H-012	2000 RPM SECONDARY MODE SHIFT SPEED		
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		
84N-200	FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED		
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
353-075	QUICKFIT BODY LIGHTING CONNECTOR AT END OF FRAME, WITH CAP		
34C-011	ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR		
362-824	(2) CUSTOMER INSTALLED CHELSEA 280 SERIES PTO'S		
363-011	PTO MOUNTING, LH AND RH SIDES OF MAIN TRANSMISSION		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-078	HEAVY DUTY ELECTRONIC TRANSMISSION SHIFT CONTROL, COLUMN MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
346-013	TRANSMISSION OIL CHECK AND FILL WITH CROSSOVER TO CLEAR LH PTO AND DIRECT MOUNT PUMP		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

Front Axle and Equipment

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Data Code	Description	Weight Front	Weight Rear
400-1BA	DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	210	
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10	
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-001	CAST IRON OUTBOARD FRONT BRAKE DRUMS		
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		
40T-001	MINERAL SAE 80/90 FRONT AXLE LUBE		
Front Suspension			
620-013	18,000# TAPERLEAF FRONT SUSPENSION	200	
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
* 62H-012	FRONT SUSPENSION WITH LEFT HAND AND RIGHT HAND OFFSET SHACKLE BRACKETS		
410-001	FRONT SHOCK ABSORBERS		
Rear Axle and Equipment			
420-051	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE		180
421-538	5.38 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-011	SPL170 XL DANA SPICER MAIN DRIVELINE WITH HALF ROUND YOKES	5	5
452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20
878-018	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
87B-015	INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT SWITCH, ENGAGE <5 MPH, DISENGAGE >25 MPH		

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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		
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
440-006	REAR OIL SEALS		
426-100	WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		

Rear Suspension

622-1MJ	23,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER		110
621-001	SPRING SUSPENSION - NO AXLE SPACERS		
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		

Brake System

018-002	AIR BRAKE PACKAGE		
490-121	WABCO 4S/4M ABS WITH TRACTION CONTROL		
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		
480-088	WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER		
479-012	AIR DRYER MOUNTED UNDER HOOD		
460-001	STEEL AIR BRAKE RESERVOIRS		
477-004	PULL CABLES ON ALL AIR RESERVOIR(S)		

Trailer Connections

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Data Code	Description	Weight Front	Weight Rear
296-027	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE		
303-025	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
Wheelbase & Frame			
545-490	4900MM (193 INCH) WHEELBASE		
546-102	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	210	270
552-063	2550MM (100 INCH) REAR FRAME OVERHANG		
55W-009	FRAME OVERHANG RANGE: 91 INCH TO 100 INCH	-50	210
549-093	8 INCH BOLT ON FRONT FRAME EXTENSION	55	
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 127.36 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 124.36 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 322.7 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 91.8 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 75.01 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 REAR MOST CROSSMEMBER		
565-001	STANDARD SUSPENSION CROSSMEMBER		
Chassis Equipment			
556-997	OMIT FRONT BUMPER, CUSTOMER INSTALLED SPECIAL BUMPER, DOES NOT COMPLY WITH FMCSR 393.203	-60	
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
605-103	D15-28195-000 CENTER PUNCH TO MARK CENTERLINE OF REAR SUSPENSION ON TOP FLANGE OF FRAME		

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Data Code	Description	Weight Front	Weight Rear
607-001	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD		
Fuel Tanks			
204-215	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	20	
218-005	RECTANGULAR 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)		
122-1J1	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"	-5	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires			
093-1VM	MICHELIN X LINE ENERGY Z 315/80R22.5 20 PLY RADIAL FRONT TIRES	50	
094-0GK	MICHELIN XDN2 11R22.5 14 PLY RADIAL REAR TIRES		76
Hubs			
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
Wheels			
502-433	ACCURIDE 29039 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS	66	
505-657	ACCURIDE 51408 ACCU-LITE 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS		
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		

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Data Code	Description	Weight Front	Weight Rear
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
678-998	NO GRAB HANDLES		
646-023	HOOD MOUNTED CHROMED PLASTIC GRILLE		
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE		
644-004	FIBERGLASS HOOD		
727-1AF	SINGLE 14 INCH ROUND HADLEY AIR HORN UNDER LH DECK	4	
726-001	SINGLE ELECTRIC HORN		
728-001	SINGLE HORN SHIELD		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-038	INTEGRAL HEADLIGHT/MARKER ASSEMBLY WITH CHROME BEZEL		
302-047	LED AERODYNAMIC MARKER LIGHTS		
294-090	OMIT STOP/TAIL/BACKUP LIGHTS AND PROVIDE WIRING FOR COMBINED STOP/TURN LIGHTS TO FOUR FEET BEYOND END OF FRAME		-5
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-1BH	DUAL WEST COAST MOLDED-IN COLOR MIRRORS		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-1AP	LH AND RH 8 INCH MOLDED-IN COLOR CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
729-001	STANDARD SIDE/REAR REFLECTORS		
275-061	PARK BRAKE REMINDER WARNING SYSTEM		
768-043	63X14 INCH TINTED REAR WINDOW		
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
654-003	MANUAL DOOR WINDOW REGULATORS		
663-013	1-PIECE SOLAR GREEN GLASS WINDSHIELD		
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		

Cab Interior

055-019	RUGGED TRIM PACKAGE
707-107	GRAY & CARBON VINYL INTERIOR "RUGGED"
70K-020	CARBON WITH PREMIUM GUNMETAL ACCENT (RUGGED)
706-013	MOLDED PLASTIC DOOR PANEL

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Data Code	Description	Weight Front	Weight Rear
708-013	MOLDED PLASTIC DOOR PANEL		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-036	ASH CUP AND (1)LIGHTER,(1)12V POWER OUTLET		
691-001	FORWARD ROOF MOUNTED CONSOLE		
693-019	LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS		
738-021	DIGITAL ALARM CLOCK IN DRIVER DISPLAY		
742-007	(2) CUP HOLDERS LH AND RH DASH		
680-029	M2/SD DASH		
700-002	HEATER, DEFROSTER AND AIR CONDITIONER		
701-001	STANDARD HVAC DUCTING		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		
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		
324-1B2	PREMIUM LED CAB LIGHTING		
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
78G-002	KEY QUANTITY OF 2		
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		
756-338	BASIC ISRINGHAUSEN HIGH BACK AIR SUSPENSION DRIVERS SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
760-343	2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT, SEATS INC	20	
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
758-036	VINYL WITH VINYL INSERT DRIVER SEAT		
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT		
763-101	BLACK SEAT BELTS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	

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Data Code	Description	Weight Front	Weight Rear
540-070	4-SPOKE 18 INCH (450MM) LEATHER WRAPPED STEERING WHEEL WITH CHROME SWITCH BEZELS		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

81B-003	DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY		
732-998	NO INSTRUMENT PANEL-DRIVER		
734-023	CONFIGURABLE LOWER PANEL WITH INTEGRATED UPPER STORAGE		
87L-003	ENGINE REMOTE INTERFACE WITH PARK BRAKE AND NEUTRAL INTERLOCKS		
870-002	BRIGHT ARGENT FINISH GAUGE BEZELS		
486-006	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM WITH (1) ADDITIONAL PARK SWITCH FOR CUSTOMER USE		
840-001	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE		
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS		
149-015	ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-044	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-074	ENGINE REMOTE INTERFACE NOT CONFIGURED		
48H-001	QUICKFIT POWERTRAIN INTERFACE CONNECTOR LOCATED BETWEEN SEATS WITH CAPS		
* 4CG-004	4 EXTRA PROGRAMMABLE SWITCHES/INDICATORS		
	\$C1B0000ZZ,C1C0000ZZ,C1D0000ZZ,C1E0000ZZ		
48C-001	QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) BETWEEN SEATS WITH CAP		
163-014	ENGINE REMOTE INTERFACE CONNECTOR AT POWERTRAIN INTERFACE CONNECTOR		

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Data Code	Description	Weight Front	Weight Rear
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER		
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
372-123	PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
679-998	NO OVERHEAD INSTRUMENT PANEL		
35M-010	QUICKFIT PROGRAMMABLE INTERFACE MODULE	10	
746-137	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939	10	
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-008	AM/FM ANTENNA MOUNTED ON LH SIDE MIRROR		
74D-006	STANDARD RADIO WIRING WITH STEERING WHEEL CONTROLS		
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-1C8	DETROIT CONNECT PLATFORM HARDWARE		
8D1-303	3 YEARS DAIMLER CONNECTIVITY BASE PACKAGE (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT		
6TS-005	TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
4E1-003	4 SWITCH SLOTS, CENTER OVERHEAD CONSOLE		
81Y-006	PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS AND SERVICE BRAKES		
264-030	(1) OVERHEAD MOUNTED LANYARD CONTROL FOR DRIVER AIR HORN		

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Data Code	Description	Weight Front	Weight Rear
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
304-030	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS		
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-020	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT		
298-046	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY		

Design

065-000	PAINT: ONE SOLID COLOR		
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Color

980-5F6	CAB COLOR A: L0006EY WHITE ELITE EY		
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
963-003	STANDARD E COAT/UNDERCOATING		

Certification / Compliance

996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS		
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Secondary Factory Options

*	999-070	DEALER/CUSTOMER ADVISED THAT GVW AND/OR GCW ARE ABOVE CUMMINS GUIDELINES WHICH MAY LEAD TO BELOW AVERAGE VEHICLE PERFORMANCE AND ENGINE LIFE		
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Sales Programs

NO SALES PROGRAMS HAVE BEEN SELECTED

TOTAL VEHICLE SUMMARY

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Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight*	7523 lbs	4446 lbs	11969 lbs
Total Weight*	7523 lbs	4446 lbs	11969 lbs

Extended Warranty

WAG-074 TOWING: 1 YEAR/UNLIMITED MILES/KM EXTENDED TOWING
 COVERAGE \$750 CAP FEX APPLIES

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.