BID SUBMITTAL FORM

Alabama County Joint Bid Program

BID ITEM – HEAVY DUTY DUMP CHASSIS - OPTION F

Company Name: Southland International Trucks, Inc dba Southland Transportation Group

Address: 1563 Maxwell Blvd
Montgomery, AL 36104

Bid Submitted by: Tim Bagents
(Name of company representative)

Title: Senior Account Manager E-mail address: tbagents@southlandtransportationgroup.com

Phone: 334-832-4102 Fax: 334-832-4941

By submitting this bid, we agree:

	Initials
That the equipment model number identified below meets the bid specs for this bid item	TB
That the bid price will be honored for all counties for the period from Jan. 1, 2022, to Dec. 31, 2022.	TB
That the equipment will be delivered at the bid price to all counties participating in the joint bid program	TB
That the company representative listed above will be the contact person for purchasing this bid item under the joint bid program	TB
That the bid is accompanied by a current catalog or model specification document for the model number identified below	TB
That the bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications	TB
That the bid includes the e-verify documentation required by Alabama law	TB
That, if awarded the bid, a performance bond will be provided upon request	TB
That an option sheet with individual pricing is attached	TB

Total Bid Price including options: $ 129,995.00

Equipment Model #: HX620

Description: Vocational dump chassis

Signature of company representative submitting bid: Tim Bagents

Title: Senior Account Manager

OPTION COST SHEET FOR HEAVY DUTY DUMP TRUCK CHASSIS
OPTION F

Options	Option Price
Allison 4500-RDS-6 six speed automatic with double over drive	$ 10,050.00
Outside aluminum wheels (6) on rear and lift axle in lieu of standard wheels.	$ 0.00
Dual vertical exhaust tailpipes, shall be cab mounted with bright finish heat shields and turnback outlet (in lieu of standard exhaust)	$ 1,174.00
Dual cowl mounted stainless steel air cleaners in lieu of standard	$ 851.00

NOTE: Award will be made on the basis of the total cost of the Truck with all options included. However, a county may, at its discretion, deduct one or more of the above-referenced options from the truck, and in such event, the cost of the option as stated on the bid shall be deducted from the total cost of the trailer. There shall be no other deductions and no additions made to the trailers by the purchasing county or by the vendor.

Equipment Model #: HX620

Description: Vocational dump chassis

Signature of company representative submitting bid: Tom Bagen

Title: Senior Account Manager

BID SPECIFICATIONS
FOR
HEAVY DUTY DUMP TRUCK CHASSIS - OPTION F

GENERAL

These specifications shall be construed as the minimum acceptable standards for a heavy duty dump truck chassis. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine offered for bid shall include all standard manufacturers' equipment.

The use of specific names or numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size, and quality of equipment considered best adapted to the uses of counties participating in this joint bid.

Note all units offered for bid must be of manufacturer's current production model and must be fully compliant with EPA standards in effect at the time of manufacture.

BID SUBMITTAL FORM

Each bidder must submit his or her bid on the Bid Submittal Form included in the invitation to bid package. All written warranties to be submitted shall be attached to the Bid Submittal Form.

BID PRICE

The price bid shall include all destination charges, delivery charges, title fees, rebates and all other applicable costs and refunds.

REPLACEMENT PARTS AVAILABILITY

Parts must be available for 5 years or 500,000 miles of use for the piece of equipment bid.

WARRANTY

Bidders shall submit a copy of the manufacturer's standard warranty along with a complete explanation of the warranty with their bid. Warranty must be transferable. Warranty must include the following minimum coverage:

Basic Vehicle: 1 Year or Unlimited miles

Diesel Engine: 2 year or 250,000 miles. However, counties will have the option to purchase additional coverage (an extended warranty) if negotiated between the purchasing county and successful bidder within the first 9 months of truck purchase.

Transmission: 3 Year or 300,000 miles
Rear Carriers: 3 Year or 300,000 miles

Yes ✓ No ___
Page# 2526
Or Attachment ✓

ASSEMBLY AND DELIVERY

The truck chassis will be purchased for use with a 16' dump body and optional body equipment that is to be bid separate and apart from the truck chassis. The dump body company will be responsible for assembly and installation of the dump body and related optional equipment, including the cost of the same. The selling truck chassis dealer will be responsible for delivery of the chassis to the dump Body Company for installation and for delivery of the complete dump truck unit to the county following installation and assembly of the dump body and related options onto the truck chassis. Freight to and from the Dump Body Company will be included in the truck bidder's proposal. Dump body installation and assembly costs will be included in the dump body bidder's proposal.

DOT INSPECTION AND SAFETY EQUIPMENT

Prior to delivery each unit shall be DOT inspected and include the appropriate documentation and decal. In addition each unit shall be equipped with the required fire extinguisher and reflective triangle kit.

ENGINE AND RELATED COMPONENTS

Shall be an in line 6 design 15 liter, turbo charged diesel engine capable of developing 500 HP @1900 RPM with a torque rating of 1,850 lb. ft, @ 950 RPM	Yes ✓ No ___ Page # 5
Radiator to have a quick drain/filling option	Yes ✓ No ___ Page # 5
Bug Screen shall be mounted between Grill and Radiator	Yes ✓ No ___ Page # 5
Engine cooling system to have a minimum 1,325 square inches of frontal area and extended life coolant protection to -40 degrees F.	Yes ✓ No ___ Page # 5
Fan drive to be (2) two speed type with a manual over-ride switch dash mounted.	Yes ✓ No ___ Page # 5
Single horizontal exhaust system, shall be frame mounted right side under cab with bright finish muffler/tail pipe guard, and bright finish vertical turnback tail pipe. Exhaust height 10'.	Yes ✓ No ___ Page # 12
Single canister Diesel Particulate Filter and SCR catalyst to be frame mounted right side under cab	Yes ✓ No ___ Page # 13
Factory installed integral Engine Compression Brake.	Yes ✓ No ___ Page # 3
Engine electronics to include shutdown capabilities for critical engine functions, Full Diagnostic capability and road limiting and cruise control feature.	Yes ✓ No ___ Page # 10+11

STARTING AND ELECTRICAL SYSTEM

12-Volt system fuse/circuit breaker protected — Yes ✓ No ___ Page # 3

12V starter with soft engagement required. — Yes ✓ No ___ Page # 4

Minimum 160 Amp Alternator with remote voltage sensor capability to monitor battery charge and adjust alternator output accordingly. — Yes ✓ No ___ Page # 4

Maintenance free (3) 1980 CCA batteries to be mounted in a single aluminum box with a stainless-steel bright finish cover mounted right side back of cab. — Yes ✓ No ___ Page # 4

Cab & Chassis electrical and air lines shall be color coded and continually numbered so technicians can easily identify and trouble shoot as necessary. — Yes ✓ No ___ Page # 14

Vehicle shall be equipped with manual reset circuit breakers on all circuits over 5 amps Where possible, except headlight and wiper motor circuits which shall be protected using Continuous reset circuit breakers to allow continued operation during a momentary Overload for trouble shooting convenience and circuit protection. — Yes ✓ No ___ Page # 12

Electrical Circuit breaker panel (no tools needed for access) shall be located inside cab passenger side dash to prevent exposure to corrosive elements. — Yes ✓ No ___ Page # 12

TRANSMISSION AND DRIVELINE

A manual ten (10) speed overdrive design, with a minimum first gear reduction of 12.94 to 1. — Yes ✓ No ___ Page # 12 + 16

A dash mounted transmission temperature gauge is required. — Yes ✓ No ___ Page # 12

Spicer SPL 250 low maintenance driveshaft, with lube for life splines required for durability and low maintenance. — Yes ✓ No ___ Page # 3

Clutch action shall be air assisted with hydraulic actuator to lower pedal effort and reduce operator fatigue. — Yes ✓ No ___ Page # 12

CAB EXTERIOR

119" inch BBC double sided galvanized steel conventional day cab — Yes ✓ No ___ Page # 17 + 19

62° forward door opening for easy cab entry. Door design includes hinges located at the front edge of the door. Door latch system is removable as a module for easy repair. — Yes ✓ No ___ Page # 12

Cab glass to be safety tinted. — Yes ✓ No ___ Page # 7

Cab to have chrome grab handles on both sides of the cab. — Yes ✓ No ___ Page # 7

Cab mounting shall be air suspended on dual air bags. — Yes ✓ No ___ Page # 6

Cab should feature:

Dual chrome air horns with snow shields, in addition to the city horn. — Yes ✓ No ___ Page # 3+4

Chrome finish grill including surround and vertical accent bars with black mesh and bug screen mounted behind grill. Stainless steel bug deflector mounted on hood. — Yes ✓ No ___ Page # 5

Mirror package to include Aero pedestal bright finish heated power adjustable mirrors with 6.5" X 14" flat glass and 6.5" X 6" convex mirrors; bright finish hood mounted convex mirrors 7.5" X 7", right and left sides. — Yes ✓ No ___ Page # 8

Bright finish exterior sunshade with integral clearance / marker lights — Yes ✓ No ___ Page # 8

Hood shall be constructed of composite material. (No Fiberglass) — Yes ✓ No ___ Page # 5

Multi-piece hood construction that allows the entire side fender to be replaced Independent of the hood. — Yes ✓ No ___ Page # 18

Cab and hood paint color to be selected from manufacturer's standard non-metallic paint chart — Yes ✓ No ___ Page # 5

High strength double sided galvanized steel cab construction. — Yes ✓ No ___ Page # 19

CAB INTERIOR

Cab interior to include the following:

Storage pocket located on back wall of cab between seats — Yes ✓ No ___ Page # 8

Cab should have interior sun visors on both sides of cab. — Yes ✓ No ___ Page # 8

Cab interior trim package is to be Diamond Elite — Yes ✓ No ___ Page # 8

Dash features to include:
Premium level gauge cluster includes English electronic speedometer, ambient temperature gauge, engine oil temperature gauge, transmission oil temperature gauge, air application gauge, manifold pressure gauge, air cleaner restriction gauge with text message in cluster, PTO hour meter, On Board Diagnostics display of fault codes. — Yes ✓ No ___ Page # 7+8

Fresh air filter attached to air intake cover on cowl tray in front of windshield under hood. — Yes ✓ No ___ Page # 8

Full adjusting tilt and telescopic steering column — Yes ✓ No ___ Page # 3

Cab seats should be:

Driver ISRI Series 500, air suspension, high back, synthetic leather, adjustable bolsters, double chamber lumbar, heat, ventilation, inboard armrest, adjustable Shocks, suspension cover, fore/aft isolator, cushion extension, seat tilt, memory quick down — Yes ✓ No ___ Page # 7

Passenger National non-suspension, high back with integral headrest, synthetic leather, fixed back and underset storage — Yes ✓ No ___ Page # 8

Factory installed air conditioning with integral heater and defroster. — Yes ✓ No ___ Page # 7

AM/FM/WB/Clock/Bluetooth/USB input/Auxiliary input. CB Radio accommodation package, header mounted. Feeds from accessory side of ignition switch with power source, one antenna and base with wiring on left mirror; auxiliary CB radio speaker. Roof mounted, shark fin antenna. Two (2) 6.5" dual cone speakers mounted in doors. — Yes ✓ No ___ Page # 4

Additional power sources: Dash mounted 2-post terminal type power source; auxiliary power outlet (APO) & USB Port, located in instrument panel. — Yes ✓ No ___ Page # 4

Windshield wipers to be two (2) speed electric with washer and intermittent Feature. — Yes ✓ No ___ Page # 4

Power Windows & Door locks for both Driver & Passenger side shall be provided.	Yes ✓ No ___ Page # 8
Cab shall be equipped with overhead storage console pockets on both Driver & passenger side with retainer nets/ or doors to secure items.	Yes ✓ No ___ Page # 7
1-piece bonded windshield with a surface area of not less than 2385 sq.in. required for improved jobsite visibility.	Yes ✓ No ___ Page # 20
Windshield wiper swept surface area shall be not less than 900 sq.in for optimum visibility during inclement weather.	Yes ✓ No ___ Page # 12
Cab rear window shall measure not less than 52" wide for a panoramic view to the rear of the vehicle.	Yes ✓ No ___ Page # 22
Cab width shall be a minimum of 69.5" at Dash between A-pillars to provide adequate room for in cab mounted equipment.	Yes ✓ No ___ Page # 21
Cab height from Floor to roof shall be a minimum of 52.5" at edge of dash to ensure adequate head room for a variety of drivers.	Yes ✓ No ___ Page # 21
Measurement from center of fuel pedal to back of cab wall shall be not less than 46.75 inches, to accommodate leg room.	Yes ✓ No ___ Page # 21

AIR BRAKES

Air Brake system to be ABS with electronic stability and traction control with heated air dryer, Bendix AD-HF, or equal	Yes ✓ No ___ Page # 2
Air compressor should have 18.7CFM capacity and increased air reservoir capacity for the installation of a pusher style third axle.	Yes ✓ No ___ Page # 2
System to include trailer brake piping with an in-cab control valve.	Yes ✓ No ___ Page # 2
Rear axle brake chambers shall be located to provide "Paver" clearance.	Yes ✓ No ___ Page # 3

FRAME/BUMPER/FUEL TANKS

Frame rail shall be a straight channel side rail design with outer full channel reinforcement. 120,000 PSI frame rails with section modulus of 29.84 and RBM of 3,580,800.	Yes ✓ No ___ Page # 2 & 24

209"-211" wheelbase with a 140"-142" cab to axle optimized for dump body length.	Yes ✓ No ___ Page # 2
Frame tie crossmember underneath the bell housing required.	Yes ✓ No ___ Page # 2
Front bumper Bright Finish stainless clad aluminum.	Yes ✓ No ___ Page # 2
Stainless Steel DEF tank cover	Yes ✓ No ___ Page # 6
Fuel tank to be non-polished aluminum with a minimum of 120-gallon capacity, Located under driver side door of cab.	Yes ✓ No ___ Page # 6
Frame rail shall be a continuous straight structural channel to simplify frame straightening in the event of a front-end collision. A Splayed Front frame rail shall not be acceptable.	Yes ✓ No ___ Page # 24
Heavy Duty front tow pin with 150,000 lbs. total capacity	Yes ✓ No ___ Page # 2
Swing type license plate holder	Yes ✓ No ___ Page # 2
Frame assembly shall be huck bolted in lieu of threaded bolts where possible, to minimize frame bolt re-torque service.	Yes ✓ No ___ Page # 23
FRONT AXLE	
20,000 lb. design steel I beam front axle	Yes ✓ No ___ Page # 2
20,000 lb. parabolic taper leaf front springs with shock absorbers.	Yes ✓ No ___ Page # 2
SET BACK front axle position of 50" +/- 1" only.	Yes ✓ No ___ Page # 17
"S" cam design 16.5" x 6" brakes with outboard mounted drums	Yes ✓ No ___ Page # 3
Front wheels to be aluminum ten (10) hole hub piloted 22.5" x 12.25".	Yes ✓ No ___ Page # 8
Front tires to be 20 ply 425/65R22.5 radials Continental HAC3 or equal.	Yes ✓ No ___ Page # 8

A wide track front axle with King Pin centers greater than 71" shall be provided for improved turn angle and maneuverability.	Yes ✓ No ___ Page # 2
Threaded Spring bushings in lieu of rubber for service inspection.	Yes ✓ No ___ Page # 12
Steering system shall include dual power gears, to provide maximum torque to steering arms. A single gear and slave cylinder are not acceptable.	Yes ✓ No ___ Page # 3
Turn angle greater than 38 degrees in both directions with 425 Tires required for job site maneuverability and service access	Yes ✓ No ___ Page # 12

REAR AXLE

46,000# capacity single reduction design tandem rear axle with Lube oil pump, and driver controlled locking differentials in both FWD-RR & RR-RR axles. Axle ratio to be determined at time of order.	Yes ✓ No ___ Page # 6
46,000# rubber spring suspension with restrictor cans, and 8 torque rods with shocks walking beam design. Chalmers or equal. Differential locking switches for forward & rear axle on separate switches.	Yes ✓ No ___ Page # 6
In cab Power divider lock out valve with warning light and buzzer.	Yes ✓ No ___ Page # 6
"S" cam design 16.5" x 8.625" brakes with outboard drums	Yes ✓ No ___ Page # 3
Rear wheels to be Alum Disc (10) hole hub piloted 24.5x 8.25 inside and out.	Yes ✓ No ___ Page # 8
Rear tires to be 16 ply traction radials Continental HDL2 DL or equal.	Yes ✓ No ___ Page # 8

OPTIONS

In addition to the above options related to the tri-axle or heavy-duty dump truck chassis, the bid must also include the cost for each of the following options, itemized separately on the bid:

Furnish, as an alternate transmission to the manual 10 speed in the base bid, an Allison 4500-RDS-6 six speed automatic with double over drive.

Yes ✓ No ___
Page # 6

Outside aluminum wheels (6) on rear and lift axle in lieu of standard wheels.

Yes ✓ No ___
Page # 12

Dual vertical exhaust tailpipes, shall be cab mounted with bright finish heat shields, and turnback outlet (in lieu of standard exhaust).

Yes ✓ No ___
Page # 3

Dual cowl mounted stainless steel air cleaners in lieu of standard

Yes ✓ No ___
Page # 5

NOTE: Award will be made on the basis of the total cost of the truck chassis with all options included. However, a county may, at its discretion, deduct the above-referenced option from the truck chassis, and in such event, the cost of the option as stated on the bid shall be deducted from the total cost of the truck chassis. There shall be no other deductions and no additions made to the truck chassis by the purchasing county or by the vendor.

INTERNATIONAL®

October 21, 2021

Prepared For:
ASSOCIATION OF COUNTY COMMISSIONS OF ALABAMA
Chase Cobb
100 NORTH JACKSON STREET
MONTGOMERY, AL 36104-
(334)263 - 7594
Reference ID: ACCA Dump Chass

Presented By:
SOUTHLAND TRANSPORTATION GROUP
Tim Bagents
1563 MAXWELL BOULEVARD
MONTGOMERY AL 36104 -
(334)832-4102

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

Model Profile
2023 HX620 SBA (HX620)

AXLE CONFIG:	6X4
APPLICATION:	Construction Dump
MISSION:	Requested GVWR: 66000. Calc. GVWR: 66000. Calc. GCWR: 140000 Calc. Start / Grade Ability: 31.44% / 2.92% @ 55 MPH Calc. Geared Speed: 83.9 MPH
DIMENSION:	Wheelbase: 209.00, CA: 140.00, Axle to Frame: 75.00
ENGINE, DIESEL:	{Cummins X15 500 V} Productivity Series, EPA 2021, 500HP @ 1900 RPM, 1850 lb-ft Torque @ 950 RPM, 2000 RPM Governed Speed, 512 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 4500 RDS} 5th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, On/Off Highway
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity
AXLE, REAR, TANDEM:	{Meritor RT-46-164P} Single Reduction, Standard Width, 46,000-lb Capacity, with Lube Oil Pump, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends Gear Ratio: 4.56
CAB:	Conventional, Day Cab
TIRE, FRONT:	(2) 425/65R22.5 Load Range L HAC 3 (CONTINENTAL), 465 rev/mile, 68 MPH, All-Position
TIRE, REAR:	(8) 11R24.5 Load Range H HDL2 DL (CONTINENTAL), 468 rev/mile, 75 MPH, Drive
SUSPENSION, REAR, TANDEM:	{Chalmers 854-46H} Walking Beam, 46,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with (8) Torque Rods, Restrictor Cans
FRAME REINFORCEMENT:	Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 10.813" x 3.892" x 0.312" (274.6mm x 98.8mm x 7.9mm), 480.0" (12192mm) OAL
PAINT:	Cab schematic 100LZ Location 1: 9219, Winter White (Std) Chassis schematic N/A

Code	Description	F/R Wt (lbs)	Tot Wt (lbs)
HX62000	Base Chassis, Model HX620 SBA with 209.00 Wheelbase, 140.00 CA, and 75.00 Axle to Frame.	9444/6697	16141
1652	CROSSMEMBER, REAR Relocated to End of Frame	-7/72	65
1AMS	CROSSMEMBER, FRAME TIE for Heavy Duty	51/5	56
1AND	AXLE CONFIGURATION {Navistar} 6x4	0/0	0
	Notes : Pricing may change if axle configuration is changed.		
1CBU	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL	-48/30	-18
1GBP	FRAME REINFORCEMENT Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 10.813" x 3.892" x 0.312" (274.6mm x 98.8mm x 7.9mm), 480.0" (12192mm) OAL	295/612	907
1LEH	LICENSE PLATE HOLDER Single Plate, Swing Type, Mounted Below Front Bumper	1/0	1
1LTE	BUMPER, FRONT Contoured, Aluminum, Stainless Steel Clad, Heavy Duty	-60/10	-50
1SAP	CROSSMEMBER, REAR, AF (1) 5-Piece	-19/84	65
1VBC	TOW PIN, FRONT Heavy Duty; 150,000-lb. Total Capacity	91/-17	74
1WXL	WHEELBASE RANGE 191" (485cm) Through and Including 236" (600cm)	105/-105	0
2ARY	AXLE, FRONT NON-DRIVING {Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity	126/0	126
3AGA	SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 20,000-lb Capacity, with Shock Absorbers	-26/0	-26
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications	0/0	0
	Includes : BRAKE LINES Color and Size Coded Nylon : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SPRING BRAKE MODULATOR VALVE SR-7 with relay valve for 6x4/8x6		
4619	TRAILER CONNECTIONS Four-Wheel, with Hand Control Valve and Tractor Protection Valve, for Straight Truck	2/0	2
4AZS	AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Electronic Stability Program, with Automatic Traction Control	0/0	0
4EDM	AIR DRYER {Bendix AD-HF} with Heater, Includes Pressure Protection Circuits, Safety Valve, Integral Purge Tank, Governor Pressure Settings 110 psi Cut-In/130 psi Cut-Out, Integrated PuraGuard Coalescing Filtration	0/0	0
4EXU	BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 SqIn Spring Brake	0/14	14
4EXV	BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn	4/0	4
4LAG	SLACK ADJUSTERS, FRONT {Gunite} Automatic	14/0	14
4LGG	SLACK ADJUSTERS, REAR {Gunite} Automatic	0/28	28
4SPA	AIR COMPRESSOR {Cummins} 18.7 CFM	0/0	0

Code	Description	F/R Wt (lbs)	Tot Wt (lbs)
4VKC	AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab	0/0	0
4VKK	AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Right Rail, Back of Cab, Perpendicular to Rail	0/0	0
4WBX	DUST SHIELDS, FRONT BRAKE for Air Cam Brakes	10/0	10
4WDM	DUST SHIELDS, REAR BRAKE for Air Cam Brakes	0/20	20
4WDW	BRAKE CHAMBERS, POSITION on Rear/Rear Axle Located Inside Rear Tire Envelope (Meets Asphalt Spreader/Paver Clearance Requirements)	0/0	0
4WXR	DRAIN VALVE (2) {Berg} with Pull Chains, for Air Tanks	0/0	0
4XDS	BRAKES, REAR {Meritor 16.5X8.625 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 8.625", 23,000-lb Capacity per Axle	0/150	150
4XDT	BRAKES, FRONT {Meritor 16.5X6 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 6", 20,000-lb Capacity	33/0	33
4XEE	PARK BRAKE CHAMBERS,ADDITIONAL (2) Spring Brake Type	0/30	30
5710	STEERING COLUMN Tilting and Telescoping	0/0	0
5CBE	STEERING WHEEL 4-Spoke; 18" Dia., Black Leather Wrapped	-7/-1	-8
5PTB	STEERING GEAR (2) {Sheppard M100/M80} Dual Power	108/-12	96
6DGX	DRIVELINE SYSTEM {Dana Spicer} Service Free SPL250 Main Driveline with SPL170 Interaxle Shaft, for 6x4	4/3	7
7BES	AFTERTREATMENT COVER Polished Aluminum	8/3	11
7DXW	EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Dual Vertical Tail Pipes, Cab Mounted, Left Side Pipe is Non-Functional/Aesthetic Only	52/13	65
7SAP	ENGINE COMPRESSION BRAKE {Cummins} Interbrake For Cummins Signature/ ISX/X15 Engines; Furnished with Engine	0/0	0
7WBB	TAIL PIPE (2) Turnback Type, Bright	-4/0	-4
7WDL	MUFFLER/TAIL PIPE GUARD (2) Bright Stainless Steel	0/0	0
7WDM	EXHAUST HEIGHT 10'	0/0	0
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment Includes : HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light : STARTER SWITCH Electric, Key Operated : STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever : WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	0/0	0
8695	SNOW SHIELD (2) Chrome; for Dual Air Horns	1/0	1
8836	HORN, AIR (2) Single Bell, Organ Tone, Extra Long, Chrome	4/0	4

Code	Description	F/R Wt (lbs)	Tot Wt (lbs)
8GGG	ALTERNATOR {Delco Remy 36SI} Brushless, 12 Volt, 165 Amp Capacity, Pad Mount, with Remote Sense	7/0	7
8HAE	BODY BUILDER WIRING Rear of Frame; Includes Sealed Connectors for Tail/ Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn	3/0	3
8MSG	BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud	0/0	0
8RBZ	SPEAKER, AUXILIARY, CB RADIO with Jack for CB; Mounted Left Side Above Driver's Door	0/0	0
8RMV	SPEAKERS (2) 6.5" Dual Cone Mounted in Doors	0/0	0
8RNB	CB RADIO Accommodation Package, Header Mounted, Feeds from Accessory Side of Ignition Switch, Includes Power Source, One Antenna and Antenna Base with Wiring on Left Side Mirror	0/0	0
8RPB	RADIO, AUXILIARY CONTROLS Mounted in Steering Wheel, Radio Function Control Switch, Includes Volume Up/Down, Mute, Forward/Back and Bluetooth Answer/Disconnect	9/1	10
8RPP	ANTENNA Shark Fin, Roof Mounted	1/0	1
8RPS	RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input	3/0	3
8TMG	TRAILER CONNECTION SOCKET {Phillips} 7-Way, Mounted at Rear of Frame, Wired for Turn Signals Combined with Stop, Compatible with Trailers with Combined Stop, Tail, Turn Lamps	0/0	0
8TPR	STOP, TURN, TAIL & B/U LIGHTS {Weldon} Multi-Function LED Lamp, Mounted Outside Rails, Includes LED License Plate Light	0/5	5
8VAY	HORN, ELECTRIC Disc Style	0/0	0
8VUK	BATTERY BOX Aluminum, with Plastic Cover, 18" Wide, 2-4 Battery Capacity, Mounted Right Side Back of Cab	0/0	0
8WCK	POWER SOURCE, TERMINAL TYPE 2-Post	0/0	0
8WEZ	TURN SIGNAL SWITCH Self-Canceling	0/0	0
8WRB	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	0/0	0
8WWD	BATTERY BOX COVER Stainless Steel, Bright Finish	6/4	10
8WXB	HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position	0/0	0
8WXG	STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start	0/0	0
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses	0/0	0
8XHR	POWER SOURCE, ADDITIONAL Auxiliary Power Outlet (APO) with USB Port, Located in the Instrument Panel	1/0	1
8XNZ	HEADLIGHTS Halogen, with Daytime Running Lights	0/0	0
9585	FENDER EXTENSIONS Rubber	18/0	18
9AAB	LOGOS EXTERIOR Model Badges	0/0	0

Code	Description	F/R Wt (lbs)	Tot Wt (lbs)
9AAE	LOGOS EXTERIOR, ENGINE Badges	0/0	0
9ASE	FRONT END Tilting, Composite	0/0	0
9HCN	GRILLE Chrome Vertical Accent Bars, with Black Mesh	0/0	0
9WAC	BUG SCREEN Mounted Behind Grille	5/0	5
9WBD	BUG DEFLECTOR Stainless Steel, Mounted on Hood	5/0	5
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100	0/0	0
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone	0/0	0
10ADT	COMMUNICATIONS MODULE Telematics Device with Over the Air Programming; Includes Two Year Data Plan	1/0	1
10SLV	PROMOTIONAL PACKAGE Government Silver Package	0/0	0
10WCY	SAFETY TRIANGLES	5/1	6
11001	CLUTCH Omit Item (Clutch & Control)	-126/-18	-144
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection	0/0	0
12864	BLOCK HEATER, ENGINE {Phillips} 120V/1500W	2/0	2
	Includes : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door		
12ETN	ENGINE, DIESEL {Cummins X15 500 V} Productivity Series, EPA 2021, 500HP @ 1900 RPM, 1850 lb-ft Torque @ 950 RPM, 2000 RPM Governed Speed, 512 Peak HP (Max)	623/54	677
12THT	FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed	0/0	0
	Includes : FAN Nylon		
12VBA	AIR CLEANER Dual, Polished Stainless Steel, One Mounted on Each Side of Cowl Ahead of The Doors	32/4	36
12VHZ	EMISSION, CALENDAR YEAR {Cummins X15} EPA, OBD and GHG Certified for Calendar Year 2022	0/0	0
12WBR	FAN OVERRIDE Manual; with Electric Switch on Instrument Panel, (Fan On with Switch On)	2/0	2
12WCX	HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type	0/0	0
12WTA	FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted	0/0	0
12WYZ	RADIATOR DRAIN & FILL FITTING SPECIAL; To Vacuum Out or Fill the Cooling System from the Bottom of Radiator, for Use with Quick-Connect Radiator Drain Tool or Shop Coolant Evacuation-Fill System	0/0	0
12WZE	CARB IDLE COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations	0/0	0
12XBC	RADIATOR Aluminum, Welded, Down Flow, Front to Back System, 1325 Sqln, with 806 Sqln Charge Air Cooler	0/0	0
	Includes		

Code	Description	F/R Wt (lbs)	Tot Wt (lbs)
	: RADIATOR HOSES Premium, Rubber		
12XCS	CARB EMISSION WARR COMPLIANCE Federal, Does Not Comply with CARB Emission Warranty	0/0	0
13AUW	TRANSMISSION, AUTOMATIC {Allison 4500 RDS} 5th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, On/Off Highway	78/30	108
13WCU	OIL COOLER, AUTO TRANSMISSION {Modine} Remote Mounted; Not for use with Retarder	42/-6	36
13WET	TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission	1/0	1
13WLM	TRANSMISSION OIL Synthetic; 63 thru 76 Pints	0/0	0
13WUC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223	0/0	0
13WVV	NEUTRAL AT STOP Allison Transmission Shifts to Neutral When Service Brake is Depressed and Vehicle is at Stop; Remains in Neutral Until Service Brake is Released	0/0	0
13WYU	SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming	0/0	0
13XAA	PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring	0/0	0
14862	PDL WARNING BUZZER Power Divider Lock	0/0	0
14HRE	AXLE, REAR, TANDEM {Meritor RT-46-164P} Single Reduction, Standard Width, 46,000-lb Capacity, with Lube Oil Pump, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends . Gear Ratio: 4.56	0/514	514
14UZU	SUSPENSION, REAR, TANDEM {Chalmers 854-46H} Walking Beam, 46,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with (8) Torque Rods, Restrictor Cans	0/-11	-11
14WBN	DIFF. SWITCH CONTROLS Two Independent Switches for Control Traction Differentials on Tandem Rear Axles, Mounted on Dash	1/0	1
14WBU	SHOCK ABSORBERS, REAR (4) for Chalmers Suspension Only, Mounted from Frame to Beam	0/24	24
14WMK	AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 65 thru 89.99 Pints	0/0	0
15BAA	DEF TANK COVER Stainless Steel	3/0	3
15LKX	FUEL/WATER SEPARATOR {Davco Fuel Pro 382} 12 VDC Electric Heater, Includes Pre-Heater, Includes Water-in-Fuel Sensor	3/0	3
15LNA	FUEL HEATER {Cummins} Plumbing for Thermal Recirculation Valve (TRV) Mounted to Cummins X15 Engines, Thermostatically Controlled	0/0	0
15SMZ	FUEL TANK Non-Polished Aluminum, 24" Dia, 120 US Gal (454L), Mounted Left Side, Under Cab	22/40	62
15WDR	DEF TANK 10.6 US Gal (40L) Capacity, Frame Mounted Outside Left Rail, Under Cab	0/0	0
16030	CAB Conventional, Day Cab	0/0	0
	Includes : CAB REAR SUSPENSION Air		

Code	Description	F/R Wt (lbs)	Tot Wt (lbs)
	: CLEARANCE/MARKER LIGHTS (5) LED Roof Mounted : COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window : CONSOLE, CENTER Includes Two Cup Holders and One Additional Storage Area : CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger : COURTESY LIGHT (2) Driver and Passenger Door Mounted : DOME LIGHT, CAB Rectangular, Door and Instrument Panel Mounted Switch Activated, Timed Theater Dimming, Center Mounted, Integral to Console : FLOOR COVERING Rubber, Black : GLASS, ALL WINDOWS Tinted : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side : GRAB HANDLE, CAB INTERIOR (4) "B" Pillar and Door Mounted, Two Each Side : READING LIGHT, CAB Located in Overhead Console : STORAGE POCKET, DOOR (2) Full Length, Driver and Passenger Door		
16564	HEATER SHUT-OFF VALVES (1) Ball Valve Type, Supply Line	5/0	5
16BAM	AIR CONDITIONER with Integral Heater and Defroster	0/0	0
	Includes : HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps		
16GEG	GAUGE CLUSTER Premium Level; English with English Electronic Speedometer	0/0	0
	Includes : GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/ Refill for : GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure : WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure (Primary and Secondary)		
16HCS	GAUGE, TEMPERATURE, AMBIENT Sensor Wiring with Display Unit Mounted in Cluster	0/0	0
16HGG	GAUGE, OIL TEMP, ENGINE	1/0	1
16HGH	GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission	1/0	1
16HGN	GAUGE, AIR APPLICATION	1/0	1
16HKB	GAUGE, MANIFOLD PRESSURE Data Link Driven; Mounted in Instrument Panel, Includes Controller Module	0/0	0
16HKC	GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} Under Hood Cleaner Mounted with Internal Switch, with Text Message in Cluster	0/0	0
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	0/0	0
16HLR	VIRTUAL GAUGE, AIR APPLICATION Requires Premium Cluster	0/0	0
16LWU	SEAT, DRIVER {ISRI} Series 500, Air Suspension, High Back, Synthetic Leather, Adjustable Bolsters, Double Chamber Lumbar, Heat, Ventilation, Inboard Armrest, Adjustable Shocks, Suspension Cover, Fore/Aft Isolator, Cushion Extension, Seat Tilt, Memory Quickdown	0/0	0
16SDC	GRAB HANDLE, EXTERIOR (2) Chrome, Towel Bar Type, with Anti-Slip Rubber Inserts, for Cab Entry Mounted Left and Right Side at B-Pillar	6/0	6

Code	Description	F/R Wt (lbs)	Tot Wt (lbs)
16SNV	MIRRORS (2) Aero Pedestal, Power Adjust, Heated, Turn Signals, Bright Heads, Black Arms, 6.5" x 14" Flat Glass, Includes 6.5" x 6" Convex Mirrors, for 102" Load Width	0/0	0
	Notes : Mirror Dimensions are Rounded to the Nearest 0.5"		
16SNY	MIRROR, CONVEX, HOOD MOUNTED (2) Right and Left Sides, Bright, 7.5" x 7"	11/-1	10
16SRL	SEAT, PASSENGER {National} Non Suspension, High Back with Integral Headrest, Synthetic Leather, with Fixed Back, with Under Seat Storage	30/10	40
16UZJ	STORAGE, REAR WALL Storage Pocket, Located on Back Wall Between Driver and Passenger Seats	3/0	3
16VVB	CAB INTERIOR TRIM Diamond Elite, for Day Cab	0/0	0
	Includes : DOOR TRIM, INTERIOR Bright Handle : INSTRUMENT PANEL TRIM Black with Woodgrain Accent, Black Gauges with Chrome Bezels : SUN VISOR (4) Padded Vinyl, 2 Moveable (Front-to-Side) Primary Visors and 2 Flip-down Auxiliary Visors; Vanity Mirrors and Toll Ticket Straps Driver and Passenger Sides		
16WJU	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	0/0	0
16WLM	HOURMETER, PTO for Customer Provided PTO; with Indicator Light and Hourmeter in Gauge Cluster Includes Return Wire for PTO Feedback Switch	2/0	2
16WLS	FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood	0/0	0
16XBZ	MODESTY PANEL Painted Body Color, with LED Lights, for Day Cab	0/0	0
16XJP	INSTRUMENT PANEL Wing Panel	0/0	0
16XTM	ACCESS, CAB Aluminum, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab or Sleeper Cab	0/0	0
16XWE	SUNSHADE, EXTERIOR Bright Finish, with Integral Clearance/Marker Lights	20/1	21
27DBA	WHEELS, FRONT {Accuride 29374} DISC; 22.5x12.25 Rims, Extra Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs	0/0	0
28DWJ	WHEELS, REAR {Accuride 42362} DUAL DISC; 24.5x8.25 Rims, Standard Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs	0/-136	-136
29WLK	WHEEL BEARING, FRONT, LUBE {EmGard FE-75W-90} Synthetic Oil	0/0	0
7384225417	(8) TIRE, REAR 11R24.5 Load Range H HDL2 DL (CONTINENTAL), 468 rev/mile, 75 MPH, Drive	0/232	232
7752665441	(2) TIRE, FRONT 425/65R22.5 Load Range L HAC 3 (CONTINENTAL), 465 rev/mile, 68 MPH, All-Position	132/0	132
	Services Section:		
40132	WARRANTY Standard for HX520, HX620, Effective with Vehicles Built January 1, 2021 or Later, CTS-2015B	0/0	0
	Total Component Weight:	**11141/8384**	**19525**

Code	Description	F/R Wt (lbs)	Tot Wt (lbs)
	LOT, PDI, Deliver	0/0	0
	Total Goods Purchased:	**0/0**	**0**

The weight calculations included in this proposal are an estimate of future vehicle weight. The actual weight as manufactured may be different from the estimated weight. Navistar, Inc. shall not be liable for any consequences resulting from any differences between the estimated weight of a vehicle and the actual weight.

(0012ETN)
ATTACHMENTS: 0016BAM 0012WBR 0012THT 0007SAP

Parameter	Value	UOM
Max Accelerator Vehicle Speed	68	MPH
Road Speed Governor Upper Droop	0	MPH
Road Speed Governor Lower Droop	3	MPH
Driver Initiated Override (DIO)	N, DISABLE FEATURE OR FUNCTION	N/A
DIO Maximum Road Speed Delta	3	MPH
DIO Maximum Distance	30	MILES
Max Engine Speed No Veh Speed Sensr	1597	RPM
LBSC Enable	N, DISABLE FEATURE OR FUNCTION	N/A
LBSC - Engine Speed Breakpoint	1650	RPM
Fuel Economy Adjustment Factor	0, BALANCED FUEL ECONOMY	N/A
Gear Down Protection Enable	Y, ENABLE FEATURE OR FUNCTION	N/A
GDP - Heavy Load Vehicle Speed	55	MPH
GDP - Light Load Vehicle Speed	50	MPH
Driver Reward Enable	N, DISABLE FEATURE OR FUNCTION	N/A
Driver Reward Mode	2, ROAD SPEED GOVERNOR & CRUISE CONTROL	N/A
Fuel Economy - Expected Level	7.00	MPG
Fuel Economy - Good Level	7.25	MPG
Fuel Economy - Best Level	7.50	MPG
% Idle Time - Expected Level	20	%
% Idle Time - Good Level	15	%
% Idle Time - Best Level	10	%
Speed Reward - Expected Level	0	MPH
Speed Reward - Good Level	0	MPH
Speed Reward - Best Level	0	MPH
Speed Reward - Penalty Level	0	MPH
Idle Speed Adjustment Enable	N, DISABLE FEATURE OR FUNCTION	N/A
Low Idle Speed	600	RPM
Idle Shutdown Enable	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Time Before Shutdown	5.0	MIN
ISD Percent Engine Loading	50	%
ISD In PTO	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Manual Override	N, DISABLE FEATURE OR FUNCTION	N/A
ISD With Parking Brake Set	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Ambient Temperature Override	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Cold Ambient Air Temperature	30	F
ISD Intermediate Ambient Air Temp	40	F
ISD Hot Ambient Air Temperature	81	F
ISD Manual Override Inhibit Zone En	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Hot Ambient Automatic Override	Y, ENABLE FEATURE OR FUNCTION	N/A
ISD Engine Coolant Temp Threshold	53	F
Cruise Control Enable	Y, ENABLE FEATURE OR FUNCTION	N/A
CC Maximum Vehicle Speed	68	MPH
CC Save Set Speed	N, DISABLE FEATURE OR FUNCTION	N/A
CC Upper Droop	0.0	MPH
CC Lower Droop	3.0	MPH
CC Auto Resume	N, DISABLE FEATURE OR FUNCTION	N/A
CC Ovrspd Retard Activation Enable	Y, ENABLE FEATURE OR FUNCTION	N/A
CC Overspeed for Max Retarder	5.0	MPH
CC Overspeed for Min Retarder	3.0	MPH
CC Engine Brake Swtch Bypass Enable	N, DISABLE FEATURE OR FUNCTION	N/A
Retarder - Min Vehicle Speed	2	MPH
Retarder - Delay Time	1.0	SEC
Retarder - Service Brake Activation	Y, ENABLE FEATURE OR FUNCTION	N/A
Force Fan On With Retarder	N, DISABLE FEATURE OR FUNCTION	N/A
Engine Fan Min On Time For AC	30	SEC

Remote Accelerator Enable	N, DISABLE FEATURE OR FUNCTION	N/A
Remote Accelerator Mode	1, REMOTE ACCELERATOR PEDAL OR LEVER WITH TRANS VERIFICATION	N/A
PTO Enable	N, DISABLE FEATURE OR FUNCTION	N/A
PTO In Cab Mode	Y, ENABLE FEATURE OR FUNCTION	N/A
Remote PTO Enable	N, DISABLE FEATURE OR FUNCTION	N/A
Remote Station PTO Enable	N, DISABLE FEATURE OR FUNCTION	N/A
PTO Max Engine Speed	2000	RPM
PTO Min Engine Speed	600	RPM
PTO Maximum Engine Load	800	LB-FT
PTO Max Vehicle Speed	2	MPH
PTO Accelerator Override	N, DISABLE FEATURE OR FUNCTION	N/A
PTO Accel Override Max Engine Speed	2030	RPM
PTO Clutch Override	N, DISABLE FEATURE OR FUNCTION	N/A
PTO Service Brake Override	Y, ENABLE FEATURE OR FUNCTION	N/A
PTO Parking Brake Interlock Mode	3, PTO PRK BRK INT TYPE SET TO ALL	N/A
PTO Transmission Neutral Interlock	N, DISABLE FEATURE OR FUNCTION	N/A
PTO Eng Spd Limit w/VSS Limit	N, DISABLE FEATURE OR FUNCTION	N/A
PTO Ignore Vehicle Speed Sensor	N, DISABLE FEATURE OR FUNCTION	N/A
PTO Resume Switch Speed	925	RPM
PTO Set Switch Speed	850	RPM
PTO Additional Switch Speed	1000	RPM
PTO Ramp Rate	100	RPM/SEC
Remote PTO Number of Speed Settings	1	N/A
Remote PTO Speed Setting 1	600	RPM
Remote PTO Speed Setting 2	600	RPM
Remote PTO Speed Setting 3	600	RPM
Remote PTO Speed Setting 4	600	RPM
Remote PTO Speed Setting 5	600	RPM
Remote Station PTO Resume Sw Spd	750	RPM
Remote Station PTO Set Switch Speed	700	RPM
Remote Station PTO Addition Sw Spd	800	RPM
Transmission Driven PTO	N, DISABLE FEATURE OR FUNCTION	N/A
Transmission Driven PTO Type	2, TRANSMISSION DRIVEN IRREGULAR LOAD	N/A
Powertrain Protection Enable	N, DISABLE FEATURE OR FUNCTION	N/A
Max Torque Allow By Axle/Driveshaft	32744	LB-FT
Max Torque in Top Gear Range	5000	LB-FT
Max Torque in Int. Gear Range	5000	LB-FT
Max Torque in Low Gear Range	5000	LB-FT
Max Torque w/o Vehicle Speed	5000	LB-FT
Lowest Gear of Top Gear Range	2.00	N/A
Lowest Gear of Int. Gear Range	10.00	N/A
Lowest Gear of Low Gear Range	16.00	N/A
Engine Protection Shutdown	Y, ENABLE FEATURE OR FUNCTION	N/A
Engine Protection Restart Inhibit	Y, ENABLE FEATURE OR FUNCTION	N/A
Engine Prot Coolant Level Shutdown	Y, ENABLE FEATURE OR FUNCTION	N/A
Sudden Veh Speed Decel Threshold	6.96	MPH
Trip Information Vehicle Ovrspeed1	75	MPH
Trip Information Vehicle Ovrspeed2	77	MPH
Veh Speed Sensor Anti Tamper Level	1, HIGH LEVEL	N/A
Maintenance Monitor Enable	N, DISABLE FEATURE OR FUNCTION	N/A
Maintenance Monitor Operating Mode	0, MAINTENANCE MONITOR AUTOMATIC MODE OF OPERATION	N/A
Maintenance Monitor Alert Percent	90	%
Maintenance Monitor Distance	15000	MILES
Maintenance Monitor Fuel	9090	GALLONS
Maintenance Monitor Time	800	HOURS
Maintenance Monitor Interval Factor	2.00	N/A
Master Password	000000	N/A

HEAVY DUTY DUMP TRUCK CHASSIS OPTION F

EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Cab Mounted Right Side

MUFFLER/TAIL PIPE GUARD (1) Bright Stainless Steel

TAIL PIPE (1) Turnback Type, Bright

EXHAUST HEIGHT 10'

TRANSMISSION, MANUAL {Eaton Fuller FRO/FROF-18210C} 10-Speed Manual, Overdrive, Air Shift, Internal Lube Oil Pump

VIRTUAL GAUGE, OIL TEMP, MANL XMSN for Manual Transmission, Requires Premium Cluster

CLUTCH EFFECTS Hydraulic Clutch Actuation System, with Air Assist

Wide track front axle with King Pin centers greater than 71" for improved turn angle and maneuverability

Threaded Spring bushings in lieu of rubber for service inspection

Turn angle greater than 38 degrees in both directions with 425 Tires required for job site maneuverability and service access

Manual reset circuit breakers on all circuits over 5 amps where possible, except headlight and Wiper motor circuits which shall be protected using continuous reset circuit breakers to allow continued operation during a momentary overload for trouble shooting convenience and circuit protection

Electrical Circuit Breaker Panel (No Tools Needed for Access) shall be located inside the cab to prevent exposure to corrosive elements

1 Piece Windshield with a surface area of not less than 1900 sq.in. for improved jobsite visibility

Measurement from center of fuel pedal to back of cab wall 46.5 inches

Outside Aluminum Wheels (6) on Rear and Left Axles

62" Forward Door Opening, Hinges Located at Front Edge of Door. Door Latch System is Removeable as a Module

Windshield Swept Surface Area ~~9900~~ 9001B✓ Sq. In

Wide Track Front Axle with Up To 40 Degree Wheel Cut with 425 Tires (Left and Right)

07 - HX Exhaust

F: Single canister after treatment

A:

- Light weight, compact design

B:

- 80% less time required to replace
- Significant uptime benefit over EGR, incremental benefit over dual canister SCR





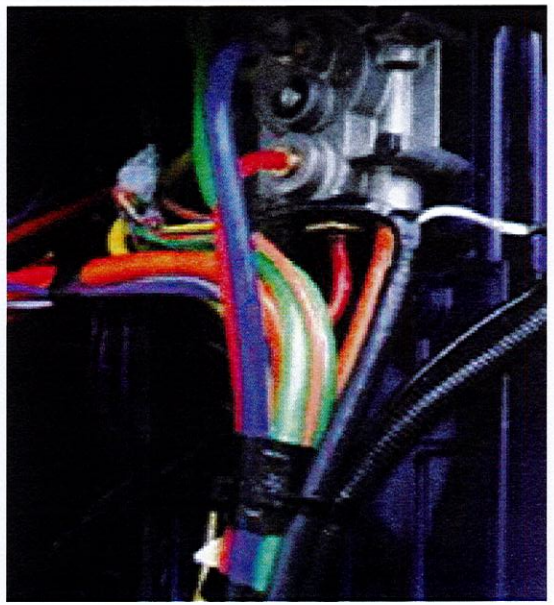
13

Vertical-vertical is available (07BLX)

International® is a registered trademark of NAVISTAR, Inc.

Serviceability

- Color-coded and continuously numbered wiring and air lines installed after chassis is painted
- Quality Connect air lines for fewer leaks and less downtime



14

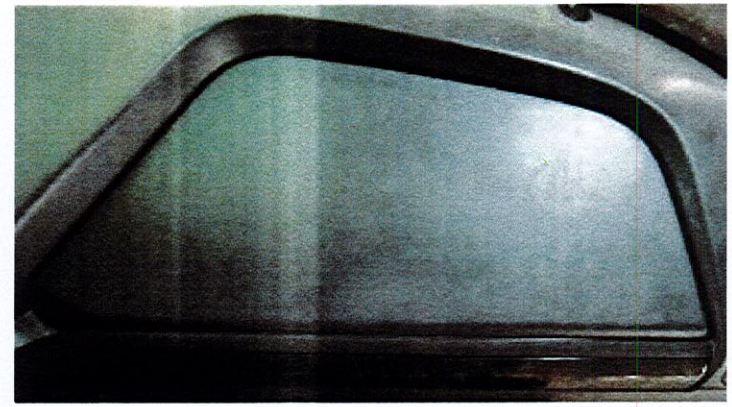
F: Fuse / Circuit Breaker panel

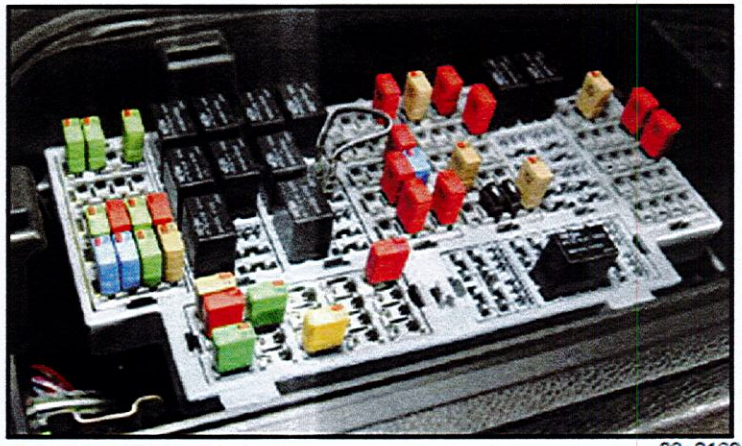
A:

- In the top of dash on passenger side
- Gutter

B:

- Easy access to circuit breakers (STD) while providing a flat service for writing
- The gutter protects components against liquids





Circuit Breakers

08_0160

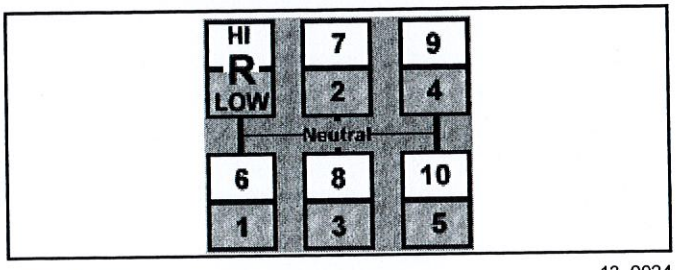
15

Manual Transmissions – 10-Speed (Continued)

Feature Code		13GHP[4]	13GHS[4]	13GKZ[4]	
Manufacturer/ Model Number		Fuller FRO-15210C	Fuller FRO-16210C	Fuller FRO/FROF-18210C	
GCWR	(lbs.)	140,000[3]	140,000[3]	140,000[3]	
GVWR	(lbs.)	90,000	90,000	90,000	
Ratios & % Split to Next Lower Gear		Ratio	% Split	Ratio	% Split
	1st	12.69	37	12.94	39
	2nd	9.29	38	9.29	38
	3rd	6.75	38	6.75	38
	4th	4.90	35	4.90	35
	5th	3.62	40	3.62	37
	6th	2.59	37	2.64	39
	7th	1.90	38	1.90	38
	8th	1.38	38	1.38	38
	9th	1.00	35	1.00	35
	10th	0.74		0.74	
	Rev. 1	13.75		13.75	
	Rev. 2	2.80		2.80	
PTO Opening		Right 6-Bolt; Bottom 8-Bolt[2]			
PTO Gear Speed	(% of Engine RPM)	84.0 (All)			
Gearing		Twin Countershaft with Conical Clutching Teeth and Helical Gears in Reduction Unit			
Synchronizers		None; But with Synchronized Reduction Unit			
Nominal Torque Capacity	(lb-ft)	1550	1650[6]	1850	
Case Material		Grey Iron			
Clutch Housing Material[2]		Grey Iron[5]			
Dry Weight[1]	(lbs.)	668.0	668.0	668.0	
Lubricant Capacity	(Pints)	23.5	23.5	23.5	
Comments		Includes Magnetic Discs (3) in Case & Magnetic Drain Plug			

NOTES:

[1] = Includes Clutch Housing.
[2] = Thru-Shaft PTO also available.
[3] = Oil Cooler Mandatory with Engines Rated 400 HP or More.
[4] = Integral Lube Pump Included.
[5] = Aluminum Clutch Housing Available (13WAS) (53-lb. Wt. Saving)
[6] = Peak engine torque up to 1700 lb-ft straight rated is approved..



13_0024

Shift Pattern

16

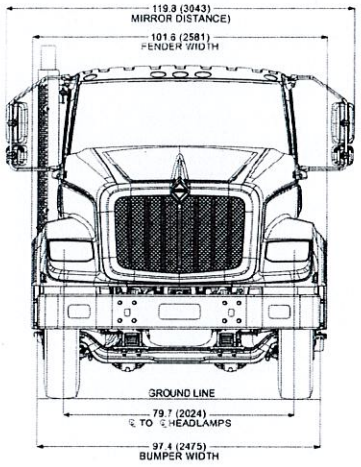
STANDARD CHASSIS SPECIFICATIONS

STANDARD CHASSIS SPECIFICATIONS

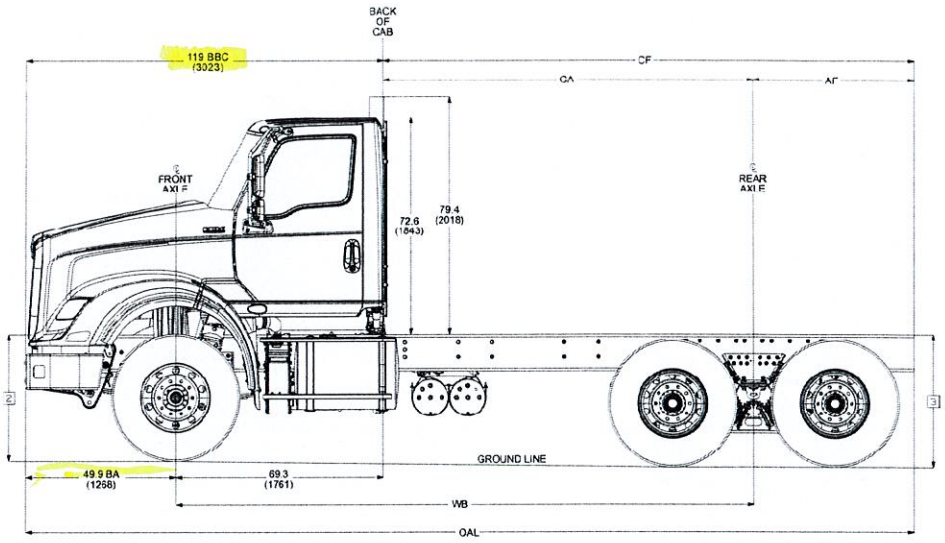
HX620 SBA 6x4

Rating		Standard (lbs.)	Maximum (lbs.)
GAW	front	13,200	22,800
	rear	40,000	70,000
GVW	total	53,200	92,800

NOTE: Model Code and Wheelbase Must Be Specified on Order.



HX620_front



HX620_day_cab_6x4_lsv

Wheelbase (in.)	Chassis Weight (lbs.) **			Dimensions (in.)				Turning Radius	
	Front	Rear	Total	CA	CF	AF	OAL	Curb Clearance	Wall Clearance
175.0	9,444	6,697	16,141	106.0	159.0	53.0	278.0	28 ft. 7 in.	30 ft. 1 in.

NOTE: Chart data based on vehicle with standard equipment. Artwork may show some optional equipment.

* Dimension data and optional add-on weight for this model is based on the 171.0" wheelbase unless otherwise noted.

** Weight includes standard chassis, standard tires, oil and water, but less fuel.

[2] Frame Height at centerline of front axle: unloaded – 40.40", loaded – 38.73"

[3] Frame Height at centerline of rear axle: unloaded – 42.75", loaded – 40.85"

17

F: Hood



A:

- Raised "crown" appearance
- Increased visibility

B

- 3 -piece design lends itself to easy repair when needed.
- Industry proven DCPD material.

16 – HX Extreme Duty Cab

F: Cab

A:

- Steel construction

B:

- Easier and lower cost to repair than aluminum
- Exceeds both SAE J2422 and European safety standards for roof crush test strength



19



16 – HX Windshield



F: Windshield

A:

- Curved windshield
- One piece design
- Bonded in design

B:

- Excellent visibility
- Eliminates blind spot and leak path found on 2 piece Freightliner
- Better sealing than roped in designs

Windshield

- 2,385 In² – 185 In² more than previous HX models
- 16VSL – Heated

20

CAB INTERIOR | cab size and dimensions | key numbers

IT'S UPTIME AT

CAB INTERIOR cab size and dimensions				
Series	**HX Series**	**HX Series 2021**	**Peterbilt 567**	**Kenworth T880**
Width				
A-pillar to A-pillar at Dash	68.5"	69.25"	66"	66.5"
A-pillar to A-pillar at Roof	67.5"	66"	66.75"	66.75"
B-pillar to B-pillar at Dash	66.75"	72"	70.5"	68.5"
B-pillar to B-pillar at Roof	67"	68.5"	70.5"	70.25"
Width at Shoulder Level	74.25"	78"	78.25"	78.5"
Width at Hip Level	68.25"	72.5"	70.75"	67.25"
Centerline of Seat to Door	15.5"	14"	15.5"	14.25"
Depth				
A-pillar to BOC at Dash	42.5"	44.5"	47"	47.25"
A-pillar to BOC at Roof	36.5"	36.5"	39"	40.5"
Fuel Pedal Center to Rear Wall	44"	46.75"	43.25"	43"
Height				
Floor to Roof at Seat Edge	56"	56.5"	58.5"	58.5"
Floor to Roof at Dash Edge	52.5"	52"	54.5"	54.5"
Floor to Roof at B-pillar	57"	56.75"	59.5"	60.5"
Total Volume (cu. ft.)*	88.32	94	98.16	99.2"

*Volume is calculated from the above as well as additional data not included in this table

Key Advantages — The HX Series 2021 cab is wider at the dash than the 567 and over three inches wider than the T880. It is also wider at the hips than the Peterbilt 567 and over five inches wider than the T880. Cab depth also shows the HX Series 2021 is more than three inches deeper from the fuel pedal to rear wall (the back of cab) than both the 567 and T880.

Orange text denotes the best dimension for the respective attribute.

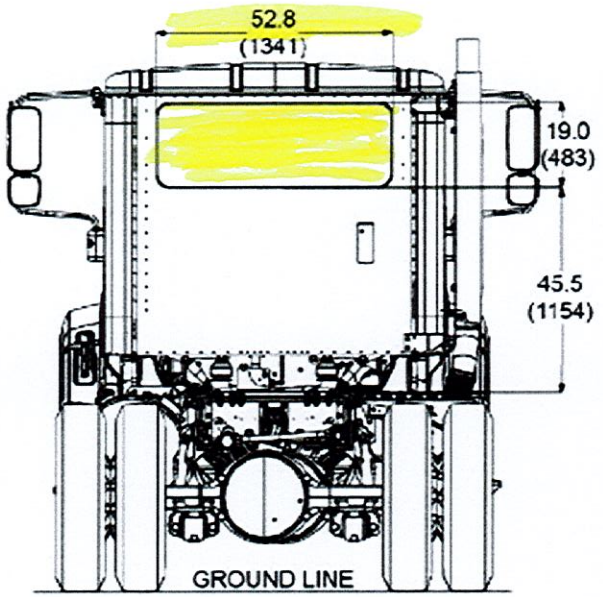
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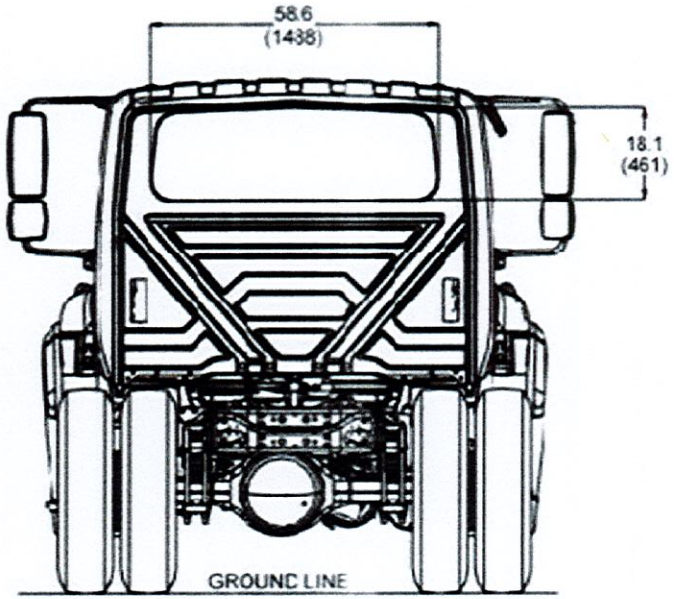
16 – HX Rear Window

IT'S UPTIME AT

HX = 648 sq in
HV = 800 sq in
6" wider and 23% larger overall



Current HX



2022 HX

22

Rear Window Glass

- 16XDD – Polycarbonate Shatter Resistant

AXLE CONFIGURATION

An axle configuration feature is required on all HX models.

Standard

01AND

AXLE CONFIGURATION {Navistar} 6x4

Optional

01ANF

AXLE CONFIGURATION {Navistar} 8x6 Tridem

FRAMES

FRAME RAILS

Crossmembers and components attached to the frame are bolted to the web of the frame rails to produce a clean, straight rail top with no bolt heads or rivets to interfere with equipment mounting.

Huck-Spin fasteners are used for chassis assembly in lieu of conventional threaded fasteners. Huck-Spin fasteners will meet the ultimate tensile strength values and clamp load levels achievable with our type-8 flange threaded fasteners. The Huck-Spin fasteners also have flanged faces.

The Huck-Spin fastener is directly tensioned, rather than indirectly, through application of torque. The direct tensioning of the Huck-Spin fastener results in more consistent tightness of joints due to more consistent clamp loads.

During installation, the Huck-Spin collars are swagged on to the pin grooves. This type of installation results in high resistance to collar rotation and vibrational loosening.

Type-8 flangehead threaded fasteners will be used interchangeably with Huck-Spin fasteners in service. Type-8 flange threaded fasteners will continue to be used for manufacturing assembly where it is not feasible to use Huck-Spin fasteners due to accessibility or other plant considerations.

Standard

01CGC

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 12.250" x 3.380" x 0.375" (304.8mm x 85.6mm x 9.5mm); 550.0" (13970mm) Maximum OAL

Optional

01CGD

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 12.50" x 3.750" x 0.500" (317.5mm x 95.25mm x 12.7mm); 480.8" (12212mm) Maximum OAL

01CAG

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.250" x 3.610" x 0.375" (260.4mm x 91.7mm x 9.5mm); 456.0" (11582mm) Maximum OAL

01CBU

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

FRAME RAILS WITH TAPERED REAR

Optional

01616

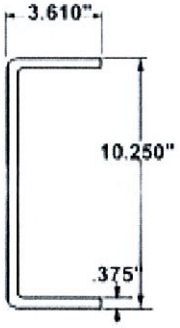
FRAME RAILS WITH TAPERED REAR



Tapered Rear Frame 01_0336

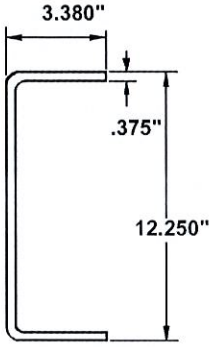
FRAME RAIL CROSS-SECTION SPECIFICATIONS

NOTE: Dark area represents frame reinforcement.



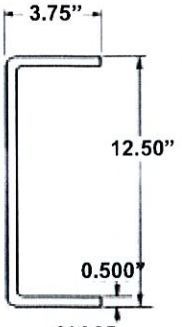
01CAG

01_0081



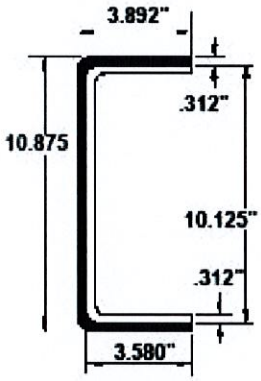
01CGC

01_0283



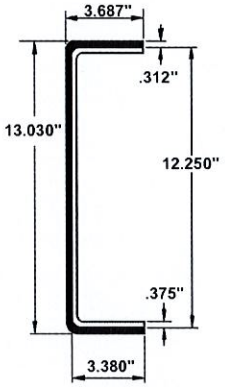
01CGD

01_0284



01CBU/01GBP

01_0338



01CGC/01GDS

01_0285

Side Rail Descriptions & *Reinforcement* Descriptions [2]								
Frame Key Code	Dimensions (Inches)			Weight Per Rail/Per Pair (Lbs.-In.)	Yield Strength Nominal (psi)	Material #	Section Modulus [1] (Inches^3)	Resisting Bending Moment (In.-Lbs.)
	Depth	Width	Thickness				Nominal	Design
Straight Channel Side Rail								
01CAG	10.250	3.610	0.375	1.71/3.42	120,000	C	17.03	2,037,600
01CGC	12.250	3.380	0.375	1.87/3.74	120,000	C	21.01	2,521,200
01CGD	12.500	3.750	0.500	2.58/5.16	120,000	C	29.47	3,536,400
Straight Channel Side Rail with Outer Full Channel Reinforcement								
01CBU *01GBP*	10.125 *10.813*	3.580 *3.893*	0.312 *0.312*	2.95/5.90	120,000 *120,000*	C *C*	29.84	3,580,800
01CGC *01GDS*	12.250 *13.030*	3.380 *3.687*	0.375 *0.312*	3.56/7.12	120,000 *120,000*	C *C*	40.45	4,854,000

NOTES:

C = Heat Treated Alloy Steel

[1] = Section Modulus: Nominal calculated using design dimensions – indicates the design load capacity of the frame.

[2] = Reinforcement dimensions and specifications are shown in italics.

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NORTH AMERICAN HEAVY-DUTY TRUCK COVERAGES.



Cummins Heavy-Duty Base Engine Warranty coverage for the X15 Efficiency Series, X15 Performance Series and ISX12/X12 is better and more comprehensive than ever.

From the block casting to the injectors, virtually everything is covered for two years/250,000 miles (402,336 km), whichever comes first. That includes the aftertreatment system.

Plus, we continue to offer a variety of comprehensive extended coverage plans on all Cummins Heavy-Duty engines, for added security. These protection plans provide financial peace of mind, insuring you against unforeseen expenses for years to come. And they can be included in the financing of your new truck for just dollars a day.

Cummins Extended Coverage plans are honored at all authorized Cummins service locations and backed by Cummins Care. No matter where your business takes you, you've always got a Cummins-authorized service facility nearby, with over 3,700 locations in North America. You can be assured that every contingency is covered.

X15, ISX12/X12 Base Warranty.

There's no greater assurance of quality. A product's warranty is ironclad proof that you can take to the bank, especially when it's a 2-year/250,000-mile (402,336 km) warranty on a Cummins Heavy-Duty X15 or ISX12/X12 engine. Virtually everything is included in this standard warranty with no deductible:

- 100 percent parts and labor on warrantable failures*
- Travel or towing when an engine is disabled by a warrantable failure
- Includes aftertreatment

*Warrantable failures are those due to defects in Cummins material or factory workmanship. Refer to legal bulletins for specific details.

X15 and ISX12/X12 Extended Coverage Plans.

PROTECTION PLAN 1

You can plan your maintenance and repair budgets with confidence when you've got extended coverage for your Heavy-Duty engines. Protection Plan 1 is our most comprehensive package, including the turbocharger, water pump, fuel injectors, air compressor and fuel pump for a variety of year and mileage options ranging from three to five years and 100,000 to 500,000 miles (160,934-804,672 km) for the X15 Performance Series and ISX12/X12, and from three to six years and 100,000 to 600,000 miles (160,934-965,606 km) for the X15 Efficiency Series. Mileage range may vary by engine and length of coverage. Contact your local distributor or dealer for duration details to choose the plan that best meets your equipment trade cycle and financial goals.

Items covered under Protection Plan 1 include:

- Internal components and major engine systems, including the turbocharger, water pump, fuel injectors*, flywheel, wiring harnesses, front gear housing and thermostat
- Registered parts and labor on covered failures
- Travel or towing when an engine is disabled by a warrantable failure is covered when you purchase Plan 1 coverage with the travel option

*Does not include hydrocarbon doser injector.

LIMITED WARRANTY FOR HX® MODELS

***Effective with vehicles built January 1, 2021 or later**

BASIC VEHICLE

Navistar, Inc., at its option, will repair or replace any part of this vehicle that proves defective in material or workmanship, in normal use and service, with new or ReNEWed® parts, based on the Component Coverages below. Exceptions are listed below:

BASIC VEHICLE COVERAGE (All coverage are whichever occurs first)	Months	Miles/Km (000)
Basic Vehicle Warranty (See exceptions listed below)	12	Unlimited
Towing (Vehicles with N13 engine failures only)	24	Unlimited
Towing (Vehicles with A26 engine failures only)	24	Unlimited
Towing (First 90 days see below) (Vehicle Down Situations Only)	3	Unlimited
Note: Items not listed in warranty exceptions follow base warranty.		
WARRANTY EXCEPTIONS		
CHASSIS COVERAGE	**Months**	**Miles/Km (000)**
Frame side rails	60	Unlimited
Aluminum Cab		
Cab/cowl structure	60	Unlimited
Cab/cowl perforation corrosion	60	Unlimited
Steel Cab		
Cab/cowl structure	120	Unlimited
Cab/cowl perforation corrosion	120	Unlimited
ENGINE COVERAGE	**Months**	**Miles/Km (000)**
International A26 Engine	24	Unlimited
International A26 Major Components	60	500/800
Major Components are cylinder block, main bearing bolts, cylinder head casting and capscrews, crankshaft, camshaft, cam follower, connecting rods/caps/bolts, intake manifold castings, and gear train gears.		
Rescue Application Only (Fire Truck, Ambulance, Emergency)		
International A26 Engine	60	100/160
DRIVETRAIN COVERAGE	**Months**	**Miles/Km (000)**
Rear Axle Weight Ratings Greater than 52,000 lb		
Front Axle Assembly	12	Unlimited
Rear Axle and Differential	12	Unlimited
Transmission	12	Unlimited
Rear Axle Weight Ratings of 52,000 lb and Less		
Front Axle Assembly	36	300/480
Rear Axle and Differential	36	300/480
Transmission	36	300/480
MISCELLANEOUS COVERAGE	**Months**	**Miles/Km (000)**
Brightwork, Chassis Paint and Corrosion (other than Cab)	6	Unlimited
Hood/Cab Paint	12	Unlimited

FIRST 90 DAYS FROM DELIVERY TO USER (DTU)
Correction of loose fasteners, squeaks, rattles and unusual noises. Towing (unless specific coverage is stated above). Adjustments and Maintenance (such as aim headlights, adjust brakes/clutch, adjust steering system, check and fill coolant levels).

Navistar Diesel Engine Coverage Includes:

Engine block, cylinder heads, internally lubricated components, fuel pump, high pressure pump, turbocharger, water pump, air compressor, injectors/nozzles; electronic engine modules, engine relays, engine sensors and regulators required for electronic engine operation, and certain aftertreatment components. Excluding: attaching accessories (e.g., fan clutch, alternator, starter, etc.), and externally mounted electrical and filtration systems.

WHAT IS NOT INCLUDED UNDER BASIC COVERAGE

Components/Items

- Components warranted by their respective manufacturers (such as non-International® brand engines, tires, Allison Transmissions, lubricants)
- Bodies, equipment, and accessories installed by other than authorized International® Truck employees at International® Truck manufacturing plants
- Front and rear axle alignment
- Front & Rear axle coverage excludes brakes, wheel ends, axle shafts, controls & attachments

Repairs & Maintenance

- Maintenance-related items/repairs, or those needed as a result of normal wear and tear, including tune-ups, brake/clutch linings, windshield wiper blades, tire balancing, lubrication, and other similar procedures/parts required to keep vehicle in good working condition
- Failures that are the result of poor fuel quality, water in fuel, rust, etc.
- Repairs needed as a result of vehicle misuse, negligent care, improper maintenance, improper operation, or the result of accident or collision
- Fade, runs, mismatch or damage to paint, trim items, upholstery, chrome, polished surfaces, etc., resulting from environmental causes such as improper polishes, cleaners or washing solutions, or chemical and industrial fallout
- Failure to observe published capacity or load specifications for engine, transmission, propeller shaft, axles (powertrain) and suspension

Other

- Vehicles sold and/or operated outside the United States and Canada
- Vehicles/components that have had unauthorized alterations or modifications
- Vehicles on which the odometer reading has been altered
- Loss of time or use of the vehicle, loss of profits, inconvenience, or other consequential or incidental damages or expenses
- Replacement of defective parts with parts other than those provided by Navistar, Inc

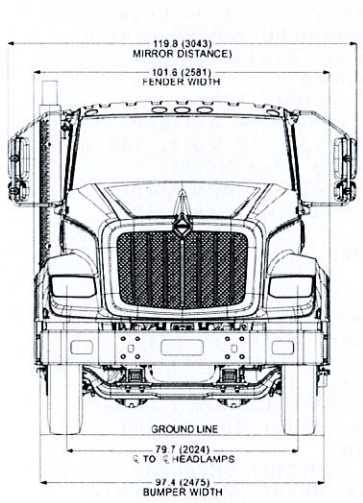
STANDARD CHASSIS SPECIFICATIONS

STANDARD CHASSIS SPECIFICATIONS

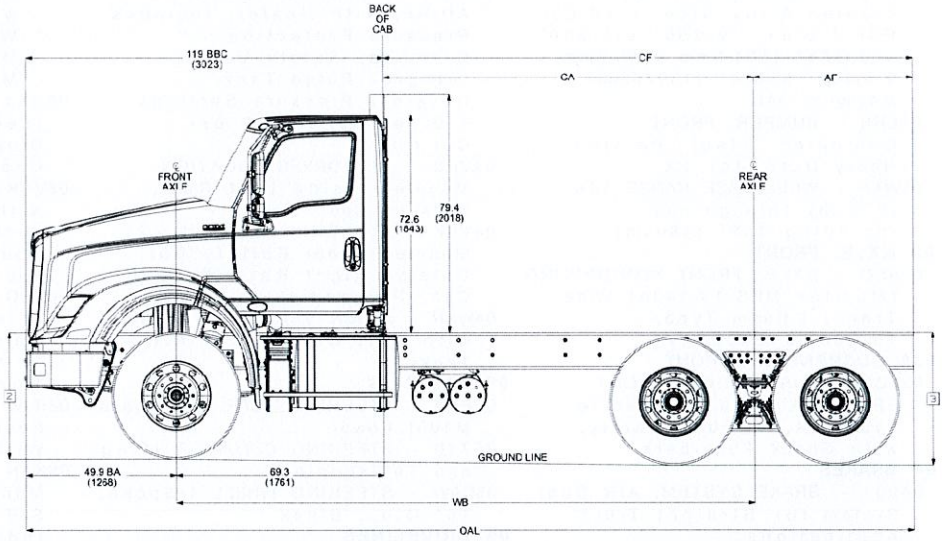
HX620 SBA 6x4

Rating		Standard (lbs.)	Maximum (lbs.)
GAW	front	13,200	22,800
	rear	40,000	70,000
GVW	total	53,200	92,800

NOTE: Model Code and Wheelbase Must Be Specified on Order.



HX620_front



HX620_day_cab_6x4_lsv

Wheelbase (in.)	Chassis Weight (lbs.) **			Dimensions (in.)				Turning Radius	
	Front	Rear	Total	CA	CF	AF	OAL	Curb Clearance	Wall Clearance
175.0	9,444	6,697	16,141	106.0	159.0	53.0	278.0	28 ft. 7 in.	30 ft. 1 in.

NOTE: Chart data based on vehicle with standard equipment. Artwork may show some optional equipment.

* Dimension data and optional add-on weight for this model is based on the 171.0" wheelbase unless otherwise noted.

** Weight includes standard chassis, standard tires, oil and water, but less fuel.

[2] Frame Height at centerline of front axle: unloaded – 40.40", loaded – 38.73"

[3] Frame Height at centerline of rear axle: unloaded – 42.75", loaded – 40.85"

HX620 SBA

STANDARD EQUIPMENT

MODEL CODE: HX62000

01 FRAMES
- 01AND - AXLE CONFIGURATION {Navistar} 6x4
  NOTE: Pricing may change if axle configuration is changed.
  - For U.S. Only
- 01CGC - FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 12.250" x 3.380" x 0.375" (304.8mm x 85.6mm x 9.5mm); 550.0" (13970mm) Maximum OAL
- 01LRB - BUMPER, FRONT Contoured, Steel, Painted, Heavy Duty, for HX
- 01WXK - WHEELBASE RANGE 148" (375cm) Through and Including 189" (480cm)

02 AXLE, FRONT
- 02ASG - AXLE, FRONT NON-DRIVING {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

03A SUSPENSION, FRONT
- 03ACH - SUSPENSION, FRONT, SPRING Multileaf, Shackle Type, 14,000-lb Capacity, with Shock Absorbers

04 BRAKES
- 04091 - BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
  - * BRAKE LINES Color and Size Coded Nylon
  - * PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel
  - * PARKING BRAKE VALVE For Truck
  - * QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4
  - * SPRING BRAKE MODULATOR VALVE {Bendix} SR-7 with relay valve for 6x4/8x6
- 04AZJ - AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System, with Automatic Traction Control
- 04XCJ - BRAKES, FRONT {Bendix Spicer ADB22X} Air Disc Type, Extended Service, Size 22.5", 23,000-lb Capacity
- 04XDW - BRAKE CHAMBERS, FRONT AXLE 18 Sqln, for Air Disc Brakes
- 04XCK - BRAKES, REAR {Bendix Spicer ADB22X} Air Disc Type, Extended Service, Size 22.5", 26,000-lb Capacity per Axle

04 BRAKES (CONT.)
- 04XEA - BRAKE CHAMBERS, REAR AXLE 18/24 Sqln Spring Brake, Double Diaphragm, for Air Disc Brakes
- 04SPM - AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM
- 04EDM - AIR DRYER {Bendix AD-HF} with Heater, Includes Pressure Protection Circuits, Safety Valve, Integral Purge Tank, Governor Pressure Settings 110 psi Cut-In/130 psi Cut-Out
- 04VKC - AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab
- 04VKK - AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Right Rail, Back of Cab, Perpendicular to Rail
- 04WXR - DRAIN VALVE (2) {Berg} with Pull Chains, for Air Tanks

05 STEERING
- 05PSA - STEERING GEAR {Sheppard M100} Power
- 05710 - STEERING COLUMN Tilting and Telescoping
- 05CAW - STEERING WHEEL 4-Spoke; 18" Dia., Black

06 DRIVELINES
- * END YOKES Half-Round, Easy Service (All)
- 06DHB - DRIVELINE SYSTEM {Dana Spicer} 1810HD Main Driveline with 1710 Interaxle Shaft, for 6x4

07 EXHAUST SYSTEM
- 07BLY - EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Cab Mounted Right Side
- 07SDK - ENGINE COMPRESSION BRAKE by Jacobs; for N13/A26 Engines, with Selector Switch and On/Off Switch
- 07WDM - EXHAUST HEIGHT 10'
- 07WDT - TAIL PIPE (1) Straight Type

08 ELECTRICAL
- 08000 - ELECTRICAL SYSTEM 12-Volt, Standard Equipment
  - * HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel
  - * HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
  - * PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
  - * STARTER SWITCH Electric, Key Operated

08 ELECTRICAL (CONT.)
  - * STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector
  - * WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
  - * WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
- 08GXJ - ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount
- 08VUK - BATTERY BOX Aluminum, with Plastic Cover, 18" Wide, 2-4 Battery Capacity, Mounted Right Side Back of Cab
- 08MSG - BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud
- 08RJW - CB RADIO Omit Power Feeds, Power Source and Wiring
- 08XAH - CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
- 08WXB - HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position
- 08XNY - HEADLIGHTS Halogen
  NOTE: STANDARD IN USA
- 08653 - HORN, AIR Single, Located Under Cab
- 08VAY - HORN, ELECTRIC Disc Style
- 08RMX - RADIO Omit, Includes Wiring and Antenna
- 08RMV - SPEAKERS (2) 6.5" Dual Cone Mounted in Doors
- 08WXG - STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start
- 08WEZ - TURN SIGNAL SWITCH Self-Canceling

09 FRONT END
- 09ASE - FRONT END Tilting, Composite
- 09HCL - GRILLE Black Vertical Accent Bars, with Black Mesh
- 09AAB - LOGOS EXTERIOR Model Badges
- 09AAE - LOGOS EXTERIOR, ENGINE Badges

10 PAINT & MISCELLANEOUS
- 10060 - PAINT SCHEMATIC, PT-1 Single Color, Design 100

HX620 SBA

STANDARD EQUIPMENT

MODEL CODE: HX62000

01 FRAMES
- 01AND - AXLE CONFIGURATION {Navistar} 6x4
  NOTE: Pricing may change if axle configuration is changed.
  - For U.S. Only
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- 04XCJ - BRAKES, FRONT {Bendix Spicer ADB22X} Air Disc Type, Extended Service, Size 22.5", 23,000-lb Capacity
- 04XDW - BRAKE CHAMBERS, FRONT AXLE 18 Sqln, for Air Disc Brakes
- 04XCK - BRAKES, REAR {Bendix Spicer ADB22X} Air Disc Type, Extended Service, Size 22.5", 26,000-lb Capacity per Axle

04 BRAKES (CONT.)
- 04XEA - BRAKE CHAMBERS, REAR AXLE 18/24 Sqln Spring Brake, Double Diaphragm, for Air Disc Brakes
- 04SPM - AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM
- 04EDM - AIR DRYER {Bendix AD-HF} with Heater, Includes Pressure Protection Circuits, Safety Valve, Integral Purge Tank, Governor Pressure Settings 110 psi Cut-In/130 psi Cut-Out
- 04VKC - AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab
- 04VKK - AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Right Rail, Back of Cab, Perpendicular to Rail
- 04WXR - DRAIN VALVE (2) {Berg} with Pull Chains, for Air Tanks

05 STEERING
- 05PSA - STEERING GEAR {Sheppard M100} Power
- 05710 - STEERING COLUMN Tilting and Telescoping
- 05CAW - STEERING WHEEL 4-Spoke; 18" Dia., Black

06 DRIVELINES
- * END YOKES Half-Round, Easy Service (All)
- 06DHB - DRIVELINE SYSTEM {Dana Spicer} 1810HD Main Driveline with 1710 Interaxle Shaft, for 6x4

07 EXHAUST SYSTEM
- 07BLY - EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Cab Mounted Right Side
- 07SDK - ENGINE COMPRESSION BRAKE by Jacobs; for N13/A26 Engines, with Selector Switch and On/Off Switch
- 07WDM - EXHAUST HEIGHT 10'
- 07WDT - TAIL PIPE (1) Straight Type

08 ELECTRICAL
- 08000 - ELECTRICAL SYSTEM 12-Volt, Standard Equipment
  - * HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel
  - * HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
  - * PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
  - * STARTER SWITCH Electric, Key Operated

08 ELECTRICAL (CONT.)
  - * STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector
  - * WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
  - * WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
- 08GXJ - ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount
- 08VUK - BATTERY BOX Aluminum, with Plastic Cover, 18" Wide, 2-4 Battery Capacity, Mounted Right Side Back of Cab
- 08MSG - BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud
- 08RJW - CB RADIO Omit Power Feeds, Power Source and Wiring
- 08XAH - CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
- 08WXB - HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position
- 08XNY - HEADLIGHTS Halogen
  NOTE: STANDARD IN USA
- 08653 - HORN, AIR Single, Located Under Cab
- 08VAY - HORN, ELECTRIC Disc Style
- 08RMX - RADIO Omit, Includes Wiring and Antenna
- 08RMV - SPEAKERS (2) 6.5" Dual Cone Mounted in Doors
- 08WXG - STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start
- 08WEZ - TURN SIGNAL SWITCH Self-Canceling

09 FRONT END
- 09ASE - FRONT END Tilting, Composite
- 09HCL - GRILLE Black Vertical Accent Bars, with Black Mesh
- 09AAB - LOGOS EXTERIOR Model Badges
- 09AAE - LOGOS EXTERIOR, ENGINE Badges

10 PAINT & MISCELLANEOUS
- 10060 - PAINT SCHEMATIC, PT-1 Single Color, Design 100

HX620 SBA

STANDARD EQUIPMENT

MODEL CODE: HX62000

10 PAINT & MISCELLANEOUS (CONT.)
- 10761 - PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

11 CLUTCH
- 11MGP - CLUTCH {Eaton Fuller ECA 1850} Self-Adjusting, 15.5" Dia Two-Plate, Cast Angle Spring, Ceramic, 7-Spring Damper with Pre-Damper, 2"-10 Tooth Spline, 1850 lb-ft Torque Capacity

12 ENGINE
- 12BET - ENGINE, DIESEL {International A26} EPA 2021, 370HP @ 1700 RPM, 1350 lb-ft Torque @ 900 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)
- 12XBC - RADIATOR Aluminum, Welded, Down Flow, Front to Back System, 1325 SqIn, with 806 SqIn Charge Air Cooler
  - * RADIATOR HOSES Premium, Rubber
- 12THT - FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed
  - * FAN Nylon
- 12VCA - AIR CLEANER Single Element, with Integral Pre-Cleaner, Engine Mounted
- 12703 - ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
- 12WTA - FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted
- 12WCX - HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type
- 12WYZ - RADIATOR DRAIN & FILL FITTING SPECIAL; To Vacuum Out or Fill the Cooling System from the Bottom of Radiator, for Use with Quick-Connect Radiator Drain Tool or Shop Coolant Evacuation-Fill System

13 TRANSMISSION
- 13GWZ - TRANSMISSION, MANUAL {Eaton Fuller UltraShift+ FO-16E313A-MHP} 13-Speed Fully Automated Manual, Aluminum Clutch Housing, Overdrive, Electronic Shift Controls and Clutch Actuation, Air Range Shift, Internal Lube Oil Pump, Hill Start Aid

14A AXLE, REAR
- 14GVU - AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR-P} Single Reduction, 40,000-lb Capacity, with Lube Oil Pump, .433"(11mm) Wall Housing Thickness, R Wheel Ends
  - * RATIO: 2.64, 3.08, 3.25, 3.36, 3.42, 3.55, 3.70, 3.90, 4.11, 4.33, 4.63, 4.88, 5.29, 5.86, 6.14, 6.43, 6.83 OR 7.17

14B SUSPENSION, REAR
- 14UMV - SUSPENSION, REAR, TANDEM {Hendrickson HMX EX 400} Walking Beam, 40,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with Transverse Torque Rods, Rubber End Bushings

15 FUEL TANKS
- 15SSN - FUEL TANK Non-Polished Aluminum, 24" Dia, 60 US Gal (227L), Mounted Left Side, Under Cab
- 15WDR - DEF TANK 10.6 US Gal (40L) Capacity, Frame Mounted Outside Left Rail, Under Cab
- 15LKU - FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor

16 CAB
- 16030 - CAB Conventional, Day Cab
  - * CAB REAR SUSPENSION Air
  - * CLEARANCE/MARKER LIGHTS (5) LED Roof Mounted
  - * COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window
  - * CONSOLE, CENTER Includes Two Cup Holders and One Additional Storage Area
  - * CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger
  - * COURTESY LIGHT (2) Driver and Passenger Door Mounted
  - * DOME LIGHT, CAB Rectangular, Door and Instrument Panel Mounted Switch Activated, Timed Theater Dimming, Center Mounted, Integral to Console
  - * FLOOR COVERING Rubber, Black
  - * GLASS, ALL WINDOWS Tinted
  - * GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side

16 CAB (CONT.)
  - * GRAB HANDLE, CAB INTERIOR (4) "B" Pillar and Door Mounted, Two Each Side
  - * READING LIGHT, CAB Located in Overhead Console
  - * STORAGE POCKET, DOOR (2) Full Length, Driver and Passenger Door
- 16XTM - ACCESS, CAB Aluminum, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab or Sleeper Cab
- 16BAM - AIR CONDITIONER with Integral Heater and Defroster
  - * HOSE CLAMPS, HEATER HOSE {Mubea} Constant Tension Clamps
- 16VLW - CAB INTERIOR TRIM Diamond, for HX Day Cab
  - * DOOR TRIM, INTERIOR Bright Handle
  - * INSTRUMENT PANEL TRIM Black, Black Gauges with Black Bezels
  - * SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap
- 16GEG - GAUGE CLUSTER Premium Level; English with English Electronic Speedometer
  - * GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/Refill for Fuel/DEF, DPF Level
  - * GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure
  - * WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure (Primary and Secondary)
- 16XJP - INSTRUMENT PANEL Wing Panel
- 16HKT - IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
- 16SNL - MIRRORS (2) C-Loop, Black Heads and Arms, 7.5" x 14" Flat Glass, Includes 7.5" x 7" Convex Mirrors, for 102" Load Width

STANDARD EQUIPMENT

MODEL CODE: HX62000

16 CAB (CONT.)

NOTE: Mirror Dimensions are Rounded to the Nearest 0.5"

16XRX - MODESTY PANEL Painted

16LWK - SEAT, DRIVER {ISRI} Series 300, Air Suspension, High Back, Vinyl, Single Chamber Lumbar, Inboard Armrest, Suspension Cover, Fore/Aft Isolator, Cushion Extension, Seat Tilt

16400 - SEAT, PASSENGER Omit Item

16WJU - WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature

27/28 WHEELS & TIRES

27DUW - WHEELS, FRONT {Accuride 51408} DISC; 22.5x8.25 Rims, Powder Coat Steel, 2-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

28DUW - WHEELS, REAR {Accuride 51408} DUAL DISC; 22.5x8.25 Rims, Powder Coat Steel, 2-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

737213 5415 (02) 11R22.5 14-PR LR-G SINGLE FRONT RADIAL TIRES {Continental Tire HSR2}

737213 5415 (08) 11R22.5 14-PR LR-G DUAL REAR RADIAL TIRES {Continental Tire HSR2}

40 WARRANTY

40132 - WARRANTY Standard for HX520, HX620, Effective with Vehicles Built January 1, 2021 or Later, CTS-2015B

Company ID Number: 407682

THE E-VERIFY PROGRAM FOR EMPLOYMENT VERIFICATION MEMORANDUM OF UNDERSTANDING

ARTICLE I

PURPOSE AND AUTHORITY

This Memorandum of Understanding (MOU) sets forth the points of agreement between the Department of Homeland Security (DHS) and **Southland International Trucks, Inc.** (Employer) regarding the Employer's participation in the Employment Eligibility Verification Program (E-Verify). This MOU explains certain features of the E-Verify program and enumerates specific responsibilities of DHS, the Social Security Administration (SSA), and the Employer. E-Verify is a program that electronically confirms an employee's eligibility to work in the United States after completion of the Employment Eligibility Verification Form (Form I-9). For covered government contractors, E-Verify is used to verify the employment eligibility of all newly hired employees and all existing employees assigned to Federal contracts or to verify the entire workforce if the contractor so chooses.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). Authority for use of the E-Verify program by Federal contractors and subcontractors covered by the terms of Subpart 22.18, "Employment Eligibility Verification", of the Federal Acquisition Regulation (FAR) (hereinafter referred to in this MOU as a "Federal contractor with the FAR E-Verify clause") to verify the employment eligibility of certain employees working on Federal contracts is also found in Subpart 22.18 and in Executive Order 12989, as amended.

ARTICLE II

FUNCTIONS TO BE PERFORMED

A. RESPONSIBILITIES OF SSA

1. SSA agrees to provide the Employer with available information that allows the Employer to confirm the accuracy of Social Security Numbers provided by all employees verified under this MOU and the employment authorization of U.S. citizens.

2. SSA agrees to provide to the Employer appropriate assistance with operational problems that may arise during the Employer's participation in the E-Verify program. SSA agrees to provide the Employer with names, titles, addresses, and telephone numbers of SSA representatives to be contacted during the E-Verify process.

3. SSA agrees to safeguard the information provided by the Employer through the E-Verify program procedures, and to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security Numbers and for evaluation of the E-Verify program or such other persons or entities who may be authorized by SSA as governed

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by the Privacy Act (5 U.S.C. § 552a), the Social Security Act (42 U.S.C. 1306(a)), and SSA regulations (20 CFR Part 401).

4. SSA agrees to provide a means of automated verification that is designed (in conjunction with DHS's automated system if necessary) to provide confirmation or tentative nonconfirmation of U.S. citizens' employment eligibility within 3 Federal Government work days of the initial inquiry.

5. SSA agrees to provide a means of secondary verification (including updating SSA records as may be necessary) for employees who contest SSA tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of U.S. citizens' employment eligibility and accuracy of SSA records for both citizens and non-citizens within 10 Federal Government work days of the date of referral to SSA, unless SSA determines that more than 10 days may be necessary. In such cases, SSA will provide additional verification instructions.

B. RESPONSIBILITIES OF DHS

1. After SSA verifies the accuracy of SSA records for employees through E-Verify, DHS agrees to provide the Employer access to selected data from DHS's database to enable the Employer to conduct, to the extent authorized by this MOU:

- Automated verification checks on employees by electronic means, and
- Photo verification checks (when available) on employees.

2. DHS agrees to provide to the Employer appropriate assistance with operational problems that may arise during the Employer's participation in the E-Verify program. DHS agrees to provide the Employer names, titles, addresses, and telephone numbers of DHS representatives to be contacted during the E-Verify process.

3. DHS agrees to make available to the Employer at the E-Verify Web site and on the E-Verify Web browser, instructional materials on E-Verify policies, procedures and requirements for both SSA and DHS, including restrictions on the use of E-Verify. DHS agrees to provide training materials on E-Verify.

4. DHS agrees to provide to the Employer a notice, which indicates the Employer's participation in the E-Verify program. DHS also agrees to provide to the Employer anti-discrimination notices issued by the Office of Special Counsel for Immigration-Related Unfair Employment Practices (OSC), Civil Rights Division, U.S. Department of Justice.

5. DHS agrees to issue the Employer a user identification number and password that permits the Employer to verify information provided by employees with DHS's database.

6. DHS agrees to safeguard the information provided to DHS by the Employer, and to limit access to such information to individuals responsible for the verification of employees' employment eligibility and for evaluation of the E-Verify program, or to such other persons or entities as may be authorized by applicable law. Information will be used only to verify the accuracy of Social Security Numbers and employment eligibility, to enforce the Immigration and

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Nationality Act (INA) and Federal criminal laws, and to administer Federal contracting requirements.

7. DHS agrees to provide a means of automated verification that is designed (in conjunction with SSA verification procedures) to provide confirmation or tentative nonconfirmation of employees' employment eligibility within 3 Federal Government work days of the initial inquiry.

8. DHS agrees to provide a means of secondary verification (including updating DHS records as may be necessary) for employees who contest DHS tentative nonconfirmations and photo non-match tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of the employees' employment eligibility within 10 Federal Government work days of the date of referral to DHS, unless DHS determines that more than 10 days may be necessary. In such cases, DHS will provide additional verification instructions.

C. RESPONSIBILITIES OF THE EMPLOYER

1. The Employer agrees to display the notices supplied by DHS in a prominent place that is clearly visible to prospective employees and all employees who are to be verified through the system.

2. The Employer agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the Employer representatives to be contacted regarding E-Verify.

3. The Employer agrees to become familiar with and comply with the most recent version of the E-Verify User Manual.

4. The Employer agrees that any Employer Representative who will perform employment verification queries will complete the E-Verify Tutorial before that individual initiates any queries.

A. The Employer agrees that all Employer representatives will take the refresher tutorials initiated by the E-Verify program as a condition of continued use of E-Verify.

B. Failure to complete a refresher tutorial will prevent the Employer from continued use of the program.

5. The Employer agrees to comply with current Form I-9 procedures, with two exceptions:

• If an employee presents a "List B" identity document, the Employer agrees to only accept "List B" documents that contain a photo. (List B documents identified in 8 C.F.R. § 274a.2(b)(1)(B)) can be presented during the Form I-9 process to establish identity.) If an employee objects to the photo requirement for religious reasons, the Employer should contact E-Verify at 888-464-4218.

• If an employee presents a DHS Form I-551 (Permanent Resident Card) or Form I-766 (Employment Authorization Document) to complete the Form I-9, the Employer agrees to make a photocopy of the document and to retain the photocopy with the employee's Form I-9. The photocopy must be of sufficient quality to allow for verification of the photo

and written information. The employer will use the photocopy to verify the photo and to assist DHS with its review of photo non-matches that are contested by employees. Note that employees retain the right to present any List A, or List B and List C, documentation to complete the Form I-9. DHS may in the future designate other documents that activate the photo screening tool.

6. The Employer understands that participation in E-Verify does not exempt the Employer from the responsibility to complete, retain, and make available for inspection Forms I-9 that relate to its employees, or from other requirements of applicable regulations or laws, including the obligation to comply with the antidiscrimination requirements of section 274B of the INA with respect to Form I-9 procedures, except for the following modified requirements applicable by reason of the Employer's participation in E-Verify: (1) identity documents must have photos, as described in paragraph 5 above; (2) a rebuttable presumption is established that the Employer has not violated section 274A(a)(1)(A) of the Immigration and Nationality Act (INA) with respect to the hiring of any individual if it obtains confirmation of the identity and employment eligibility of the individual in good faith compliance with the terms and conditions of E-Verify; (3) the Employer must notify DHS if it continues to employ any employee after receiving a final nonconfirmation, and is subject to a civil money penalty between $550 and $1,100 for each failure to notify DHS of continued employment following a final nonconfirmation; (4) the Employer is subject to a rebuttable presumption that it has knowingly employed an unauthorized alien in violation of section 274A(a)(1)(A) if the Employer continues to employ an employee after receiving a final nonconfirmation; and (5) no person or entity participating in E-Verify is civilly or criminally liable under any law for any action taken in good faith based on information provided through the confirmation system. DHS reserves the right to conduct Form I-9 and E-Verify system compliance inspections during the course of E-Verify, as well as to conduct any other enforcement activity authorized by law.

7. The Employer agrees to initiate E-Verify verification procedures for new employees within 3 Employer business days after each employee has been hired (but after the Form I-9 has been completed), and to complete as many (but only as many) steps of the E-Verify process as are necessary according to the E-Verify User Manual, or in the case of Federal contractors with the FAR E-Verify clause, the E-Verify User Manual for Federal Contractors. The Employer is prohibited from initiating verification procedures before the employee has been hired and the Form I-9 completed. If the automated system to be queried is temporarily unavailable, the 3-day time period is extended until it is again operational in order to accommodate the Employer's attempting, in good faith, to make inquiries during the period of unavailability. Employers may initiate verification by notating the Form I-9 in circumstances where the employee has applied for a Social Security Number (SSN) from the SSA and is waiting to receive the SSN, provided that the Employer performs an E-Verify employment verification query using the employee's SSN as soon as the SSN becomes available.

8. The Employer agrees not to use E-Verify procedures for pre-employment screening of job applicants, in support of any unlawful employment practice, or for any other use not authorized by this MOU. Employers must use E-Verify for all new employees, unless an Employer is a Federal contractor that qualifies for the exceptions described in Article II.D.1.c. Except as provided in Article II.D, the Employer will not verify selectively and will not verify employees hired before the effective date of this MOU. The Employer understands that if the Employer

uses the E-Verify system for any purpose other than as authorized by this MOU, the Employer may be subject to appropriate legal action and termination of its access to SSA and DHS information pursuant to this MOU.

9. The Employer agrees to follow appropriate procedures (see Article III. below) regarding tentative nonconfirmations, including notifying employees in private of the finding and providing them written notice of the findings, providing written referral instructions to employees, allowing employees to contest the finding, and not taking adverse action against employees if they choose to contest the finding. Further, when employees contest a tentative nonconfirmation based upon a photo non-match, the Employer is required to take affirmative steps (see Article III.B. below) to contact DHS with information necessary to resolve the challenge.

10. The Employer agrees not to take any adverse action against an employee based upon the employee's perceived employment eligibility status while SSA or DHS is processing the verification request unless the Employer obtains knowledge (as defined in 8 C.F.R. § 274a.1(l)) that the employee is not work authorized. The Employer understands that an initial inability of the SSA or DHS automated verification system to verify work authorization, a tentative nonconfirmation, a case in continuance (indicating the need for additional time for the government to resolve a case), or the finding of a photo non-match, does not establish, and should not be interpreted as evidence, that the employee is not work authorized. In any of the cases listed above, the employee must be provided a full and fair opportunity to contest the finding, and if he or she does so, the employee may not be terminated or suffer any adverse employment consequences based upon the employee's perceived employment eligibility status (including denying, reducing, or extending work hours, delaying or preventing training, requiring an employee to work in poorer conditions, refusing to assign the employee to a Federal contract or other assignment, or otherwise subjecting an employee to any assumption that he or she is unauthorized to work) until and unless secondary verification by SSA or DHS has been completed and a final nonconfirmation has been issued. If the employee does not choose to contest a tentative nonconfirmation or a photo non-match or if a secondary verification is completed and a final nonconfirmation is issued, then the Employer can find the employee is not work authorized and terminate the employee's employment. Employers or employees with questions about a final nonconfirmation may call E-Verify at 1-888-464-4218 or OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

11. The Employer agrees to comply with Title VII of the Civil Rights Act of 1964 and section 274B of the INA, as applicable, by not discriminating unlawfully against any individual in hiring, firing, or recruitment or referral practices because of his or her national origin or, in the case of a protected individual as defined in section 274B(a)(3) of the INA, because of his or her citizenship status. The Employer understands that such illegal practices can include selective verification or use of E-Verify except as provided in part D below, or discharging or refusing to hire employees because they appear or sound "foreign" or have received tentative nonconfirmations. The Employer further understands that any violation of the unfair immigration-related employment practices provisions in section 274B of the INA could subject the Employer to civil penalties, back pay awards, and other sanctions, and violations of Title VII could subject the Employer to back pay awards, compensatory and punitive damages. Violations of either section 274B of the INA or Title VII may also lead to the termination of its participation in E-

Verify. If the Employer has any questions relating to the anti-discrimination provision, it should contact OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

12. The Employer agrees to record the case verification number on the employee's Form I-9 or to print the screen containing the case verification number and attach it to the employee's Form I-9.

13. The Employer agrees that it will use the information it receives from SSA or DHS pursuant to E-Verify and this MOU only to confirm the employment eligibility of employees as authorized by this MOU. The Employer agrees that it will safeguard this information, and means of access to it (such as PINS and passwords) to ensure that it is not used for any other purpose and as necessary to protect its confidentiality, including ensuring that it is not disseminated to any person other than employees of the Employer who are authorized to perform the Employer's responsibilities under this MOU, except for such dissemination as may be authorized in advance by SSA or DHS for legitimate purposes.

14. The Employer acknowledges that the information which it receives from SSA is governed by the Privacy Act (5 U.S.C. § 552a(i)(1) and (3)) and the Social Security Act (42 U.S.C. 1306(a)), and that any person who obtains this information under false pretenses or uses it for any purpose other than as provided for in this MOU may be subject to criminal penalties.

15. The Employer agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, including by permitting DHS and SSA, upon reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the Employer's use of E-Verify, and to respond in a timely and accurate manner to DHS requests for information relating to their participation in E-Verify.

D. RESPONSIBILITIES OF FEDERAL CONTRACTORS WITH THE FAR E-VERIFY CLAUSE

1. The Employer understands that if it is a subject to the employment verification terms in Subpart 22.18 of the FAR, it must verify the employment eligibility of any existing employee assigned to the contract and all new hires, as discussed in the Supplemental Guide for Federal Contractors. Once an employee has been verified through E-Verify by the Employer, the Employer may not reverify the employee through E-Verify.

a. Federal contractors with the FAR E-Verify clause agree to become familiar with and comply with the most recent versions of the E-Verify User Manual for Federal Contractors and the E-Verify Supplemental Guide for Federal Contractors.

b. Federal contractors with the FAR E-Verify clause agree to complete a tutorial for Federal contractors with the FAR E-Verify clause.

c. Federal contractors with the FAR E-Verify clause not enrolled at the time of contract award: An Employer that is not enrolled in E-Verify at the time of a contract award must enroll as a Federal contractor with the FAR E-Verify clause in E-Verify within 30 calendar days of contract award and, within 90 days of enrollment, begin to use E-Verify to initiate verification of employment eligibility of new hires of the Employer who are working in the United States,

whether or not assigned to the contract. Once the Employer begins verifying new hires, such verification of new hires must be initiated within 3 business days after the date of hire. Once enrolled in E-Verify as a Federal contractor with the FAR E-Verify clause, the Employer must initiate verification of employees assigned to the contract within 90 calendar days from the time of enrollment in the system and after the date and selecting which employees will be verified in E-Verify or within 30 days of an employee's assignment to the contract, whichever date is later.

d. Employers that are already enrolled in E-Verify at the time of a contract award but are not enrolled in the system as a Federal contractor with the FAR E-Verify clause: Employers enrolled in E-Verify for 90 days or more at the time of a contract award must use E-Verify to initiate verification of employment eligibility for new hires of the Employer who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire. Employers enrolled in E-Verify as other than a Federal contractor with the FAR E-Verify clause, must update E-Verify to indicate that they are a Federal contractor with the FAR E-Verify clause within 30 days after assignment to the contract. If the Employer is enrolled in E-Verify for 90 calendar days or less at the time of contract award, the Employer must, within 90 days of enrollment, begin to use E-Verify to initiate verification of new hires of the contractor who are working in the United States, whether or not assigned to the contract. Such verification of new hires must be initiated within 3 business days after the date of hire. An Employer enrolled as a Federal contractor with the FAR E-Verify clause in E-Verify must initiate verification of each employee assigned to the contract within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever is later.

e. Institutions of higher education, State, local and tribal governments and sureties: Federal contractors with the FAR E-Verify clause that are institutions of higher education (as defined at 20 U.S.C. 1001(a)), State or local governments, governments of Federally recognized Indian tribes, or sureties performing under a takeover agreement entered into with a Federal agency pursuant to a performance bond may choose to only verify new and existing employees assigned to the Federal contract. Such Federal contractors with the FAR E-Verify clause may, however, elect to verify all new hires, and/or all existing employees hired after November 6, 1986. The provisions of Article II.D, paragraphs 1.a and 1.b of this MOU providing timeframes for initiating employment verification of employees assigned to a contract apply to such institutions of higher education, State, local and tribal governments, and sureties.

f. Verification of all employees: Upon enrollment, Employers who are Federal contractors with the FAR E-Verify clause may elect to verify employment eligibility of all existing employees working in the United States who were hired after November 6, 1986, instead of verifying only new employees and those existing employees assigned to a covered Federal contract. After enrollment, Employers must elect to do so only in the manner designated by DHS and initiate E-Verify verification of all existing employees within 180 days after the election.

g. Form I-9 procedures for existing employees of Federal contractors with the FAR E-Verify clause: Federal contractors with the FAR E-Verify clause may choose to complete new Forms I-9 for all existing employees other than those that are completely exempt from this process. Federal contractors with the FAR E-Verify clause may also update previously completed Forms I-9 to initiate E-Verify verification of existing employees who are not completely exempt as long as that Form I-9 is complete (including the SSN), complies with

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Article II.C.5, the employee's work authorization has not expired, and the Employer has reviewed the information reflected in the Form I-9 either in person or in communications with the employee to ensure that the employee's stated basis in section 1 of the Form I-9 for work authorization has not changed (including, but not limited to, a lawful permanent resident alien having become a naturalized U.S. citizen). If the Employer is unable to determine that the Form I-9 complies with Article II.C.5, if the employee's basis for work authorization as attested in section 1 has expired or changed, or if the Form I-9 contains no SSN or is otherwise incomplete, the Employer shall complete a new I-9 consistent with Article II.C.5, or update the previous I-9 to provide the necessary information. If section 1 of the Form I-9 is otherwise valid and up-to-date and the form otherwise complies with Article II.C.5, but reflects documentation (such as a U.S. passport or Form I-551) that expired subsequent to completion of the Form I-9, the Employer shall not require the production of additional documentation, or use the photo screening tool described in Article II.C.5, subject to any additional or superseding instructions that may be provided on this subject in the Supplemental Guide for Federal Contractors. Nothing in this section shall be construed to require a second verification using E-Verify of any assigned employee who has previously been verified as a newly hired employee under this MOU, or to authorize verification of any existing employee by any Employer that is not a Federal contractor with the FAR E-Verify clause.

2. The Employer understands that if it is a Federal contractor with the FAR E-Verify clause, its compliance with this MOU is a performance requirement under the terms of the Federal contract or subcontract, and the Employer consents to the release of information relating to compliance with its verification responsibilities under this MOU to contracting officers or other officials authorized to review the Employer's compliance with Federal contracting requirements.

ARTICLE III

REFERRAL OF INDIVIDUALS TO SSA AND DHS

A. REFERRAL TO SSA

1. If the Employer receives a tentative nonconfirmation issued by SSA, the Employer must print the notice as directed by the E-Verify system and provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation. The Employer must review the tentative nonconfirmation with the employee in private.

2. The Employer will refer employees to SSA field offices only as directed by the automated system based on a tentative nonconfirmation, and only after the Employer records the case verification number, reviews the input to detect any transaction errors, and determines that the employee contests the tentative nonconfirmation. The Employer will transmit the Social Security Number to SSA for verification again if this review indicates a need to do so. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives it.

3. If the employee contests an SSA tentative nonconfirmation, the Employer will provide the employee with a system-generated referral letter and instruct the employee to visit an SSA office within 8 Federal Government work days. SSA will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it

determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.

4. The Employer agrees not to ask the employee to obtain a printout from the Social Security Number database (the Numident) or other written verification of the Social Security Number from the SSA.

B. REFERRAL TO DHS

1. If the Employer receives a tentative nonconfirmation issued by DHS, the Employer must print the tentative nonconfirmation notice as directed by the E-Verify system and provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation. The Employer must review the tentative nonconfirmation with the employee in private.

2. If the Employer finds a photo non-match for an employee who provides a document for which the automated system has transmitted a photo, the employer must print the photo non-match tentative nonconfirmation notice as directed by the automated system and provide it to the employee so that the employee may determine whether he or she will contest the finding. The Employer must review the tentative nonconfirmation with the employee in private.
3. The Employer agrees to refer individuals to DHS only when the employee chooses to contest a tentative nonconfirmation received from DHS automated verification process or when the Employer issues a tentative nonconfirmation based upon a photo non-match. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives it.

4. If the employee contests a tentative nonconfirmation issued by DHS, the Employer will provide the employee with a referral letter and instruct the employee to contact DHS through its toll-free hotline (as found on the referral letter) within 8 Federal Government work days.

5. If the employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will provide the employee with a referral letter to DHS. DHS will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.

6. The Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will send a copy of the employee's Form I-551 or Form I-766 to DHS for review by:

- Scanning and uploading the document, or
- Sending a photocopy of the document by an express mail account (paid for at employer expense).

7. If the Employer determines that there is a photo non-match when comparing the photocopied List B document described in Article II.C.5 with the image generated in E-Verify, the Employer must forward the employee's documentation to DHS using one of the means described in the preceding paragraph, and allow DHS to resolve the case.

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ARTICLE IV

SERVICE PROVISIONS

SSA and DHS will not charge the Employer for verification services performed under this MOU. The Employer is responsible for providing equipment needed to make inquiries. To access E-Verify, an Employer will need a personal computer with Internet access.

ARTICLE V

PARTIES

A. This MOU is effective upon the signature of all parties, and shall continue in effect for as long as the SSA and DHS conduct the E-Verify program unless modified in writing by the mutual consent of all parties, or terminated by any party upon 30 days prior written notice to the others. Any and all system enhancements to the E-Verify program by DHS or SSA, including but not limited to the E-Verify checking against additional data sources and instituting new verification procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes. DHS agrees to train employers on all changes made to E-Verify through the use of mandatory refresher tutorials and updates to the E-Verify User Manual, the E-Verify User Manual for Federal Contractors or the E-Verify Supplemental Guide for Federal Contractors. Even without changes to E-Verify, DHS reserves the right to require employers to take mandatory refresher tutorials. An Employer that is a Federal contractor with the FAR E-Verify clause may terminate this MOU when the Federal contract that requires its participation in E-Verify is terminated or completed. In such a circumstance, the Federal contractor with the FAR E-Verify clause must provide written notice to DHS. If an Employer that is a Federal contractor with the FAR E-Verify clause fails to provide such notice, that Employer will remain a participant in the E-Verify program, will remain bound by the terms of this MOU that apply to participants that are not Federal contractors with the FAR E-Verify clause, and will be required to use the E-Verify procedures to verify the employment eligibility of all newly hired employees.

B. Notwithstanding Article V, part A of this MOU, DHS may terminate this MOU if deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the Employer, or a failure on the part of the Employer to comply with established procedures or legal requirements. The Employer understands that if it is a Federal contractor with the FAR E-Verify clause, termination of this MOU by any party for any reason may negatively affect its performance of its contractual responsibilities.

C. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as they may determine necessary. By separate agreement with DHS, SSA has agreed to perform its responsibilities as described in this MOU.

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D. Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the Employer, its agents, officers, or employees.

E. Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the Employer.

F. The Employer understands that the fact of its participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to, Congressional oversight, E-Verify publicity and media inquiries, determinations of compliance with Federal contractual requirements, and responses to inquiries under the Freedom of Information Act (FOIA).

G. The foregoing constitutes the full agreement on this subject between DHS and the Employer.

H. The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the Employer and DHS respectively.

E-Verify

Company ID Number: 407682

To be accepted as a participant in E-Verify, you should only sign the Employer's Section of the signature page. If you have any questions, contact E-Verify at 888-464-4218.

Employer Southland International Trucks, Inc.	
Dianne Sewell	
Name (Please Type or Print)	Title
Electronically Signed	**04/11/2011**
Signature	Date
Department of Homeland Security – Verification Division	
USCIS Verification Division	
Name (Please Type or Print)	Title
Electronically Signed	**04/11/2011**
Signature	Date

Information Required for the E-Verify Program

Information relating to your Company:

Company Name:	**Southland International Trucks, Inc.**
Company Facility Address:	**200 Oxmoor Blvd**
	Homewood, AL 35209
Company Alternate Address:	
County or Parish:	**JEFFERSON**
Employer Identification Number:	**630832185**

E-Verify

Company ID Number: 407682

North American Industry Classification Systems Code:	423
Administrator:	
Number of Employees:	100 to 499
Number of Sites Verified for:	5

Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State:

- ALABAMA 5 site(s)

Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

Name:	**Dianne R Sewell**		
Telephone Number:	**(205) 942 - 6226**	Fax Number:	**(205) 380 - 9732**
E-mail Address:	**dsewell@southlandtrucks.com**		
Name:	**Diana D Allen**		
Telephone Number:	**(205) 942 - 6226 ext. 2403**	Fax Number:	**(205) 380 - 9733**
E-mail Address:	**dallen@southlandtrucks.com**		