

ALLEGIANCE
— TRUCKS® —

JIM RAMSAY

Sales Consultant

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AllegianceTrucks.com



*Authorized Dealer

BID FORM

**2021 or Newer Model Year
Six Wheel Dump Truck**

Bidder agrees to supply one (1) Six Wheel Dump Truck as indicated on Specification Sheet.

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
One (1)	Six Wheel Dump Truck with Equipment	\$ <u>106,500.00</u> *
	<u>TOTAL</u>	\$ <u>106,500.00</u>

Total Amount One hundred Six thousand five hundred dollars
(Written)

* Price is subject to change after January 31st 2022

Bid Form, continued

The above costs shall include the purchase and installation of all equipment specified on the said Specification Sheet. As previously referenced, the complete final product shall be operational and functional as intended by the Barrington Highway Department.

The Town reserves the right to accept and/or reject any Bid and also reserves the right to waive any informalities in the bidding procedures.

The Town reserves the right to accept the Bid Amount that is in the best interest of the Town.

List any and all deviations from the Specifications. If none are listed, it shall be assumed that the units offered, meet or exceed the minimum Specifications.

Attach complete set of Specifications and all other information requested in this BID-BHD-03. List all agencies where complete stocks or repair parts are maintained

AT New Hampshire, LLC

(Business Name)

132 Pierce Road

(Address)

Barrington, NH 03825

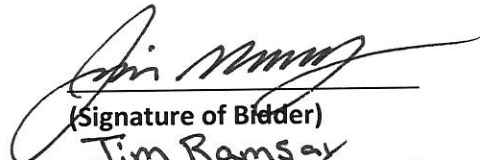
(City, State and Zip Code)

603-256-5423

(Phone Number)

Dated 18th day of January, 2022

Expected Delivery Date: November 2022



(Signature of Bidder)

Jim Ramsay

(Printed Name)

Municipal Sales

(Title of Bidder)

Bid Form, continued

SPECIFICATIONS EXCEPTION FORM

In the interest of fairness and sound business practice, it is mandatory that you state any exceptions taken by you to our specifications.

It should not be the responsibility of the Town of Barrington to ferret out information concerning the materials which you intend to furnish.

If your bid does not meet all our specifications you must state it in the space provided below:

See list attached

Bids on equipment, vehicles, computers, supplies, services and materials not meeting specifications may be considered by the Town, however, all deviations must be listed above.

If your Bid does not meet our specifications, and your exceptions are not listed above, the Town of Barrington may claim forfeiture on your Bid, if submitted.

Signed _____

I DO meet specifications

Signed  _____

I DO NOT meet specifications as listed in this Bid; exceptions are in the space provided

Failure to submit this form with your Bid response may result in your Bid being rejected as unresponsive.

Specifications Exception Form

Cab :

- 1) Aluminum Cab Requested ; Double Sided Galvanized Steel Supplied
- 6) Passenger seat , Non Susp. Requested ; Air ride supplied
- 7) Arm rests, both sides Requested ; Inner seat only, arm rest supplied
- 11) Curb view lower window in passenger side door Requested ; Not available
- 12) Fiberglass tilt hood access hatches Requested ; Supplied with driver side hatch only
- 15) Stainless Steel heated convex mirrors Requested ; Bright heated supplied
- 19) Power window on passenger side only Requested ; Supplied with both windows power

Battery and Alternator :

- 1.) Battery box , Aluminum with Aluminum cover Requested ; Supplied with Steel Battery box with Aluminum cover

Tires and Wheels :

- 3.) Rear tire – XDE M/S tread Requested ; supplied with XDN2 tread (Both Tire tread designs requested will most likely be changed due to shortages being experienced by all tire manufacturers)

Fuel Supply :

- 4.) 6-Gallon diesel exhaust fluid tank Requested ; Supplied with 5 Gallon tank

Air Equipment :

- 2.) Bendix AD-IS air dryer with heater requested ; Supplied with Bendix AD-IP air dryer with heater

Bid Form, continued

NON-COLLUSION STATEMENT

The Undersigned certifies under penalties of perjury that this Bid in all respects is bonafide, fair and made without collusion or fraud with any other person. As used in this paragraph, the "PERSON" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity.

Title Municipal Sales
Signature *Jiri Ramsay*
Company AT New Hampshire, LLC

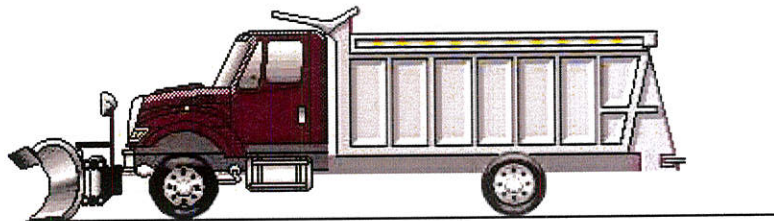
INDEMNIFICATION AGREEMENT

The successful vendor agrees to indemnify, investigate, protect, defend and save harmless the Town of Barrington, NH, it's officials, officers, agents, and employees from any and all claims and losses accruing or resulting to any and all contractors, subcontractors, suppliers, laborers and any other person, firm or corporation furnishing or supplying work, services, materials, equipment or supplies in connection with the performance of this contract and from any and all claims and losses accruing or resulting to any person, firm or corporation which may be injured or damaged by the vendor in the performance of this contract. In any case, the forgoing provisions concerning indemnification shall not be construed to indemnify the Town for damage arising out of bodily injury to persons or damage to property caused by or resulting from the sole negligence of the Town or its employees. This indemnification shall survive the expiration or early termination of this contract.

Company AT New Hampshire, LLC
Taxpayer ID Number 83-4240115
Authorized Signature and Date *Jiri Ramsay* 1/18/22
Address 132 Pierce Road, Barrington NH 03825
Telephone 603-256-5423
E-Mail jramsay@allegiance-trucks.com

Prepared For:
Town of Barrington -PWD
Erin Paradis
137 Ramsdell Ln.
Barrington, NH 03825-7469
(603)664 - 5379

Presented By:
ALLEGIANCE TRUCKS
James C Ramsay
1400 S WILLOW ST.
MANCHESTER NH 03103 - 4024
(800)562-3814



Model Profile

2023 HV507 SFA (HV507)

AXLE CONFIG:	4X2
MISSION:	Requested GVWR: 39000. Calc. GVWR: 37240. Calc. GCWR: 80000
DIMENSION:	Wheelbase: 171.00, CA: 96.00, Axle to Frame: 65.00
ENGINE, DIESEL:	{Cummins L9 330} EPA 2021, 330HP @ 2200 RPM, 1000 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 330 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 3000 RDS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, 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, SINGLE:	{Meritor RS-30-185} Single Reduction, 30,000-lb Capacity, Driver Controlled Locking Differential, T Wheel Ends Gear Ratio: 5.38
CAB:	Conventional, Day Cab
TIRE, FRONT:	(2) 11R22.5 Load Range H XZE2 (MICHELIN), 501 rev/mile, 75 MPH, All-Position
TIRE, REAR:	(4) 11R22.5 Load Range H XDN2 (MICHELIN), 497 rev/mile, 75 MPH, Drive
SUSPENSION, REAR, SINGLE:	31,000-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Multileaf Springs
PAINT:	Cab schematic 100WK Location 1: 2503, Garnet Pearl Metallic (Prem) Chassis schematic N/A

<u>Code</u>	<u>Description</u>
HV50700	Base Chassis, Model HV507 SFA with 171.00 Wheelbase, 96.00 CA, and 65.00 Axle to Frame.
1570	TOW HOOK, FRONT (2) Frame Mounted
1ANA	AXLE CONFIGURATION {Navistar} 4x2
	<u>Notes</u> : Pricing may change if axle configuration is changed.
1CAJ	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.437" (276.0mm x 92.0mm x 11.1mm); 456.0" (11582mm) Maximum OAL
1LLA	BUMPER, FRONT Swept Back, Steel, Heavy Duty
1MEJ	FRAME, SPECIAL EFFECTS Dimple on Left and Right Top Flange of Frame Rail to Reference Rear Axle Centerline
1WDS	FRAME EXTENSION, FRONT Integral; 20" In Front of Grille
1WEV	WHEELBASE RANGE 146" (370cm) Through and Including 195" (495cm)
2ARY	AXLE, FRONT NON-DRIVING {Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity
3708	SHOCK ABSORBERS, FRONT
3ACS	SUSPENSION, FRONT, SPRING Multileaf, Shackle Type, 20,000-lb Capacity, Less Shock Absorbers
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
	<u>Includes</u> : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6
4619	TRAILER CONNECTIONS Four-Wheel, with Hand Control Valve and Tractor Protection Valve, for Straight Truck
	<u>Notes</u> : When electronic stability control is ordered with trailer connections on a 4x2 truck, please check the operator manual for trailer weight restrictions.
4722	DRAIN VALVE {Bendix DV-2} Automatic, with Heater, for Air Tank
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System
4EBT	AIR DRYER {Bendix AD-IP} with Heater
4EXV	BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn

<u>Code</u>	<u>Description</u>
4EXW	BRAKE CHAMBERS, REAR AXLE {Bendix EnduraSure Pro} 30/30 SqIn Spring Brake
4LAA	SLACK ADJUSTERS, FRONT {Haldex} Automatic
4LGA	SLACK ADJUSTERS, REAR {Haldex} Automatic
4LGR	SLACK ADJUSTER PINS Stainless Steel Slack Adjuster Pins/Cotter Pins on Front and Rear
4SPA	AIR COMPRESSOR {Cummins} 18.7 CFM
4VGN	AIR TANK Painted Aluminum, with Straight Thread O-Ring Ports
4VKC	AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab
4WBX	DUST SHIELDS, FRONT BRAKE for Air Cam Brakes
4WDM	DUST SHIELDS, REAR BRAKE for Air Cam Brakes
4WZJ	AIR TANK LOCATION (2) : One Mounted Under Each Rail, Front of Rear Suspension, Parallel to Rail
4XCZ	BRAKES, REAR {Meritor 16.5X7 P} Air S-Cam Type, Cast Spider, Cast Shoe, Double Anchor Pin, Includes Greaseable and Zinc Coated Anchor Pins, Size 16.5" X 7", 38,000-lb Capacity per Axle
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
5710	STEERING COLUMN Tilting and Telescoping
5CAW	STEERING WHEEL 4-Spoke; 18" Dia., Black
5PTB	STEERING GEAR (2) {Sheppard M100/M80} Dual Power
6DGC	DRIVELINE SYSTEM {Dana Spicer} SPL170, for 4x2/6x2
7BEU	AFTERTREATMENT COVER Aluminum
7BLW	EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab
7SDP	ENGINE COMPRESSION BRAKE {Jacobs} for Cummins ISL/L9 Engines; with Selector Switch and On/Off Switch
7WAZ	TAIL PIPE (1) Turnback Type
7WDM	EXHAUST HEIGHT 10'
7WDN	MUFFLER/TAIL PIPE GUARD (1) Aluminum
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment
	<u>Includes</u>
	: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab
	: HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel
	: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever

<u>Code</u>	<u>Description</u>
	: 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
	: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature
	: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
	: WIRING, CHASSIS Color Coded and Continuously Numbered
8518	CIGAR LIGHTER Includes Ash Cup
8541	HORN, ELECTRIC (2) Disc Style
8695	SNOW SHIELD (2) Chrome; for Dual Air Horns
8GHU	ALTERNATOR {Delco Remy 28SI} Brush Type, 12 Volt, 200 Amp Capacity, Pad Mount, with Remote Sense
8HAH	ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Combined Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package with Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket
8HAU	BODY BUILDER WIRING INSIDE CAB; Includes Sealed Connectors for Tail/Amber, Turn/Marker/Backup/Accessory, Power/Ground, and Stop/Turn
8HXT	HORN, AIR (2) Single Tone, Chrome, Roof Mounted, with Lanyard Pull Cord
8MJU	BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 2850CCA Total, Top Threaded Stud
8RGA	2-WAY RADIO Wiring Effects; Wiring with 20 Amp Fuse Protection, Includes Ignition Wire with 5 Amp Fuse, Wire Ends Heat Shrink and Routed to Center of Header Console in Cab
8RMV	SPEAKERS (2) 6.5" Dual Cone Mounted in Doors
8RPP	ANTENNA Shark Fin, Roof Mounted
8RPT	RADIO AM/FM/WB/Clock/USB Input/Auxiliary Input
8THB	BACK-UP ALARM Electric, 102 dBA
8THJ	AUXILIARY HARNESS 3.0' for Auxiliary Front Head Lights and Turn Signals for Front Plow Applications
8TKK	TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; with 30 Amp Fuse and Relay, Controlled by Ignition Switch
8TMH	SWITCH, AUXILIARY Accessory Control; for Wiring in Roof, with Maximum of 20 amp Load with Switches In Instrument Panel
8TPR	STOP, TURN, TAIL & B/U LIGHTS {Weldon} Multi-Function LED Lamp, Mounted Outside Rails, Includes LED License Plate Light
8TUU	BATTERY CABLES with 1 Auxiliary Battery Post, Positive

<u>Code</u>	<u>Description</u>
8WBW	JUMP START STUD Remote Mounted
8WPH	CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
8WPZ	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights
8WWJ	INDICATOR, LOW COOLANT LEVEL with Audible Alarm
8WXD	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, with Ignition "OFF" and any Door Opened
8WXG	STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
8XDU	BATTERY BOX Steel, with Aluminum Cover, 14" Wide, 2-3 Battery Capacity, Mounted Left Side Under Cab
8XGT	TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender
8XHD	BATTERY DISCONNECT SWITCH 300 Amp, Disconnects Charging Circuits, Locks with Padlock, Cab Mounted
8XHR	POWER SOURCE, ADDITIONAL Auxiliary Power Outlet (APO) with USB Port, Located in the Instrument Panel
8XNY	HEADLIGHTS Halogen
8XPC	ACCESSORY WIRING, SPECIAL for Body Builder Feeds & Road Speed Wire Coiled Behind Driver Seat for Customer Use, Includes 15 & 5 Amp Ignition, (2) 20 Amp Battery, (2) Ground and Road Speed
9585	FENDER EXTENSIONS Rubber
9AAB	LOGOS EXTERIOR Model Badges
9AAE	LOGOS EXTERIOR, ENGINE Badges
9ANG	HOOD, HATCH (01) for Servicing
9HBM	GRILLE Stationary, Chrome
9WBC	FRONT END Tilting, Fiberglass, with Three Piece Construction, for WorkStar/HV
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100
	<u>Includes</u>
	: PAINT SCHEMATIC ID LETTERS "WK"
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
10769	PAINT CLASS Premium Color
10BAE	LABEL, DEF "DEF ONLY"

<u>Code</u>	<u>Description</u>
10SLV	PROMOTIONAL PACKAGE Government Silver Package
10WBS	KEYS - ALL ALIKE, ADDITIONAL 2 Keys
10WCY	SAFETY TRIANGLES
10XAN	FIRE EXTINGUISHER 5 lb Class A B C
10XAP	FIRE EXTINGUISHER BRACKET Mounted Left Side Driver Seat
11001	CLUTCH Omit Item (Clutch & Control)
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
12849	BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/B6.7/ISL/L9 Engines <u>Includes</u> : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
12851	PTO EFFECTS, ENGINE FRONT Less PTO Unit, Includes Adapter Plate on Engine Front Mounted
12ESM	ENGINE, DIESEL {Cummins L9 330} EPA 2021, 330HP @ 2200 RPM, 1000 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 330 Peak HP (Max)
12THT	FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed <u>Includes</u> : FAN Nylon
12UWZ	RADIATOR Aluminum, Cross Flow, Front to Back System, 1228 SqIn, with 1167 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler <u>Includes</u> : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber
12VAL	AIR CLEANER Dual Element, with Integral Snow Valve and In-Cab Control
12VJC	EMISSION, CALENDAR YEAR {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2022
12VXU	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel
12VYP	ENGINE CONTROL, REMOTE MOUNTED No Provision for Remote Mounted Engine Control
12WZJ	CARB IDLE COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal located on Driver Door
12WZY	CARB EMISSION WARR COMPLIANCE for Cummins L9 Engines

<u>Code</u>	<u>Description</u>
13AVR	TRANSMISSION, AUTOMATIC {Allison 3000 RDS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
13WDT	SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, 3 Speed S1 Secondary Shift Schedule for 5 or 6 Speed
13WET	TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission
13WGH	TRANSMISSION DIPSTICK Relocated to Right Side of Transmission
13WGK	TRANSMISSION COOLER HOSES Stainless Steel
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints
13WUC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223
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
13WYH	TRANSMISSION TCM LOCATION Located Inside Cab
13XAM	PTO LOCATION Dual, Customer Intends to Install PTO at Left and/or Right Side of Transmission
14ASD	AXLE, REAR, SINGLE {Meritor RS-30-185} Single Reduction, 30,000-lb Capacity, Driver Controlled Locking Differential, T Wheel Ends . Gear Ratio: 5.38
	<u>Notes</u> : Axle Lead Time is 60 Days
14SAL	SUSPENSION, REAR, SINGLE 31,000-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Multileaf Springs
15924	FUEL TANK STRAPS Bright Finish Stainless Steel
15LNS	FUEL/WATER SEPARATOR {Racor 400 Series} 12 VDC Electric Heater, Includes Pre-Heater, with Primer Pump, Includes Water-in-Fuel Sensor, Mounted on Engine
15SXJ	FUEL TANK Top Draw, Non-Polished Aluminum, 24" Dia, 50 US Gal (189L), Mounted Left Side, Under Cab
15WCN	DEF TANK 5 US Gal (19L) Capacity, Frame Mounted Outside Left Rail, Under Cab
16030	CAB Conventional, Day Cab
16BAM	AIR CONDITIONER with Integral Heater and Defroster
16GED	GAUGE CLUSTER Base Level; English with English Electronic Speedometer
	<u>Includes</u> : 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

<u>Code</u>	<u>Description</u>
	: 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
16HGH	GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission
16HHE	GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} with Black Bezel, Mounted in Instrument Panel
16HHT	AMMETER 150 Amp
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16HLX	GAUGE, VOLTMETER Auxiliary Gauge, Located in Center Panel. Standard Cluster Also Includes Digital Voltage Readout
16JNT	SEAT, DRIVER {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, with 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust
16RPV	SEAT, PASSENGER {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Adjust
16SGH	GRAB HANDLE, EXTERIOR (2) Chrome, for Cab Entry, (1) Towel Bar Type, with Anti-Slip Rubber Inserts Mounted Left Side at B-Pillar, (1) Towel Bar Type Mounted Right Side on Vertical Exhaust
16SJX	MIRROR, CONVEX, HOOD MOUNTED {Lang Mekra} (2) Right and Left Sides, Bright, Heated, 7.5" Sq.
16SNR	MIRRORS (2) C-Loop, Power Adjust, Heated, LED Clearance Lights, Bright Heads and Arms, 7.5" x 14" Flat Glass, Includes 7.5" x 7" Convex Mirrors, for 102" Load Width
	<u>Notes</u> : Mirror Dimensions are Rounded to the Nearest 0.5"
16SNX	MIRROR, CONVEX, LOOK DOWN Right Side, Bright, 6" x 10.5"
16VCC	SEAT BELT All Orange; 1 to 3
16VKB	CAB INTERIOR TRIM Classic, for Day Cab
	<u>Includes</u> : CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger : DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted : SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap
16VSL	WINDSHIELD Heated, Single Piece

<u>Code</u>	<u>Description</u>
16VZB	SEAT BELT COMFORT CLIP
16WBY	ARM REST, RIGHT, DRIVER SEAT
16WBZ	ARM REST, LEFT, PASSENGER SEAT
16WJU	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature
16WSK	CAB REAR SUSPENSION Air Bag Type
16XJN	INSTRUMENT PANEL Flat Panel
16XWJ	WINDSHIELD WIPER BLADES Snow Type
16XXC	COWL TRAY LID
16ZBT	ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab and Extended Cab
27DUK	WHEELS, FRONT {Accuride 29169} DISC; 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and Steel Hubs
28DUK	WHEELS, REAR {Accuride 29169} DUAL DISC; 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and Steel Hubs
60AAG	BDY INTG, REMOTE POWER MODULE Mounted Inside Cab Behind Driver Seat, Up to 6 Outputs & 6 Inputs, Max 20 amp per Channel, Max 80 amp Total; Includes 1 Switch Pack with Latched Switches
60ABE	BDY INTG, PTO ACCOMMODATION for Electric over Hydraulic PTO, Does Not Include Solenoids, with Latched Switch Mounted on Dash Includes Audible Alarm and Indicator Light in Gauge Cluster (Requires 1 Remote Power Module input & 1 output)
7482133264	(4) TIRE, REAR 11R22.5 Load Range H XDN2 (MICHELIN), 497 rev/mile, 75 MPH, Drive
7482133269	(2) TIRE, FRONT 11R22.5 Load Range H XZE2 (MICHELIN), 501 rev/mile, 75 MPH, All-Position

Services Section:

40128 WARRANTY Standard for HV507, HV50B, HV607 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A

Body/Allied Equipment

Code Description

Goods Purchased

Code Description

MY 22

Additional chrome grab handle installed passenger side
 spring work Donovan

(US DOLLAR)

Description

Price

Net Sales Price:

\$106,500.00

Please feel free to contact me regarding these specifications should your interests or needs change. I am confident you will be pleased with the quality and service of an International vehicle.

Approved by Seller:

Accepted by Purchaser:

Official Title and Date

Firm or Business Name

Authorized Signature

Authorized Signature and Date

This proposal is not binding upon the seller without Seller's Authorized Signature

Official Title and Date

The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.

The limited warranties applicable to the vehicles described herein are Navistar, Inc.'s standard printed warranties which are incorporated herein by reference and to which you have been provided a copy and hereby agree to their terms and conditions.

GVWR Component Rating(s)

Ratings	Primary			Adjusted By			GAWR* (lbf)	GVWR* * (lbf)
	ATA Class	Feature	Rating (lbf)	ATA Class	Feature	Rating (lbf)		
Front Component Ratings	AXLE, FRONT NON-DRIVING	0002AR Y	20000					
	BRAKES, FRONT	0004XD T	20000					
	SUSPENSION, FRONT, SPRING	0003AC S	20000					
	WHEELS, FRONT	0027DU K	15660	TIRE, FRONT	074821 3	13220		
Front GAWR							13220	
Rear Component Ratings	BRAKES, REAR	0004XC Z	38000					
	BRAKE SYSTEM, AIR	000409 1	23000	BRAKES, REAR	0004XC Z	38000		
	SUSPENSION, REAR, SINGLE	0014SA L	31000					
	WHEELS, REAR	0028DU K	27780	TIRE, REAR	074821 3	24020		
	AXLE, REAR, SINGLE	0014AS D	30000					
Rear GAWR							24020	
Overall Vehicle Limitations	TRANSMISSION , AUTOMATIC	0013AV R	80000					
GVWR Based on Axle Ratings***								37240
Calculated GVWR								37240

GCWR Component Rating(s)

Ratings	Primary			Adjusted By			GCWR**** (lbf)
	ATA Class	Feature	Rating (lbf)	ATA Class	Feature	Rating (lbf)	
GCWR Component Rating	AXLE, REAR, SINGLE	0014AS D	125000				
	TRANSMISSION , AUTOMATIC	0013AV R	80000				
	ENGINE, DIESEL	0012ES M	80000				
Calculated GCWR							80000

* GAWR (Gross Axle Weight Rating) is the rating capacity of an axle system which include wheels, tires, axles, brakes, springs, and suspensions.

** GVWR (Gross Vehicle Weight Rating) is the maximum amount that a loaded vehicle can weight.
*** GVWR Based on Axle Ratings = Front GAWR + Rear GAWR. Overall vehicle weight limitations are not taken into account.
**** GCWR (Gross Combined Weight Rating) is the maximum weight of a tractor and trailer.

HV™ SERIES



THE NEW
INTERNATIONAL® HV SERIES.



A SMARTER APPROACH TO SERIOUS WORK.

INTRODUCING THE NEW INTERNATIONAL® HV™ SERIES.

There's a new breed of vocational truck that redefines the standard for uptime and productivity. Introducing the new International HV Series. Redesigned from the inside out, the interior was crafted with driver and body company feedback to ensure the most comfortable and productive environment possible, while the exterior continues the powerful styling of the WorkStar. The HV Series also features the intelligence of the industry-leading Diamond Logic® electrical system for the automation of tasks and interlocks to help protect both equipment and crew. Power options include the International® A26™, an engine designed with uptime in its DNA.

The HV Series is the go-to truck for those who know that it's not just about getting the job done, it's about getting the job done right.



UPTIME



DRIVERFIRST™



INTEGRATION





EVERY MODEL YOU NEED. IN THE CONFIGURATION YOU WANT.

Productivity often comes down to versatility. And there's no more versatile foundation than the HV™ Series. With configurations ranging from 4x2 to 8x6, BBCs of either 107" or 113" and set-forward or set-back front axles, plus a clean Cab-to-Axle (CA) configuration—the HV Series has what you want for virtually every possible need.





ENGINEERED FOR UPTIME. BATTLE-TESTED TOO.

FOR THOSE VOCATIONS WHERE UPTIME IS OF UTMOST IMPORTANCE, THE INTERNATIONAL® HV™ SERIES IS THE GO-TO SOLUTION. FROM THE WORKSITE TO THE BATTLEFIELD, THE HV SERIES WAS BUILT WITH RELIABILITY, PRODUCTIVITY, EFFICIENCY AND PERFORMANCE AS ITS PRIMARY MISSION.

HV SERIES FEATURES:

- ▶ Double-sided galvanized steel cab with superior fit and finish and corrosion resistance
- ▶ Huck® Bolt chassis fasteners provide superior clamping force and will not come loose even in extreme environments
- ▶ Single 1/2" frame rail has the strength of a double rail but lighter in weight and without the chance of inter-rail corrosion
- ▶ Standard breakaway mirrors minimize cab and door damage
- ▶ Integral 20" and 27" frame extensions (not bolt-on) for superior strength and reliability
- ▶ Available stainless-steel oil pan for reduced corrosion in highly corrosive applications



The battle-tested Navistar Defense Mine Resistant Ambush Protected (MRAP) vehicle is based on the HV™ Series



The new 12.4L International® A26™ (HV513, HV613) is purpose-built to deliver uptime, fuel efficiency and quiet operation.



Huck® Bolt chassis fasteners provide superior clamping force, do not require re-torquing and are highly vibration resistant.

When it's time for service, the HV Series is all about quick turnaround time within the service bay or at any of the nearly 700 dealer locations across the U.S. and Canada.

- ▶ In-cab electrical panel is conveniently located under spill-resistant dash panel
- ▶ 3-piece hood for lower cost replacement during crash repair
- ▶ Routine service points are clearly labeled and easily accessed under the hood
- ▶ Commonly serviced fluid reservoirs are translucent for quick inspection and many of the caps are tethered to prevent dropped and/or lost caps—saving time and frustration
- ▶ Batteries can be located in the cab for easier servicing in harsh weather and to free up rail space for mounting other components





DRIVERFIRST: DESIGNED FOR THOSE BEHIND THE WHEEL.

In many ways, the International® HV™ Series was designed from the inside out based on our DriverFirst™ philosophy. After all, the care, comfort and safety of your drivers is what matters most. To ensure they hit the mark, International® engineers used feedback from drivers and body companies during the planning and design process.

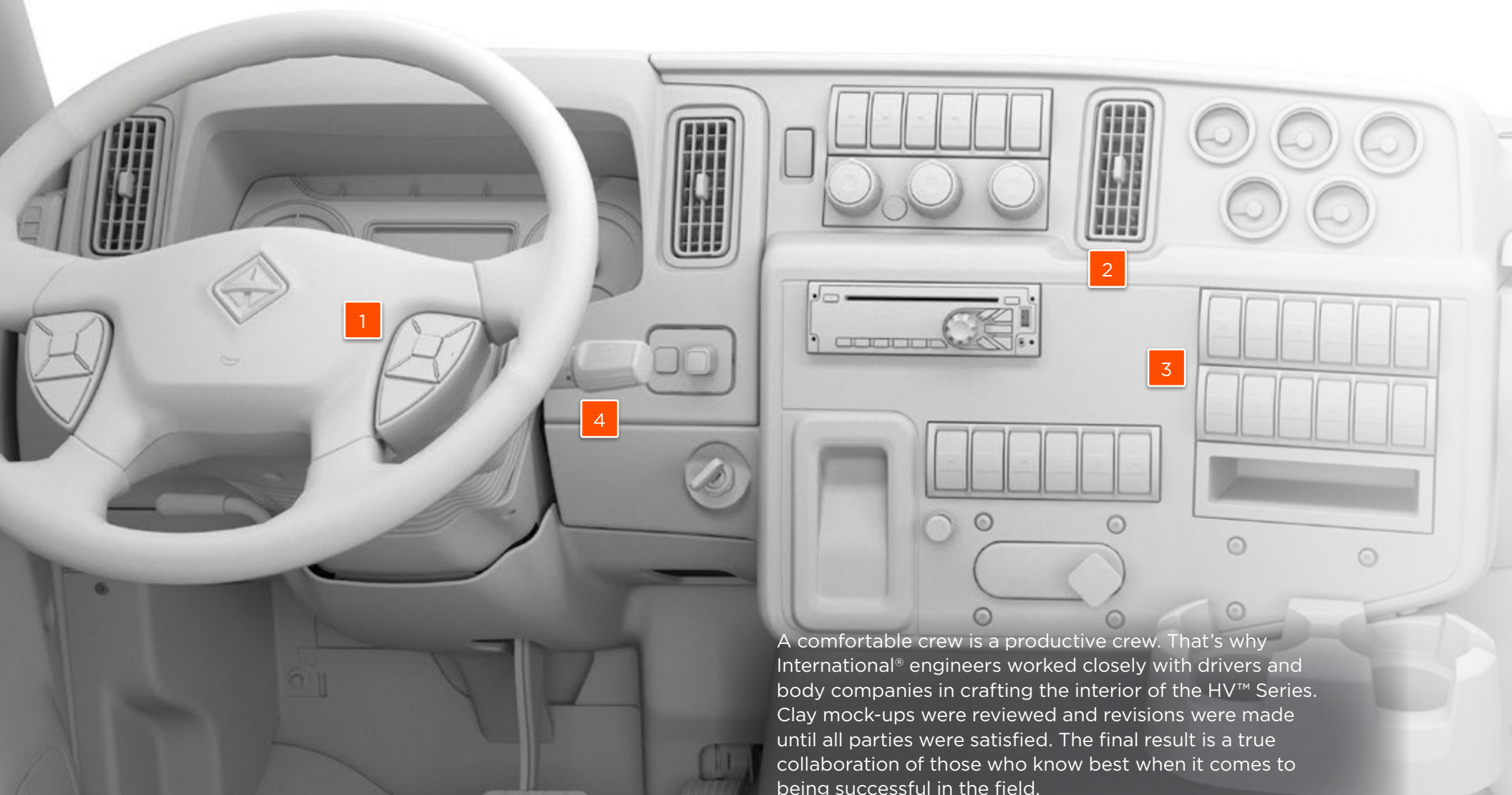
This collaboration is the reason behind many of the new driver-centric features like controls and switches that can be easily operated while wearing gloves. Or the available pedestal-mounted mirrors designed to reduce head-turn movement and increase visibility.

Of course, nothing contributes more to comfort than space, and the HV Series has one of the largest cabs in its class. It's these enhancements and much more that make the HV Series a true driver's truck.





TAKE A HANDS-ON APPROACH TO SUCCESS.



A comfortable crew is a productive crew. That's why International® engineers worked closely with drivers and body companies in crafting the interior of the HV™ Series. Clay mock-ups were reviewed and revisions were made until all parties were satisfied. The final result is a true collaboration of those who know best when it comes to being successful in the field.

Cab Features	Classic	Diamond
Cab Trim Panels	Easy to Clean Soft Touch Vinyl	
Door Trim		Available with Black Cherry Accents - Padded Gray or Black Cherry Soft Touch Panels
Trim Inserts	Neutral	Woodgrain - Optional Black Cherry Door Toppers
Instrument Panel	Black	Black
Gauge Cluster	8-gauge, 3.5" Display with Odometer and Trip	Optional: Premium 8-Gauge, 5" Color Display with Virtual Gauges and Integrated Telemetry
Accent Color	Neutral	Neutral: Optional: Black Cherry
Sun Visors	Two	
Lighting	LED	
Window Controls	Manual or Power	Power
Lock Controls	Manual or Power	Power
Cup / Bottle Holders	Four	
Overhead Console	Molded Plastic with Retainer Nets and CB Radio Housing	
USB Accessory Port	Up to 3	



1 The all-new steering wheel adds more functions at the driver's fingertips with integrated laser-etched labeling for improved durability and visibility. Plus, all the controls within the cab are designed to be glove-friendly



2 An available flat instrument panel with center-mounted vent keeps the middle passenger cool while providing space for extra legroom or a large floor-mounted body control module



3 Factory-installed switches with custom labels are optimally positioned within the HV™ Series for use with integrated equipment

- ▶ Up to 30 customizable, user-replaceable switches are available for any application
- ▶ Large, easy-to-read backlit text
- ▶ Warning lights can be any of seven colors
- ▶ One common switch pack for wiring simplicity
- ▶ Any switch can be relocated by the customer without wiring changes
- ▶ Blank "windows" available for custom labeling by the customer

4 The innovative new shifter is mounted on the steering column, allowing your drivers to easily reach and smoothly operate shifting and engine braking while keeping their eyes on the road and hands on the wheel





COMMAND CENTRAL.

Uptime doesn't just mean fully-operational. It means giving your drivers the tools they need to be more productive. The gauges, for example, received numerous tests and refinements to optimize their readability, usability and positioning—even the colors were changed to ensure that key information and alerts are precisely where they need to be and can be seen without confusion or distraction.



The color, illumination, legibility and even the type font and size of gauges is designed to deliver optimal viewing in varying light conditions, maximizing alertness and minimizing eye fatigue.

A customizable digital display in the premium gauge cluster provides a wealth of information for the driver, including:

- ▶ Axle load*
- ▶ Custom gauge settings*
- ▶ Safety indicators*
- ▶ Digital speedometer
- ▶ Tire pressure*
- ▶ Additional virtual gauge options



Intuitive controls allow you to easily navigate between digital screens.

- Back Button** - navigate to previous page/sub category and then to main home screen
- Navigation Button** - navigate up and down to move within categories, navigate left or right to access the main menu and to move from one category to another
- OK/Reset Button** - select a highlighted category or hold for 3 seconds to reset the item

* When added with optional feature code for required sensors.





DIAMOND LOGIC[®]

ADVANCING THE SCIENCE OF PRODUCTIVITY.

The International[®] truck Diamond Logic[®] electrical system is considered the most advanced in the industry—and for good reason. Diamond Logic streamlines chassis and body equipment integration and allows customers to program automated tasks. This means more consistent performance and increased equipment protection and crew safety. It's easy to spec, simplifies integration, and includes on-board diagnostics that self-monitor all vehicle components to reduce downtime.



HV[™] Series features a programmable key fob that allows two Diamond Logic tasks to be activated with the push of a button



- 1 Body Controller**
 - ▶ New microprocessor is 6 times faster
 - ▶ 30 more input and output pins
 - ▶ Three more J1939 data links for a total of five
 - ▶ Internal clock for programming timed features like auto-start
- 2 Switch Packs**
 - ▶ All switches are controlled via 6 wires
 - ▶ Blinking backlights provide equipment status
 - ▶ Switches can be moved without moving wiring
 - ▶ Up to seven colors of lights can be used
- 3 PTO Power Take Off**
 - ▶ Engagement and disengagement based on chassis and body conditions (engine speed, road speed, outrigger deployed before boom can raise, park brake set, transmission in neutral, etc.)
 - ▶ All data links can be used as an interlock
 - ▶ Engine speed can be controlled (in most cases) while using the PTO with no additional wiring needed

- 4 Remote Power Modules**
 - ▶ All 12-volt outputs are automatically fused (auto resettable) with solid state technology
- 5 Outriggers**
 - ▶ Diamond Logic can control deployment
 - ▶ Can sense when they are not properly stowed (not letting transmission come out of neutral) and will illuminate an indicator light in the switch packs
- 6 Diff-lock**
 - ▶ Diamond Logic can control when the axle differential locks and unlocks depending on road speed, protecting the driveline from damage due to excessive speeds in a locked position
- 7 Work Light**
 - ▶ Diamond Logic can automatically turn on or off the light based on chassis functions (for example: rear-facing light could be programmed to turn on any time the transmission is in reverse, adding additional lighting)
 - ▶ Automatically shut off the light based on a timer (1-min to several hours) preventing dead batteries

- 8 Boom Hydraulics**
 - ▶ Diamond Logic can prevent the transmission from shifting into drive and can illuminate an indicator light until the boom is stowed correctly
- 9 Pre-Trip Light inspections**
 - ▶ Driver can press a button and all the exterior lights will blink in sequence, allowing daily DOT light inspection with just one person
- 10 Solenoid Air Packs**
 - ▶ Air can be turned on with a switch in the dash or controlled based on chassis and/or body functions (for example: tailgate air lock in dump applications can be programmed to not unlock unless the truck is driving below a certain speed)





WHATEVER YOUR APPLICATION, DIAMOND LOGIC[®] IS PROGRAMMED TO SUCCEED.

Whether you're a municipality looking for an efficient, cost-effective solution, a Truck Equipment Manufacturer (TEM) looking for a rock-solid foundation to build on, or a construction company wanting the toughest truck in the business, the HV[™] Series combined with the Diamond Logic System will get the job done with safety and precision others simply can't match.



UTILITY

- ▶ Utility Indicator Lights
 - Factory-installed indicator lights and audible alarms for Boom Out of Stow and Outriggers Down warning.
- ▶ Protect Equipment Through Interlocks
 - Require outriggers be deployed and the park brake set before allowing boom to rise

DUMP

- ▶ Dump Bed and Gate Open Indicators
 - Hydraulic system monitoring performed through custom programming
- ▶ Lights On With Wipers
 - Lights automatically turn on when wipers are activated to meet the legal requirement of many states

MIXER

- ▶ Programmable PTO Accommodations
 - Remote body switches can be custom-programmed to control concrete chutes and water valves
- ▶ Pre-Trip Light Inspection
 - Automated vehicle light check

CRANE

- ▶ Protect Equipment Through Interlocks
 - Require outriggers be deployed and the park brake set before allowing boom to rise
- ▶ Park Brake Alarm
 - Alerts driver of park brake not set using city horn

WAYS TO USE DIAMOND LOGIC[®]

1

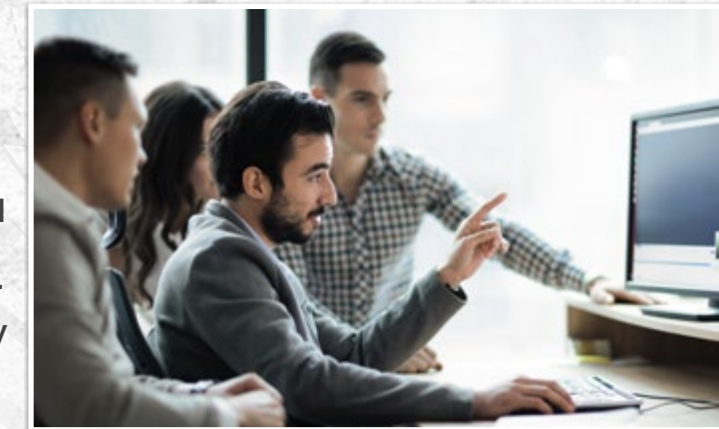
Order from nearly 200 preprogrammed tasks

2

Work with International[®] to create custom tasks

3

International can train and certify your technicians on Diamond Logic Builder software to independently program new tasks



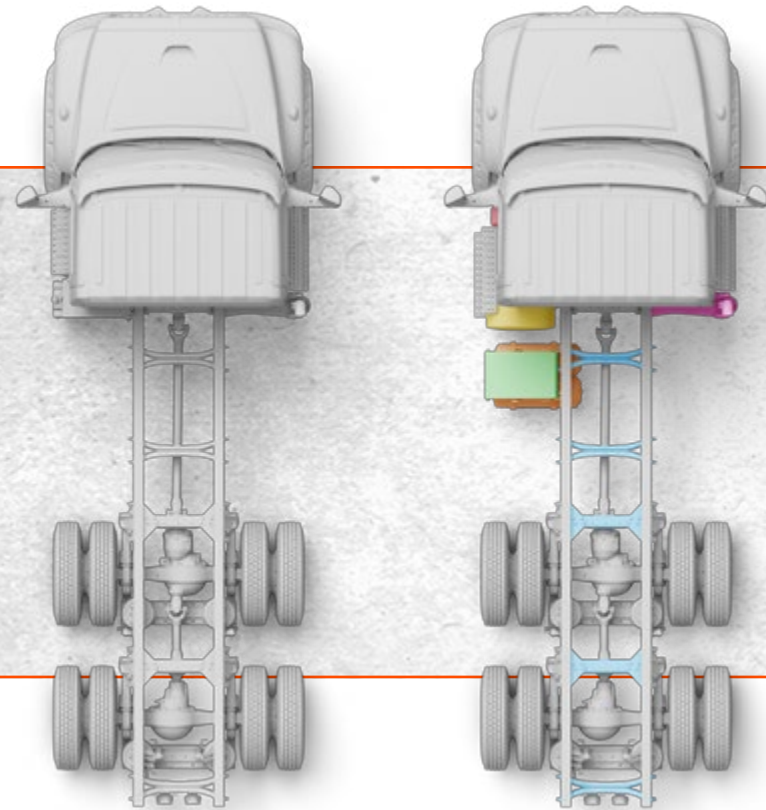
DIAMOND LOGIC BUILDER

HV[™] Series customers have the ability to write custom logic so Diamond Logic can be easily expanded, configured and updated in the field to meet specific application requirements.





FIT TO BE UPFITTED.

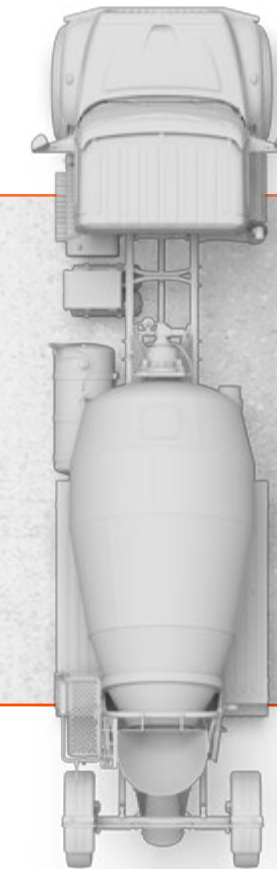
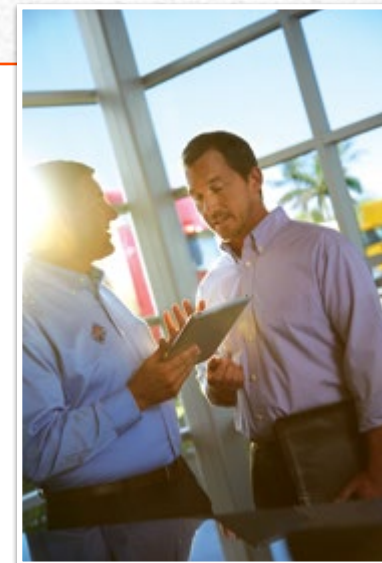


The International® HV™ Series provides the ideal foundation for an almost unlimited number of applications. This is the result of our extensive experience working directly with customers as well as our unsurpassed engineering capabilities. Ordering the specific foundation needed for your application upfront substantially reduces time and expense upfitting the vehicle post-production.

Every HV Series starts with a Huck® Bolted frame and cross member system to deliver maximum vocational durability as well as a number of frame rail options. Plus, air tank installations can be mounted between the frame rails, freeing up space for other equipment. The HV Series is also available with a clean Cab-to-Axle (CA) configuration to minimize costly post-production modifications. In addition, a new 20,000 lb. off-set bowl front drive axle allows for a lower ride height than a traditional center bowl.

International Truck Specialty Centers provide quick, efficient and cost-effective customization:

- ▶ Modifications covered under manufacturer's warranty
- ▶ Process supervised by International engineers to ensure factory production-level quality
- ▶ Expertise to identify and resolve problems quickly
- ▶ Optimized delivery cycle times and comprehensive factory support



Body Company Benefits—Mixer:

- ▶ New, lighter 9L engine configuration
- ▶ Specific cross-member location to accommodate mixer PTO pump
- ▶ Factory-installed transition brackets for body mounting
- ▶ Inverted after-frame cross members for booster axle ram clearance



Body Company Benefits—Crane:

- ▶ Customized frame ladder and component locations to meet body packaging requirements
- ▶ Available integral front frame extensions
- ▶ Single 1/2", 3.35 million RBM straight frame rail provides high strength for high capacity crane applications



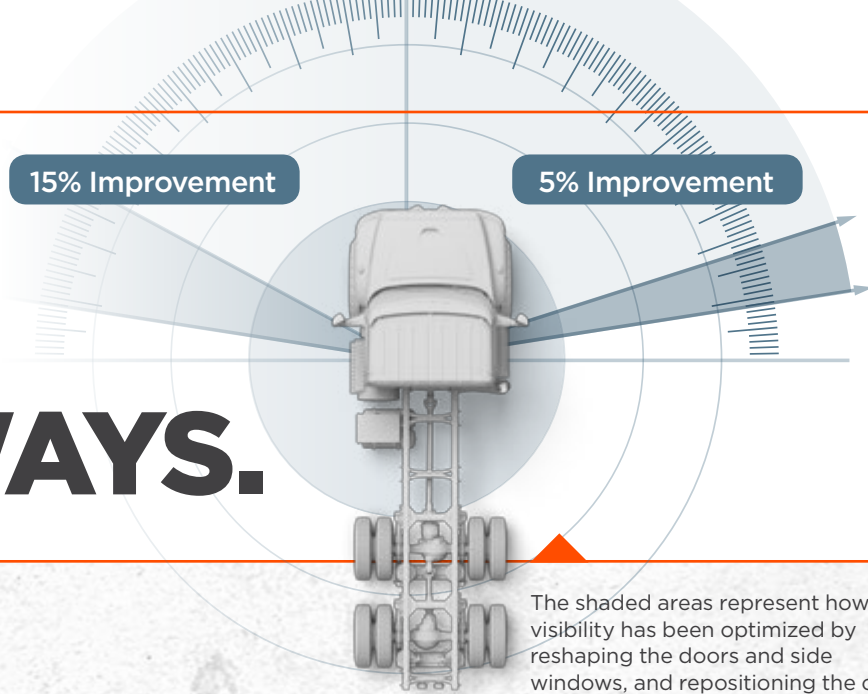
Body Company Benefits—Dump:

- ▶ Single 1/2", 3.35 million RBM straight frame rail provides high strength without added weight or risk of corrosion
- ▶ Factory installed lift axles with many customizable chassis packaging options
- ▶ Available in-cab battery box provides increased chassis packaging flexibility





SAFETY FIRST, LAST AND ALWAYS.



The shaded areas represent how visibility has been optimized by reshaping the doors and side windows, and repositioning the cab mirrors so drivers turn their heads less. This increased visibility reduces driver stress and neck strain to enhance productivity.

Traditional Hood

Sloped Hood



The available sloped hood increases forward ground visibility by nearly 90 inches. This means objects closer to the vehicle are more visible to the driver, improving safety.



The safety of drivers and occupants is a top priority on every International® truck, and the HV™ Series is no exception. Safety often comes down to seeing potential hazards and successfully avoiding them. That's why the HV Series has been engineered to provide a clear field of view with an excellent turning radius.

An optional heated windshield keeps ice and snow from collecting on the wipers, keeping them ready to go. The available air disc brakes provide shorter stops with longer lining and rotor life for less maintenance. Plus, the available electronic stability control system helps drivers maintain control during heavy braking and slick roads.



OUTSTANDING MANEUVERABILITY

With an inside wheel cut of up to 50 degrees, the HV™ Series can easily navigate tight city streets or construction sites, saving driver time, reducing work-site collisions and boosting productivity.



BENDIX® WINGMAN® ADVANCED

Available on select HV Series, the Bendix Wingman Advanced combines adaptive cruise control collision mitigation and stability technologies to help drivers potentially avoid a collision or reduce its severity by providing alerts and, if necessary, automatically applying the brakes.



INDUSTRY-LEADING HVAC

The all-new HVAC system employs advanced heating and cooling technology to deliver outstanding comfort and visibility. During testing at a frigid 0°F, the MAX defrost feature cleared 100% of the windshield in under 30 minutes from start-up — quicker than any competitor measured.





INTERNATIONAL[®] A26[™]

DISPLACEMENT | HORSEPOWER | TORQUE lb.-ft.
12.4L | 370-475 | 1350-1700

ENGINEERED WITH UPTIME IN ITS DNA.

THE A26 IS AN EFFICIENT AND POWERFUL WORKHORSE DESIGNED FOR THE TOUGHEST VOCATIONAL APPLICATIONS.

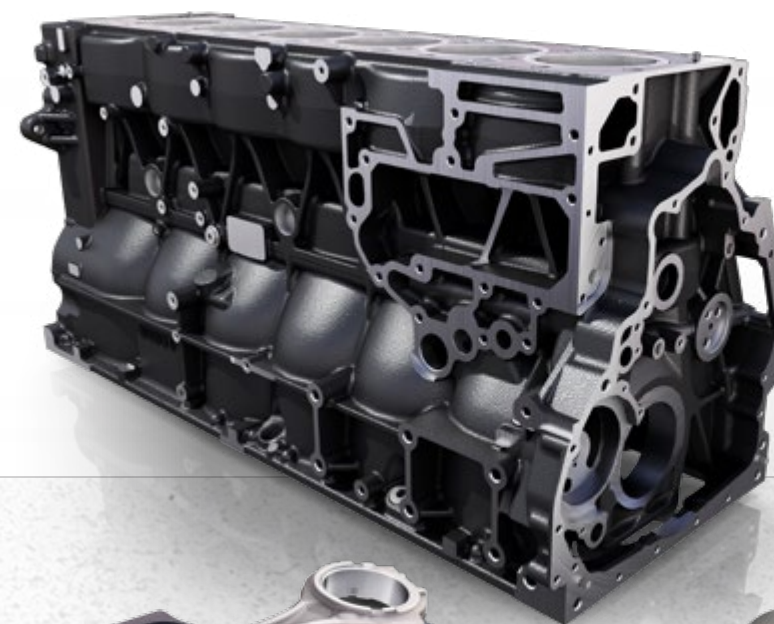
The big bore International A26 was engineered to set a new standard in uptime, fuel efficiency and quiet operation. Producing up to 475 HP and 1,700 lb.-ft. of torque in the HV[™] Series, this 12.4L diesel includes a Variable Geometry Turbocharger (VGT) with a titanium compressor wheel for superior longevity versus aluminum designs. The A26 is also backed by the industry's best warranty and is the first engine to meet the B10 standard that requires 90% of delivered engines to travel 1,200,000 miles before a major repair.

Technical Specifications

Engine Type	Diesel, 4-Cycle
Configuration	Inline 6-Cylinder
Displacement	12.4 L (758 cu. in.)
Bore & Stroke	4.96 in. & 6.54 in. (126 mm & 166 mm)
Compression Ratio	18.5:1
Aspiration	Variable Geometry Turbocharger with Charge Air Cooler
Combustion System	2500 bar High Pressure Common Rail
Engine Lubrication	42 Quarts (40 L)
Total Engine Weight (Dry)	2,299 lbs. (1099 kg)
Valves	4 Valves Per Cylinder, Single Overhead Camshaft
B10 Design Life	1,200,000 mi (1,931,000 km)

A26

The **crankcase** is constructed with North America's first big bore Compacted Graphite Iron (CGI) design for 75% higher tensile strength and 45% greater stiffness while reducing weight, noise and vibration.



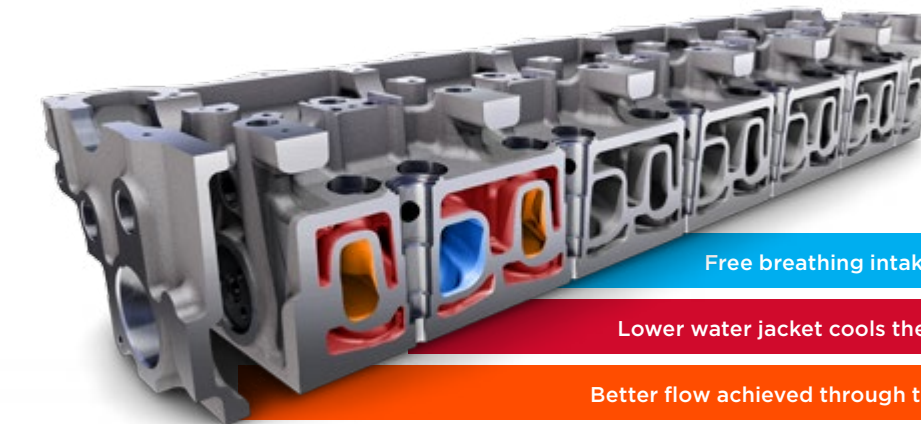
Pistons are engineered with a low-friction skirt coating and advanced piston ring geometry to reduce parasitic losses and enhance fuel economy.



The **single stage EGR cooler** is constructed of laser-welded stainless steel to deliver proven reliability and performance in a compact, easy-to-service design.



Gear teeth are produced using an innovative grinding process for smoother, harder and quieter gear surfaces.



Free breathing intake port geometry

Lower water jacket cools the flame deck first

Better flow achieved through the exhaust ports

ALL-NEW CYLINDER HEAD

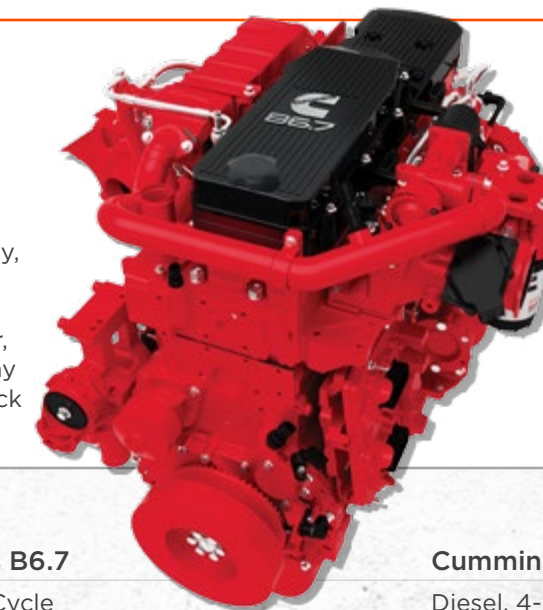
The innovative A26[™] cylinder head achieves the perfect balance between optimal weight, strength, cooling and breathing:

- ▶ Innovative gray iron material offers the high strength and thermal conductivity needed for advanced breathing and cooling
- ▶ Extensive computer modeling and analysis optimizes port flow geometry to substantially reduce air restriction, helping the engine breathe more consistently from cylinder to cylinder for increased fuel efficiency
- ▶ New water jacket geometry ensures that more coolant flows to the hottest areas of the cylinder head that need it most, with less restrictive flow that reduces parasitic loss to the water pump for improved fuel economy





A CHOICE OF PROVEN PERFORMERS.



Cummins® B6.7 (200-360* HP)

Every aspect of the B6.7 has been engineered for reliability, durability and fuel efficiency to deliver the lowest cost of ownership with maximum uptime. Add industry-leading service from International® and Cummins, plus a two-year, unlimited mileage engine warranty, and it's easy to see why the B6.7 is the best-selling engine in the medium-duty truck market

Specifications	Cummins B6.7	Cummins L9
Engine Type:	Diesel, 4-Cycle	Diesel, 4-Cycle
Configuration:	Inline 6-Cylinder	Inline 6-Cylinder
Displacement:	409 cu. in. (6.7L)	543 cu. in. (8.9L)
Bore and Stroke:	4.21 X 4.88 in	4.49 X 5.69 in
Aspiration:	Variable Geometry Turbocharger	Variable Geometry Turbocharger
Combustion System:	Direct Injection	Direct Injection
Engine Lubrication:	15L	15L
Total Engine Weight (Dry):	1,150 lbs.	1,695 lbs

Cummins® L9 (260-450* HP)

The Cummins L9 has established a solid reputation as a dependable engine for medium duty applications. Its XPI Fuel System features multiple injection events per cycle for smoother, quieter operation. This, combined with its proprietary Variable Geometry Turbocharger (VGT), means the L9 has the highest power density of any engine in its class. In addition, replaceable wet liners help make the L9 easier and less expensive to rebuild, plus heavy-duty roller followers, bypass oil filtration and targeted piston cooling all contribute to longer service life.



* Higher ratings limited to Fire and Rescue applications





DESIGNED FOR DRIVERS IN THE TOUGHEST APPLICATIONS – YOURS.



HV™ SERIES SPECIFICATIONS.



HV507 REGULAR CAB



HV507 EXTENDED CAB

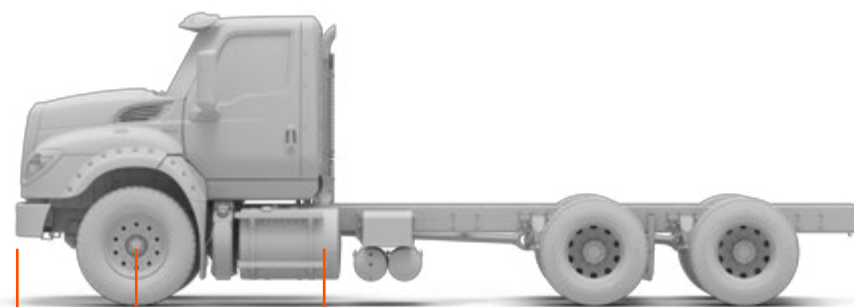
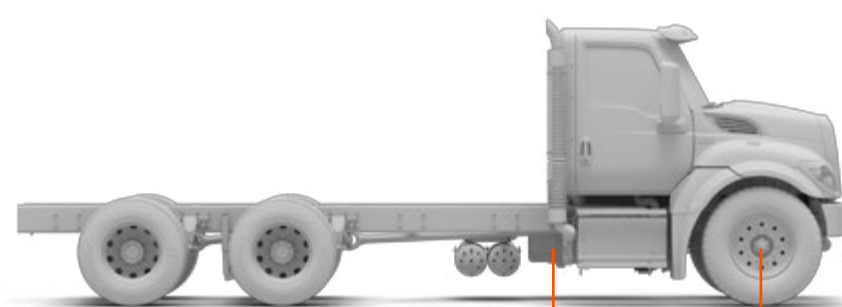


HV507 CREW CAB

HV507 =

Model Nomenclature Key			
Model Designation	Axle Configuration	BBC in inches	
HV	5 = Set-Forward	07	13
	6 = Set-Back	07	13

= HV with set-forward axle and a 107" BBC



Configuration	Model	Axles
Set-Forward Axle	HV507	4X2
		4X4
		6X4
		6X6
	HV513	4X2
		6X4

Configuration	Model	Axles
Set-Back Axle	HV607	4X2
		6X4
		4X2
	HV613	6X4
		8X6
		8X6

GVW

- ▶ 4x2: 51,000 – 53,000 lbs.
- ▶ 4x4: 50,000 lbs.
- ▶ 6x4: 68,000 – 74,000 lbs.
- ▶ 6x6: 66,000 lbs.
- ▶ 8x6: 73,000 lbs.

Models/BBC/BA

- ▶ HV507: 107" BBC, 32.4" BA
- ▶ HV513: 113" BBC, 29.5" BA (45.9" BA Tridem)
- ▶ HV607: 107" BBC, 40.3" BA
- ▶ HV613: 113" BBC / 45.9" BA

Wheelbase Options

- ▶ 107" – 340"

Axle Configurations

- ▶ 4x2
- ▶ 4x4 (HV507, HV513)
- ▶ 6x4
- ▶ 6x6 (HV507, HV513)
- ▶ 8x6 Tridem (HV513, HV613)

Front Axle

- ▶ Dana Spicer
 - Non-Driving: 10,000 – 22,000 lbs.
- ▶ Meritor
 - Non-Driving: 10,000 – 22,000 lbs.
 - Driving: 10,000 – 18,000 lbs. (HV507, HV513)
- ▶ Fabco
 - Driving: 10,000 – 21,000 lbs. (HV507, HV513)

Rear Axle

- ▶ SINGLE REAR AXLE (4x2)
 - Meritor
 - Single Reduction: 17,000 – 30,000 lbs.
 - Double Reduction: 26,000 – 38,000* lbs.
 - Two-Speed: 21,000 – 23,000 lbs.
 - Dana Spicer
 - Single Reduction: 17,500 – 31,000 lbs.
 - Two-Speed: 19,000 – 23,000* lbs.
- ▶ TANDEM REAR AXLE (6x4)
 - Meritor:
 - Single Reduction: 34,000 – 52,000 lbs.
 - Dana Spicer:
 - Single Reduction: 46,000 lbs.
- ▶ TRIDEM REAR AXLE (HV613)
 - Meritor:
 - Single Reduction: 53,000 lbs.

Front Suspension

- ▶ Spring Multileaf: 14,000 – 20,000 lbs.
- ▶ Parabolic Taperleaf: 8,000 – 23,000 lbs.

Rear Suspension

- ▶ Chalmers: 23,000 – 52,000 lbs.
- ▶ Hendrickson
 - RT: 34,000 – 52,000 lbs.
 - HAS: 23,000* – 46,000 lbs.
 - HMX: 40,000 – 46,000 lbs.
 - PRIMAAX: 20,000 – 46,000 lbs., 69,000 lbs. (Tridem)
- ▶ Link: 46,000 lbs.
- ▶ International: 20,000 – 40,000* lbs.

Frames

- ▶ Heat Treated Alloy Steel 120,000 PSI
- ▶ 11.25" x .5" Super Single Rail

Electrical System

- ▶ ALTERNATORS
 - Bosch: 12 Volt, 160 – 200 Amp
 - Leece-Neville: 12 Volt, 160 – 325 Amp
 - Delco Remy: 12 Volt, 165 – 240 Amp
- ▶ BATTERY SYSTEMS
 - JCI: 12 Volt 1400 – 2100 CCA
 - Fleetrite®: 12 Volt 1320 – 3800 CCA
 - Deka: 12 Volt 2775 CCA

Exhaust System

- ▶ Single canister after-treatment device
- ▶ Frame Mounted Right Side, Back of Cab or Under Cab
- ▶ Short Horizontal Tailpipe
- ▶ Single Vertical Tailpipe, Right Side Back of Cab

Brakes

- ▶ Air Drum Brakes with ABS, Optional Traction Control, Optional Electronic Stability Program with Traction Control
- ▶ Air Disc Brakes

Power Steering

- ▶ Single Power
- ▶ Dual Power on Front Axle 16,000 lbs. and Above

Engines

- ▶ Cummins® B6.7: Up to 360 hp, 800 lb. – ft. of Torque** (HV507, HV607)
- ▶ Cummins® L9: Up to 450 hp, 1250 lb. – ft. of Torque** (HV507, HV607)
- ▶ International® A26™: Up to 475 hp, 1700 lb. – ft. of torque (HV513, HV613)

Transmissions

- ▶ Eaton® Fuller: 6-, 10-, 11-, 13-, 15-Speed Manual
- ▶ Eaton UltraShift+®: 10-, 11-, 13-, 18-Speed Automated Manual
- ▶ Eaton Fuller Advantage™ Series: 10-speed Automated Manual
- ▶ Allison: 3000, 4000 Series (HS*, EVS, RDS) Automatic

Fuel Tanks

- ▶ 40 – 120 Gallons, Single or Dual, Non-Polished or Polished Aluminum, Mounted Right or Left Side Under Cab

Tires

- ▶ Continental, Michelin, Goodyear, Bridgestone

Specifications apply to HV Series as a whole. Individual model specification restrictions apply. Please see model spec cards for model-specific specifications.

- * Application restriction
- ** Higher ratings available for fire and rescue applications





OnCommand[®] Connection

ONCOMMAND[®] CONNECTION. ALL MAKES. ALL MODELS.

CONNECT YOUR ENTIRE FLEET THROUGH A SINGLE PORTAL.

If your fleet includes more than one truck make and model, chances are you're using more than one remote diagnostic system to help monitor and manage the health of your vehicles. That's the genius of OnCommand[®] Connection. It's the first and only all-makes diagnostic system that enhances your uptime by efficiently and accurately monitoring all the trucks in your fleet in real time.

ONCOMMAND CONNECTION HELPS YOU:

- ▶ Monitor and manage the hundreds of fault codes in all your trucks
- ▶ Connect your fleet with service centers and manufacturers
- ▶ Comply with safety standards by taking action on critical faults
- ▶ Make informed choices to manage your fleet for maximum productivity

ONCOMMAND CONNECTION HAS THE CAPABILITIES TO:

- ▶ Diagnose your entire fleet wherever it may be
- ▶ Get action plans for more than 18,000 engine and vehicle faults
- ▶ Prioritize needed repairs while avoiding unnecessary service visits



Use OnCommand Connection to proactively identify potential problems, control maintenance, lower repair costs and maximize uptime.

REMOTE DIAGNOSTICS FOR ALL MAKES OF VEHICLES.



ALL THE TOOLS YOU NEED AT YOUR FINGERTIPS

OnCommand[®] Connection is designed to keep your vehicles moving and your profits rising through powerful features such as **interactive mapping, engineer-designed action plans and access to your online portal** through your preferred interface – computer, tablet, smartphone or email.



Reduce en route events by proactively scheduling maintenance and repairs



Map tools that plot truck locations, nearest dealers, hotels and local towing providers



Generate real-time comprehensive vehicle health reports



Understand fault codes quickly and easily with descriptions in plain English



Gain more insight with fault code action plans that provide severity information and recommend solutions





NAVISTAR
CAPITAL
a BMO Financial Group program

Navistar Capital is an industry leader in commercial vehicle financing with over 40 years of experience. We provide customized leases and secured loans with flexible structuring for International® heavy and medium duty commercial vehicles. Contact your local International Truck dealer for more information.

FLEETRITE

For more than 40 years, Fleetrite® have provided quality parts for all truck and bus makes sold exclusively at your International® Truck dealer. Every part is Navistar quality approved and is covered under a 1-year parts and labor warranty. Parts you can trust and affordability you can bank on.



WE HAVE YOUR BACK SO YOU CAN KEEP MOVING FORWARD

Your International® dealer is one of the best in the business, and a strong link in the industry's broadest, most capable parts distribution and dealer network.



DIAMOND EDGESM CERTIFIED INTERNATIONAL TRUCK DEALERS

This select network of International dealer service departments has passed rigorous parts and service certification guidelines to provide you with faster turnarounds, immediate parts availability and a higher level of servicing expertise. Their ongoing pledge is to maximize your uptime and deliver a best-in-class customer experience.

**YES, WE'RE
OPEN**

**Saturday
475+
Locations**

**Sunday
45+
Locations**

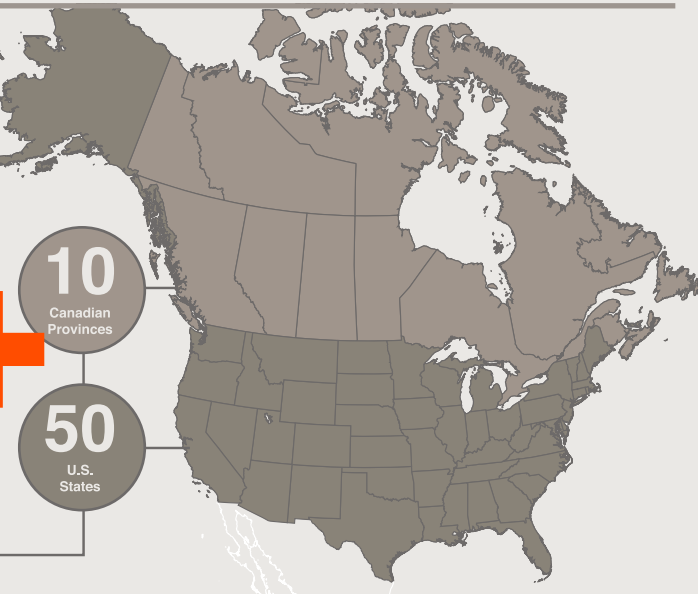
**7,600+
TECHNICIANS**



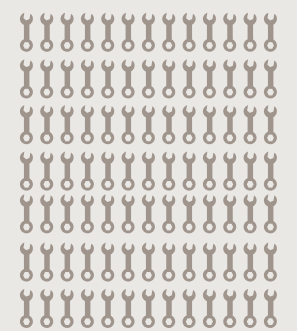
So no matter where you drive, you're not far from one of our

**700+
DEALER LOCATIONS**

Leading all competitors in



**7,400+
SERVICE BAYS**





Note: The information and conclusions contained herein are believed to be correct at time of publication, but do not necessarily apply to similar vehicles with different specifications or with production dates after the production of this publication. Vehicles with different specifications or later dates of production may yield different results. Vehicle specifications are subject to change without notice. TAD17023 09/2017 ©2017 NAVISTAR Inc. All rights reserved. All marks are trademarks of their respective owners.