



CITY OF DOUGLAS WYOMING
Contract Documents & Specifications for a New
Cab, Chassis and Refuse Compaction Body

Douglas City Hall
101 N. 4th St.
PO Box 1030
Douglas, WY 82633

Public Works Dept.
420 W. Grant Street
PO Box 1030
Douglas, WY 82633

**City of Douglas
Call for Bids (Equipment)**

Sealed bids for a **New Specified 2025 Cab, Chassis and Refuse Compaction Body** will be received in the office of the City Clerk until **2:30 p.m., July 31, 2024** and read immediately thereafter in the Council Chambers at City Hall, 101 N. 4th St., Douglas, WY. Approved specifications and contract documents may be obtained at the Public Works Dept., 420 W. Grant Street, or on the City of Douglas website at www.cityofdouglas.org under the "Bid Postings" tab. Mail submitted bids to the City Clerk, City of Douglas, P.O. Box 1030, Douglas, WY 82633, or deliver to the City Clerk at 101 N. 4th Street, Douglas, WY. The City of Douglas reserves the right to reject any and all bids, to waive informalities, and to accept the bid that serves the best interests of the City./s/, City Clerk

Published: **July 17, 2024 & July 24, 2024**

End of Section

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CITY OF DOUGLAS BID INFORMATION

Seal bids will be received until **2:30 p.m. on July 31, 2024**, at the office of the City Clerk the same day in the Council Chambers of the City Hall Building at 101 North 4th Street, Douglas, Wyoming, for a **New Specified 2025 Cab, Chassis and Refuse Compaction Body**. Details and specifications may be obtained by contacting the City Clerk, 101 North 4th, Douglas Wyoming 82633; at the Public Works Department, 420 West Grant, Douglas Wyoming 82633-2153; or on the City of Douglas website at www.cityofdouglas.org under the "Bids" tab. **Bids received after the specified hour will not be accepted.**

Demonstrative units will not be accepted or considered in the bid proposal. Details and specifications may be obtained by contacting the City Clerk, 101 North 4th, Douglas, Wyoming 82633 or the Public Works Department, 420 West Grant, Douglas, Wyoming 82633-2153. Bids received after the specified hour will not be accepted.

Delivery will be accepted, F.O.B. Douglas, Wyoming. All complete bids must be F.O.B. the City of Douglas, Public Works Department, 420 West Grant, Douglas, Wyoming 82633-2153. Tax Exempt Certificate will be furnished by the City of Douglas.

All bids must be clearly marked **New 2025 Cab, Chassis and Refuse Compaction Body** with the bidder's name and the time and date of the opening on the outside of the envelope. A Bid Bond or Letter of Credit of 5% will be required at the time the bid is opened. The City of Douglas will allow a 5% preference to Wyoming residents. Bidders will supply a Certificate of Residency in compliance with the Wyoming Department of Labor and Statistics.

No qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the City of Douglas, or be subjected to discrimination. Pursuant to the American's with Disabilities Act, reasonable accommodation for persons with disabilities who wish to participate in these services, programs or activities shall be made upon request to City of Douglas, American Disability Act Coordinator at Douglas City Hall, 101 North 4th Street, Douglas, Wyoming 82633.

The City of Douglas reserves the right to reject any or all bids, to waive informalities in any bid received and accept any bid which best serves the interest of the City of Douglas.

The City of Douglas is letting bids for **New Specified 2025 Cab, Chassis and Refuse Compaction Body**. The specifications are for and the purpose and intent of this document is to specify the purchase of a **New Specified 2025 Cab, Chassis and Refuse Compaction Body**. Any model bid shall meet or exceed the prescribed requirements. It is unacceptable to add or change components and/or materials to a unit or lesser design capability, in order, to meet these requirements.

The bidder shall indicate his compliance with a "Yes" or non-compliance with a "No" in each line item specification. Where submitted literature does not support the meeting of these specifications, the

bidder shall outline fully on company letterhead stationery the variation from specification. Any unit not conforming to the specifications will be rejected, and it will be the responsibility of the manufacturer to conform to the requirements, unless deviations have been cited by the bidder and acceptance based upon the exceptions. *2025 FREIGHTLINER M2-1067 w/ SEC CHAMPION 27yd REFUSE BODY*

Total bid amount for new 2025 unit: \$ _____

Signature of company representative responsible for bid: *[Signature]*

You are required to deliver the above specified item/s, F.O.B. to Douglas, Wyoming on or before **06/15/2026** at which time your invoice should be submitted to the City of Douglas. Finance Department, P.O. Box 1030, Douglas, Wyoming 82633-1030 for payment, unless otherwise specified in the bid documents.

End of Section



(Proposal must be filled out, signed and submitted with the bid document)

**PROPOSAL FOR FURNISHING NEW SPECIFIED 2020 CAB, CHASSIS AND REFUSE
COMPACTION FOR THE CITY OF DOUGLAS, WYOMING**

JACK'S TRUCK CENTER, INC dba FLOYD'S TRUCK CENTER WY

Proposal of (Name): _____

(Address): PO BOX 1628, GILLETTE, WY 82717

to furnish equipment as specified to the City of Douglas, Wyoming, in accordance with specifications dated (insert date).

BID ITEM:

Description: 2025 Cab, Chassis and Refuse Compaction Body

Make and Model: FREIGHTLINER M2-106+ w/ SEC CHAMPION 27yd

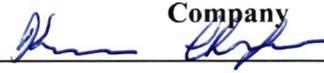
- I. Price bid for (unit) as specified FOB
 - a. Douglas, Wyoming \$ 249,994.00
- II. Less trade-in allowance: \$ N/A
- III. Net Price: (City to pay only this amount) \$ 249,994.00

In addition to this proposal, the undersigned herewith submits complete information including specifications and descriptive literature to fully describe and illustrate the equipment and accessories offered.

Bidder proposes to deliver equipment in accordance with the schedule above. A bid bond, certified, or cashier's check made payable to the City of Douglas, Wyoming, in an amount of 5% of the total amount of this bid is enclosed. The undersigned certifies that he understands the specifications relating to said bid security and agrees to the conditions set forth in said specifications.

JACK'S TRUCK CENTER, INC dba

Submitted by: FLOYD'S TRUCK CENTER WY
Company

Signature: 

Title: SALES MANAGER

End of Section



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Delivery will be accepted, F.O.B. Douglas, Wyoming. All complete bids must be F.O.B. the City of Douglas, Public Works Department, 420 West Grant, Douglas, Wyoming 82633-2153. Tax Exempt Certificate will be furnished by the City of Douglas.

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The City of Douglas is letting bids for **New Specified 2025 Cab, Chassis and Refuse Compaction Body**. The specifications are for and the purpose and intent of this document is to specify the purchase of a **New Specified 2025 Cab, Chassis and Refuse Compaction Body**. Any model bid shall meet or exceed the prescribed requirements. It is unacceptable to add or change components and/or materials to a unit or lesser design capability, in order, to meet these requirements.

The bidder shall indicate his compliance with a "Yes" or non-compliance with a "No" in each line item specification. Where submitted literature does not support the meeting of these specifications, the

bidder shall outline fully on company letterhead stationery the variation from specification. Any unit not conforming to the specifications will be rejected, and it will be the responsibility of the manufacturer to conform to the requirements, unless deviations have been cited by the bidder and acceptance based upon the exceptions. 2025 FREIGHTLINER M2-106T W GS PRODUCTS CL8100 REFUSE BODY

Total bid amount for new 2025 unit: \$ _____

Signature of company representative responsible for bid: _____ 

You are required to deliver the above specified item/s, F.O.B. to Douglas, Wyoming on or before **06/15/2026** at which time your invoice should be submitted to the City of Douglas. Finance Department, P.O. Box 1030, Douglas, Wyoming 82633-1030 for payment, unless otherwise specified in the bid documents.

End of Section

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(Proposal must be filled out, signed and submitted with the bid document)

PROPOSAL FOR FURNISHING NEW SPECIFIED 2020 CAB, CHASSIS AND REFUSE COMPACTION FOR THE CITY OF DOUGLAS, WYOMING

JACKS TRUCK CENTER, INC dba

Proposal of (Name): FLOYD'S TRUCK CENTER WY

(Address): P.O. Box 1628, Gillette, WY 82717

to furnish equipment as specified to the City of Douglas, Wyoming, in accordance with specifications dated (insert date).

BID ITEM:

Description: 2025 Cab, Chassis and Refuse Compaction Body

Make and Model: FREIGHTLINER M2-1064 w/ GS PRODUCTS CL8100 REFUSE BODY

- I. Price bid for (unit) as specified FOB
 - a. Douglas, Wyoming \$ 275,296.00
- II. Less trade-in allowance: \$ N/A
- III. Net Price: (City to pay only this amount) \$ 275,296.00

In addition to this proposal, the undersigned herewith submits complete information including specifications and descriptive literature to fully describe and illustrate the equipment and accessories offered.

Bidder proposes to deliver equipment in accordance with the schedule above. A bid bond, certified, or cashier's check made payable to the City of Douglas, Wyoming, in an amount of 5% of the total amount of this bid is enclosed. The undersigned certifies that he understands the specifications relating to said bid security and agrees to the conditions set forth in said specifications.

JACKS TRUCK CENTER, INC dba

Submitted by: FLOYD'S TRUCK CENTER WY

Company

Signature: [Signature]

Title: SALES MANAGER

End of Section



BID BOND – EQUIPMENT

KNOW ALL MEN BY THESE PRESENT, That we, the undersigned, _____ as Principal, and _____ as surety, are hereby held and firmly bound unto _____ as OWNER in the penal sum of _____ for payment of which, we and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns.

The condition of the above obligation is such that whereas the Principal has submitted to _____ a certain BID, attached hereto and hereby made a part hereof to enter into a contract in writing for the _____

NOW, THEREFORE,

- A. If said BID shall be rejected, or
- B. If said BID shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said BID) and shall furnish a BOND for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith and shall in all respects perform the agreement created by the acceptance of said BID.

Then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall in no way be impaired or affected by any said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

_____(L.S.)

Surety

By: _____

IMPORTANT: Surety companies executing BONDS must appear in the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State of Wyoming.

End of Section

IF BIDDER IS:

AN INDIVIDUAL

By: _____ doing business as: _____
(Name)

Address: _____ Phone: _____

A PARTNERSHIP

By: _____ (seal)
(Firm Name)

(General Partner)

Business Address: _____ Phone: _____

A CORPORATION

By: JACK'S TRUCK CENTER, INC dba
FLOYD'S TRUCK CENTER WY of WYOMING
(Corporation Name) (State of Incorporation)

By: [Signature] SALES MANAGER
(Signature) (Title)

ATTEST: _____ (Corporate Seal)

Business Address: _____ Phone: _____

A JOINT VENTURE

By: _____ Address: _____

By: _____ Address: _____

By: _____ Address: _____

By: _____ Address: _____

(Each member of the joint venture must sign; attach additional sheet if necessary.)

End of Section

NOTICE OF AWARD

To: _____

Equipment description: _____

The owner has considered the bid submitted by you for the above described work in response to its advertisement for bids dated _____, 20__ and information for bidders.

You are hereby notified that your bid has been accepted for item/s in the amount of:

Base Bid _____

Option #1 - \$ _____ **Description** _____

Option #2 - \$ _____ **Description** _____

Option #3 - \$ _____ **Description** _____

Option #4 - \$ _____ **Description** _____

Total bid amount: \$ _____

You are required, as set forth in the bid specifications, to execute any documents within ten (10) days from the date of this notice. If you fail to execute said documents, owner will be entitled to consider all rights arising out of the owner's acceptance of your bid as abandoned and as a forfeiture of your bid bond. The owner will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this Notice of Award to the owner.

ACCEPTANCE OF NOTICE

Receipt of the above Notice of Award is hereby acknowledged by:

Owner

Name

Title

Date

Company

Name

Title

Date

End of Section

SPECIFICATIONS

Specifications for **One (1) New 2025 Cab, Chassis and Refuse Compaction Body.** These are the minimum specifications for this vehicle; **you must meet or exceed these specifications.** Mark “Yes” if item meets specifications; mark “No” if not. If indication “No” is marked to any specifications, you must provide on a separate sheet of paper an explanation of the item that you would supply in place of the specified item. Any item not marked may result in rejection of the bid.

SCOPE: The truck being specified will be used by the City of Douglas and will be assigned specifically to the Public Works Sanitation Department. The truck will operate daily collecting refuse by lifting refuse containers and dumping over the left front of compactor body, the refuse will be compacted until the body is full then hauled to a transfer station where the refuse will be ejected from the body through a lifted tail gate.

I. ENGINE & ENGINE EQUIPMENT:	Yes	No
1. Cummins L9 350 HP @ 2200 RPM	X	
2. 1050 LB/Ft Toque @1200 RPM	X	
3. 1000-watt 115 volt coolant heater w/heater receptacle mounted under LH door	X	
4. Dry type air cleaner w/safety filter & restriction gauge mounted on air cleaner housing	X	
5. Heavy duty radiator with coolant recovery system and coolant conditioner filter	X	
6. Automatic OTR regeneration and dash mounted regeneration request switch	X	
7. Urea system with gauge in dash indicating urea tank level	X	
8. LH 6 Gallon diesel exhaust fluid (DEF) tank	X	
9. Aluminum after treatment device/muffler/tailpipe/shields	X	
10. RH outboard under step mounted horizontal after treatment system	X	
11. RH curved vertical tailpipe B-Pillar mounted routed from step	X	
12. Automatic fan control without a dash switch	X	
13. Electronic engine integral shutdown protection system	X	
14. 12 Volt 160amp alternator	X	
15. (2) 2000 CCA 12V group 31 maintenance free batteries w/ in cab disconnect switch	X	
16. Single battery box frame mounted LH side under cab w/ jump start provision by starter	X	
17. Electric grid air intake warmer	X	

II. ELECTRONIC PARAMETERS:	Yes	No
1. Parameters set to body builders' recommendations	X	
2. 75 MPH road speed	X	
3. Cruise control speed limit same as road speed	X	
4. PTO mode cancel speed 5 MPH	X	

III. TRANSMISSION & TRANSMISSION EQUIPMENT:	Yes	No
1. Allison 3000 RDS automatic with PTO provision	X	
2. WTEC calibration – 6 speed RDS	X	
3. Vehicle interface wiring with body builder connector end of frame mounted	X	

4. Electronic transmission customer access connecter firewall mounted	X	
5. Transmission shift control – steering column mounted	X	
6. Transmission oil to water cooler in radiator end tank	X	
7. Synthetic transmission fluid (TES-295 compliant)	X	

IV. FRONT AXLE & EQUIPMENT:	Yes	No
1. 20,000# flat leaf suspension w/ 3.74 drop single front axle	X	
2. 16.5X6 Q+ non-asbestos front brake shoes & linings	X	
3. Cast iron front brake drums w/ dust shield	X	
4. Vented front hub caps with window	X	
5. Automatic front brake slack adjusters	X	
6. Power steering with power steering pump	X	
7. Front shock absorbers	X	
8. Synthetic 75w-90 front axle lube	X	

V. REAR AXLE & EQUIPMENT:	Yes	No
1. RT-30-185 30,000# U-Series rear axle	X	
2. 5.38 rear axle ratio	X	
3. Iron rear axle carrier with standard axle housing	X	
4. MXL 17T Meritor extended lube main driveline with haft round yokes	X	
5. Brake drum dust shields	X	
6. Driver controlled traction differential	X	
7. (1) driver controlled differential axle valve	X	
8. Non-asbestos brake lining	X	
9. Indicator lamp with each mode switch, differential unlock with ignition off and road speed > 25 MPH, activate only at <5 MPH	X	
10. 16x.5X7 P cast spider cam, double anchor, cast shoes	X	
11. Brake cams and chambers on rear side of drive axle	X	
12. Cast iron rear brake drums	X	
13. Wabco Tristop D Longstroke drive axle spring parking chambers	X	
14. Haldex automatic rear slack adjusters	X	
15. Synthetic 75w-90 rear axle lube	X	

VI. REAR SUSPENSION:	Yes	No
1. Flat Leaf 30,000# rear spring suspension w/ helper & radius rod	X	
2. Rear axle oil seals	X	
3. Spring Suspension – No axle spacers	X	
4. 18.7 cfm Air Compressor	X	
5. Fore/aft control rods	X	
6. Standard axle seat in axle clamp group	X	

VII. BRAKE SYSTEM	Yes	No
1. Wabco 4S/4M ABS without traction control	X	
2. Reinforced nylon, fabric braid and wire braid air lines	X	
3. Fiber braid park brake hoses	X	
4. Standard brake system valves	X	
5. Standard air system pressure protection valves	X	
6. Standard U.S. front brake valve	X	
7. Relay valve with 5-8 PSI crack pressure, no rear proportioning valve	X	
8. Wabco System Saver HP air dryer with heater & coalescing filter	X	
9. Air dryer mounted inboard on LH frame rail	X	
10. Steel air tanks mounted aft inside and/or below frame just forward of rear suspension	X	
11. BW DV-2 auto drain valve with heater - wet tank, petcock drain valves on all other tanks	X	

VIII. WHEELBASE AND FRAME:	Yes	No
1. 6100MM (226 inch) wheelbase	X	
2. 11/32X10-15/16-inch steel frame 120KSI	X	
3. 2525MM (96 inch) rear frame overhang	X	
4. ¼ inch c-channel inner frame reinforcement	X	
5. Frame overhang range: 91 inches to 100 inches	X	
6. Calc'd back of cab to rear suspension C/L (CA): 160.83 inches	X	
7. Calc'd frame length-overall: 352.27 inches	X	
8. Lightweight heavy duty aluminum engine crossmember	X	
9. Frame space LH side: 100.91 inches	X	
10. Frame space RH side: 128.21 inches	X	
11. Square end of frame	X	
12. Front closing crossmember	X	
13. Standard rearmost cross member	X	
14. Standard suspension crossmember	X	

IX. CHASSIS EQUIPMENT:	Yes	No
1. 3 piece 14 Inch painted steel bumper w/ collapsible ends	X	
2. Bumper mounting for single license plate	X	
3. No mud flaps brackets	X	
4. Rear mud flaps mounted on body by body installer	X	
5. Clear frame rails from back of cab to front rear suspension, both rails outboard	X	
6. Grade 8 hex headed frame fasteners w/ bolt heads on outside of frame	X	
7. Tow hooks, frame mounted, two (2) front.	X	

X. FUEL TANK(S):	Yes	No
1. 80 Gallon/302liter rectangular aluminum fuel tank - LH	X	
2. Fuel tank forward	X	
3. Plain step finish	X	
4. Fuel tank cap	X	
5. Detroit fuel filter/water separator w/ hand primer & 12v preheater	X	
6. Equiflo inboard fuel system	X	
7. High temperature reinforced nylon fuel line	X	
8. Painted steel fuel tank bands	X	

XI. Tires:	Yes	No
1. 315/80R22.5 20 ply front steer tires	X	
2. 315/80R22.5 20 ply rear traction tires	X	
3. One spare tire & wheel for the rear, One spare tire & wheel for the front.	X	

XII. HUBS:	Yes	No
1. Pre-set plus bearing iron front hubs	X	
2. Webb iron rear hubs	X	

XIII. WHEELS:	Yes	No
1. 22.5x9.00 10-hub pilot steel disc wheels	X	

XIV. CAB EXTERIOR:	Yes	No
1. Aluminum conventional cab	X	
2. Air cab mounts	X	
3. Bolt-on molded flexible fender extensions	X	
4. LH and RH grab handles	X	
5. Non removable bug screen mounted behind hood mounted grill	X	
6. Molded in-color hood mounted air intake grill	X	
7. Fiberglass hood w/ tunnel/firewall liner	X	
8. Dual 14-inch air horn roof mounted	X	
9. Dual electric horn	X	
10. Door lock and ignition switch keyed the same	X	
11. LED marker lights	X	
12. No Daytime running lights	X	
13. Standard front turn signal lamps	X	
14. Door mounted mirrors	X	
15. Dual west coast molded-in color heated mirrors w/ LH & RH remote	X	
16. LH and RH molded-in color convex mirrors mounted under primary mirrors	X	
17. No cab mounted steps	X	
18. LH and RH tinted door glass	X	
19. Roped in windshield	X	

20. Power electric door window regulators	X	
21. Windshield washer reservoir, frame mounted	X	
22. Rubber mud flaps behind front tires to keep mud from tanks, steps, etc.	X	

XV. CAB INTERIOR:	Yes	No
1. Rugged trim package interior	X	
2. Molded plastic door panels with aluminum kickplate lower door	X	
3. Black mats with single insulation	X	
4. Dash mounted ashtray with lighter, 12v power outlet, & (2) USB-C outlet	X	
5. Forward roof mounted console	X	
6. (2) Cup Holders in dash	X	
7. Overhead console power & ground connections	X	
8. Heater, defroster and air conditioner	X	
9. Main HVAC controls with recirculation switch	X	
10. Standard heater plumbing with ball shut off valves	X	
11. Heavy duty air conditioner compressor	X	
12. Binary control, R134A	X	
13. Premium cab insulation	X	
14. Solid state circuit protection and fuses/circuit breakers	X	
15. 12-volt negative ground electrical system	X	
16. LED Interior Cab Lighting	X	
17. Cab door latches with electric door locks	X	
18. High back air suspension driver and passenger seats with seat belts	X	
19. Driver & passenger seats are the same type, color and manufacturer	X	
20. Heavy duty cloth driver & passenger seats with fold down armrest	X	
21. LH and RH integral door panel arm rest	X	
22. Adjustable tilt and telescoping steering column	X	
23. Driver and passenger interior sun visors	X	
24. Electric power windows – drivers and passenger doors	X	

XVI. INSTRUMENTS AND CONTROLS:	Yes	No
1. Low air pressure light and buzzer	X	
2. Dual needle primary and secondary air pressure gauge	X	
3. 97 DB back-up alarm mounted rear inboard of rail	X	
4. Electronic cruise control with steering wheel switches	X	
5. Key operated ignition switch with integral start position	X	
6. 5" drivers display in instrument cluster	X	
7. Diagnostic interface connector, located LH below dash	X	
8. 2-inch electric fuel, oil pressure, engine temperature, transmission temperature.	X	
9. Engine and trip hour meters integral within drivers display	X	
10. AM/FM/WB radio with front auxiliary inputs, (2) radio speakers in cab	X	
11. Dash mounted radio, AM/FM antenna mounted on forwarded LH cab	X	

mirrored

12. Electronic MPH speedometer with secondary KPH scale	X	
13. Electronic 3000 RPM tachometer	X	
14. Ignition switch controlled engine stop	X	
15. Programmable RPM control-electronic engine	X	
16. Single electric windshield wiper motor with delay	X	
17. Marker light switch integral with headlight switch	X	
18. One valve parking brake system with warning indicator	X	
19. Self-canceling turn signal switch with dimmer, washer/wiper and hazard in handle	X	
20. Integral electronic turn signal flasher with hazard lamps overriding stop lamps	X	
21. Customer furnished and installed PTO controls	X	

XVII. PAINT AND COLOR:	Yes	No
1. Paint: one solid color	X	
2. Cab color: fleet white	X	
3. Chassis paint: black	X	
4. Wheels: white	X	
5. Standard black bumper paint	X	

XVIII. WARRANTY:	Yes	No
1. Full factory warranty on cab chassis and components to be shown with the bid.	X	
2. Cab and chassis warranty will be registered by the vendor at the time of delivery. A copy of the cab and chassis warranty/registration is to be delivered with the truck.	X	
3. Engine warranty will be registered by the vendor.	X	

XIX. MANUALS:	Yes	No
1. Workshop manual online access	X	
2. Online parts catalog	X	
3. Drivers & operators manual	X	
4. Engine operator's manual	X	

End of Section

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Prepared for:
Alan Gorrell
DOUGLAS CITY PUBLIC
WORKS
420 GRANT ST

DOUGLAS, WY 82633
Phone: 307-359-9008

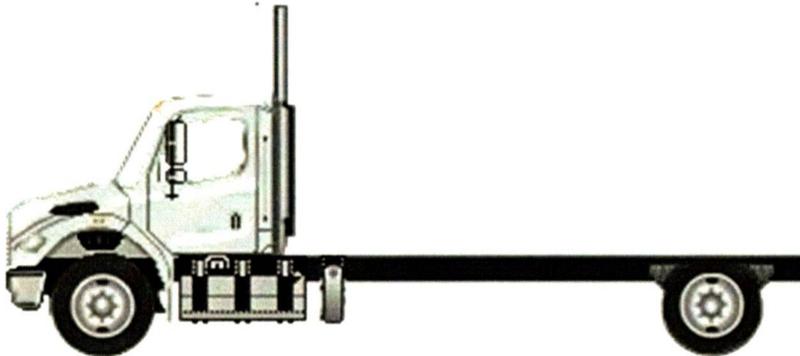
Prepared by:
Kevin Chafee
FLOYD'S TRUCK CENTER WY
6100 S. DOUGLAS HWY.
GILLETTE, WY 82718
Phone: 307-686-0608

A proposal for
DOUGLAS CITY PUBLIC WORKS

Prepared by
FLOYD'S TRUCK CENTER WY
Kevin Chafee

Jul 26, 2024

Freightliner M2 106 Plus



Components shown may not reflect all spec'd options and are not to scale



Prepared for:
 Alan Gorrell
 DOUGLAS CITY PUBLIC
 WORKS
 420 GRANT ST

 DOUGLAS, WY 82633
 Phone: 307-359-9008

Prepared by:
 Kevin Chafee
 FLOYD'S TRUCK CENTER WY
 6100 S. DOUGLAS HWY.
 GILLETTE, WY 82718
 Phone: 307-686-0608

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-29M	M2 PRL-29M (EFF:MY26 ORDERS)		
Data Version			
DRL-001	SPECPRO21 DATA RELEASE VER 001		
Vehicle Configuration			
001-172	M2 106 PLUS CONVENTIONAL CHASSIS	5,709	3,450
004-226	2026 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-004	STRAIGHT TRUCK PROVISION, NON-TOWING		
003-001	LH PRIMARY STEERING LOCATION		
General Service			
AA1-002	TRUCK CONFIGURATION		
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
99D-027	EPA EMISSIONS CERTIFICATION FOR REGISTRATION IN EPA OR ACT STATES - EPA CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD OF DRIVER DOOR)		
AF2-998	NONE		
A85-001	REFUSE SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-013	MOIST BULK 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 : 20000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 30000.0 lbs		



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Data Code	Description	Weight Front	Weight Rear
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 50000.0 lbs		
Truck Service			
AA3-062	REFUSE, SIDE LOAD OR REAR PACKER BODY - DOES NOT UNLOAD IN A LANDFILL		
AF4-99D	EXPECTED EMPTY BODY WEIGHT : 15000.0 lbs		
AF3-2GX	SOUTHWESTERN EQUIPMENT CO.		
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
Engine			
101-3E1	CUM L9 350 HP @ 2200 RPM, 2200 GOV RPM, 1050 LB-FT @ 1200 RPM, REFUSE	640	30
Electronic Parameters			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
79U-001	PTO GOVERNOR RAMP RATE - 25 RPM PER SECOND		
80G-002	PTO MINIMUM RPM - 700		
80J-001	REGEN INHIBIT SPEED THRESHOLD - 0 MPH		
80S-004	PTO 1, DASH SWITCH, ENGAGE WHILE DRIVING		
80V-100	PTO MODE SPEED CONTROL ACTIVATION REQUEST FOR REMOTE ENGINE INTERFACE		
Engine Equipment			
99C-024	EPA 2010/GHG 2024 CONFIGURATION		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
014-1B5	SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH SAFETY ELEMENT, FIREWALL MOUNTED		
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		
281-001	STANDARD BATTERY JUMPERS		
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		



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Data Code	Description	Weight Front	Weight Rear
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	2	
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	2	
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-076	CUMMINS 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-014	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER		
239-020	10 FOOT 00 INCH (120 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		
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		



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Data Code	Description	Weight Front	Weight Rear
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		
120-009	FLEETGUARD PLAIN COOLANT FILTER		
266-013	1100 SQUARE INCH ALUMINUM RADIATOR	70	
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-018	COOLANT FILL/EVACUATION QUICK CONNECT	1	
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

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

343-312	ALLISON VOCATIONAL PACKAGE 142 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS		
84B-013	ALLISON VOCATIONAL RATING FOR REFUSE APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		



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Data Code	Description	Weight Front	Weight Rear
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84J-000	ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84K-000	ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84N-004	FUEL SENSE 2.0 PLUS - DYNACTIVE: PERFORMANCE, NEUTRAL AT STOP: ACTIVE		
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
353-076	QUICKFIT BODY LIGHTING CONNECTOR AT END OF FRAME, WITH BLUNTCUTS		
34C-011	ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR		
362-823	CUSTOMER INSTALLED CHELSEA 280 SERIES PTO		
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION ALLISON		
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	15	
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

Front Axle and Equipment

400-1BB	DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	190	
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		
427-001	FRONT BRAKE DUST SHIELDS	5	
409-006	FRONT OIL SEALS		



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Data Code	Description	Weight Front	Weight Rear
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		
536-055	TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR	130	
539-003	POWER STEERING PUMP		
534-003	4 QUART POWER STEERING RESERVOIR	5	
533-001	OIL/AIR POWER STEERING COOLER		
40T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE		
Front Suspension			
620-006	20,000# FLAT LEAF FRONT SUSPENSION	310	
619-004	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		
Rear Axle and Equipment			
420-024	CUMMINS-MERITOR RS-30-185 30,000# U-SERIES SINGLE REAR AXLE		275
421-538	5.38 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	20	20
452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		
878-018	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
87B-024	INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT SWITCH, ENGAGE AT SPEEDS 5 MPH OR LESS, DISENGAGE W/IGN OFF OR SPEEDS EXCEEDING 25 MPH		
423-010	MERITOR 16.5X7 P CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, CAST SHOES		20
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-012	BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)		
451-018	WEBB CAST IRON REAR BRAKE DRUMS		50
425-002	REAR BRAKE DUST SHIELDS		5
440-006	REAR OIL SEALS		



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Data Code	Description	Weight Front	Weight Rear
426-100	WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		
Rear Suspension			
622-1DF	30,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD		230
621-001	SPRING SUSPENSION - NO AXLE SPACERS		
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
623-005	FORE/AFT CONTROL RODS		
Pusher / Tag Equipment			
429-998	NO PUSHER/TAG BRAKE DUST SHIELDS		
Brake System			
018-002	AIR BRAKE PACKAGE		
490-100	WABCO 4S/4M ABS		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
413-002	STD U.S. FRONT BRAKE VALVE		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-088	WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER		
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER		
479-003	AIR DRYER MOUNTED INBOARD ON LH RAIL		
460-058	STEEL AIR TANKS MOUNTED AFT INSIDE AND/OR BELOW FRAME JUST FORWARD OF REAR SUSPENSION		
477-008	BW DV-2 AUTO DRAIN VALVE WITH HEATER - WET TANK, PETCOCKS ALL OTHERS		
Trailer Connections			
481-998	NO TRAILER AIR HOSE		
476-998	NO AIR HOSE HANGER		
310-998	NO TRAILER ELECTRICAL CABLE		



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Data Code	Description	Weight Front	Weight Rear
Wheelbase & Frame			
545-575	5750MM (226 INCH) WHEELBASE		
546-101	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	270	120
547-001	1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT	170	390
552-007	2450MM (96 INCH) REAR FRAME OVERHANG		
55W-009	FRAME OVERHANG RANGE: 91 INCH TO 100 INCH	-60	260
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 160.83 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 157.83 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 352.27 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 100.91 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 128.21 in		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 0.0 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			
556-1AP	THREE-PIECE 14 INCH PAINTED STEEL BUMPER WITH COLLAPSIBLE ENDS	30	
558-001	FRONT TOW HOOKS - FRAME MOUNTED	15	
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
585-998	NO MUDFLAP BRACKETS		
590-998	NO REAR MUDFLAPS		
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
551-017	GRADE 8/CLASS 10.9 THREADED HEX HEADED FRAME FASTENERS INSTALLED WITH BOLT HEADS ON OUTSIDE OF FRAME		



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Data Code	Description	Weight Front	Weight Rear
44Z-002	EXTERIOR HARNESSES WRAPPED IN ABRASION TAPE		
607-001	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD		
Fifth Wheel			
578-998	NO FIFTH WHEEL		
Fuel Tanks			
204-034	80 GALLON/302 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	40	10
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			
093-2CC	MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
094-1RJ	MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL REAR TIRES		200
510-1RJ	MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL SPARE TIRE		163
* 508-2CC	MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL ADDITIONAL SPARE TIRE		131
Hubs			
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
450-014	WEBB IRON REAR HUBS		70
Wheels			
502-579	MAXION WHEELS 10041 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS	66	



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Data Code	Description	Weight Front	Weight Rear
505-445	ACCURIDE 29300 22.5X9.00 10-HUB PILOT 5-HAND STEEL DISC REAR WHEELS		164
* 511-579	MAXION WHEELS 10041 22.5X9.00 10-HUB PILOT 5-HAND STEEL DISC SPARE WHEEL		66
* 51A-445	ACCURIDE 29300 22.5X9.00 10-HUB PILOT 5-HAND STEEL DISC ADDITIONAL SPARE WHEEL		38
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		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
754-008	2-1/2 INCH FENDER EXTENSIONS	10	
678-001	LH AND RH GRAB HANDLES		
646-045	MOLD-IN COLOR GRILLE		
65X-011	MOLD-IN COLOR HOOD MOUNTED AIR INTAKE GRILLE		
644-004	FIBERGLASS HOOD		
690-002	TUNNEL/FIREWALL LINER		
727-1AJ	DUAL 14 INCH ROUND POLISHED AIR HORNS	8	
726-002	DUAL ELECTRIC HORNS		
728-002	DUAL HORN SHIELDS		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY		
302-047	LED AERODYNAMIC MARKER LIGHTS		
311-998	NO DAYTIME RUNNING LIGHTS		
294-046	OMIT STOP/TAIL/BACKUP LIGHTS AND PROVIDE WIRING WITH SEPARATE STOP/TURN WIRES TO 4 FEET BEYOND END OF FRAME		-5
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-1BK	DUAL WEST COAST MOLDED-IN COLOR HEATED MIRRORS WITH LH AND RH REMOTE		
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		
768-043	63X14 INCH TINTED REAR WINDOW		



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661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
654-011	RH AND LH ELECTRIC POWERED WINDOWS		
663-019	1-PIECE ROPED-IN 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		
708-013	MOLDED PLASTIC DOOR PANEL		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-034	ASH CUP AND (1)LIGHTER, (1)12V POWER OUTLET, (1)DASH MTD DUAL USB-C OUTLET		
691-001	FORWARD ROOF MOUNTED CONSOLE		
693-035	LH AND RH KICKPLATES		
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		
170-045	STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES AT SUPPLY LINES ONLY		
130-041	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		
702-002	BINARY CONTROL, R-134A		
739-034	PREMIUM INSULATION		
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
324-1B3	STANDARD LED CAB LIGHTING		
787-998	NO SECURITY DEVICE		
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
78G-002	KEY QUANTITY OF 2		



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Data Code	Description	Weight Front	Weight Rear
655-005	LH AND RH ELECTRIC DOOR LOCKS		
740-998	NO MATTRESS	-20	-15
756-338	BASIC ISRINGHAUSEN HIGH BACK AIR SUSPENSION DRIVERS SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
760-338	BASIC ISRINGHAUSEN HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	25	10
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
758-143	RUGGED CLOTH BLACK WITH GRAY DRIVER SEAT		
761-143	RUGGED CLOTH BLACK WITH GRAY PASSENGER SEAT		
763-101	BLACK SEAT BELTS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
540-044	4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

106-002	ELECTRONIC ACCELERATOR CONTROL		
732-998	NO INSTRUMENT PANEL-DRIVER		
734-023	CONFIGURABLE LOWER PANEL WITH INTEGRATED UPPER STORAGE		
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK		
870-001	BLACK GAUGE BEZELS		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
840-001	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE		
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS		
721-001	97 DB BACKUP ALARM		3
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		



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 DOUGLAS CITY PUBLIC
 WORKS
 420 GRANT ST

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 Phone: 307-359-9008

Prepared by:
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 6100 S. DOUGLAS HWY.
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 Phone: 307-686-0608

Data Code	Description	Weight Front	Weight Rear
811-044	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY		
81B-003	DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-072	ENGINE REMOTE INTERFACE WITH ONE OR MORE SET SPEEDS		
48H-003	QUICKFIT POWERTRAIN INTERFACE CONNECTOR UNDER CAB WITH CAPS		
48C-003	QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) UNDER CAB WITH CAP		
163-014	ENGINE REMOTE INTERFACE CONNECTOR AT POWERTRAIN INTERFACE CONNECTOR		
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		
736-998	NO OBSTACLE DETECTION SYSTEM		
72J-998	NO DR ASSIST SYSTEM		
49B-998	NO VEHICLE STABILITY ADVISOR OR CONTROL		
73B-998	NO LANE DEPARTURE WARNING SYSTEM		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
679-998	NO OVERHEAD INSTRUMENT PANEL		
35M-010	1 QUICKFIT PROGRAMMABLE MODULE (QPM/XMC)	10	
* 746-137	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939		
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-998	NO AM/FM RADIO ANTENNA		
748-006	POWER AND GROUND WIRING PROVISION OVERHEAD		



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Data Code	Description	Weight Front	Weight Rear
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
752-017	MULTI-BAND AM/FM/WB/CB LH MIRROR MOUNTED ANTENNA SYSTEM		
75W-998	NO MULTIBAND ANTENNA		
78C-998	NO DIGITAL SATELLITE AUDIO RECEIVER ANTENNA		
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		
8D1-313	3 YEARS DAIMLER CONNECTIVITY BASE PACKAGE ON (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT ON CUMMINS ENGINES		
6TS-008	(2) TMC RP1226 ACCESSORY CONNECTORS: (1) LOCATED BEHIND PASSENGER SIDE REMOVABLE DASH PANEL (1) CENTER OF OVERHEAD CONSOLE		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
264-030	(1) OVERHEAD MOUNTED LANYARD CONTROL FOR DRIVER AIR HORN		
883-998	NO TRAILER HAND CONTROL BRAKE VALVE		
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		
882-018	ONE VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND 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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Data Code	Description	Weight Front	Weight Rear
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)		
96F-972	POWDER WHITE (N0006EA) SPARE WHEEL/RIM (PKWHT21, TKWHT21, W, TW)		
964-6Z7	BUMPER PAINT: ELITE BLACK DUPONT FLEX		
963-003	STANDARD E COAT/UNDERCOATING		

Certification / Compliance	
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS

Sales Programs	
NO SALES PROGRAMS HAVE BEEN SELECTED	

TOTAL VEHICLE SUMMARY

Weight Summary			
	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	8060 lbs	5770 lbs	13830 lbs
Total Weight ⁺	8060 lbs	5770 lbs	13830 lbs

(+) 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.



M2 106 PLUS

FREIGHTLINER
WORK SMART™



THE BEST KEEPS GETTING BETTER.

The reliable Freightliner® M2 106 Plus continues to take efficiency and performance to the next level. From productivity to driver comfort and everything in between, the M2 106 Plus delivers the versatility, visibility and safety you expect from Freightliner. We took the #1 best-selling medium-duty truck in North America and added multiple powertrain options, the QuickFit™ Electrical System and Detroit Assurance® Suite of Safety Systems to make it safer, more comfortable and more productive than ever before.



SAFETY AND PRODUCTIVITY GO HAND IN HAND.

The Detroit Assurance® Suite of Safety Systems is one of the most advanced and comprehensive safety systems on the road. Delivering increased uptime by helping mitigate collisions, Detroit Assurance improves even the most seasoned operator's swiftness.

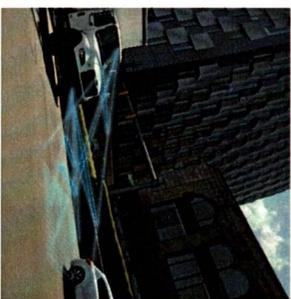
ACTIVE BRAKE ASSIST & HELPS MITIGATE COLLISIONS:

Detroit Assurance Active Brake Assist 5 (ABA 5) helps mitigate potential collisions by consistently calculating the distance of objects ahead, calculating speed and providing a warning or even full braking, if necessary.



ADAPTIVE CRUISE CONTROL FOR MAINTAINING A SAFE DISTANCE:

Detroit Assurance Adaptive Cruise Control (ACC) automatically adjusts distance when in stop-and-go traffic, allowing the driver to focus on their surround 360°.



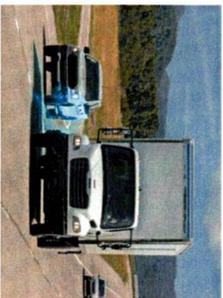
LANE DEPARTURE WARNING HELPS DRIVERS BETWEEN THE LINES:

When a DWE senses the truck's position and issues a warning if the truck violates an unintentional lane departure, increasing the safety of everyone on the road.



SIDE GUARD ASSIST CAN SAVE LIVES:

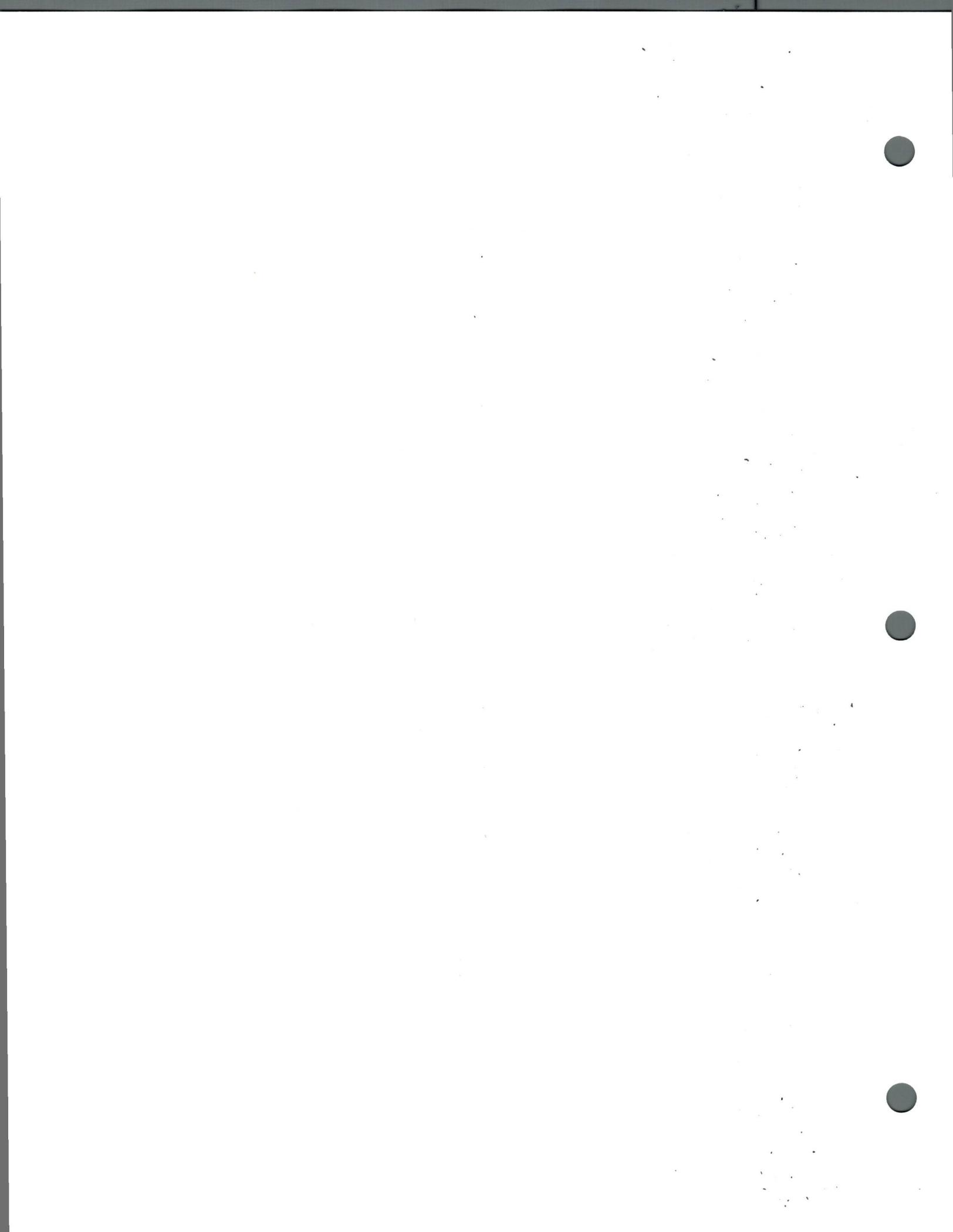
Whether driving for or the police, Detroit Assurance Side Guard Assist (SGA) alerts the driver about objects and pedestrians in the truck's passenger-side blind spot, making it a valuable addition to any vehicle.



BENDIX INTELLIPARK HELPS PREVENT ROLL-AWAYS:

Keen operators and their surroundings view with the out-of-cab Bendix® IntelliPark™, a sophisticated motion-sensing system built designed to help prevent roll-aways caused by an improperly set or accidentally disengaged parking brake.





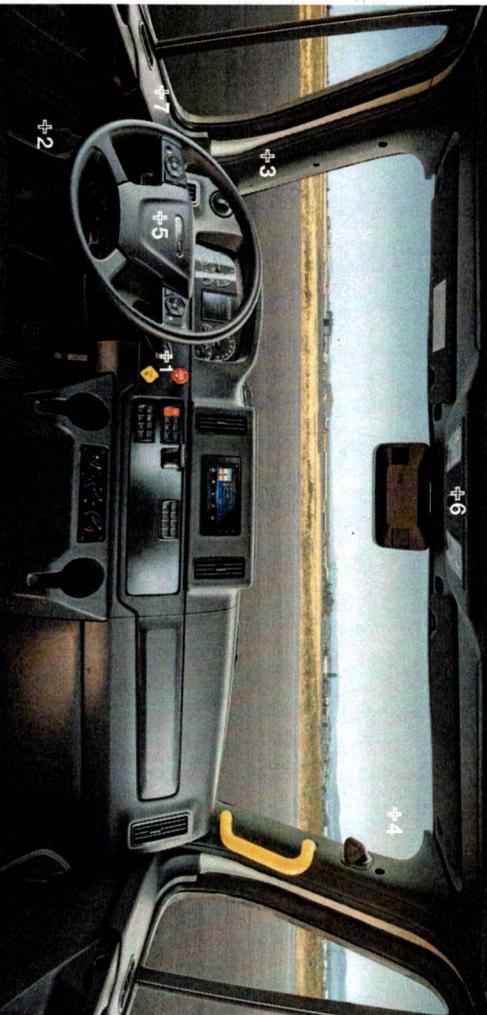
COMFORT THAT KEEPS DRIVERS FOCUSED.

+8

The redesigned interior of the MC 109 Plus offers a range of features to help improve operator comfort and focus on the road and scenery. Choose from three rows of 11 levels of improved rideable designed for a superior 4x4x4 work.

INTERIOR FEATURES

- +1 Standard tilt and telescopic steering column and multifunction shift stalk
- +2 Comfort seats for superior switch
- +3 Automatic wipers, automatic headlights and intelligent high beams
- +4 2,300-sq.-in. one-piece windshield
- +5 Steering wheel with integrated ECO controls
- +6 Overhead storage, console and lock controls
- +7 Easily accessible window
- +8 Noise-dampening cab insulation



CONNECTED TRUCKS THAT SIMPLIFY YOUR WORLD.

Detroit Connect is more than data. It's the power to make quicker, smarter decisions that save your business time.

FEATURES INCLUDE:

DETROIT CONNECT VIRTUAL TECHNICIAN REMOTE DIAGNOSTICS SERVICE
Simplify maintenance with real-time alerts and analytics.

REMOTE UPDATES
Maximize uptime and performance with over-the-air engine parameter updates.

SAFETY ANALYTICS
Get a window into your fleet's performance like never before.



UPFIT HAS NEVER BEEN EASIER.

Specialist work lines a specialized truck. The MC 109 Plus is designed with the versatility to handle any job.

SIMPLIFY UPFIT WITH QUICKFIT
Our QuickFit™ Electrical System makes it easier to integrate specialized equipment with the truck chassis, so you can light your truck for any application.

CREATE CUSTOM LOGIC WITH CHECK TOOL
The Diagnostic CHECK Tool™ provides an always-on window to view and modify electrical configurations as well as change parameters in minutes.



M2 106 PLUS | SPECS AND CONFIGURATIONS

DAY CAB- 106' B9C



AXLE POSITION SBA

AXLE CONFIGURATIONS 4x2
4x4
6x4

TRIM LEVELS Elite
Professional
Rugged

ENGINES

Detroit™ DD6™ 300-340 HP 660-660 B-I
Detroit™ DD6™ 360-375 HP 660-1,050 B-I

Cummins
Cummins B6.7™ 200-325 HP 600-750 B-I
Cummins IS6 260-360 HP 865-1,130 B-I
Cummins IS6.7™ 325-360 HP 865-1,130 B-I
Cummins IS6.7™ 375-380 HP 865-1,130 B-I

TRANSMISSIONS

Manual
Eaton Fuller™ 6-Speed
Eaton Fuller™ 10-Speed
Eaton Fuller™ 11-Speed

Automatic
Allison 1000 Series™
Allison 2000 Series™
Allison 3000 Series™

SUSPENSION

Front
Taper Leaf 6,000-20,000 lbs
Flat Leaf 12,000-20,000 lbs

Rear
Taper Leaf 12,000-23,000 lbs
Flat Leaf 20,000-31,000 lbs
Flat Leaf 12,000-23,000 lbs
PETERBILT™ REARAX™ 23,000-48,000 lbs
PETERBILT™ REARAX™ 48,000-52,000 lbs
HALLMARK™ 40,000-52,000 lbs

CREW CAB- 134' B9C



AXLES Front

Detroit, single 6,000-20,000 lbs
Merrit, single 6,000-20,000 lbs

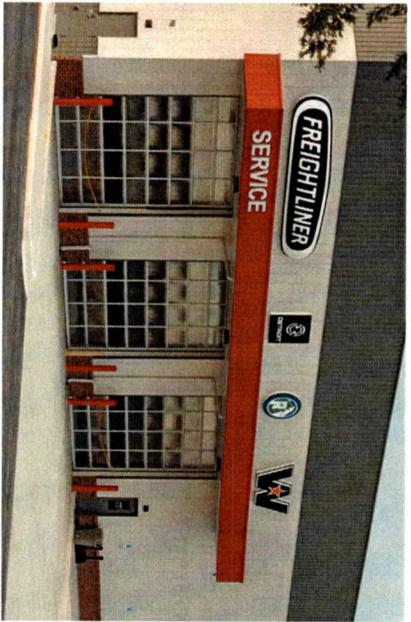
Rear
Detroit, single 17,000-24,000 lbs
Merrit, single 17,000-31,000 lbs
Detroit, single 23,000-27,000 lbs
Detroit, tandem 40,000-44,000 lbs
Merrit, tandem 40,000-46,000 lbs
Detroit, tandem 46,000 lbs

CLASS 6-8

WHEEL CUT Up to 55 degrees

Fruehauf reserves a wide range of products compliant with EPA, CAFE emissions, GHG and OBD requirements. Please consult your local dealer to ensure the selection of a product that meets your specific needs.





EXTENSIVE FREIGHTLINER DEALER NETWORK

Freightliner offers North America's most extensive dealership network with nearly 500 locations staffed by highly trained experts who know your M2 106 Plus trucks. Certified Elite Support™ dealer locations consistently deliver a superior customer experience by working with you to understand your unique needs and ensuring transparent communication throughout every interaction at the dealership. With access to Freightliner's proprietary suite of service tools and the dedication to maximizing your uptime, our entire network ensures your vehicle is back on the road as soon as possible.



SPECIALIZED FINANCE AND INSURANCE SOLUTIONS

As the captive finance company for Daimler Truck North America, Daimler Truck Financial Services specializes in developing customized finance and insurance solutions for your M2 106 Plus, allowing you to combine the truck, body, additional equipment and insurance into one package, helping you maximize your investment.

For more information on how the M2 106 Plus can help move your business forward, visit freightliner.com.

Competitive financing available through Daimler Truck Financial. For the Freightliner dealer nearest you, visit freightliner.com. FTLM/C-B-155. Freightliner is registered to ISO 9001:2015 and ISO 14001:2015. Specifications are subject to change without notice. © 2024 Daimler Truck North America LLC. All rights reserved. Freightliner is a division of Daimler Truck North America LLC, a Daimler Truck Holding AG (DTG) company.

DAIMLER TRUCK | Freightliner - A Daimler Group Brand
North America

Daimler Truck Financial

Financing that works for you.

FREIGHTLINER
WORK SMART™

Time and Distance Table

1.1 Freightliner Medium Truck

Description	Coverage ¹	
	Time ²	Distance ²
Basic Vehicle	2 Years	Unlimited
Batteries (Low Voltage)	1 Year	100,000 mi/161 000 km
Brightwork	6 Months	Unlimited
Cab Corrosion/Perforation	5 Years	Unlimited
Cab Structure	5 Years	Unlimited
Corrosion	6 Months	Unlimited
Crossmembers	5 Years	Unlimited
Detroit Assurance ³	3 Years	300,000 mi/483 000 km
Emission Regulations ⁴		
CARB 2022 (Medium Heavy Duty Trucks) ⁵	5 Years	150,000 mi/241 500 km
Diesel Emission 2010 ⁶	5 Years	100,000 mi/161 000 km
GHG21 (Light Heavy Duty Trucks) ⁷	5 Years	50,000 mi/80 500 km
GHG21 (Medium Heavy Duty to Heavy Heavy Duty Trucks/Tractors) ⁷	5 Years	100,000 mi/161 000 km
GHG21 Tire (File Direct) ⁷	2 Years	24,000 mi/38 400 km
Frame Rails	5 Years	Unlimited
Front/Steer Axle ⁸		
Detroit ⁹	2 Years	Unlimited
Non-Detroit	2 Years	Unlimited
Paint	1 Year	100,000 mi/161 000 km
Paint, Chassis	6 Months	Unlimited
Rear Axle ¹⁰		
Detroit ⁹	2 Years	Unlimited
Non-Detroit	2 Years	Unlimited
Transfer Case	2 Years	Unlimited

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Coverage ¹		
Description	Time ²	Distance ²
Transmission ¹¹		
Detroit ⁹	2 Years	Unlimited
Eaton Hybrid	3 Years	150,000 mi/240 000 km
Non-Detroit	2 Years	Unlimited

¹ Because Warranty coverage is determined by a unit’s specifications, gross combination weight rating, road surface, and vocation, coverage may vary. For unit-specific coverage, Dealers should enter a product serial number or vehicle identification number on the *Coverage Info* screen in OWL; for customers without access to OWL, see ordering Dealer for more information.

² Time or distance, whichever comes first.

³ Applies if units spec’d with Detroit Assurance.

⁴ See *Emission Regulations* subsection that follows or separate engine owner’s manual for regulatory information.

⁵ Applies to products spec’d with CARB engine and domicile certification codes.

⁶ Applies to vehicles equipped with EPA 2010 compliant diesel engines.

⁷ GHG21 applies to units built on or after January 1, 2021. Units built prior to January 1, 2021, have GHG14/GHG17 coverage, respectively.

⁸ Customers will have only one (1) type of front/steer axle coverage, either Detroit or non-Detroit, depending on how the unit is spec’d. Front axle coverage is also applicable to gliders. Detroit coverage may vary due to vocation, unit specifications, etc.; table shows the minimum coverage possible. For instructions on accessing unit-specific coverage, please see footnote 1 above.

⁹ Access Detroit parchments at *DTNA Portal > Coverages > Detroit*; for customers without access, see ordering Dealer for more information.

¹⁰ Customers will have only one (1) type of rear axle coverage, either Detroit or non-Detroit, depending on how the unit is spec’d. Detroit coverage may vary due to vocation, unit specifications, etc.; table shows the minimum coverage possible. For instructions on accessing unit-specific coverage, please see footnote 1 above.

¹¹ Customers will have only one (1) type of transmission coverage, depending on how the unit is spec’d. Detroit coverage may vary due to vocation, unit specifications, etc.; table shows the minimum coverage possible. For instructions on accessing unit-specific coverage, please see footnote 1 above.

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Coverage Descriptions

Based on a unit's specifications, New Product Limited Warranty (Warranty) coverage applies. For unit-specific coverage information (time/distance amounts and component descriptions), enter a product serial number or vehicle identification number (VIN) on the *Check Info/Check Coverage* screen in Online Warranty Link (OWL). Use time and distance tables in conjunction with the coverage description paragraphs; if a coverage is applicable, it will be included as a row in the table.

2.1 Axles

Front/Steer Axle

Detroit

A steer axle is non-powered. Coverage includes all axle components supplied/manufactured by Detroit Diesel Corporation (Detroit). Warrantable components could include, but not be limited to, I-beam, steering knuckles, spindles, kingpins, kingpin bearings, and steering arms. Tie rod assembly and boots may have a different coverage period; see specific coverage row. *Excluded components could include, but not be limited to, wheel end equipment and steering linkage components.*

Non-Detroit

A front/steer axle can be a front powered or non-powered axle. Coverage applies to factory-installed axles and includes I-beam, steering knuckles, differential on drive steer axle, spindles, kingpins, kingpin bearings, and steering arms. *Excludes wheel end equipment, tie rod ends, steering linkage components, driveline(s), U-joints, kingpin bushings, kingpin seals, tag axle(s), pusher axle(s), and any axle installed by a service location or body builder.*

Pusher Axle

A pusher axle is a non-driven, weight-bearing axle that can be raised when not required to bear a portion of the load. Since the pusher axle can be of many different configurations, Warranty coverage applies to factory-installed axles and includes all components included in the individual build specification of each individual application. *Excludes any axle installed by a service location or body builder.*

Rear/Drive Axle

Detroit

A rear drive axle can be a single or tandem axle configuration. Coverage includes all axle components supplied/manufactured by Detroit. Warrantable components could include, but not be limited to, axle housing, carrier assembly, differential assembly, power divider, and axle shafts. Seals and gaskets may have a different coverage period; see specific coverage row. *Excluded components could include, but not be limited to, suspension and torque rod brackets, wheel end equipment, wiring, yokes, and attaching hardware.*

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Non-Detroit

A rear axle could be a drive, non-drive, or tandem axle. Coverage applies to factory-installed axles and includes axle housing, carrier assembly, differential assembly, power divider, axle shafts, and gaskets and seals. *Excludes suspension and torque rod brackets, tie rod ends, wheel end equipment, wiring, yokes, driveline(s), U-joints, attaching hardware, tag axle(s), pusher axle(s), and any axle installed by a service location or body builder.*

Tag Axle

A tag axle is a non-driven, continuous weight-bearing axle. Since the tag axle can be of many different configurations, Warranty coverage applies to factory-installed axles and includes all components included in the individual build specification of each individual application. *Excludes any axle installed by a service location or body builder.*

2.2 Basic Chassis/Vehicle

Note: Basic Chassis applies to units without a factory-installed cab, usually Freightliner Custom Chassis Corporation (FCCC) products. Basic Vehicle applies to units with a factory-installed cab, usually Freightliner and Western Star products.

Coverage includes all factory-installed components of the chassis/vehicle that are not excluded elsewhere in the Warranty or described as having a different time, or distance, or hours, or listed separately on each new vehicle coverage table. See the Warranty Manual for a complete list of exceptions and exclusions. Also excluded are components warranted directly by component manufacturer.

2.3 Batteries (Low Voltage)

Cranking Batteries

Coverage applies to these brands: Alliance, East Penn labeled as Alliance, Detroit, DTNA Genuine, and EnerSys (NorthStar, Odyssey); claims for all other brands must be submitted directly to the supplier. Cranking battery warranty includes factory-installed cranking (starter) battery assemblies only. *Excludes APU battery assemblies, battery cables, battery mounting box, and hardware.*

Auxiliary Batteries

Coverage applies to these brands: Alliance, East Penn labeled as Alliance, Detroit, DTNA Genuine, and EnerSys (NorthStar, Odyssey); claims for all other brands must be submitted directly to the supplier. Auxiliary battery warranty includes factory-installed APU battery assemblies only. *Excludes cranking (starter) battery assemblies, battery cables, battery mounting box, and hardware.*

2.4 Brightwork

Coverage includes all factory-installed components with chrome, polished aluminum, or polished stainless steel surfaces. *Excludes any damage to backside of bumpers, and concealed or inner surfaces.*

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2.5 Cab Corrosion/Perforation

Coverage is limited to rust-through or perforation of the cab and integral sleeper structure and sleeper box due to corrosion from within. *Excludes all conditions of rust or corrosion that have not resulted in rust-through or perforation as well as surface rust or corrosion caused by non-adhesion and any damage to paint such as chips or scratches.*

2.6 Cab Structure

Coverage includes cab and integral sleeper structural components, structural components of factory-installed sleeper boxes, sheet metal panels, doors, and hoods. *Excludes all bolt-on components including door and hood hinges, latches, guides, and other mounting hardware.*

2.7 Corrosion

Coverage includes Warranty against corrosion to any metal or metal alloy part of the vehicle.

Excludes:

- Corrosion caused by general rust (e.g., rust on the unfinished backside of a bumper)
- Surface rust caused by chips or scratches in the paint or chrome surfaces
- Corrosion caused by severe wash solutions, cleaning solvents, detergents, compounds
- Corrosion caused by salinity in the environment or corrosive salts and/or chemicals used on the road surface
- Corrosion due to improper use, misuse, or abuse, negligence, including improper or insufficient maintenance
- Corrosion due to ocean spray
- Corrosion due to environmental damage, including airborne fallout (includes chemicals, tree sap, etc.), or other atmospheric conditions, or other acts of nature
- Corrosion due to damage caused by high-pressure washing
- Corrosion caused by acid rain or other industrial fallout
- Corrosion due to improper prevention measures during storage or use
- Corrosion or rust on tone rings, rotors, or drums

2.8 Crossmembers

Coverage includes crossmembers, gussets, and huck-mounting bolts that attach gussets to crossmembers and gussets/crossmembers to frame rails. *Excludes any bolt-on item attached with either conventional or huck bolts.*

2.9 Detroit Assurance

Coverage includes these factory-installed components: radar sensor, camera, wiring harness, and video radar decision unit (VRDU) controller. *Excludes connecting components to the vehicle or mating systems.*

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2.10 Frame Rails

Coverage is limited to breaking or cracking of factory-installed frame rails, frame rail liners, frame rail extensions, and any item(s) factory welded to them. *Excludes all bolt-on items attached with either conventional or huck bolts.*

2.11 Glider

A glider is a vehicle that may be ordered without major components. Coverage includes all components identified on the build specification.

2.12 Paint (Body, Cab, Cowl)

Body Paint

Coverage includes all factory-painted exterior body surfaces and defects such as orange peel, peeling/delaminating, cracking/checking, or loss of gloss due to cracking, checking, or hazing. *Excludes lack of gloss issues on vehicles painted with low gloss colors; the undersides of hoods and roofs and side mounted air fairings; and any damages to the paint or painted surface such as chips and scratches.*

Cab Paint

Coverage includes all factory-painted surfaces (except those included in chassis paint coverage) and defects such as orange peel, peeling/delaminating, cracking/checking, or loss of gloss due to cracking, checking, or hazing. *Excludes lack of gloss issues on vehicles painted with low gloss colors; the undersides of hoods and roofs and side mounted air fairings; and any damages to the paint or painted surface such as chips and scratches.*

Cowl Paint

Coverage includes all factory-painted exterior surfaces of cowl structure (except those included in chassis paint coverage) and defects such as orange peel, peeling/delaminating, cracking/checking, or loss of gloss due to cracking, checking, or hazing. *Excludes lack of gloss issues on vehicles painted with low gloss colors; the undersides of hoods and roofs and side mounted air fairings; and any damages to the paint or painted surface such as chips and scratches.*

2.13 Paint (Chassis)

Coverage includes all factory-painted surfaces on frame rails, crossmembers/gussets, front and rear bumpers, suspension components, powertrain components, drivelines, fuel tanks, air tanks, wheel end equipment, tool boxes, battery boxes, access steps, attaching brackets and hardware, and defects such as peeling or non-adhesion. *Excludes U-joints and any damages to paint or painted surface such as chips and scratches.*

2.14 Transfer Case

Coverage includes housing and all internally lubricated parts. *Excludes broken synchronizer pins, power take-offs (PTOs), airlines, gauge, clutch assemblies, driveline(s), and U-joints.*

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2.15 Transmission

Detroit

Coverage includes all transmission components supplied/manufactured by Detroit. *Excludes maintenance items.*

Eaton Hybrid

Eaton requires that only hybrid-authorized dealerships work on units equipped with Eaton hybrid parts. Pre-authorization is required prior to repair of these vehicles in order to obtain technical assistance and a pre-authorization number for replacement parts. Eaton hybrid parts will be shipped directly from Eaton and will not be stocked in the Parts Distribution Centers (PDCs) due to the short shelf life and low volume. The following hybrid parts are covered under this Warranty: power electronics carrier (PEC), motor generator, inverter, AC/DC converter, hybrid control module (HCM), transmission control module (TCM), clutch, and electronic clutch actuator (ECA). Coverage does NOT include oil cooler or cooling systems. Please refer to Roadranger Warranty Guide TCWY0900 for more information on complete listing of limits and exclusions, as well as terms and conditions.

Non-Detroit

Coverage does not include Allison transmissions or Eaton Hybrid transmissions. Coverage includes housing and all internally lubricated parts, electric/air shift/control units, valves, gaskets, and seals. *Excludes broken synchronizer pins, PTOs, airlines, gauge, clutch assemblies, driveline(s), and U-joints.*

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New Product Limited Warranty Statements

The following section outlines standard Limited Warranty (Warranty) statements for all new Daimler Truck North America LLC (DTNA; Company) products sold by DTNA and domiciled in the USA (50 states and Washington, D.C.) and Canada. As necessary, information below may be divided by DTNA product type; this information is also included in the applicable Owner's Warranty Information Booklet.

Based on a product's specifications, Warranty coverage varies. For product-specific coverage information (time/distance amounts and component descriptions), enter a product serial number or vehicle identification number (VIN) on the *Coverage Information* screen in the OWL. General time/distance amounts and coverage descriptions are available by DTNA brand at [DTNA Portal](#) > [Coverages](#).

3.1 New Vehicle Limited Warranty Statement

Under this New Vehicle Limited Warranty, DTNA warrants that each new vehicle will be free from defects in material and workmanship that occur under normal use within the applicable Warranty period, subject to certain limitations and exclusions as specified in this document.

This Limited Warranty applies only to new vehicles sold by an Authorized DTNA Service Location or ordered directly from DTNA; vehicles sold at auction or as a result of repossession retain the Warranty coverage from the original in-service date or factory invoice date if the vehicle has not been warranty registered.

DTNA reserves the right to reduce or remove coverage on vehicles in salvage condition.

This Warranty covers all components and parts unless specifically covered by other warranties or otherwise excluded by this document.

3.2 New Powertrain Component Statements

Engine components are covered by two types of warranties, the standard Limited Warranty and the Emission Control Systems Warranty, a requirement of the U.S. (Federal) Clean Air Act and Canada Motor Vehicle Safety Act. Axle and transmission components are covered by the standard Limited Warranty.

New Powertrain Component Limited Warranty

The New Product Limited Warranty covers product repairs to correct any malfunction occurring during the Warranty period resulting from defects in material or workmanship. This Limited Warranty applies to the first retail purchaser and subsequent retail owners during the applicable Warranty period of new powertrain components manufactured by Detroit Diesel and/or supplied by Detroit Diesel or Detroit Diesel of Canada Limited (all which are collectively referred to as Detroit), subject to certain limitations and exclusions as specified in this document.

The Warranty period begins on the date the product is delivered to the first retail purchaser or put in use prior to sale at retail, whichever occurs first, and ends at the specified time or distance limits.

The cost of service supplies which are not reusable due to needed repairs is covered by this Warranty. Reasonable towing costs to the nearest authorized service facility are covered when due to warrantable failure, the powertrain component is either inoperable, cannot be safely operated, or continued operation would cause further damage to the product. Detroit will pay reasonable travel expenses for the repairing mechanic to travel to and from the repair site.

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Engine Major Component Warranty Coverage

Engine major component warranty covers casting defects. Casted engine major components are: cylinder block/head, crankshaft, camshaft, main bearing bolts, flywheel housing, connecting rod assemblies, oil cooler housing, oil coolant module casting, water pump housing, and air inlet housing. Coverage is for the failed engine major component only; labor and additional parts are excluded. Progressive damage is limited to only the engine major component(s) affected by the failure.

Engines used in the on-highway application may carry longer coverage on engine major components; review the applicable Warranty parchment for coverage:

- MBE4000, Series 60, DD13, DD15, DD16 diesel fueled engines in on-highway applications (on-highway refers to a truck or coach designed and used to carry passengers and/or cargo, primarily on streets or paved highways)

Emission Control Systems Warranty

For detailed information about product compliance with U.S. and Canadian law regarding design, build, and equipment, see the [Emission Regulations \(Diesel Vehicles\)](#) section. Please note that emission-related components no longer covered under the Limited Warranty described above may still be covered under the Emission Control Systems Warranty.

Certified Engines and Engine Parts

The Warranty period shall begin on the date the vehicle is delivered to the first retail purchaser or, if the vehicle is first placed in service as a demonstrator prior to sale at retail, on the date the vehicle is first placed in such service. Emission related defects in the genuine Company components listed in the [Emission Regulations \(Diesel Vehicles\)](#) section, including reasonable related diagnostic costs, are covered by this Warranty.

Covered components and component terminology varies from engine to engine. Some scheduled maintenance is required (refer to the Owner's Emission Control Maintenance Service Chart which is included in the Warranty Information booklet). Please check the specific Warranty Information Booklet to determine which components are covered by the emissions control systems warranty.

Service Locations should refer to the applicable Engine Warranty Information booklet to determine if a particular component is covered by the Emission Control Systems Warranty, as the components covered differ on each engine type as well as from year to year.

3.3 Limitations

This Warranty does not apply to products that are sold or domiciled outside of the United States (50 states and Washington, D.C.) or Canada.

This Warranty does not apply to non-Detroit engines, Allison transmissions, tires, or other components or parts that are not manufactured by Company and that are warranted directly by their respective manufacturers. Progressive damage caused by these manufacturers' components to any other parts including, but not limited to, parts installed by Company is excluded from Company warranty coverage. With respect to the foregoing, Company makes no Warranty whether express, implied, statutory or otherwise including, but not limited to, parts installed by Company is excluded from Company Warranty coverage. With respect to the foregoing, Company makes no Warranty whether express, implied, statutory, or otherwise including, but not limited to, any Warranty of merchantability or fitness for a particular purpose.

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THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND WHETHER WRITTEN, ORAL, OR IMPLIED INCLUDING, BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY SPECIFICALLY EXCLUDES ANY OTHER WARRANTIES OR CONDITIONS PROVIDED FOR BY LAW, WHETHER STATUTORY OR OTHERWISE.

COMPANY'S SOLE OBLIGATION UNDER THIS WARRANTY SHALL BE TO REPAIR OR REPLACE, IN COMPANY'S SOLE DISCRETION, ANY DEFECTIVE COMPONENT OR PART. SUCH REPAIR OR REPLACEMENT SHALL BE WITHOUT COST TO PURCHASER WHEN PERFORMED WITHIN THE APPLICABLE WARRANTY PERIOD (TIME, DISTANCE, OR HOUR LIMIT, WHICHEVER OCCURS FIRST).

Purchaser must notify Company, within the applicable Warranty period, of any failure of the product to comply with this Warranty and Purchaser must, at Purchaser's expense, promptly return the unit to an Authorized Service Facility for inspection and repair or replacement of any defect in material or workmanship occurring within the applicable Warranty period. During New Product coverage, Warranty reimbursement will not be paid on repairs performed by customers on their own vehicles without a current Customer Performed Warranty Agreement (CPWA).

The product must be maintained and serviced according to the prescribed schedules outlined in the Driver's/ Operator's and Maintenance Manuals. Receipted bills and other evidence showing that required maintenance and service have been performed are required by Company as a condition of this Warranty.

After the Company's obligations under this Warranty expire, all liabilities of Company to Purchaser under this Warranty shall terminate. Repairs made under this Warranty do not constitute an extension of the original Warranty period for the vehicle or for any specific component or part.

To the extent that any provision of this Warranty contravenes the law of any jurisdiction, such provision shall be inapplicable in such jurisdiction, and the remainder of the Warranty shall not be affected.

3.4 Purchaser's Exclusive Remedy

THIS WARRANTY SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST COMPANY, WHETHER IN CONTRACT, UNDER STATUTE (INCLUDING STATUTORY PROVISIONS AS TO CONDITIONS AS TO QUALITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF GOODS SUPPLIED PURSUANT TO THE CONTRACT OF SALE), WARRANTY, TORT, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY.

3.5 Limitation of Liability

COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE COST TO REPAIR OR REPLACE, IN COMPANY'S SOLE DISCRETION, THE DEFECTIVE COMPONENT OR PART THAT IN NO EVENT SHALL EXCEED THE FAIR MARKET VALUE OF THE PRODUCT AT THE TIME THE DEFECT IS DISCOVERED.

IN NO EVENT SHALL COMPANY BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, INJURIES TO PERSONS OR DAMAGE TO PROPERTY, LOSS OF PROFITS OR ANTICIPATED PROFITS, OR LOSS OF PRODUCT USE.

3.6 Emission Regulations (Diesel Vehicles)

Vehicles and engines are designed, built, and equipped so as to conform, at the time of sale, with requirements of manufacturers whose vehicles and engines are designed to meet applicable Greenhouse Gas (GHG) and Fuel Efficiency Standards of the U.S. (Federal) Environmental Protection Agency (EPA), Emission Regulations under the Canada Motor Vehicle Safety Act in Canada, and the California Air Resources Board (CARB). Engines and vehicles

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are free from defects in material and workmanship which cause the engine or vehicle to fail to conform with those regulations for the Warranty period.

Coverage is determined based on engine and vehicle emissions model year. To determine an engine's emissions model year, refer to the EPA/CARB certification label on the engine. To determine the vehicle's emissions model year, refer to the EPA/CARB certification label on the driver's door or door jamb.

The GHG warranty period is 5 years/100,000 miles (whichever occurs first) of operation or the New Product Warranty, if the product warranty is longer for all emission-related components except tires and 2 years/24,000 miles (whichever occurs first) for the tires.

For CARB 2022, diesel engines certified to California model year 2022 and later standards come with emission warranty periods of 5 years/150,000 miles (whichever occurs first) if medium heavy duty and 5 years/350,000 miles (whichever occurs first) if heavy heavy duty.

The Warranty obligations are not dependent upon the use of any particular brand of replacement parts. The Owner may elect to use non-Genuine Company Parts for replacement purposes. Use of replacement parts which are not of equivalent quality may impair the effectiveness of emission control systems. If other than Genuine Company Parts are used for maintenance replacements or for the repair of components affecting emission controls, the Owner should assure himself/herself that such parts are warranted by their manufacturer to be equivalent to Genuine Company Parts in performance and durability.

Coverage exclusions are listed in *Coverage Exclusions* elsewhere in this section.

Components ¹	Diesel Emission 2010		Gasoline Evaporative Emission 2011 ²	GHG21 ³	
	Detroit Engine	DTNA Installed ⁴	DTNA Installed	Detroit Engine	DTNA Installed ⁵
A-Pillar Turning Vane					X
Aerodynamic Quarter Fenders					X
Aerodynamic Roof Fairings					X
Aerodynamic Roof Fairings (Adjustable Height)					X
Aerodynamic Side Fairings					X
Aerodynamic Wheel Covers					X
Aftertreatment System (ATS) Aftertreatment Control Module (ACM)	X			X	
Air Cleaner (Excludes Filter Element)			X		
Air Conditioning Component Leakage					X
Air Intake Pipes			X		
Air Intake Resonator			X		
Ambient Air Temperature (AAT) Sensor					X
ATS Aftertreatment Device (ATD) Wiring Harness	X			X	
ATS Diesel Exhaust Fluid (DEF) Coolant Supply Valve & DEF Coolant Lines		X			

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Components ¹	Diesel Emission 2010		Gasoline Evaporative Emission 2011 ²	GHG21 ³	
	Detroit Engine	DTNA Installed ⁴	DTNA Installed	Detroit Engine	DTNA Installed ⁵
ATS DEF Pump	X			X	
ATS DEF Fuel Rail Pressure Sensor	X			X	
ATS DEF Fuel Pressure Sensor (Low)	X			X	
ATS DEF Low Dosing Unit	X			X	
ATS DEF System Air Pressure Regulator & Associated Air Lines		X			
ATS DEF System Chassis Interface Harness		X			
ATS DEF Tank		X			
ATS DEF Tank DEF Level Gauge		X			
ATS DEF Tank DEF Temperature Sensor		X			
ATS DEF Tank Heater Tubing		X			
ATS DEF Temperature Sensor NOX Sensors	X			X	
ATS Diesel Oxidation Catalyst (DOC) Inlet Temperature Sensor	X			X	
ATS DOC Outlet Temperature Sensor	X			X	
ATS Diesel Particulate Filter (DPF) Inlet Pressure Sensor	X			X	
ATS DPF Outlet Pressure Sensor	X			X	
ATS DPF Outlet Temperature Sensor	X			X	
ATS Doser Block Assembly	X			X	
ATS Electrically-Heated DEF Lines		X			
ATS Fuel Doser Valve	X			X	
ATS Oxidation Catalyst	X			X	
ATS Particulate Filter	X			X	
ATS Selective Catalytic Reduction (SCR) Catalyst	X			X	
Automatic Engine Shutdown Timer - Sleep Cab Tractors: Includes Auxiliary Technologies (Battery or Diesel Auxiliary Power Unit, Fuel-Operated Heater, Engine Start-Stop)					X
Automatic Engine Shutdown Timer - Vocational					X
Automatic Tire Inflation System					X
Cam Sensor			X		
Camshaft Position Sensor	X			X	

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Components ¹	Diesel Emission 2010		Gasoline Evaporative Emission 2011 ²	GHG21 ³	
	Detroit Engine	DTNA Installed ⁴	DTNA Installed	Detroit Engine	DTNA Installed ⁵
Catalytic Converter			X		
Charge Air Cooler		X			
Charge Air Cooler Outlet Sensor	X			X	
Chassis Fairing Skirts					X
Coolant Outlet Temperature Sensor	X			X	
Coolant Sensor			X		
Crank Sensor			X		
Crankshaft Position Sensor	X			X	
Data Link Connector		X	X		X
Delta P Sensor	X			X	
Drive Wheel Fairings					X
Engine Coolant Temp Sensor			X		
Engine Control Module (ECM)			X		
Engine Start/Stop System					X
Evap Canister & Evap Canister Vent Solenoid			X		
Exhaust Gas Piping from the Turbocharger out to the Last ATD		X			
Exhaust Gas Recirculation (EGR) Cooler	X			X	
EGR Valve & Actuator	X			X	
Exhaust Manifold & Exhaust Manifold Gaskets			X		
Exhaust Pipes (Between Exhaust Manifold & Catalyst)			X		
Fuel Injectors	X		X	X	
Fuel Lines			X		
Fuel Rail			X		
Fuel Tank			X		
Fuel Tank Fairings (Chassis Fairings)					X
Fuel Tank Pressure Sensor			X		
Fuel Temperature Sensor	X			X	
Gap Reducing Fairings					X
Gas Cap			X		

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Components ¹	Diesel Emission 2010		Gasoline Evaporative Emission 2011 ²	GHG21 ³	
	Detroit Engine	DTNA Installed ⁴	DTNA Installed	Detroit Engine	DTNA Installed ⁵
High Pressure Fuel Pump	X			X	
Ignition Coils			X		
Intake Manifold Pressure Sensor	X			X	
Intake Manifold Temperature Sensor	X			X	
Intake Throttle Valve & Adaptor	X			X	
Knock Sensors			X		
Malfunction Indicator Lamp (MIL)		X	X		X
Manifold Absolute Pressure (MAP) Sensor			X		
Mass Air Flow Sensor			X		
Motor Control Module (MCM)	X			X	
Neutral at Stop - Allison Automatic Transmissions ⁶					X
Neutral Coast - Detroit eCoast, Cummins/Eaton Smart-Coast ⁶					X
Oxygen (O ₂) Sensors			X		
Oil Fill Cap			X		
Oil Temperature Sensor	X			X	
Positive Crankcase Ventilation (PCV) Hose (Engine to Air Intake Pipe)			X		
Predictive Cruise Control - Detroit Intelligent Powertrain Management (IPM), Cummins Predictive Cruise Control					X
Purge Control Valve			X		
Rear Axles ⁶					X
Roof Spoilers					X
Side Extenders					X
Spark Plugs ⁷			X		
Spark Plug Wires			X		
Temperature-Barometric Air Pressure Sensor					X
Throttle Body			X		
Throttle Pedal			X		
Tire Pressure Monitoring System					X

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Components ¹	Diesel Emission 2010		Gasoline Evaporative Emission 2011 ²	GHG21 ³	
	Detroit Engine	DTNA Installed ⁴	DTNA Installed	Detroit Engine	DTNA Installed ⁵
Tires ⁸					X
Transmissions ⁶					X
Transmission Control Module			X		
Transmission Speed Sensor			X		
Turbo Speed Sensor	X			X	
Turbocharger	X			X	
Vapor Lines			X		
Vehicle Speed Limiter					X
Vehicle Speed Sensor (Transmission Main Shaft)		X			X
Wait to Start Indicator/Lamp					X

¹ Per California Emission Control Systems Warranty Statement, DTNA must warrant the emission control system components for the vehicle in accordance with either Diesel Emission 2010 or Gasoline Evaporative Emission 2011, whichever is applicable.

² Coverage period is 5 years/50,000 miles (80 500 km), whichever occurs first.

³ GHG21 applies to units built on or after January 1, 2021. Units built prior to January 1, 2021, have GHG14/GHG17 coverage, respectively.

⁴ The following are excluded under Emissions coverage but are covered under standard New Vehicle Warranty coverage:

- ATS ACM Mounting Bracket and Protective Cover
- DEF Tank Mounting Brackets/Hardware
- DEF Pump Mounting and Protective Cover

⁵ Diesel Emission 2010 components and emission-related defects in the marked components listed are included in this coverage. Coverage duration:

- Spark-ignition engines and light heavy-duty vehicles – 5 years/50,000 miles (80 500 km), whichever occurs first
- Compression ignition engines and medium and heavy heavy-duty vehicles – 5 years/100,000 miles (161 000 km), whichever occurs first

⁶ To the extent warranted under component manufacturers’ GHG21 emission-related warranty responsibilities, as detailed in warranty documentation.

⁷ Spark plugs are warranted under Basic Chassis coverage or until the first required maintenance, whichever comes first.

⁸ Coverage period is 2 years/24,000 miles, whichever occurs first. File claims directly to tire manufacturer.

3.7 Coverage Exclusions

The following components, parts, or conditions are specifically excluded from coverage under this Warranty.

Note: Parts found defective prior to installation must be filed as a Parts Adjustment Request (PAR) to the Parts Distribution Center (PDC).

Aerodynamic Wheel Covers

Aerodynamic wheel covers are excluded from coverage under Warranty.

Note: Mounting loose covers on Freightliner Cascadia trucks may be reimbursed; varies by model/specifications.

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Air Springs

Tolerance buildup can occur during the assembly process of the rear suspension and rear cab air springs, and can cause the springs to have the appearance of being crooked, misaligned, or improperly installed. This tolerance buildup is not detrimental to the operation of the vehicle and will not have an effect on either the quality of the ride or the durability of the components or vehicle. Straightening of these springs is not covered under Warranty.

Alignment of Axles/Wheels/Steering Wheel

Each DTNA vehicle manufacturing plant uses an integrated alignment system to align axles and wheels and to center the steering wheel to DTNA specifications. Realignment or readjustment of these items, including steering stops and steering poppets, is not covered under Warranty.

Any special alignment settings at the request of the Owner must be handled between the service location and Owner after delivery from factory. These special adjustments are not covered under Warranty.

Axle Breather Vents

During the manufacturing process, an oil run or drip stain may appear at the breather vent. Removing the vent, applying pipe sealant to the threaded vent fitting and re-installing the vent is unnecessary. Removing the axle breather vent and re-sealing the threaded fitting is not covered under this Warranty.

Cab Interior Components

The repair or replacement of cab interior components that are rendered unserviceable due to normal wear or abuse are not covered under this Warranty.

These components include, but are not limited to:

- Curtains
- Floor coverings (including floor mats)
- Painted trim components
- Steering wheel
- Steering wheel wrap
- Upholstery
- Window shades

Chrome Surfaces, Aluminum, and Stainless Steel Components

The following items ARE covered under this Warranty:

- Chrome peeling off in sheets
- Chrome cut at mounting bolts due to over-torque at the factory
- Bubbles in the chrome that are not caused by rock chips and/or general rust conditions
- Isolated rust along seams or welds

The following items are NOT covered under this Warranty:

- General rust (e.g., rust on the unfinished backside of a bumper)

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- Dimpling at the mounting bolts
- Staining, bluing, and/or yellowing that can be cleaned with a quality cleaning product
- Rust, pits, and/or nicks caused by road wash or road debris breaking the chrome surface
- Streaks/stains/corrosion caused by severe wash solutions or corrosive road salts/chemicals

Claims pertaining to failures of chrome surfaces, aluminum, and stainless steel components will not be processed unless a clear photo is provided that adequately shows the defect.

Clutch Adjustment

Clutch adjustments are normally required due to clutch wear and are considered normal maintenance. However, if the clutch adjustment is found to be outside of Company specifications during, or prior to, product in-service, a claim will be accepted on a one-time basis.

Claims for clutch adjustments will not be accepted unless the adjustment is found to be outside of Company specifications using the special clutch adjustment measuring tools provided by Company (e.g., adjusting the clutch to satisfy feel will not be accepted as Warranty).

Competition

Warranty will become void on any product that is used in competition including, but not limited to:

- Racing
- Tractor pulls
- Other motor sports

Consumable Parts

Parts that are subject to consumption during their normal service life and are routinely replaced during normal maintenance services are covered up to 15,000 miles (24 000 km) for all DTNA vehicles except TBB bodies and chassis. TBB consumable parts are covered up to 30 calendar days from the date of in-service. These items are:

- Antennas (exception: satellite radio antennas)
- Ashtrays
- Belts
- Brake linings
- Cigarette lighter assembly
- Clutch brake
- Clutch linings
- Data logger batteries
- Desiccant cartridges
- Fire extinguishers
- Flash tubes
- Fluorescent ballast and tubes
- Fuses
- Gladhand
- Hosetennas

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- Light bulbs*
- Lower center bumper air dam
- Mattresses
- Mud flaps
- Mud flap mounting brackets
- Caps (including, but not limited to, DEF, fuel, radiator, surge tank)
- Receiver-drier filter
- Trailer air hoses
- Trailer electrical cables
- Windshield washer nozzles
- Wiper arms and blades (TBB makes - wiper blades only)

** Sealed light and LED assemblies are not considered consumable.*

The cost of consumable parts which are not reusable due to needed warrantable repairs is covered by this Warranty; examples include but are not limited to:

- Antifreeze
- Coolant
- Filters
- Fluids
- Grease/lubricants
- Oil

Corrosion

Coverage provides Warranty against corrosion to any metal or metal alloy part of the vehicle. Rust or corrosion to specific components and/or caused by certain conditions are excluded from all Company Warranty coverage and will not be paid under Basic Vehicle, Cab Structure, Cab Corrosion, Aftermarket Parts Warranty, or Extended Service Coverage.

Exclusions to corrosion Warranty include, but are not limited to, the following:

- Corrosion caused by general rust (e.g., rust on the unfinished backside of a bumper)
- Surface rust caused by chips or scratches in the paint or chrome surfaces
- Corrosion caused by high-pressure washing, severe wash solutions, cleaning solvents, detergents, compounds
- Corrosion caused by salinity in the environment or corrosive salts and/or chemicals used on the road surface
- Corrosion caused by acid rain or other industrial fallout
- Corrosion due to improper prevention measures during storage or use
- Corrosion or rust on tone rings, rotors, or drums
- Corrosion due to environmental damage (including ocean spray); airborne fallout (includes chemicals, tree sap, etc.), or other atmospheric conditions or other acts of nature
- Corrosion due to improper use, misuse, or abuse, negligence, including improper or insufficient maintenance

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Damage

The following are not covered under Warranty:

- Damage caused by use of the vehicle in any application that is not approved or is inconsistent with build specifications
- Damage resulting from improper use or misuse or abuse, negligence, improper operation, improper or insufficient maintenance (including, but not limited to, failure to maintain vehicle as outlined in the Driver's/Operator's and Maintenance Manuals), overloading, unauthorized modifications, accidents, or operation at excessive speeds
- Environmental damage, including airborne fallout (including chemicals, tree sap, etc.), or other atmospheric conditions, hailstones, or other acts of nature
- Damage caused by road salts/chemicals or cleaning solvents, detergents, or compounds
- Storage deterioration including damage caused by improper or insufficient storage or maintenance
- Damage caused by road hazards or road conditions
- Damage caused during shipping/transport after initial delivery of vehicle
- Damages (including peeling or flaking) caused by high-pressure washing or steam cleaning
- Damages occurring after in-service (e.g., from rock chips)
- Damages caused by customer-installed sealer in air conditioning systems
- Damages caused by non-factory approved engine horsepower/torque upgrades
- Damage due to vibration associated with misapplication or improper operation of drivetrain components
- Damage due to terrorist activities
- Damage due to acts of war

Engine

Any DTNA engine in a vehicle on which odometer mileage has been changed so the mileage cannot be readily determined is excluded from Warranty.

Non-DTNA engines, including all of its components as supplied by the non-Company engine manufacturer, are excluded from Warranty but are warranted separately by the manufacturer of the engine. For non-DTNA engine warranty or service, contact the engine manufacturer's authorized sales and service facility.

Engine Brakes, Air Compressors, and Other Proprietary Engine Components

The engine manufacturer installs most air compressors and engine brakes. Any failure of a proprietary engine component or Jake Brake® component must be filed directly to the engine manufacturer.

Failures on Company engines and non-proprietary engine components can be filed through DTNA.

Exhaust System Clamps

During the early life of the vehicle or when the engine is cold, many exhaust clamps exhibit a soot trace. This condition is self-correcting and does not require adjustment, tightening, or replacement of the clamp. Claims for adjusting or tightening will not be paid under Warranty.

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Fifth Wheels

Adjustment of the locking mechanism, bushings, slide locking plungers, and the repair or replacement of lock guards are considered routine maintenance and are not covered under this Warranty.

Glass, Mirrors, Lens

Conditions excluded from Warranty include but are not limited to:

- Breakage
- Chips
- Scratches
- Cracks

Initial Operating Period

During a vehicle's Initial Operating Period (IOP), repair on components found loose and included on a scheduled maintenance table may be reimbursed by Company. The IOP for DTNA vehicles is as follows:

Make	IOP ¹
Freightliner, Western Star	Up to 15,000 miles/24 000 km ²
FCCC	Up to 25,000 miles/40 000 km ²
TBB Bodies and TBB Chassis ³	Up to 6 months from in-service date

¹ IOP does not apply to powertrain components.

² The IOP begins at zero (0) distance; the in-service distance does not affect the IOP distance limits.

³ TBB applications utilizing FCCC chassis retain the FCCC IOP separate from the TBB body.

Routine maintenance, servicing, and adjustment, as defined in the applicable Vehicle Maintenance Manual and Driver's Manual, are excluded from Warranty.

Periodic adjustment or re-torque of wheel bearings, wheel lug nuts, and suspension U-bolts are considered maintenance adjustments and are not covered under Warranty.

Vibrations, squeaks, rattles, loose fittings/clamps, hose fitting leaks, loose nuts/bolts/screws, and loose electrical connections may develop during the initial trip(s) of the vehicle; associated repairs/adjustments are covered under Basic Warranty unless the distance at which the condition occurs exceeds the published maintenance interval for the component.

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- Components included on a scheduled maintenance table that have loosened at a time or distance exceeding the first scheduled maintenance or outside the IOP, whichever is greater, are not covered under Warranty and are the responsibility of the customer.

Components Found Loose <u>and</u> Included on a Scheduled Maintenance Table	Prior to First Scheduled Maintenance	After First Scheduled Maintenance
Within IOP	File Claim	File Claim
Outside IOP	File Claim	Customer Responsibility

- Components that do not appear on scheduled maintenance tables are not subject to IOP limitations and are covered per the applicable coverage and exclusions.

Consumable items are addressed separately from IOP; see [Consumable Parts](#) elsewhere in this section for details.

Exclusions from Warranty during the IOP are:

- Cab, hood, and fender-mounted mirrors are adjusted at the factory but may be retracted by the transporter to prevent damage during transport. Subsequent adjustments and tightening of mirror mounting hardware are considered part of the routine preparation of the vehicle before Customer delivery. Claims for adjusting the mirrors or tightening of the attaching hardware will not be paid under Warranty during or after the IOP.
- Claims for re-routing of electrical wiring, hoses, or lines which meet DTNA’s routing standards will not be paid under Warranty during or after the IOP. However, if during the IOP, evidence of a potential failure (e.g., rubbing or chaffing that would lead to a short in a wire or a hole in a hose/line) is found where a line, hose, or electrical wiring is mis-installed and is making contact with one of the following, a one-time claim for correcting the routing will be accepted:
 - Hot surface
 - Moving part
 - Sharp edge

Such claims should be filed with *28 - Part Improperly Installed* as the Cause code. Keep photos that clearly show evidence of rubbing or chaffing due to mis-installation on file.

Note: Preventative re-routing for other conditions not listed above is not considered warrantable. However, if a line, hose, or electrical wiring actually fails (i.e., leaks or shorts) due to rubbing or chaffing on any surface, such failures are covered per the applicable coverage and exclusions.

- Final preparation of the vehicle for Customer delivery to include cleaning/vacuuming interior of cab, washing windows, washing the exterior of the vehicle, and polishing exterior chromed or painted surfaces are considered as ordering location responsibilities. Claims for these activities will not be paid under Warranty during or after the IOP.

Loose Components

During the manufacturing process, certain components are placed in the cab of the vehicle or strapped down to the chassis. It is the service location’s responsibility to mount these shipped loose items in the correct location on the vehicle. Mounting the shipped loose items below will not be covered under Warranty.

These items include, but may not be limited to:

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- Aerodynamic wheel covers
 - Exception: Mounting covers on Freightliner Cascadia trucks may be reimbursed; varies by model/specifications
- Antennas
- Chrome lug nut covers
- Decals & paperwork
- Driver's pouch
- Fire extinguishers
- Jacks
- License plate brackets
- Mattress
- Reflectors with flares
- Reflectors without flares
- Spare wheels/tires
- Tire inflation hoses
- Trailer cables (air/electrical)
- Winter fronts

Misapplication of Product

The Warranty on any product used inconsistent with its specified vocation/application will be downgraded to the Warranty that is consistent with product use. Any and all claims associated with the misapplication of the product will be subject to chargeback.

Miscellaneous Expenses

Premium charges and work not directly related to the repair or replacement of a warranted part are not reimbursed, unless specifically stated elsewhere in the applicable Warranty coverage. Examples include, but are not limited to:

- Federal, state, provincial, and local taxes
- Travel expenses
- Loss of revenue
- Customer labor, including overtime labor
- Downtime
- Driver's expenses
- Cost of rental equipment
- Loss of cargo, including perishable cargo
- General housekeeping and bulk shop supplies (e.g., shop rags, solvents, sweeping compounds, coveralls, etc.)
- Communication charges
- Towing/road call assistance
- For non-powertrain component repairs, the removal, repair, or replacement of:

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- Components/parts and optional items that are not sold or installed by Company
- Equipment installed by a body builder, customer, or service location
- Dynamometer testing on non-Company engines after repairs have been performed
- Shop hardware supplies that are not itemized on the claim as “parts used” (e.g., common bolts, washers, nuts, tie straps, cotter pins, etc.)
- Time spent waiting at a counter to obtain a part, etc.
- Environmental fees, cleanup, or other charges
- Cost of emergency services

Modifications to Original Equipment

Company does not warrant product modifications or equipment installations unless performed at a Company Custom Truck Services (CTS) Center. In addition, the extra time necessary to remove body builder-installed items and/or equipment to work on a warrantable repair is not covered under this Warranty unless Company sells the complete chassis/body/equipment as a package.

If service locations or Customers perform any product modifications or equipment installations, to the extent these modifications or equipment installations adversely affect other vehicle components or vehicle performance, Company shall not accept any product liability or claims under the terms of the product Warranty. These claims become the sole responsibility of the person performing the modifications or equipment installations.

Paint

The following exclusions to paint warranty include, but are not limited to:

- Complete chassis re-painting to repair paint damages
- Damages occurring after in-service (e.g., from rock chips)
- Peeling/flaking caused by high-pressure washing or steam cleaning
- Rusting of painted bumpers
- Removal and/or replacement of decals, striping, and/or lettering not applied by Company

Specific areas of the vehicle are deliberately not painted or are not painted to any standard; paint repairs are not warrantable to such areas. These areas include:

- Underside of the hood, including the inside of the wheel wells
- Underside of the roof-mounted air fairings
- Underside of the exterior sun visor
- Inside of the side-mounted air fairings
- Inside of the bumper
- Aftertreatment devices

Gloss

Gloss claims pertaining to gloss issues on vehicles painted with low-gloss colors (as identified in the Truck/Bus Sales Order) will not be covered under Warranty.

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Routine Maintenance

Routine or preventative maintenance, servicing, and adjustment, as defined in the applicable Vehicle Maintenance Manual and Driver's Manual, are excluded from Warranty.

Periodic adjustment or re-torque of wheel bearings, wheel lug nuts, and suspension U-bolts are considered maintenance adjustments and are not covered under Warranty.

Vibrations, squeaks, rattles, loose fittings/clamps, hose fitting leaks, loose nuts/bolts/screws, and loose electrical connections may develop during the initial trip(s) of the vehicle and these types of repairs/adjustments are covered under Warranty one (1) time during the applicable IOP unless excluded above.

Reminder: After the IOP, these developments are the result of use and their repair/adjustment activities are considered routine maintenance and thus excluded from Warranty.

Tampering/Misuse

Conditions resulting from tampering, misuse, improper adjustments, alteration, accident, failure to use recommended fuel or non-performance of required maintenance services are not covered.

It is a violation of U.S. federal law to alter the engine, exhaust plumbing, aftertreatment system, diesel exhaust fluid system, or other vehicle components in any way that would bring the engine/vehicle out of compliance with certification requirements [Ref: 42 U.S.C. §7522(a)(3)]. It is the Owner's responsibility to maintain the vehicle so that it conforms to EPA regulations.

Test Products

Any product(s) used in testing must be identified to the Warranty Department and accommodations must be made for claims that relate to the test item(s).

Any product used in endurance testing, such as the Altoona Test, are void of all Warranty, including but not limited to New Product Warranty, Aftermarket Parts Warranty, Extended Service Coverage, or any Company additional or used truck coverage.

Tires and Tire Balancing

The tires are not covered under this Warranty, but are warranted separately by the tire manufacturer. Tire balancing is not covered under Warranty.

Transmissions (Non-Company)

Allison transmissions and components are not covered under this Warranty, but are warranted separately by Allison. Information regarding Allison's warranty is provided for informational purposes only and is subject to change. For warranty or service information, contact Allison's authorized sales and service facility.

Eaton Hybrid transmissions are not covered under this Warranty.

3.8 Transfer of Warranty

This Warranty is transferable to a subsequent Owner if it has not expired. To ensure the Owner receives proper Warranty recognition, the ownership information should be updated in OWL.

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3.9 Change of Owner Address Information

To ensure Company's ability to reach the current Owner with Recall and Field Service campaign information, the Owner's information must be updated whenever there is a change to the Owner's name or address.

3.10 Product Improvement

Company reserves the right to make improvements or changes to the product at any time without incurring any obligation to make such changes or improvements to any other vehicle.

3.11 Owner's Responsibilities

DTNA provides Owner's Warranty Information booklets for Company products. When the Owner first receives a Company product, the service location should review the Owner's Warranty Information booklet(s) with the Owner. It is important that the new Owner becomes familiar with the contents about Warranty, parts replacement that affects emission controls, and maintenance service. It is the Owner's responsibility to ensure the product is maintained as outlined in the Driver's/Operator's and Maintenance Manuals and to maintain the vehicle so that it conforms to EPA regulations.

To initiate Warranty, the customer must complete and sign the Warranty Start Form (WAR275); service locations keep the signed form on file and register the vehicle with DTNA for Warranty.

As soon as a problem exists, the Owner is responsible for presenting the product to an Authorized Service Location. The Warranty repairs should be completed in a reasonable amount of time. The Owner should also be aware that DTNA may deny Warranty coverage if the product has failed due to abuse, neglect, improper maintenance, or unapproved modifications. DTNA recommends that Owners retain all receipts regarding product maintenance but Company cannot deny Warranty solely for the lack of receipts.

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BODY SPECIFICATIONS FOR HIGH COMPACTION SIDE LOADING REFUSE COLLECTION TRUCK BODY

INTENT:

This specification describes a hydraulically operated packer body of side loading type with the following minimum specifications necessary to perform the work assigned. The body shall be manufactured and assembled in the U.S.A. The body shall be capable of compacting and transporting refuse to a landfill or transfer station and dispensing the load by means of hydraulically ejecting the load from the body. The body's construction and specifications shall be in compliance with the applicable standards to the (ANSI Safety Standard Z245.1)

GENERAL TERMS:

The body shall have a capacity of 27 cubic yards including the receiver hopper.

No top sliding cover/door is to be installed on top of packer body (the City of Douglas has not used the ones installed on the refuse trucks we now have, and they cause more problems than they help).

The body shall be of rectangular form and shall be mounted in a stationary manner that does not require body to be tilted or raised in order to discharge the load. The body shall be of design that no welding, cutting, and / or material modification of the standard chassis frame forward of the rear axle(s) is required to mount the body. All equipment furnished under this contract shall be new, unused, and the same as the manufacture's current production model. The body shall be equipped with a side loading container handling device capable of engaging, raising, discharging, lowering, and disengaging standard metal type containers of 2, 3, and 4 cubic yards containers with the operator / driver remaining in the cab of the chassis throughout the entire cycle.

GUARANTEE:

Bidder shall state his normal warranty and extended warranty where available.

BID QUOTATION:

Bid shall complete every space in the specification bidder's proposal column with Yes, or No to indicate if the item bid meets exactly as specified. If not, the "NO" column must be checked and a detailed description of the deviation from the specification must be supplied.

SEC CHAMPION
27yd

I. HOPPER:	Yes	No
1. The packer body shall have a capacity, including the receiver hopper of 27-cubic yards.	X	
2. The hopper will have a 12-cubic yard useable capacity. Hopper sides to be of a flat design with horizontal channel reinforcing. Lower panel to be 3/16" – A572 Grade 50 – 50,000 psi minimum yield. Channel reinforcing to be 4"x2"x10 gauge – A3HR – 36,000 minimum psi yield.	X	
3. The hopper floor to be constructed of 1/4" – AR400 – 140,000 psi minimum yield strength abrasion resistant steel. Hopper floor to be reinforced with a combination of 1/4" – A38HR – 36,000 psi yield strength steel and 2"x3" x.25 H.S.S. Body sill under the hopper area to be 1/4" – 46,000 psi yield strength steel with a 10" cross section.	X	
4. Body hopper opening to be 65" wide and 88" long with a depth from hopper shield to floor of 102".	X	
5. Hopper shall be equipped with a side access door with an opening of 36" wide x 43" tall. Door frame shall be 38"x47" tall framed with 4" channel reinforcement. The door shall be from minimum 1/4" steel. Door shall be install with heavy duty hinges and latch (see pictures, last page). The rod diameter for the latches shall be 3/4". The door shall have perimeter reinforcement, center brace welded to the perimeter reinforcement. Packer panel shall not interfere with the door opening when in the retracted position, to allow access to the hopper floor.	X	
6. Side ladder with a swing down lower section will be mounted to the RH outside rear of hopper body. The ladder shall have a weight bearing capacity of 350 lbs.	X	

II. FRONT BLKHEAD:	Yes	No
1. The front bulkhead shall be constructed from formed plates consisting of three horizontal members spanning the width of the body and outer vertical plate which lies perpendicular to the horizontal spanning members, creating an integral structure.	X	
2. The outer plate, in addition to structurally reinforcing the entire assembly also seals the bulkhead so that effective liquid retention height of 22 1/2" inches above the body floor is achieved.	X	

III. LOAD DISCHARGE:	Yes	No
1. Load discharge is to be of "full eject" type and shall be interlocked with the rear door so that it has to be open before the packer plate can pass the 1/2 pack point.	X	
2. On full eject, the opening of the rear door also disables the auto cycle, so the load discharge is controlled manually with the manual override packing controls.	X	

IV. BODY ROOF:	Yes	No
1. Body roof shall be of a square design and constructed of 10-gauge steel – A572 Grade 50- 70,000 psi tensile strength 50,000 psi yield point strength steel. Roof shall be reinforced longitudinally at the point where roof meets the side with 10 gauge – A36HR psi yield strength formed channel.	X	

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CHAMPION
27yd

V. BODY SIDES:	Yes	No
1. Body sides are a square in design from top to bottom and constructed of 10 Gauge – A572 – Grade 50 – 50,000 psi yield strength steel. – 70,000 psi tensile strength steel. The body shall be reinforced at the upper most point where it joints the roof with a formed channel constructed of 10 gauge – 36,000 psi yield strength steel. With no rear body exterior stiffeners, the result shall be a smooth, aesthetically pleasing exterior that can be utilized for signs or custom advertising, also making daily washing easier with less surface area to wash.	X	

VI. BODY FLOOR:	Yes	No
1. Body floor shall be part of the unibody concept and shall be of square design. It shall be constructed of 3/16” – 50,000 psi yield strength steel. In combination with the rear body seal and unique front bulkhead design, the body will have the capacity to hold approximately 1,000 gallons of liquid waste.	X	

VII. BODY REINFORCING:	Yes	No
1. Mid-body reinforcing shall be achieved by a formed channel constructed of 10 gauge – A570 Grade 50 – 50,000 psi yield strength steel with dimensions of 4 ½”x 7”.	X	
2. Rear body reinforcing at the door shall be achieved by a formed channel constructed of 10 gauge – 50,000 psi yield steel with dimensions of 4 ½”x 7”.	X	

VIII. LIFTING MECHANISM/MAST:	Yes	No
1. The lifting mechanism shall be capable of handling rollout dumpsters, 1 ½, 3 and 4-yard stationary refuse containers. The City of Douglas uses a rollout lifting/locking mechanism of its own design. The factory mechanism will be left off, however the mounting holes for the factory mechanism will be drilled in their factory location to enable the City to mount it unit.	X	
2. The lifting mechanism consist of a horizontal bar with container hook-up points on each end, achieving horizontal plane motion via the extension and retraction of one double acting hydraulic cylinder which slides the roller supported framework through a vertical track mounted above the chassis frame work, below the body.	X	
3. Vertical motion of the lifting mechanism shall be achieved through the extension and retraction of two double acting hydraulic cylinders which raise and lower the roller supported mechanism framework through a vertical track. The mechanism shall be simultaneously connected to a system of link bars attached to a pivot shaft which rotates the container for dumping purposes at it extreme vertical level.	X	
4. The mechanism will be capable of serving containers from ground level to dock height (approximately 48 inches from the ground level). The lifting mechanism will also have a 48-inch reach from truck body to container.	X	
5. Manual air valves for controlling the mast in/out and up/down will be mounted within easy reach of the operator, one (1) valve will control in and out and one (1) valve will control up and down functions.	X	

IX. REAR DOOR:	Yes	No
1. The rear door is to have a convex profile to direct material flow compaction and to ensure that the body fill completely.	X	
2. The rear door is to have a 3 cubic yard capacity and is to be constructed of 10-Gauge 50,000 psi yield strength steel.	X	

SEC
CHAMPION
27yd

3. The rear door shall be attached to the body with two heavy duty steel hinges with 1 ¼ "diameter – 150,000 psi yield strength steel rod, rotating in a harden bearing.	X	
4. The rear door is to incorporate a watertight seal to prevent leakage. This shall be a replaceable compression type seal attached to the body, extending the full width of the body/door interface and 39" up the sides.	X	
5. The rear door shall be automatically latched and unlatched in sequence with the rear door hydraulic cylinders. The latch hooks shall be constructed of 1" thick - 100,000 psi yield strength steel. Latch locks which must be installed and removed manually and are incorporated to prevent accidental opening of the door.	X	
6. A Federal Motor Carrier approved under-ride guard shall be welded to the bottom of rear door and swing out of the way when refuse is ejected.	X	

X. PACKER EJECTION BLADE:	Yes	No
1. A hydraulically activated plate shall be furnished to clear the hopper of refuse, compact the body and eject the load. These hydraulic functions are operator –controlled from within the cab.	X	
2. The packer/ejection blade shall be constructed ¼" – 50,000 psi yield strength steel and the upper section shall be reinforced with vertical and horizontal box sections.	X	
3. The packer/ejection blade shall be supported on two 3"x 26"x 50" thick Wearform-500 100,000 psi yield strength wear plates. The shoes ride on a 3"x wide x .50 Wearform-500 wear plates on bottom inside steel guide channels which are welded directly to the body for extra strength. The shoes are replaceable by removing the packer/ejection blade.	X	

XI. FULL EJECT:	Yes	No
1. The packing/ejection blade shall be operated by two (2) horizontally mounted, crisscrossed hydraulic cylinders. These cylinders are three stage, 5 ½" x 4 ½" x 3 ½" bore, double acting and have chrome plated shafts. They are mounted above the floor to prevent damage and are attached by 2" pivot pins. Full eject operation takes about 35 seconds, including the time to return the blade to home.	X	

XII. HYDRAULIC SYSTEM:	Yes	No
1. The hydraulic system maximum operating pressure shall be 2,500 psi.	X	
2. A frame mounted heavy-duty manufactured in the USA single stage hydraulic pump hot shift; shaft driven off the transmission with a HI-GFM/LOW-RPM displacement design. This will also have a priority flow device and a dry valve to control the pump. The pump will deliver 66 GPM @ 1,800 RPM and shall be protected by an electric over speed switch. Pump start-up and shut down shall be achieved by means of a push/pull switch connected to an air-solenoid valve.	X	
3. The hydraulic system shall utilize hoses and tubing which has a burst pressure rating of 3 ½ times the maximum working pressure of 2,500 psi.	X	
4. The hydraulic system oil reservoir shall have a capacity of 70 U.S. gallons located the opposite side of the lifting mechanism and mounted to the chassis frame.	X	
5. The tank shall come complete with temperature/level gauge, visible from the ground, a breather cap and a shut off valve. Hydraulic filtration includes a 100-mesh screen located on the suction side of the hydraulic tank, a 10-micron pressure filter (with indicator) located between the pump and valve assembly and a 10-mircron return filter (with indicator located on the hydraulic tank) red push button in cab shuts down the complete system.	X	

SEC
CHAMPION
27yd

XIII. CONTROLS:	Yes	No
1. Controls for all functions are to be located in the cab within easy access to the operator. Start-up/shut-down control will utilize a push/pull switch with a large 2 3/8" diameter knob. Lift reach and grabber functions will utilize dual compensating air valves in tandem or triple configurations. A pressure switch and an adjustable timer (.01 seconds-10 – seconds) will be used to compact and "crush" refuse, then compaction packer will automatically return. Eject/retract functions shall be controlled by an electrical selector switch and a set of air valves.	X	

XIV. INDICATOR LAMPS:	Yes	No
1. Retract – Yellow 2. Compact – Green 3. Over speed – Blue 4. Tailgate ajar – Red 5. Strobe/work lights on – Amber 6. A lamp will be on anytime the master switch is on.	X	

XV. BODY LIGHTS AND WIRING:	Yes	No
1. All lighting shall be in accordance with FMVSS. Light bar on the lower section of rear door includes two (2) LED stop/turn and two (2) LED tail lamps, one (1) LED back-up lamp on each side.	X	
2. Mid-body on outside of each fender will have a LED turn/marker lamp.		
3. Top tail gate will have one (1) each side stop/turn LED lamps, one (1) each side LED tail marker lamp. Center top of rear door will have three (3) LED red marker lamps. LED marker lamps will be mounted on all four (4) corners of body.	X	
4. An electric back-up alarm shall be provided and shall be activated when the vehicle is in reverse. An electrical alarm shall be provided and shall activated when the tail gate is ajar. Circuit breakers with reset will be used for circuit protection on packer system systems. All wiring shall be enclosed in body members or sealed in plastic loom. All wiring shall be color coded and a readable up to date schematic shall be provided.	X	
5. Three camera's shall be installed, one rear facing, one into hopper, and one facing hoist view and an in cab mounted, easy visible monitor shall be installed to show all three views at drivers selection.	X	
6. Flood type work lamps shall be mounted one (1) in front and one (1) at the rear of mast to light the area where the containers hook on to the mast mechanism. One (1) flood type work lamp shall be mounted in the front of packer body to light up the packer blade. Switch for the work lamps shall be mounted in cab by the packer controls.	X	
7. An amber LED class 2 strobe light shall be mounted at the rear center of tail gate. Light is to be on when any time the engine is running.	X	

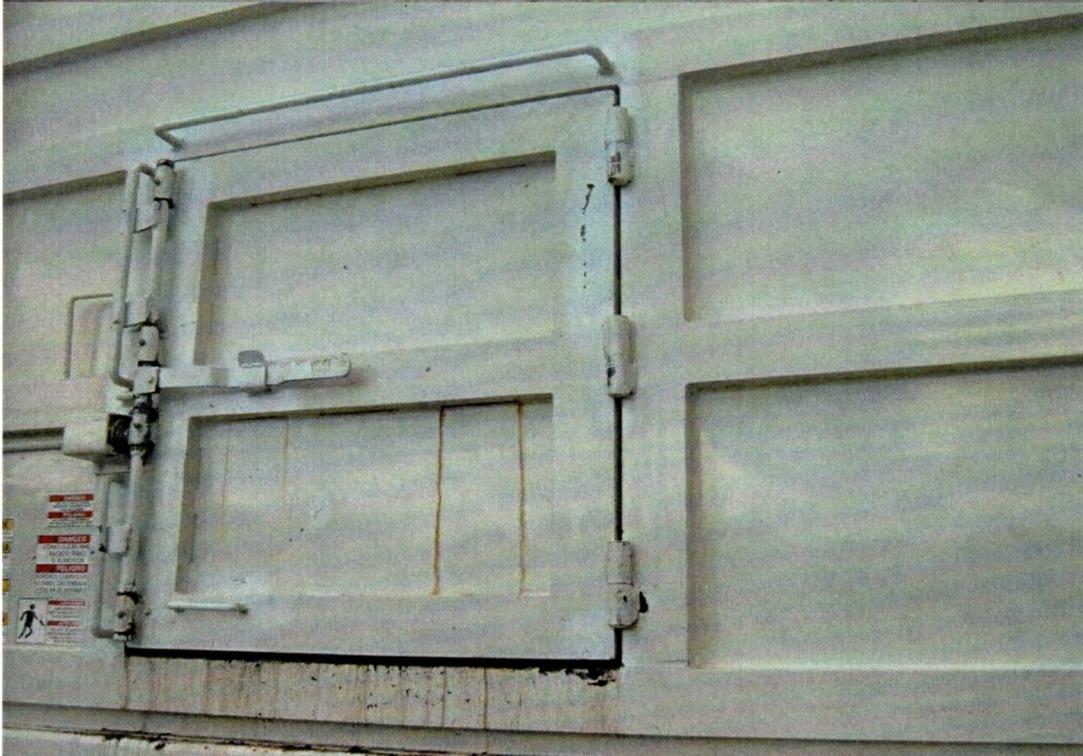
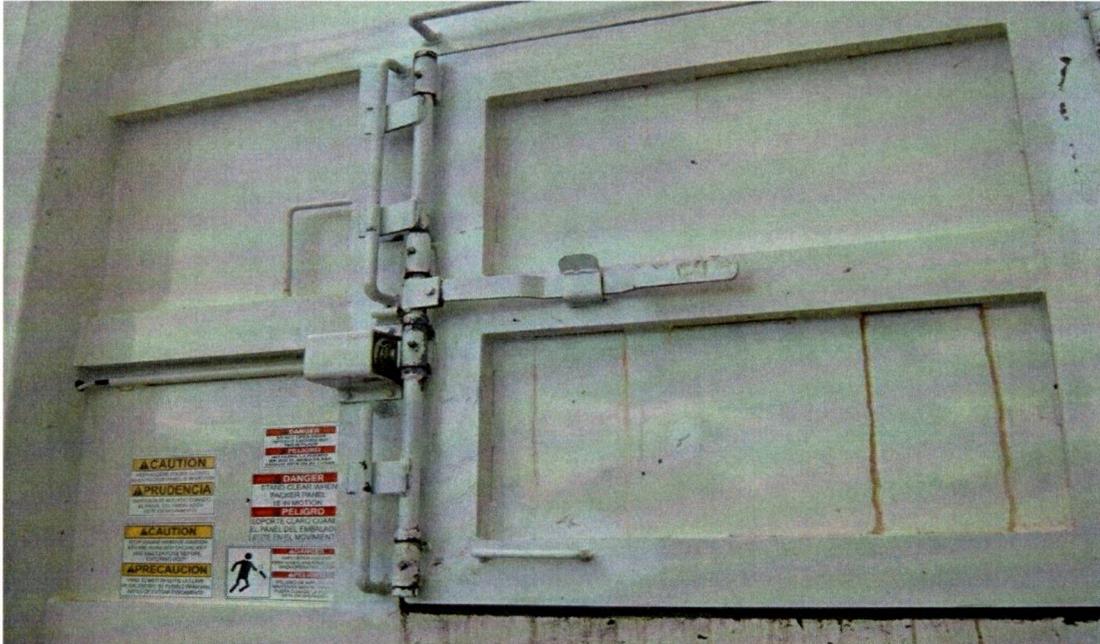
XVI. MUD FLAPS:	Yes	No
1. Mud flap are to be installed on the front and rear of the rear axle's fenders.	X	

XVII. MANUALS:	Yes	No
1. Manuals for the body will be provided with the new body, manual will cover operations, parts & systems settings.	X	

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21 yd

XVIII. WARRANTY:	Yes	No
1. Body warranty will be shown on the bid.	X	
2. Body warranty will be registered by the vendor at the time of delivery, a copy of registration/warranty will be with the unit at the time of delivery.	X	

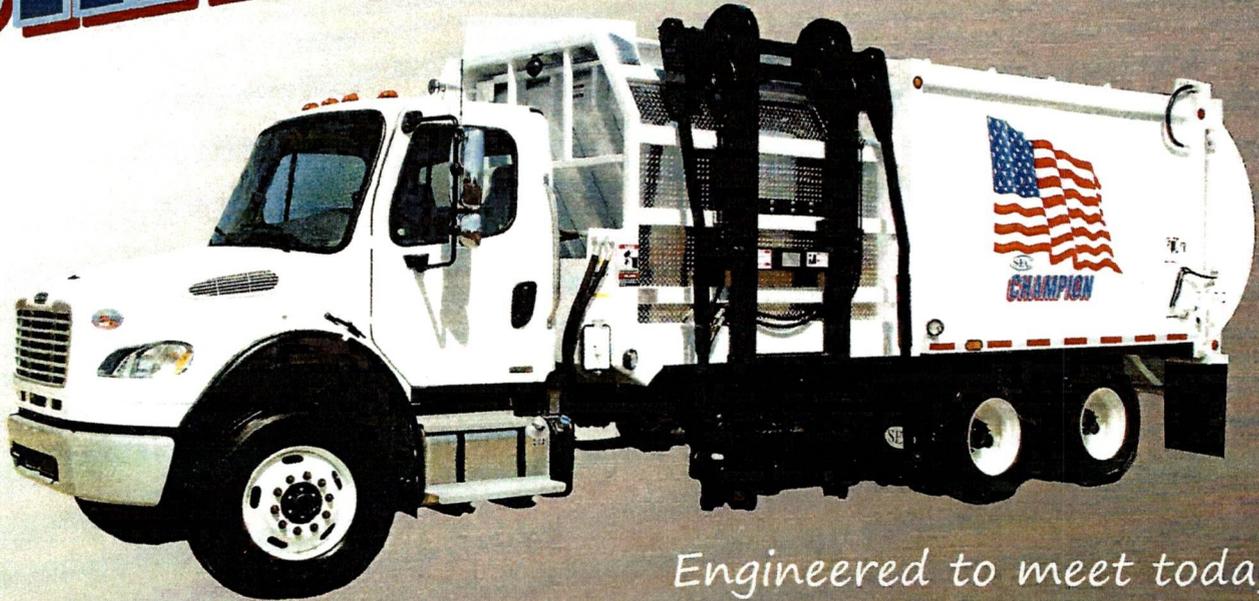
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CHAMPIONTM

Commercial
Side Loader



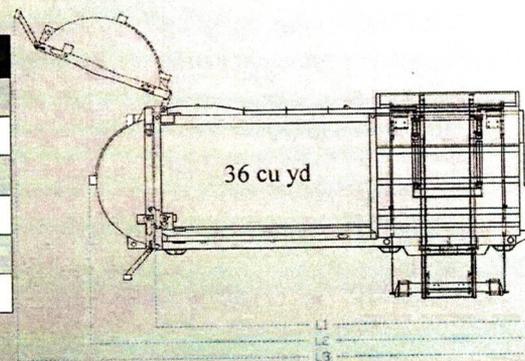
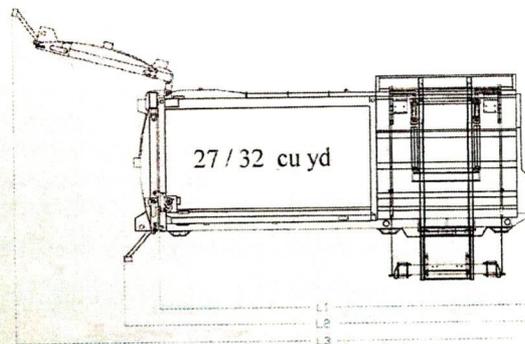
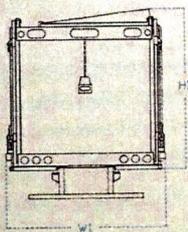
*Engineered to meet today's
solid waste collection demands.*

Featuring:

- Body capacities from 27 to 36 cubic yards
- Total in-cab controls
- Street and curb side drive/lift configurations
- Full eject dump
- Heavy duty side load lift system with 48" reach
- Versatility in lift bar configurations for your current container hookup styles
- Optional attachments allowing cart pickup
- Top sliding door
- Double lock on gate
- Clean out doors and ladder
- Catwalk with ladder
- Work lights
- LED lights

SOUTHWESTERN EQUIPMENT
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COMPANY

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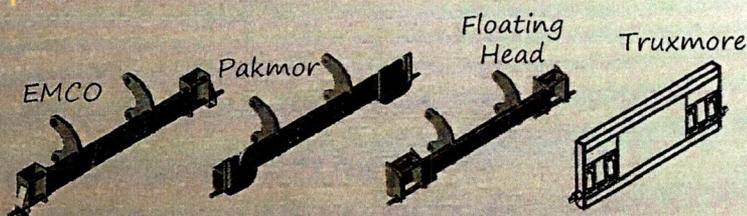


BODY SPECIFICATIONS	27 cu YD	32 cu YD	36 cu YD
W Body Width	100"	100"	100"
L1 Body Length	223"	250"	250"
L2 Overall Length – Gate Closed	246"	274"	292"
L3 Overall Length – Gate Open			
H1 Height Above Frame	101"	101"	101"
Chassis Requirements	Single Axle	Tandem Axle	Tandem Axle

Available Options

- * Grabber attachments allowing for cart pickup in addition to container
- * Remote Grease System
- * Camera Systems
- * Spray Unit
- * Diamond plate decking

Lift Bar Styles



SOUTHWESTERN EQUIPMENT COMPANY

NEW EQUIPMENT LIMITED WARRANTY

LIMITED WARRANTY: For a period of six (6) months from the date of delivery to the original retail purchaser (Purchaser) of any refuse body manufactured by Southwestern Equipment Company, (Southwestern Equipment Company) warrants to the Purchaser: (a) that the materials and workmanship are free of defects; and (b) that components which are made, manufactured and/or assembled by manufacturers other than Southwestern Equipment Company will not be rendered otherwise defective because of their inclusion in Southwestern Equipment Company's total assembly.

Southwestern Equipment Company's obligation and liability under this Warranty is expressly limited to the repair or, at Southwestern Equipment Company's option, the replacement of any part proving to be defective under normal use and service, at Southwestern Equipment Company's facility in Justin, Texas.

THIS LIMITED WARRANTY ONLY APPLIES TO SAID REFUSE BODY MANUFACTURED BY SOUTHWESTERN EQUIPMENT COMPANY. SOUTHWESTERN EQUIPMENT COMPANY MAKES NO WARRANTY OF PRODUCTS MANUFACTURED BY OTHERS AND SUPPLIED OR SOLD BY SOUTHWESTERN EQUIPMENT COMPANY.

NON-ASSIGNABLE: This Warranty and the obligations under this Agreement extend only to the Purchaser and shall not extend to any third party to which the refuse body may be sold, assigned, or transferred.

NOTICE OF DEFECTS & WARRANTY COVERAGE: In order for this Limited Warranty to be applicable, the Limited Warranty Registration Form which is being simultaneously provided with this document, must be on file with the Southwestern Equipment Company Warranty Department located at the address below within thirty (30) days from the date of delivery. To initiate warranty coverage, the Purchaser must notify Southwestern Equipment Company directly in writing at the address below within ten (10) days after discovery of the claimed defect to which notice relates. Within a reasonable time after such notification, Southwestern Equipment Company will either repair or replace, at their discretion, the nonconforming parts. This warranty allocates the risk of product failure between Southwestern Equipment Company and the Purchaser. This allocation is recognized by both parties and is reflected in the price. These remedies are the Purchasers exclusive remedies.

LEGAL CONSTRUCTION: This Agreement and Warranties shall be governed by, and construed in accordance with, the laws of the State of Texas. If any portion of this Agreement is deemed invalid, it is agreed that the remainder of this contract shall remain in force and effect.

SUBSEQUENT PRODUCT CHANGES: Southwestern Equipment Company reserved the right, at any time to make changes in the design, material, function, and specifications of its equipment and/or accessories thereof without thereby becoming obligated to make similar changes in such products or accessories that were previously manufactured.

REMEDIES EXCLUSIVE/ DISCLAIMER OF OTHER WARRANTIES:

THE REMEDIES AND WARRANTY COVERAGE STATED IN THIS DOCUMENT ARE EXCLUSIVE AND ARE THE SOLE REMEDIES FOR PURCHASER.

SOUTHWESTERN EQUIPMENT COMPANY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE OF THIS DOCUMENT.

SOUTHWESTERN EQUIPMENT COMPANY'S LIABILITIES ARE LIMITED SOLELY AND EXCLUSIVELY TO THE REPAIRS AND OBLIGATIONS SPECIFICALLY UNDERTAKEN HEREIN. UNDER NO CIRCUMSTANCES, WILL SOUTHWESTERN EQUIPMENT COMPANY BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES OF ANY KIND WHATSOEVER.

No salesman, agent, employee or representative of Southwestern Equipment Company or any other party is authorized to make any additions or changes to any obligation or warranty contained in this document.

Southwestern Equipment Company
P.O. Drawer 219
Justin, TX 76247

**BODY SPECIFICATIONS
FOR HIGH COMPACTION SIDE LOADING
REFUSE COLLECTION TRUCK BODY**

INTENT:

This specification describes a hydraulically operated packer body of side loading type with the following minimum specifications necessary to perform the work assigned. The body shall be manufactured and assembled in the U.S.A. The body shall be capable of compacting and transporting refuse to a landfill or transfer station and dispensing the load by means of hydraulically ejecting the load from the body. The body's construction and specifications shall be in compliance with the applicable standards to the (ANSI Safety Standard Z245.1)

GENERAL TERMS:

The body shall have a capacity of 27 cubic yards including the receiver hopper.

No top sliding cover/door is to be installed on top of packer body (the City of Douglas has not used the ones installed on the refuse trucks we now have, and they cause more problems than they help).

The body shall be of rectangular form and shall be mounted in a stationary manner that does not require body to be tilted or raised in order to discharge the load. The body shall be of design that no welding, cutting, and / or material modification of the standard chassis frame forward of the rear axle(s) is required to mount the body. All equipment furnished under this contract shall be new, unused, and the same as the manufacture's current production model. The body shall be equipped with a side loading container handling device capable of engaging, raising, discharging, lowering, and disengaging standard metal type containers of 2, 3, and 4 cubic yards containers with the operator / driver remaining in the cab of the chassis throughout the entire cycle.

GUARANTEE:

Bidder shall state his normal warranty and extended warranty where available.

BID QUOTATION:

Bid shall complete every space in the specification bidder's proposal column with Yes, or No to indicate if the item bid meets exactly as specified. If not, the "NO" column must be checked and a detailed description of the deviation from the specification must be supplied.

GS PRODUCTS
CL8100

I. HOPPER:	Yes	No
1. The packer body shall have a capacity, including the receiver hopper of 27-cubic yards.	YES	
2. The hopper will have a 12-cubic yard useable capacity. Hopper sides to be of a flat design with horizontal channel reinforcing. Lower panel to be 3/16" – A572 Grade 50 – 50,000 psi minimum yield. Channel reinforcing to be 4"x2"x10 gauge – A3HR – 36,000 minimum psi yield.		NO 6YD
3. The hopper floor to be constructed of 1/4" – AR400 – 140,000 psi minimum yield strength abrasion resistant steel. Hopper floor to be reinforced with a combination of 1/4" – A38HR – 36,000 psi yield strength steel and 2"x3" x.25 H.S.S. Body sill under the hopper area to be 1/4" – 46,000 psi yield strength steel with a 10" cross section.	YES+	
4. Body hopper opening to be 65" wide and 88" long with a depth from hopper shield to floor of 102".	YES	
5. Hopper shall be equipped with a side access door with an opening of 36" wide x 43" tall. Door frame shall be 38"x47" tall framed with 4" channel reinforcement. The door shall be from minimum 1/4" steel. Door shall be install with heavy duty hinges and latch (see pictures, last page). The rod diameter for the latches shall be 3/4". The door shall have perimeter reinforcement, center brace welded to the perimeter reinforcement. Packer panel shall not interfere with the door opening when in the retracted position, to allow access to the hopper floor.	YES	
6. Side ladder with a swing down lower section will be mounted to the RH outside rear of hopper body. The ladder shall have a weight bearing capacity of 350 lbs.	YES	

II. FRONT BLKHEAD:	Yes	No
1. The front bulkhead shall be constructed from formed plates consisting of three horizontal members spanning the width of the body and outer vertical plate which lies perpendicular to the horizontal spanning members, creating an integral structure.	YES	
2. The outer plate, in addition to structurally reinforcing the entire assembly also seals the bulkhead so that effective liquid retention height of 22 1/2" inches above the body floor is achieved.	YES	

III. LOAD DISCHARGE:	Yes	No
1. Load discharge is to be of "full eject" type and shall be interlocked with the rear door so that it has to be open before the packer plate can pass the 1/2 pack point.	YES	
2. On full eject, the opening of the rear door also disables the auto cycle, so the load discharge is controlled manually with the manual override packing controls.	YES	

IV. BODY ROOF:	Yes	No
1. Body roof shall be of a square design and constructed of 10-gauge steel – A572 Grade 50- 70,000 psi tensile strength 50,000 psi yield point strength steel. Roof shall be reinforced longitudinally at the point where roof meets the side with 10 gauge – A36HR psi yield strength formed channel.	YES	

V. BODY SIDES:	Yes	No
1. Body sides are a square in design from top to bottom and constructed of 10 Gauge – A572 – Grade 50 – 50,000 psi yield strength steel. – 70,000 psi tensile strength steel. The body shall be reinforced at the upper most point where it joints the roof with a formed channel constructed of 10 gauge – 36,000 psi yield strength steel. With no rear body exterior stiffeners, the result shall be a smooth, aesthetically pleasing exterior that can be utilized for signs or custom advertising, also making daily washing easier with less surface area to wash.	YES	

VI. BODY FLOOR:	Yes	No
1. Body floor shall be part of the unibody concept and shall be of square design. It shall be constructed of 3/16” – 50,000 psi yield strength steel. In combination with the rear body seal and unique front bulkhead design, the body will have the capacity to hold approximately 1,000 gallons of liquid waste.	YES+	

VII. BODY REINFORCING:	Yes	No
1. Mid-body reinforcing shall be achieved by a formed channel constructed of 10 gauge – A570 Grade 50 – 50,000 psi yield strength steel with dimensions of 4 ½”x 7”.	YES	
2. Rear body reinforcing at the door shall be achieved by a formed channel constructed of 10 gauge – 50,000 psi yield steel with dimensions of 4 ½”x 7”.	YES	

VIII. LIFTING MECHANISM/MAST:	Yes	No
1. The lifting mechanism shall be capable of handling rollout dumpsters, 1 ½, 3 and 4-yard stationary refuse containers. The City of Douglas uses a rollout lifting/locking mechanism of its own design. The factory mechanism will be left off, however the mounting holes for the factory mechanism will be drilled in their factory location to enable the City to mount it unit.	YES	
2. The lifting mechanism consist of a horizontal bar with container hook-up points on each end, achieving horizontal plane motion via the extension and retraction of one double acting hydraulic cylinder which slides the roller supported framework through a vertical track mounted above the chassis frame work, below the body.	YES	
3. Vertical motion of the lifting mechanism shall be achieved through the extension and retraction of two double acting hydraulic cylinders which raise and lower the roller supported mechanism framework through a vertical track. The mechanism shall be simultaneously connected to a system of link bars attached to a pivot shaft which rotates the container for dumping purposes at it extreme vertical level.	YES	
4. The mechanism will be capable of serving containers from ground level to dock height (approximately 48 inches from the ground level). The lifting mechanism will also have a 48-inch reach from truck body to container.	YES	
5. Manual air valves for controlling the mast in/out and up/down will be mounted within easy reach of the operator, one (1) valve will control in and out and one (1) valve will control up and down functions.	YES	

IX. REAR DOOR:	Yes	No
1. The rear door is to have a convex profile to direct material flow compaction and to ensure that the body fill completely.	YES	
2. The rear door is to have a 3 cubic yard capacity and is to be constructed of 10-Gauge 50,000 psi yield strength steel.	YES	

GS PRODUCTS
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3. The rear door shall be attached to the body with two heavy duty steel hinges with 1 ¼ "diameter – 150,000 psi yield strength steel rod, rotating in a harden bearing.	YES	
4. The rear door is to incorporate a watertight seal to prevent leakage. This shall be a replaceable compression type seal attached to the body, extending the full width of the body/door interface and 39" up the sides.		ONLY NEED 18" NO
5. The rear door shall be automatically latched and unlatched in sequence with the rear door hydraulic cylinders. The latch hooks shall be constructed of 1" thick - 100,000 psi yield strength steel. Latch locks which must be installed and removed manually and are incorporated to prevent accidental opening of the door.	YES	
6. A Federal Motor Carrier approved under-ride guard shall be welded to the bottom of rear door and swing out of the way when refuse is ejected.	YES	

X. PACKER EJECTION BLADE:	Yes	No
1. A hydraulically activated plate shall be furnished to clear the hopper of refuse, compact the body and eject the load. These hydraulic functions are operator –controlled from within the cab.	YES	
2. The packer/ejection blade shall be constructed ¼" – 50,000 psi yield strength steel and the upper section shall be reinforced with vertical and horizontal box sections.	YES	
3. The packer/ejection blade shall be supported on two 3"x 26"x 50" thick Wearform-500 100,000 psi yield strength wear plates. The shoes ride on a 3"x wide x .50 Wearform-500 wear plates on bottom inside steel guide channels which are welded directly to the body for extra strength. The shoes are replaceable by removing the packer/ejection blade.	YES+	

XI. FULL EJECT:	Yes	No
1. The packing/ejection blade shall be operated by two (2) horizontally mounted, crisscrossed hydraulic cylinders. These cylinders are three stage, 5 ½" x 4 ½" x 3 ½" bore, double acting and have chrome plated shafts. They are mounted above the floor to prevent damage and are attached by 2" pivot pins. Full eject operation takes about 35 seconds, including the time to return the blade to home.	YES	

XII. HYDRAULIC SYSTEM:	Yes	No
1. The hydraulic system maximum operating pressure shall be 2,500 psi.	YES	
2. A frame mounted heavy-duty manufactured in the USA single stage hydraulic pump hot shift; shaft driven off the transmission with a HI-GFM/LOW-RPM displacement design. This will also have a priority flow device and a dry valve to control the pump. The pump will deliver 66 GPM @ 1,800 RPM and shall be protected by an electric over speed switch. Pump start-up and shut down shall be achieved by means of a push/pull switch connected to an air-solenoid valve.	YES	
3. The hydraulic system shall utilize hoses and tubing which has a burst pressure rating of 3 ½ times the maximum working pressure of 2,500 psi.	YES	
4. The hydraulic system oil reservoir shall have a capacity of 70 U.S. gallons located the opposite side of the lifting mechanism and mounted to the chassis frame.		ONLY NEED 60GAL NO
5. The tank shall come complete with temperature/level gauge, visible from the ground, a breather cap and a shut off valve. Hydraulic filtration includes a 100-mesh screen located on the suction side of the hydraulic tank, a 10-micron pressure filter (with indicator) located between the pump and valve assembly and a 10-micron return filter (with indicator located on the hydraulic tank) red push button in cab shuts down the complete system.	YES	

XIII. CONTROLS:	Yes	No
1. Controls for all functions are to be located in the cab within easy access to the operator. Start-up/shut-down control will utilize a push/pull switch with a large 2 3/8" diameter knob. Lift reach and grabber functions will utilize duel compensating air valves in tandem or triple configurations. A pressure switch and an adjustable timer (.01 seconds-10 – seconds) will be used to compact and "crush" refuse, then compaction packer will automatically return. Eject/retract functions shall be controlled by an electrical selector switch and a set of air valves.	YES	

XIV. INDICATOR LAMPS:	Yes	No
1. Retract – Yellow 2. Compact – Green 3. Over speed – Blue 4. Tailgate ajar – Red 5. Strobe/work lights on – Amber 6. A lamp will be on anytime the master switch is on.	YES	

XV. BODY LIGHTS AND WIRING:	Yes	No
1. All lighting shall be in accordance with FMVSS. Light bar on the lower section of rear door includes two (2) LED stop/turn and two (2) LED tail lamps, one (1) LED back-up lamp on each side.	YES	
2. Mid-body on outside of each fender will have a LED turn/marker lamp.	YES	
3. Top tail gate will have one (1) each side stop/turn LED lamps, one (1) each side LED tail marker lamp. Center top of rear door will have three (3) LED red marker lamps. LED marker lamps will be mounted on all four (4) corners of body.	YES	
4. An electric back-up alarm shall be provided and shall be activated when the vehicle is in reverse. An electrical alarm shall be provided and shall activated when the tail gate is ajar. Circuit breakers with reset will be used for circuit protection on packer system systems. All wiring shall be enclosed in body members or sealed in plastic loom. All wiring shall be color coded and a readable up to date schematic shall be provided.	YES	
5. Three camera's shall be installed, one rear facing, one into hopper, and one facing hoist view and an in cab mounted, easy visible monitor shall be installed to show all three views at drivers selection.	YES	
6. Flood type work lamps shall be mounted one (1) in front and one (1) at the rear of mast to light the area where the containers hook on to the mast mechanism. One (1) flood type work lamp shall be mounted in the front of packer body to light up the packer blade. Switch for the work lamps shall be mounted in cab by the packer controls.	YES	
7. An amber LED class 2 strobe light shall be mounted at the rear center of tail gate. Light is to be on when any time the engine is running.	YES	

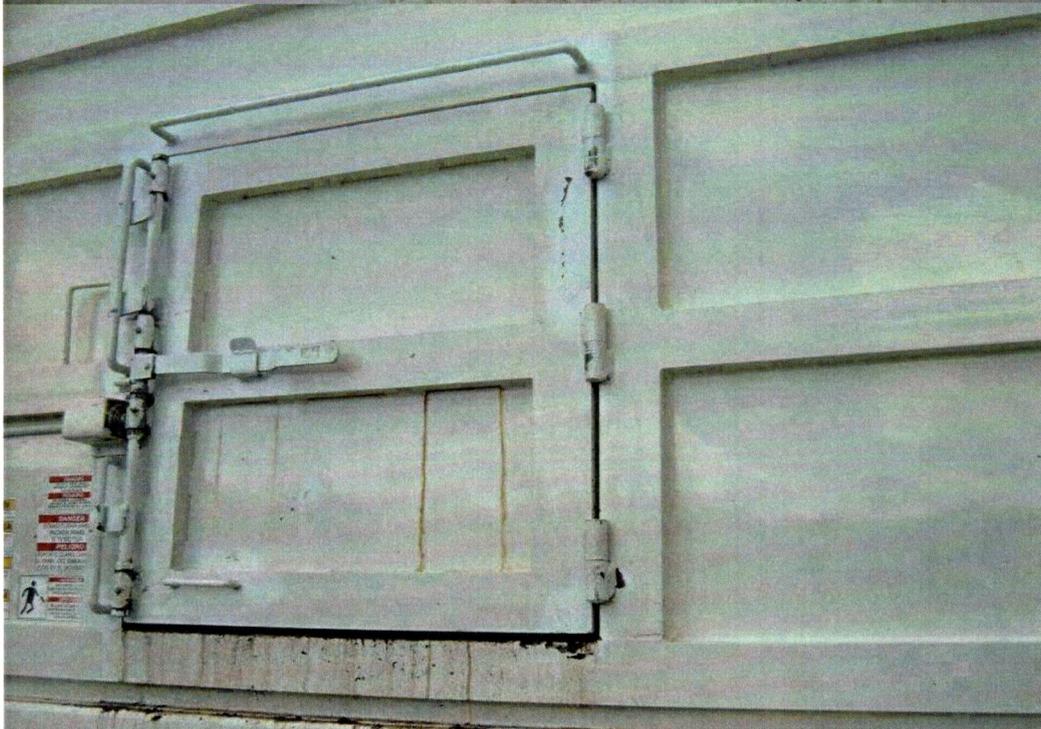
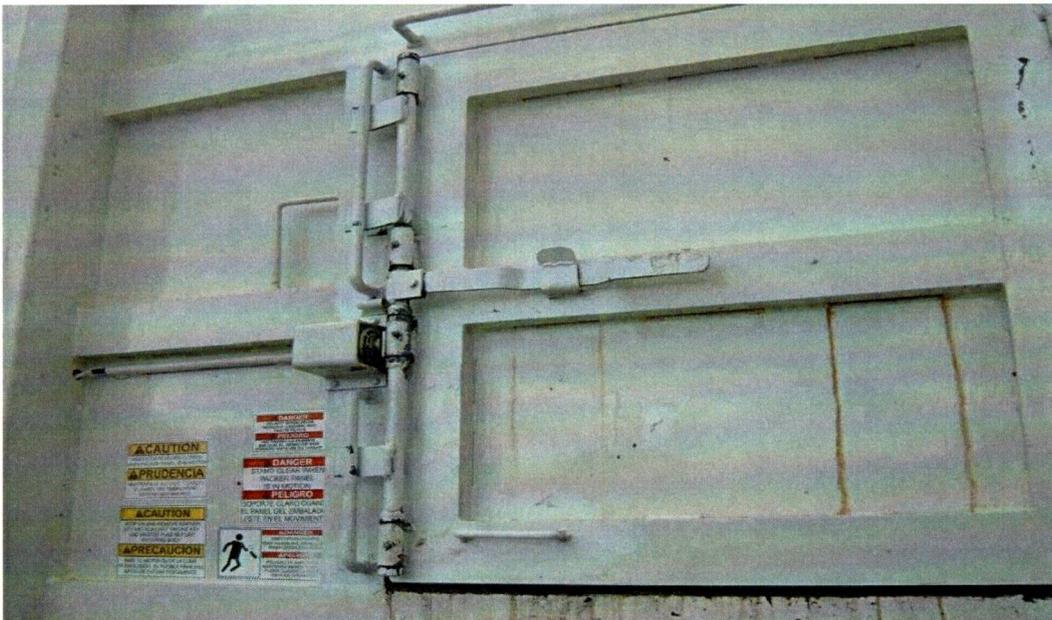
XVI. MUD FLAPS:	Yes	No
1. Mud flap are to be installed on the front and rear of the rear axle's fenders.	YES	

XVII. MANUALS:	Yes	No
1. Manuals for the body will be provided with the new body, manual will cover operations, parts & systems settings.	YES	

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XVIII. WARRANTY:	Yes	No
1. Body warranty will be shown on the bid.	YES	
2. Body warranty will be registered by the vendor at the time of delivery, a copy of registration/warranty will be with the unit at the time of delivery.	YES	

End of Section



GSP Marketing Inc.

Manufacturer of



CL8100

**CONTAINER
SIDE LOADER**



CHOOSE EITHER STREET-SIDE OR CURBSIDE LOADING

The G-S Products CL8100 Container Side Loader is designed to meet the needs of customers where container use is a must. The CL8100 is manufactured with our industry proven stable horizontal unloading and heavy duty container lift system. With our universal design, you can choose from right or left side lift mounting. The CL8100 can handle a commercial container up to four cubic yards and has a lift capacity of 4200 lbs.

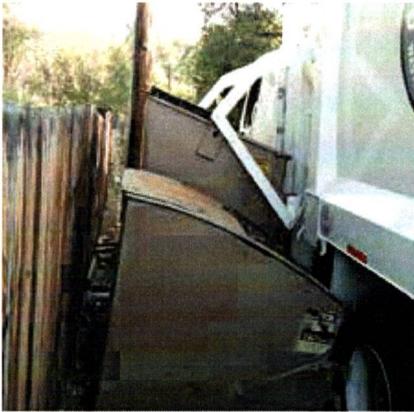


- Built with Hardox 450 steel:**
- Body floor, sides and roof
 - Hopper floor and sides
 - Packer guides, track and shoes

**Available in 20 to 37 Cubic Yard Capacity—
Plus have a Six Yard Receiving Hopper
in Single, Tandem, and Tri-Axle**



Designed, engineered and built for ease of operation



Compact lift system is designed to handle tight alley pickup



Lowest industry dump height at just 14' with a lift capacity of 4200 lbs.



One person operation allows for a safer and more efficient route pickup

Owners and operators contribute to the highly productive CL8100.

The **CL8100** is the most rugged refuse/recycling body built. Our designers spent countless hours with owners and operators to obtain their thoughts and opinions on what makes a great solid waste container side loader. We have taken this information to our engineering department to build what we believe is the most versatile unit on the market.

We start with a safe and stable horizontal unloading system. Second, our container lift arm is located so the operator has a clear view of it and the container. Other features include simple uncomplicated controls and LED body and work lights. The **CL8100** is designed for maximum legal payloads. Our bodies are built in 20 to 37 yard capacities, plus have a six yard receiving hopper with many custom configurations available in a simple, easy to maintain unit.

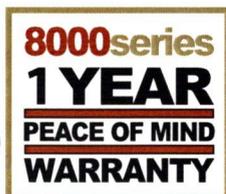
Schedule an on-site demonstration for your routes. DEMO HOT LINE: 814-445-5866

Custom configuration models include:

- CL8000R for rear load containers
- CL8000E for Emco style containers
- CL8000P for Pak-Mor style containers
- CL8000T for Truxmore style containers

NOW AVAILABLE: High performance tandem gear or vane pump system for truck engines over 1000 foot-pounds of torque output.

ASK US ABOUT



GSP Marketing Inc.
Manufacturer of



322 Lavansville Road • Somerset, Pennsylvania 15501
814-445-5866 • FAX 814-443-4966
email gerrym@g-sproducts.com
www.g-sproducts.com



GSP MARKETING, INC/GS PRODUCTS

NEW EQUIPMENT (STANDARD) LIMITED WARRANTY

GSP Marketing, Inc., referred to herein as G-S Products, warrants for a period of twelve (12) months from date placed in service or 2000 engine hours (whichever comes first), by the first purchaser, each refuse collection body manufactured by G-S Products to be free from defects in material and workmanship when operated for the purpose of which it was designed. This warranty excludes rear vision systems, hydraulic pumps or power take off units, warranted by their manufactures. This warranty extends only to the first owner and shall not extend to any third party.

This warranty is expressly limited to, at G-S Products sole discretion, the repair or replacement of defective part by an authorized G-S Distributor, or other such facility directed by G-S Products within twelve (12) months or 2,000 engine hours (whichever comes first) from the date the body was placed in service by the first purchaser.

In addition to the stated structural and component warranties, all body hydraulic cylinders are warranted for twelve (12) months or 2000 engine hours (whichever comes first) from the original in-service date.

G-S Products reserves the right, at any time, to make changes in the design, material, function and specifications of equipment and/or accessories thereof without thereby becoming obligated to make similar changes in such products and accessories previously manufactured.

This warranty is understood to be the complete and exclusive agreement between the parties, superseding all prior agreements, oral or written, and all other communications between the parties relating to the subject matter of this warranty. No salesman, agent, employee or representative of G-S Products or any other party is authorized to make any warranty in addition to those made herein; unless modified in writing and signed by an officer of G-S Products and the Purchaser.

G-S Products makes no warranty of products manufactured by others and supplied by G-S Products, the same being subject to warranties, if any, of their respective manufacturer.

G-S Products shall not be held liable for special, incidental, or consequential damages of any nature as defined in the G-S Products warranty code and the Uniform Commercial Code.

THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, WRITTEN, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

SEE WARRANTY BROCHURE FOR COMPLETE DETAILS.

BID BOND – EQUIPMENT

KNOW ALL MEN BY THESE PRESENT, That we, the undersigned, Jack's Truck Center, Inc. dba Floyd's Truck Center WY as Principal, and Merchants Bonding Company (Mutual) as surety, are hereby held and firmly bound unto City of Douglas as OWNER in the penal sum of Five Percent of the Amount of the Attached Bid --- (5%) for payment of which, we and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns.

The condition of the above obligation is such that whereas the Principal has submitted to City of Douglas a certain BID, attached hereto and hereby made a part hereof to enter into a contract in writing for the New 2025 CAB, Chassis, and Refuse Compaction Body

NOW, THEREFORE,

- A. If said BID shall be rejected, or
- B. If said BID shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said BID) and shall furnish a BOND for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith and shall in all respects perform the agreement created by the acceptance of said BID.

Then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall in no way be impaired or affected by any said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

Merchants Bonding Company (Mutual) (L.S.)

Samantha Boddicker July 31, 2024

Surety

By: Samantha Boddicker, Attorney-in-Fact

IMPORTANT: Surety companies executing BONDS must appear in the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State of Wyoming.

End of Section



IF BIDDER IS:

AN INDIVIDUAL

By: _____ doing business as: _____
(Name)
Address: _____ Phone: _____

A PARTNERSHIP

By: _____ (seal)
(Firm Name)

(General Partner)

Business Address: _____ Phone: _____

A CORPORATION

By: Jack's Truck Center, Inc. dba Floyd's Truck Center WY of Wyoming
(Corporation Name) (State of Incorporation)

By: [Signature] SALES MANAGER
(Signature) (Title)

ATTEST: [Signature] (Corporate Seal)

Business Address: P.O. Box 1628 Phone: 307-258-1169
GILLETTE, WY 82717

A JOINT VENTURE

By: _____ Address: _____

By: _____ Address: _____

By: _____ Address: _____

By: _____ Address: _____

(Each member of the joint venture must sign; attach additional sheet if necessary.)

End of Section

MERCHANTS BONDING COMPANY™

POWER OF ATTORNEY

Know All Persons By These Presents, that MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., both being corporations of the State of Iowa, d/b/a Merchants National Indemnity Company (in California only) (herein collectively called the "Companies") do hereby make, constitute and appoint, individually,

Alejandra G Venegas; Amber Lynn Reese; Cory Clauss; Dana L Gregory; Daniel R Boerboom; David V Bushey; Erica Thomas; Karl E Flemke; Kristin L Salazar; Lori M Menichetti; Mary E Hanks; Philip J Monasch; Rita Nicholson; Samantha Boddicker; Tristin Rosen; Valerie A Roybal

their true and lawful Attorney(s)-in-Fact, to sign its name as surety(ies) and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

This Power-of-Attorney is granted and is signed and sealed by facsimile under and by authority of the following By-Laws adopted by the Board of Directors of Merchants Bonding Company (Mutual) on April 23, 2011 and amended August 14, 2015 and adopted by the Board of Directors of Merchants National Bonding, Inc., on October 16, 2015.

"The President, Secretary, Treasurer, or any Assistant Treasurer or any Assistant Secretary or any Vice President shall have power and authority to appoint Attorneys-in-Fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof."

"The signature of any authorized officer and the seal of the Company may be affixed by facsimile or electronic transmission to any Power of Attorney or Certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the Company, and such signature and seal when so used shall have the same force and effect as though manually fixed."

In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.

In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner-Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

In Witness Whereof, the Companies have caused this instrument to be signed and sealed this 10th day of July, 2024.

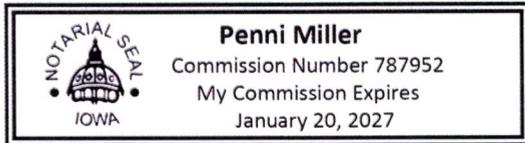


MERCHANTS BONDING COMPANY (MUTUAL)
MERCHANTS NATIONAL BONDING, INC.
 d/b/a MERCHANTS NATIONAL INDEMNITY COMPANY

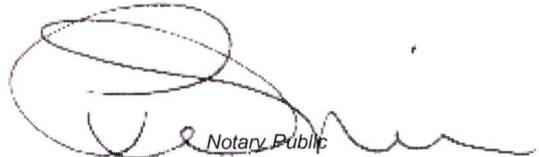
By 
 President

STATE OF IOWA
 COUNTY OF DALLAS ss.

On this 10th day of July, 2024, before me appeared Larry Taylor, to me personally known, who being by me duly sworn did say that he is President of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC.; and that the seals affixed to the foregoing instrument are the Corporate Seals of the Companies; and that the said instrument was signed and sealed in behalf of the Companies by authority of their respective Boards of Directors.



(Expiration of notary's commission does not invalidate this instrument)


 Notary Public

I, William Warner, Jr., Secretary of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., do hereby certify that the above and foregoing is a true and correct copy of the POWER-OF-ATTORNEY executed by said Companies, which is still in full force and effect and has not been amended or revoked.

In Witness Whereof, I have hereunto set my hand and affixed the seal of the Companies on this 31st day of July, 2024.




 Secretary



LIMITED POWER OF ATTORNEY

I, Michael R. Gillam, President of Jack's Truck Center, Inc. a Wyoming Corporation (the "Corporation") appoint Kevin Chafee (the "Agent") as an agent of the Corporation for the limited and sole purpose of obtaining and executing bid bonds or bid guarantees on behalf of the Corporation. The Agent's signature on any such bid bond or guarantee shall bind the Corporation.

~~This Power of Attorney shall remain effective until it is (a) revoked by a duly elected Officer of the Corporation or (b) the Agent ceases to be an employee of the Corporation. Any person may rely on this Power of Attorney unless he or she has been notified that it has been revoked or has terminated or has actual or constructive knowledge or notice of its revocation or termination.~~

A photocopy, email, or facsimile copy of this executed Limited Power of Attorney shall be effective as an original.

This Limited Power of Attorney has been authorized by the Shareholders and Directors of the Corporation.

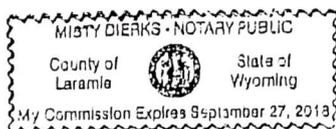
Dated: 2/15/17

Jack's Truck Center, Inc., a Wyoming Corporation,

By: Michael Gillam
Michael R. Gillam, President

State of Wyoming, County of Laramie: ss.

This Limited Power of Attorney was acknowledged before me on February 13, 2017 by Michael R. Gillam, President of Floyd's Truck Center, Inc. a Wyoming Corporation, on behalf of the Corporation.



Misty Dierks
Notary Public



STATE OF WYOMING CERTIFICATE OF RESIDENCY



Contractor Number: 0536

JACK'S TRUCK CENTER, INC. dba Floyd's Truck Center

HAS BEEN GRANTED RESIDENCY STATUS PURSUANT TO WYOMING STATUTE 16-6-101, AS AMENDED. FIVE PERCENT PREFERENCE SHALL BE ALLOWED WHEN BIDDING ON ANY PUBLIC WORKS CONTRACT FOR A PERIOD OF ONE (1) YEAR FROM THE DATE CERTIFICATION IS GRANTED.

GRANTED THIS 2ND DAY OF JULY TWO THOUSAND AND 24

A handwritten signature in black ink, appearing to read "Michete Johnson".

Michete Johnson, Program Manager

EXPIRATION DATE: 7/1/2025

To verify the authenticity of the certificate,
please contact our office at 307-777-7261 or visit
wyomingworkforce.org/businesses/labor/info



CERTIFICATE SERIAL NUMBER: 0207202429

STATE OF WYOMING

VEHICLE DEALER LICENSE

THIS IS TO CERTIFY

JACK'S TRUCK CENTER INC dba FLOYD'S TRUCK CENTER WY

F 17-7145

Name

License Number

has met the requirements as set forth by Wyoming Statute, and is duly licensed to engage in the business of a vehicle dealer in the State of Wyoming for the class of license indicated by this certificate.

New Vehicle Dealer Used Vehicle Dealer Used Vehicle Dealer
Less than 12 Sales

New Vehicles to be Sold: **FREIGHTLINER, WESTERN STAR, AUTOCAR & GLOBE TRUCKS; JET, MANAC, FONTAINE, FELLING, VALOR & DEMCO TRAILERS**

*****This dealer deals in the makes & types of New Vehicles listed above and may also sell Used Vehicles of any type*****

Address of Vehicle Dealer: **6100 S DOUGLAS HWY**

GILLETTE, WY 82718

Number of Demo Plates Authorized: 6

Number of Full Use Plates Authorized: 3



Effective Date: **DECEMBER 19, 2023**

Expiration Date: **DECEMBER 19, 2024**