

**HX SERIES**



INTRODUCING THE ALL NEW  
INTERNATIONAL® HX™ SERIES.





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

\* Available late 2016



HX515  
Configuration: Short Hood Set-Forward Axle  
Application: Truck  
Engine: Navistar® N13



## 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
- ▶ 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 new DriverFirst™ cab suspension for a supremely comfortable and quiet ride
- ▶ Cummins® ISX15 engine with up to 600 HP and 2,050 lb-ft of torque for 120" BBC models and Navistar® N13 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



### HX520

**Configuration:** Long Hood Set-Forward Axle  
**Application:** Truck or Tractor  
**Engine:** Cummins ISX15  
Available late 2016



**MAXIMUM STRENGTH  
FOR RELENTLESS WORK**



**WORK HARD WITH 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 to your worksite.

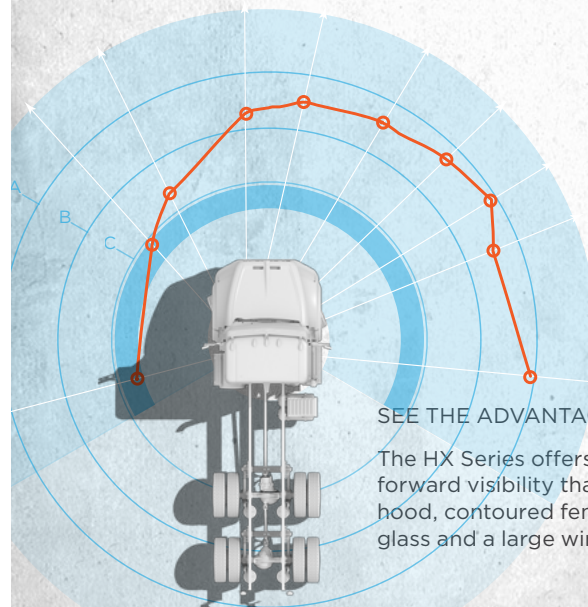
- ▶ Rugged all-metal grille with bright surround and available bright grille bars (depending on model)
- ▶ Available stainless-clad aluminum bumper
- ▶ Available dual external chromed air cleaners for heavy-duty filtration and easy serviceability
- ▶ Specify even greater style and functionality with available stainless visor, bug deflector, bright cab skirts and choice of bright mirrors with LED accent lights
- ▶ Halogen Headlamps with LED daytime running lights and turn signals



The HX Series offers a spacious, well-equipped cab interior that's designed to enhance driver productivity

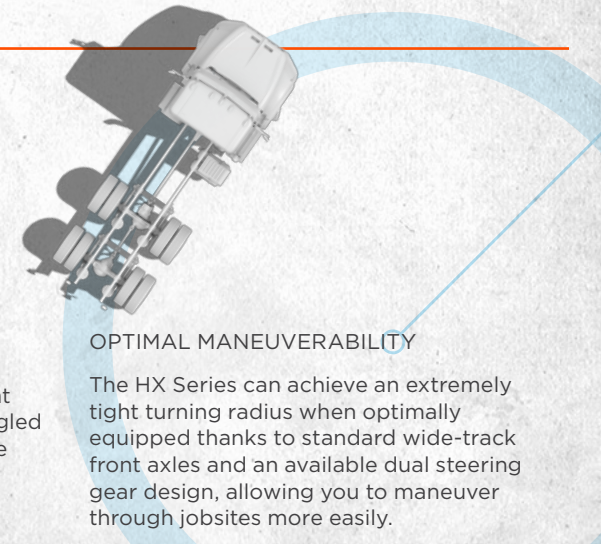
- ▶ Available with Classic or premium Diamond trim
- ▶ Standard air conditioning, power windows and power locks
- ▶ The convenience of a standard angled center console, cup holders and overhead console
- ▶ Interior LED lighting for superior visibility and safer operation

**HX620**  
 Configuration: Long Hood Set-Back Axle  
 Application: Truck or Tractor  
 Engine: Cummins® ISX15



### SEE THE ADVANTAGES

The HX Series offers impressive front forward visibility thanks to a low-angled hood, contoured fenders, ample side glass and a large windshield.



### OPTIMAL MANEUVERABILITY

The HX Series can achieve an extremely tight turning radius when optimally equipped thanks to standard wide-track front axles and an available dual steering gear design, allowing you to maneuver through jobsites more easily.



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

\*HX615 only

## NAVISTAR® N13

DEPENDABLE

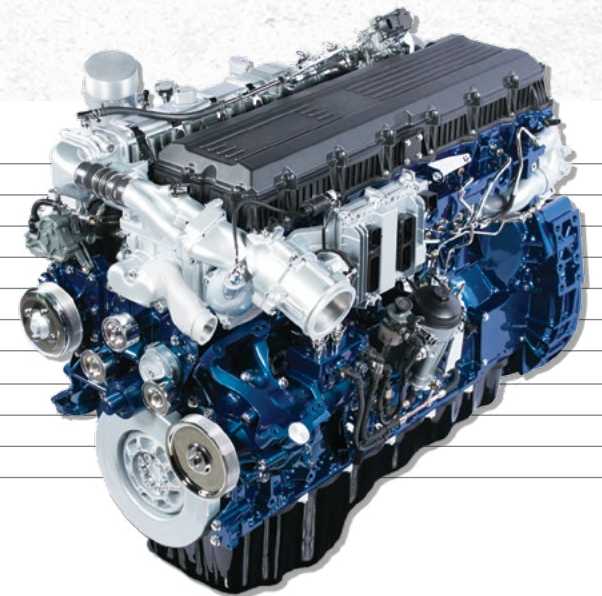
POWER FOR

HX515 AND HX615

MODELS

The Navistar N13 is designed specifically for International brand vehicles. The 2,200 bar common rail fuel system delivers outstanding fuel economy. The compacted graphite iron crankcase enables significant weight savings. Multiple fuel injection events combined with the isolated oil pan deliver a quiet and smooth operator environment. The wide range of horsepower ratings from 370 to 475 HP ensures there is an N13 to suit your business needs.

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)





<b>Horsepower [BHP @ RPM]</b>	450 @ 1,800	455 @ 1,800	500 @ 1,800	500 @ 1,800	550 @ 2,000	550 @ 2,000	600 @ 1,900
<b>Torque [LB-FT @ RPM]</b>	1,650 @ 1000	1,650 @ 1,200	1,650 @ 1,200	1,850 @ 1,200	1,850 @ 1,200	2,050 @ 1,200	2,050 @ 1,200
<b>Gov. Speed [RPM]</b>	1,800	2,000	2,000	2,000	2,000	2,000	2,000
<b>Clutch Engagement [LB-FT @ RPM]</b>	1,000 @ 800	1,000 @ 800	1,000 @ 800	1,000 @ 800	1,000 @ 800	1,000 @ 800	1,000 @ 800

The Cummins ISX15 is one of the most popular heavy-duty engines in North America, for good reason. With horsepower ratings up to 600 HP and 2,050 lb-ft of torque, the ISX 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 ISX15 has what it takes to get the job done.

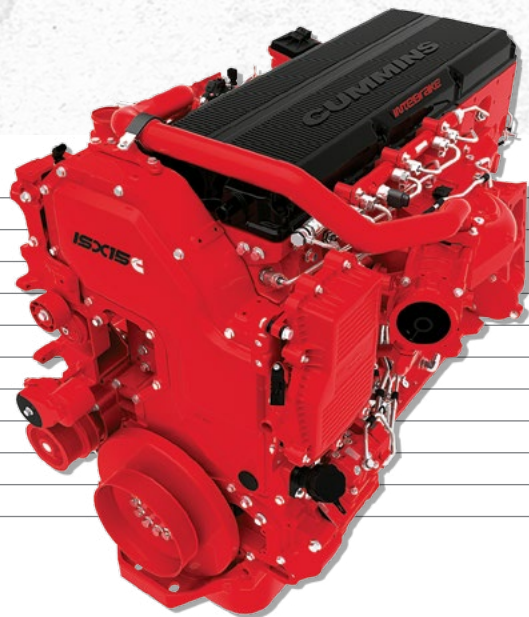
## CUMMINS® ISX15

PROVEN MUSCLE



FOR HX520 AND

HX620 MODELS



Diesel, 4-Cycle  
 Inline 6-Cylinder  
 14.9 L (912 cu. in.)  
 5.39 in. & 6.65 in. (137mm & 169mm)  
 18.9:1  
 Variable Geometry Turbocharger  
 Direct Injection XPI Fuel System  
 56 Quarts (53 L)  
 3,186 lbs. (1,445 kg)  
 4 Valves per Cylinder, Single Overhead Camshaft  
 1,000,000 mi (1,609,000 km)

**Engine Type**  
**Configuration**  
**Displacement**  
**Bore & Stroke**  
**Compression Ratio**  
**Aspiration**  
**Combustion System**  
**Engine Lubrication**  
**Total Engine Weight (Dry)**  
**Valves**  
**B50 Design Life**



# 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><b>120" BBC Set-Forward Axle Truck or Tractor</b></p> <p><b>Primary Vocations:</b></p> <ul style="list-style-type: none"> <li>▪ Heavy Haul Tractor</li> <li>▪ Construction Dump</li> <li>▪ Logging</li> <li>▪ Recovery</li> </ul> <p><b>Key Features:</b></p> <ul style="list-style-type: none"> <li>▪ Powerful 15L Cummins ISX power up to 600 HP / 2,050 lb.-ft. torque</li> <li>▪ Excellent bridge formula chassis</li> <li>▪ Available 0.5", 3.5 million RBM single rail frame</li> <li>▪ Available 150,000 lb. Tow Pin</li> <li>▪ Available dual external air cleaners for HD filtration</li> </ul>	<p><b>114" BBC Set-Forward Axle Straight Truck</b></p> <p><b>Primary Vocations:</b></p> <ul style="list-style-type: none"> <li>▪ Concrete Mixer</li> <li>▪ Construction Dump</li> <li>▪ Refuse/Roll-off</li> <li>▪ Crane</li> </ul> <p><b>Key Features:</b></p> <ul style="list-style-type: none"> <li>▪ Lightweight efficient N13 up to 430 HP / 1,550 lb.-ft. torque</li> <li>▪ Available 0.5", 3.5 million RBM single rail frame</li> <li>▪ Available transition plate at BOC for efficient mixer mounting</li> <li>▪ Available asymmetrical front spring packs for mixers or plows</li> <li>▪ Available FEPTO or REPTO with in-cab access hatch for convenient maintenance</li> <li>▪ Standard stationary grille</li> </ul>	<p><b>115" BBC Set-Back Axle Truck or Tractor</b></p> <p><b>Primary Vocations:</b></p> <ul style="list-style-type: none"> <li>▪ Construction Dump</li> <li>▪ Concrete Mixer</li> <li>▪ Platform Stake/Crane</li> <li>▪ Refuse/Roll-off</li> </ul> <p><b>Key Features:</b></p> <ul style="list-style-type: none"> <li>▪ Lightweight efficient N13 up to 475 HP / 1,700 lb.-ft. torque</li> <li>▪ Available 0.5", 3.5 million RBM single rail frame</li> <li>▪ Available asymmetrical front spring packs for mixers or plows</li> <li>▪ Available REPTO with in-cab access hatch for convenient maintenance</li> <li>▪ Available 150,000 lb. Tow Pin</li> </ul>	<p><b>119" BBC Set-Back Axle Truck or Tractor</b></p> <p><b>Primary Vocations:</b></p> <ul style="list-style-type: none"> <li>▪ Heavy Haul Tractor</li> <li>▪ Construction Dump</li> <li>▪ Platform Stake/Crane</li> </ul> <p><b>Key Features:</b></p> <ul style="list-style-type: none"> <li>▪ Powerful 15L Cummins ISX power up to 600 HP / 2,050 lb.-ft. torque</li> <li>▪ Available 0.5", 3.5 million RBM single rail frame</li> <li>▪ Available 150,000 lb. Tow Pin</li> <li>▪ Front axles up to 22K</li> <li>▪ Tandem rear axles up to 70K and Tridems to 69K</li> <li>▪ Available dual external air cleaners for HD filtration</li> </ul>



# 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

## 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

- ▶ Navistar N13 13L
  - HX515 / HX615
  - 370 – 475 HP\*
  - 1,350 – 1,700 lb.-ft.\*

\*475 HP / 1700 lb.ft. rating HX615 only

- ▶ Cummins ISX15 15L
  - HX520 / HX620
  - 450 – 600 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 lbs. 54", 60", 72", spacing
  - Hendrickson R, RS, RT: 46,000 – 80,000 lbs.
- ▶ Air Suspensions
  - Hendrickson HAS: 40,000 – 46,000 lbs. 55" and 60" spacing
  - Hendrickson PRIMAA<sup>®</sup>: 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:

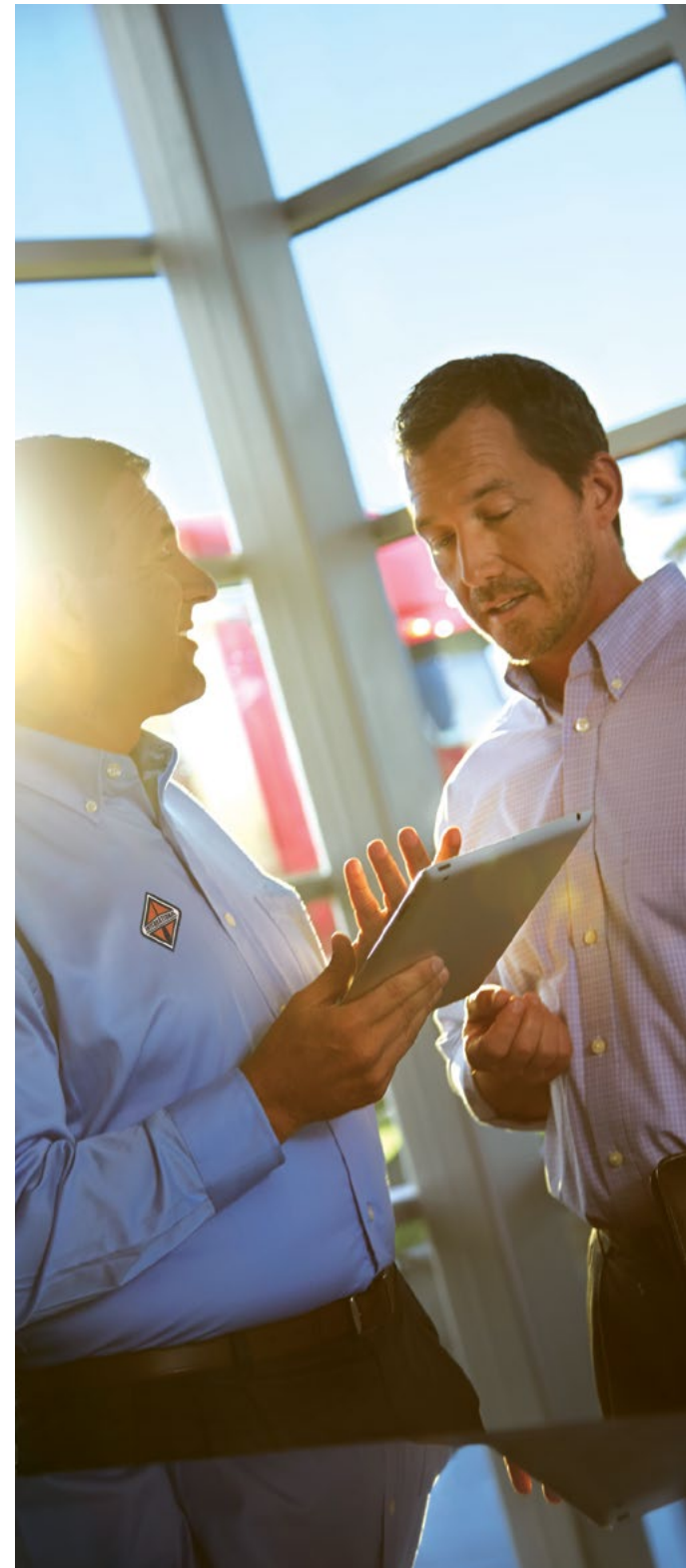
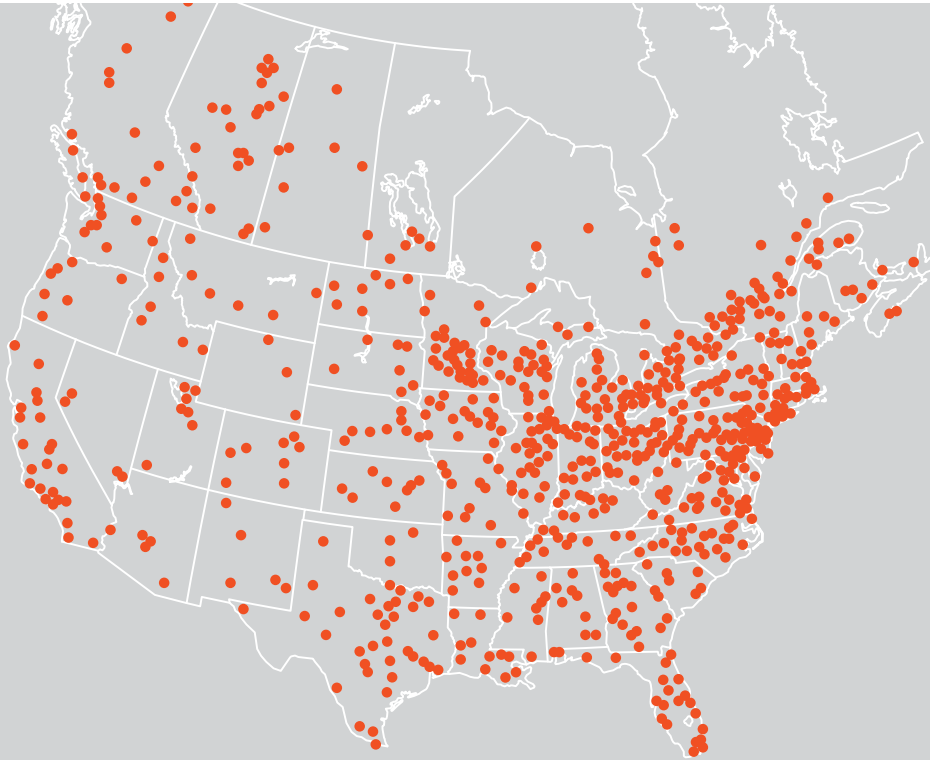
- ▶ Quality modifications covered under manufacturer's warranty
- ▶ Upfit process supervised by International engineers to ensure factory production-level quality
- ▶ Expertise to identify and resolve problems quickly
- ▶ A quick and efficient process ensured by optimized delivery cycle times and comprehensive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

# UNRIVALED SUPPORT

## WE HAVE YOUR BACK SO YOU CAN KEEP MOVING FORWARD

Your International Truck 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

- ▶ The assurance of 24/7 parts availability through 9 expansive parts distribution facilities located throughout North America
- ▶ One of the industry's most comprehensive suites of extended warranty options
- ▶ We offer extended parts and service hours – ask us for hours and details



**Note:** The information and conclusions contained 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. TAD16001 02/2016 ©2016 NAVISTAR Inc. All rights reserved. All marks are trademarks of their respective owners.