

HX™ SERIES



INTERNATIONAL® HX™ SERIES.



**OUTWORK, OUTLAST.
DAY IN, DAY OUT.**





Introducing the International® HX™ Series. Four tough new models, each engineered to outwork and outlast, hour after demanding hour. The HX Series is designed to endure the most punishing of jobsites, and to look great while doing it. Not to mention providing its driver a spacious, comfortable environment for work, day in and day out. Built to sustain whatever comes its way, and extensively tested to move you to the head of the class.



HX520

HX515

HX615

HX620



HX515

Configuration: Short Hood Set-Forward Axle
Application: Truck
Engine: International® A26



PUTTING UPTIME UP FRONT

The HX™ Series is purpose-built to deliver Uptime in every aspect of its productivity, efficiency, reliability and performance. OnCommand™ Connection comes standard, offering real time data for higher driver productivity and faster maintenance. Every component has been rigorously tested and proven to meet tough environments and tougher jobsites. And you're supported by unprecedented service available at nearly 700 International® dealer locations across the U.S. and Canada.

No matter how extreme the conditions, no matter how tough your job, the HX Series has what it takes to deliver.

- ▶ The industry's only dedicated aluminum cab for severe service applications is lightweight and features riveted and bonded lap seams
- ▶ Huck-bolted frame and crossmembers for superior clamping force over time
- ▶ Available, industry-leading 12.5" x 0.5" single frame rail delivers 3.5 million RBM
- ▶ All-new 3-piece Metton hood on the HX615 and HX620
- ▶ The optimized cab suspension provides a supremely comfortable and quiet ride
- ▶ Cummins® X15 engine with up to 605 HP and 2,050 lb-ft of torque for 120" BBC models and International® A26 with up to 475 HP and 1,700 lb-ft of torque in 115" BBC models
- ▶ Available 150,000 lb. capacity center tow pin provides assured strength in extreme recovery scenarios



HX
INTERNATIONAL



HX620
Configuration: Long Hood Set-Back Axle
Application: Truck or Tractor
Engine: Cummins X15



PRO STYLE



Now you can work hard and look good while doing it. The HX™ Series is designed to turn heads, convey strength and portray professionalism.

- ▶ All-metal grille with chromed steel surround and available bright grille bars
- ▶ Available stainless-clad aluminum bumper not only looks good but is more durable and reduces weight
- ▶ Available dual external chromed air cleaners provide HD filtration and easy serviceability
- ▶ Specify even greater style and functionality with available stainless visor, bug deflector, bright cab skirts and pedestal hood mirrors
- ▶ Halogen headlamps with LED daytime running lights and turn signals



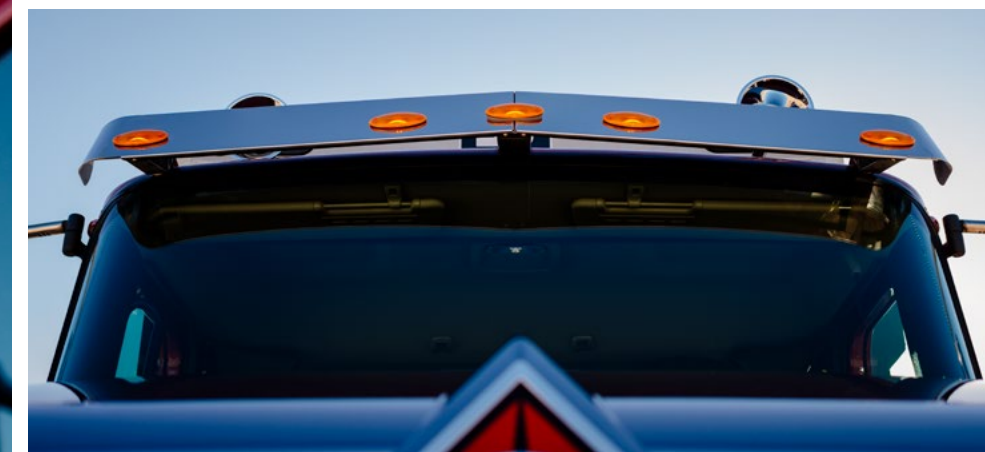
HX620
Configuration: Long Hood Set-Back Axle
Application: Truck or Tractor
Engine: Cummins® X15



▶ Bright mirrors with LED accents



▶ Available dual external air cleaners ▶ LED headlamps with DRL



▶ Available stainless steel visor



DRIVER-FOCUSED PRODUCTIVITY

HX615
Configuration: Short Hood Set-Back Axle
Application: Truck or Tractor
Engine: International® A26

Vehicle maneuverability and driver visibility are critical factors in vehicle productivity and jobsite safety. The HX™ Series has been designed with features engineered to provide superior maneuverability and unrivaled driver visibility.

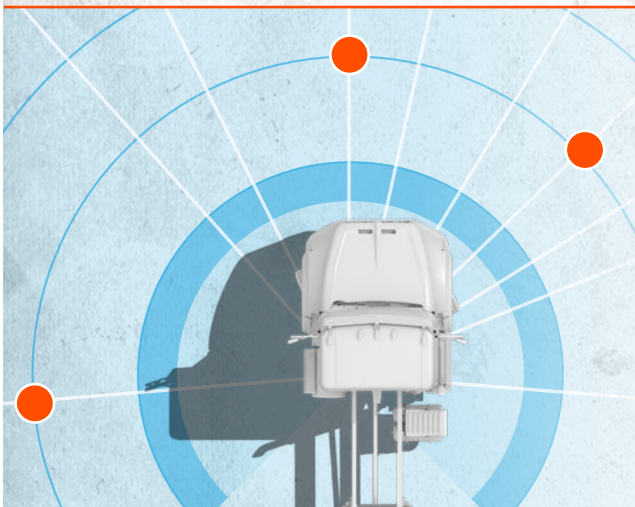
- ▶ New sloped hoods and large 1685 sq. in. windshield provide excellent sight lines
- ▶ Sculpted fenders provide improved wheel clearance
- ▶ Standard wide track front axles for greater wheel cut
- ▶ Innovative dual steering gear design for axles 16,000 lbs. and above

OUTSTANDING VISIBILITY.

The HX Series offers excellent forward visibility thanks to a low-angled hood, contoured fenders, ample side glass and a large windshield available in either 1- or 2-piece design. The rear window includes 14% more glass than our previous model.

HX615 VISIBILITY

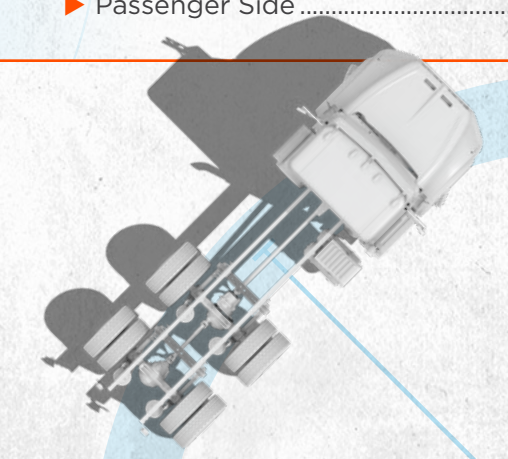
- ▶ Driver Side144"
- ▶ Forward, Straight Ahead..... 348"
- ▶ Forward, Across Hood.....382"
- ▶ Passenger Side381"



The HX Series can achieve up to a 40 degree wheel cut for both right-hand and left-hand turns when optimally equipped, thanks to an innovative dual steering gear design and standard wide-track front axles. You can maneuver through the jobsites more easily, increasing uptime and improving worker safety.

OPTIMAL MANEUVERABILITY.

- ▶ With a 40° wheel turn angle and a 232" wheelbase, the HX Series achieves a tight 35.8' curb-to-curb turning radius





The HX™ Series modern cab interior is well appointed and designed to enhance driver endurance and productivity.

- ▶ Available with Diamond level trim featuring premium woodgrain dash and door panels with stitched HX Series logos on padded door panel inserts
- ▶ Standard air conditioning, power windows and power locks
- ▶ Angled center console places key controls at easy reach
- ▶ Cup holders and standard overhead console provide convenient access and secure storage
- ▶ Interior LED lighting provides superior visibility, safer operation and longer life than conventional lighting
- ▶ New rubber flooring offers just the right amount of grip to help prevent foot slippage while still being easy to clean



THE ART AND SCIENCE OF CAB ERGONOMICS

International® Truck carefully measures drivers and their movements before designing a truck. What is learned helps designers optimize the positioning of controls and gauges, and determine the ideal location of steps and grab handles to ensure drivers are as comfortable getting into a truck as they are driving it.



- ▶ Available air disc brakes with 6-channel ABS, Traction Control and state-of-the-art Stability Control Systems ensure confidence and reduced stress under the harshest driving conditions
- ▶ Standard hydraulic clutch with manual transmissions requires only 33-35 lbs. of effort
- ▶ Standard tilt/telescoping steering column adjusts to accommodate any size driver
- ▶ Gauges are designed and positioned to deliver optimal visibility and vital information at a glance

HX™ Series offers more interior room than many competitive trucks - something anybody who works hard for a living can appreciate

Cab width at shoulders:	74.25"
Cab width at hips:	68.25"
Head room:	41"
Leg room:	23.75"
Belly room:	17.25"
Horizontal seat travel:	6"
Tilt wheel range:	28°



- ▶ Contoured door panels add hip room and storage space
- ▶ Intuitively positioned gauges



GET YOUR HANDS ON A REAL DRIVER'S TRUCK





WORK HARD. REST EASY.

NOTHING FEELS BETTER AFTER A HARD DAY'S WORK THAN A PEACEFUL NIGHT'S REST. THE HX™ SERIES SLEEPER CAB PROVIDES DRIVERS WITH A COMFORTABLE AND SPACIOUS HOME WHERE THEY CAN KICK BACK, RELAX, AND CATCH UP ON SOME Z'S. BECAUSE WHEN DAWN BREAKS, THEY NEED TO BE READY TO GET BACK TO WORK — JUST LIKE ALWAYS.

HX SERIES SLEEPER CAB FEATURES

- ▶ Available cabinet foot locker storage for entertainment storage including a tie down and power source
- ▶ Control panel located at head of bunk for blower speed, temperature controls, winter/summer selector switch, roof light switch, radio volume and balance controls, 12-volt power source
- ▶ 37" lift-up bunk with latch and lighting
- ▶ Inner spring mattress for lower bunk
- ▶ Available insulated sleeper compartment curtain
- ▶ Two exterior lockers for access to luggage within the sleeper
- ▶ Available windshield curtain for privacy





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 HX[™] 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



Free breathing intake port geometry

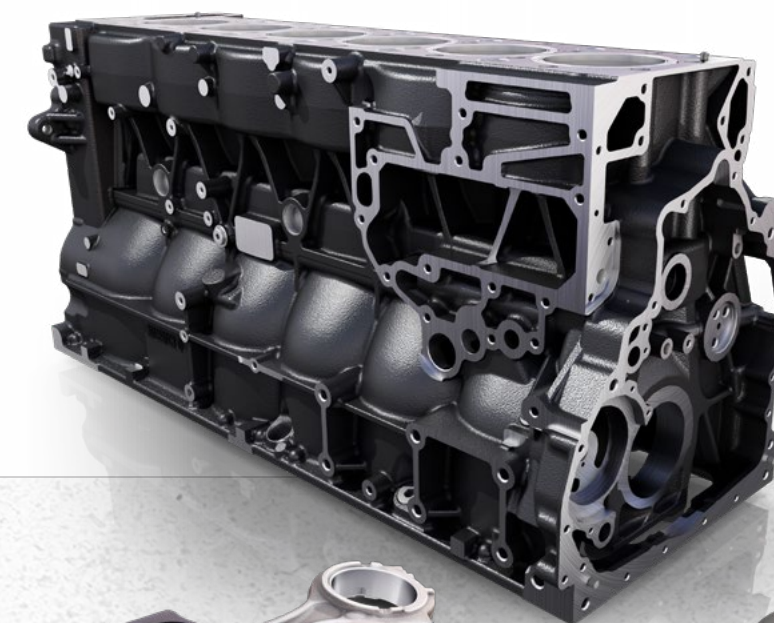
Lower water jacket cools the flame deck first

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



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.



Horsepower [BHP @ RPM]	370 @ 1,700	390 @ 1,700	410 @ 1,700	430 @ 1,700	450 @ 1,700	475 @ 1,700*
Torque [LB-FT @ RPM]	1,350 @ 1,000	1,450 @ 1,000	1,450 @ 1,000	1,550 @ 1,000	1,700 @ 1,000	1,700 @ 1,000
Gov. Speed [RPM]	2,100	2,100	2,100	2,100	2,100	2,100
Clutch Engagement [LB-FT @ RPM]	770 @ 800	811 @ 800	828 @ 800	868 @ 800	868 @ 800	959 @ 800

*HX615 only

Horsepower [BHP @ RPM]	450 @ 1,800	455 @ 1,800	500 @ 1,800	500 @ 1,800	550 @ 2,000	550 @ 2,000	605 @ 1,950
Torque [LB-FT @ RPM]	1,650 @ 1,000	1,650 @ 1,200	1,650 @ 1,200	1,850 @ 1,200	1,850 @ 1,200	2,050 @ 1,200	2,050 @ 1,150
Gov. Speed [RPM]	1,800	2,000	2,000	2,000	2,000	2,000	2,000
Clutch Engagement [LB-FT @ RPM]	1,000 @ 800	1,000 @ 800	1,000 @ 800	1,000 @ 800	1,000 @ 800	1,000 @ 800	1,000 @ 800

INTERNATIONAL® A26

DEPENDABLE
POWER FOR
HX515 AND HX615
MODELS

The new International® A26 is engineered with proven components that deliver optimal uptime and fuel efficiency in a lightweight design.

This big bore engine has been relentlessly tested with hundreds of thousands of hours of dyno testing and millions of real-world test miles.

The A26 produces up to 475 HP and 1700 lb.-ft. of torque, yet is the lightest engine in its class.



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	17:1
Aspiration	Dual Stage Series Turbochargers, Intercooler & Aftercooler
Combustion System	Direct Injection
Engine Lubrication	42 Quarts (40 L)
Total Engine Weight (Dry)	2,422 lbs (1099 kg)
Valves	4 Valves Per Cylinder, Single Overhead Camshaft
B10 Design Life	1,200,000 mi (1,931,000 km)

The Cummins® X15 is one of the most popular heavy-duty engines in North America, for good reason. With horsepower ratings up to 605 HP and 2,050 lb-ft of torque, the X15 delivers relentless performance. This power comes with plenty of efficiency, too, thanks to an XPI fuel system that gets the most out of every drop of fuel. With a standard engine brake and the power your workload demands, the X15 has what it takes to get the job done.



Engine Type	Diesel, 4-Cycle
Configuration	Inline 6-Cylinder
Displacement	14.9 L (912 cu. in.)
Bore & Stroke	5.39 in. & 6.65 in. (137mm & 169mm)
Compression Ratio	18.9:1
Aspiration	Variable Geometry Turbocharger
Combustion System	Direct Injection XPI Fuel System
Engine Lubrication	56 Quarts (53 L)
Total Engine Weight (Dry)	3,186 lbs. (1,445 kg)
Valves	4 Valves per Cylinder, Single Overhead Camshaft
B50 Design Life	1,000,000 mi (1,609,000 km)

CUMMINS® X15

PROVEN MUSCLE
FOR HX520 AND
HX620 MODELS





AVAILABLE CONFIGURATIONS

Spec your HX™ Series with either a set-forward or set-back front axle in either a short or long hood depending on the application. Applications range from bridge formula mixers or construction dumps to heavy haul tridem tractors or refuse roll-off chassis. Whether your job requires a truck to meet stringent bridge laws, haul 30,000 lbs. of backfill through a tight jobsite, or transport a 140,000 lb. wheel loader to a remote mining site, we can build the ideal HX Series truck or tractor to optimize your operation.

HX520	HX515	HX615	HX620
<p>120" BBC Set-Forward Axle Truck or Tractor</p> <p>Primary Vocations:</p> <ul style="list-style-type: none"> Heavy Haul Tractor Construction Dump Logging Recovery <p>Key Features:</p> <ul style="list-style-type: none"> Powerful 15L Cummins® X15 power up to 605 HP / 2,050 lb.-ft. torque Excellent bridge formula chassis Available 0.5", 3.5 million RBM single rail frame Available 150,000 lb. Tow Pin Available dual external air cleaners for HD filtration 	<p>114" BBC Set-Forward Axle Straight Truck</p> <p>Primary Vocations:</p> <ul style="list-style-type: none"> Concrete Mixer Construction Dump Refuse/Roll-off Crane <p>Key Features:</p> <ul style="list-style-type: none"> Lightweight efficient International® A26 up to 470 HP / 1,700 lb.-ft. torque Available 0.5", 3.5 million RBM single rail frame Available transition plate at BOC for efficient mixer mounting Available asymmetrical front spring packs for mixers or plows Available FEPTO or REPTO with in-cab access hatch for convenient maintenance Standard stationary grille 	<p>115" BBC Set-Back Axle Truck or Tractor</p> <p>Primary Vocations:</p> <ul style="list-style-type: none"> Construction Dump Concrete Mixer Platform Stake/Crane Refuse/Roll-off <p>Key Features:</p> <ul style="list-style-type: none"> Lightweight efficient International® A26 up to 475 HP / 1,700 lb.-ft. torque Available 0.5", 3.5 million RBM single rail frame Available asymmetrical front spring packs for mixers or plows Available REPTO with in-cab access hatch for convenient maintenance Available 150,000 lb. Tow Pin 	<p>119" BBC Set-Back Axle Truck or Tractor</p> <p>Primary Vocations:</p> <ul style="list-style-type: none"> Heavy Haul Tractor Construction Dump Platform Stake/Crane <p>Key Features:</p> <ul style="list-style-type: none"> Powerful 15L Cummins® X15 power up to 605 HP / 2,050 lb.-ft. torque Available 0.5", 3.5 million RBM single rail frame Available 150,000 lb. Tow Pin Front axles up to 22K Tandem rear axles up to 70K and Tridems to 69K Available dual external air cleaners for HD filtration



HX SERIES SPECIFICATIONS

GVWR

- ▶ 52,000 – 92,000 lbs.

Models

- ▶ HX515 114" BBC, Set-Forward Front Axle Truck
- ▶ HX615 115" BBC, Set-Back Front Axle Truck or Tractor
- ▶ HX520 120" BBC, Set-Forward Front Axle Truck or Tractor
- ▶ HX620 119" BBC, Set-Back Front Axle Truck or Tractor

Axle Configurations

- ▶ 6x4
- ▶ 8x6

Cab Configurations

- ▶ Day Cab
- ▶ Low-Roof Sleeper Cab
- ▶ Hi-Rise Sleeper Cab

Heat Treated Alloy Steel 120,000 PSI Frames

- ▶ Single Rail
 - 3/8": 10.25"x3.61"x0.375": 2,037,600 RBM
 - 3/8": 12.25"x3.375"x0.375": 2,311,000 RBM
 - 1/2": 12.5"x3.750"x0.5": 3,536,400 RBM
- ▶ Double Rail
 - 5/16"+ 5/16": 10.875"x3.893x0.625": 3,580,800 RBM
 - 3/8"+ 5/16": 13.025"x3.687"x0.6875": 4,450,000 RBM

Engines

- ▶ International A26 12.4L
 - HX515 / HX615
 - 370 – 475 HP*
 - 1,350 – 1,700 lb.-ft.*
- ▶ Cummins X15 15L
 - HX520 / HX620
 - 450 – 605 HP
 - 1,650 – 2050 lb.-ft.

Transmissions

- ▶ Eaton Manual: 8LL, 9ALL, 10, 13, 15, 18-speed
- ▶ Eaton Automated: UltraShift®+ 8LL, 9ALL, 18-speed
- ▶ Allison Automatic: 4000 Series RDS, EVS, OFS

Clutch

- ▶ Standard: Hydraulic with Air Assist

Power Take Off

- ▶ Front Engine PTO (FEPTO) HX515
- ▶ Rear Engine PTO (REPTO) HX515 / HX615

Front Axles (Wide Track)

- ▶ HX515 / HX520
 - Dana: 16,000 – 20,000 lbs.
 - Meritor: 12,000 – 20,000 lbs.
- ▶ HX615 / HX620 SBA
 - Dana: 16,000 – 22,000 lbs.
 - Meritor: 13,200 – 22,000 lbs.

Front Suspensions

- ▶ HX515 / HX520 SFA
 - Multi-leaf: 20,000 lbs.
 - Parabolic Taper-leaf: 12,000 – 20,000 lbs.
- ▶ HX615 / HX620 SBA
 - Multi-leaf: 14,000 – 23,000 lbs.
 - Parabolic Taper-leaf: 12,000 – 20,000 lbs.
 - Slipper-Type: 20,000 – 24,000 lbs.

Rear Axles

- ▶ Tandem Rear Axles
 - Dana: 40,000 – 46,000 lbs. Single and Two Speed
 - Meritor: 40,000 – 70,000 lbs. Single and Double Reduction
- ▶ Tridem Rear Axles
 - Meritor: 53,000 lbs.

Rear Suspensions

- ▶ Spring Suspensions
 - Chalmers: 40,000 – 52,000 lbs.
 - Hendrickson HMX: 40,000 - 46,000 lbs
 - Hendrickson R, RS, RT: 46,000 – 80,000 lbs.
- ▶ Air Suspensions
 - Hendrickson HAS: 40,000 – 46,000 lbs. 55" and 60" spacing
 - Hendrickson PRIMAXX®: 46,000 – 52,000 lbs. 55", 60", 72" spacing
 - Hendrickson PAX Tridem: 69,000 lbs.

UPFITTING THAT WORKS FOR YOU

The HX™ Series includes a point-to-point electrical system that's designed to deliver confident performance combined with easy operation and adaptability for future modifications. The HX Series electrical system includes body controllers which will enable the future usage of remote power modules. Features include:

- ▶ Factory installation of up to 12 body integration switches
- ▶ Seamless body and chassis integration for unmatched dependability

INTERNATIONAL TRUCK SPECIALTY CENTERS provide a quick, efficient and cost-effective upfitting solution. Count on:

- ▶ Quality modifications covered under manufacturer's warranty
- ▶ Upfit process supervised by International engineers to ensure factory production-level quality
- ▶ Expertise to identify and resolve problems quickly
- ▶ A quick and efficient process ensured by optimized delivery cycle times and comprehensive factory support



FASTER ROUTINE MAINTENANCE FOR GREATER UPTIME



- ▶ Lightweight, well-balanced 3-piece hood opens easily and at as little as 31.5 lbs. of effort, is much easier to open than many competitive designs
- ▶ Convenient driver-side access under the hood for most inspection points
- ▶ Synchronized service intervals for more efficient servicing
- ▶ Translucent containers enable fluid level check at a glance
- ▶ Components such as 3-piece hood, 1-piece grille and break-away mirrors are designed to be easily replaceable to minimize downtime





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

OnCommand® Connection

REMOTE DIAGNOSTICS FOR ALL MAKES OF VEHICLES.



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



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® has 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

393

Locations

Sunday

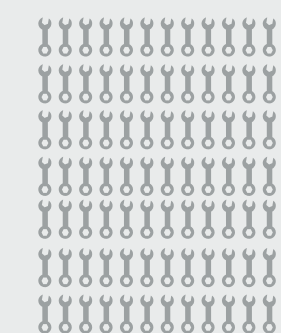
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Locations

7,500+
TECHNICIANS



7,600+
SERVICE BAYS

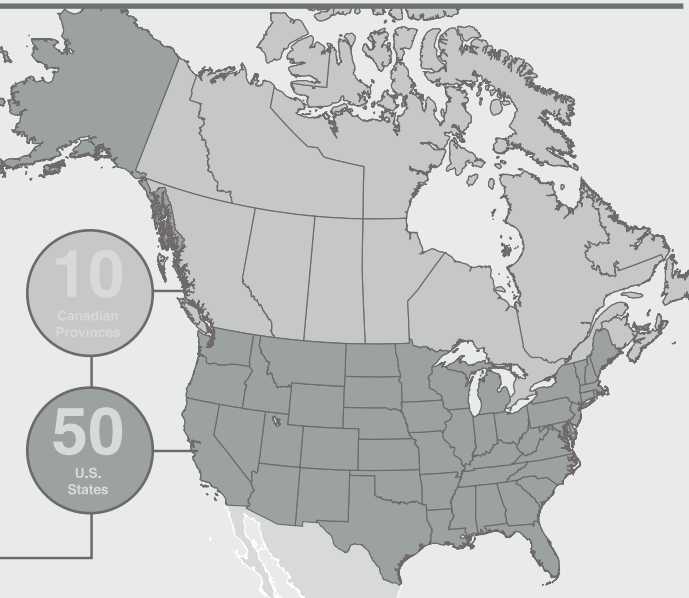


So no matter where you drive, you're not far from one of our

724

DEALER LOCATIONS

Leading all competitors in





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. TAD16008 04/2018 ©2018 NAVISTAR Inc. All rights reserved. All marks are trademarks of their respective owners.