

HV™ SERIES TRUCK

PRODUCT BROCHURE



INTERNATIONAL®

HV™ SERIES TRUCK

A TRUCK THAT WORKS AS HARD AS YOU DO.

THE INTERNATIONAL® HV™ SERIES TRUCK

The new International® HV™ Series brings intelligent solutions and powerful capabilities designed to boost your productivity. Now available with the International S13® Integrated Powertrain, the HV Series is ready to take on the toughest jobs with a new level of efficiency. With four models to choose from and a platform built for easy body integration, you're sure to find an HV Series for your specific application.





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HV™ SERIES TRUCK

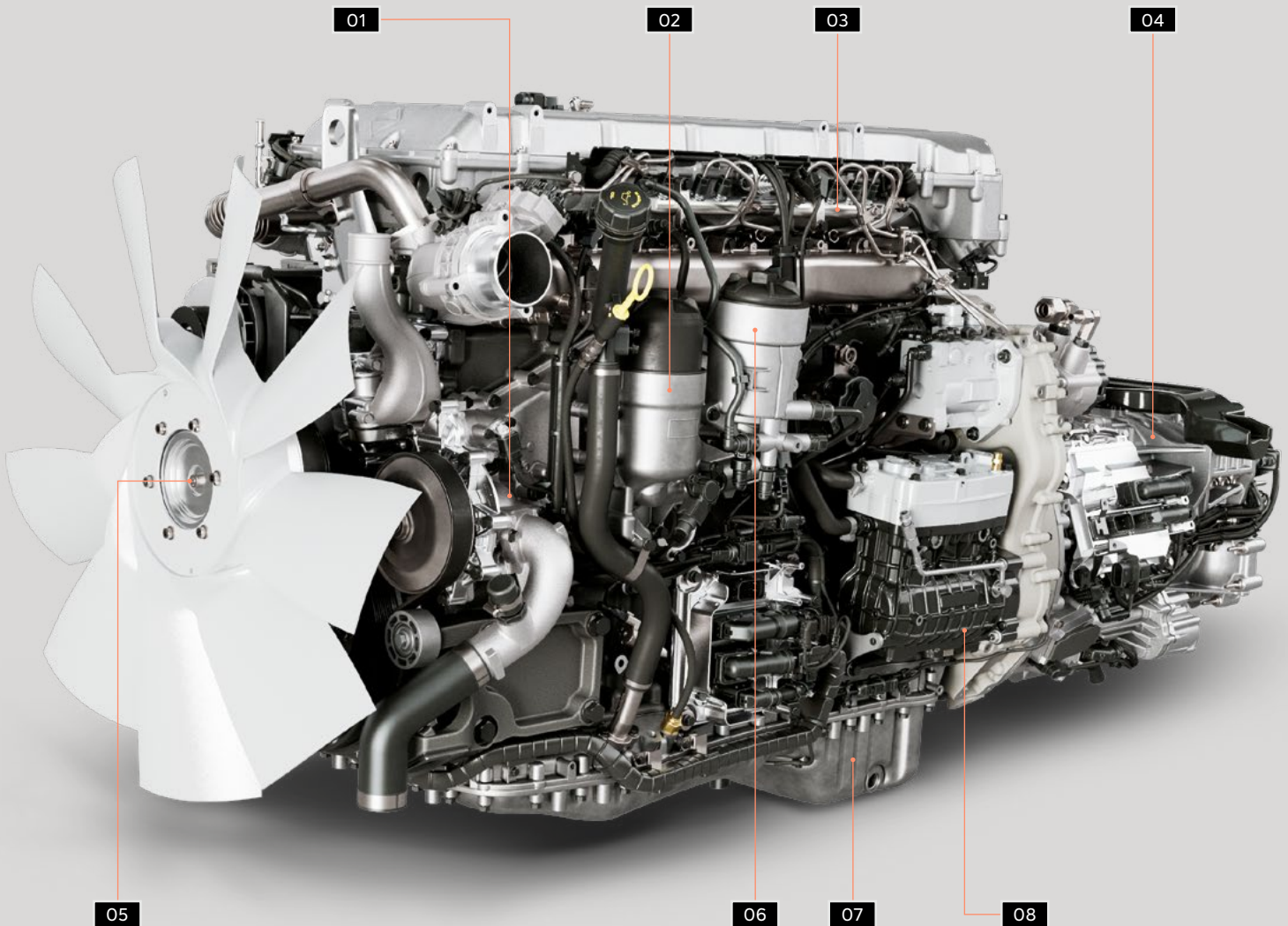
ENGINEERED FOR ANY JOB. EQUIPPED FOR ANY CHALLENGE.



Productivity often comes down to versatility and there's no more versatile foundation than the HV Series. With configurations ranging from 4x2 to 8x6, all wheel drive models (4x4 and 6x6), set forward or set-back front axles, plus clean Cab-to-Axle (CA) configurations – the HV Series has what you want for virtually every possible need.



ADVANCED. INTEGRATED. UNDISPUTED.

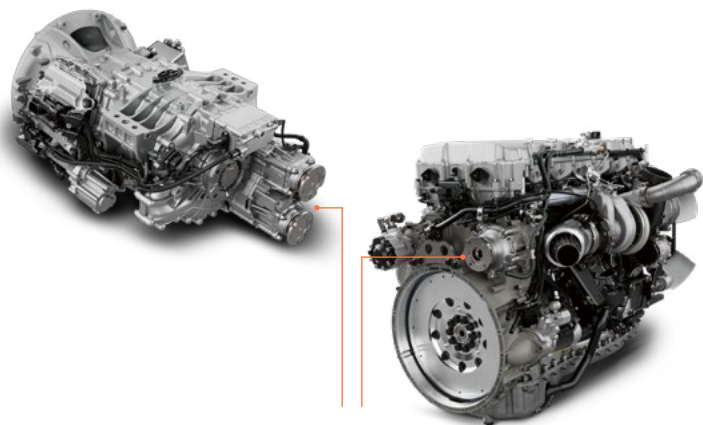
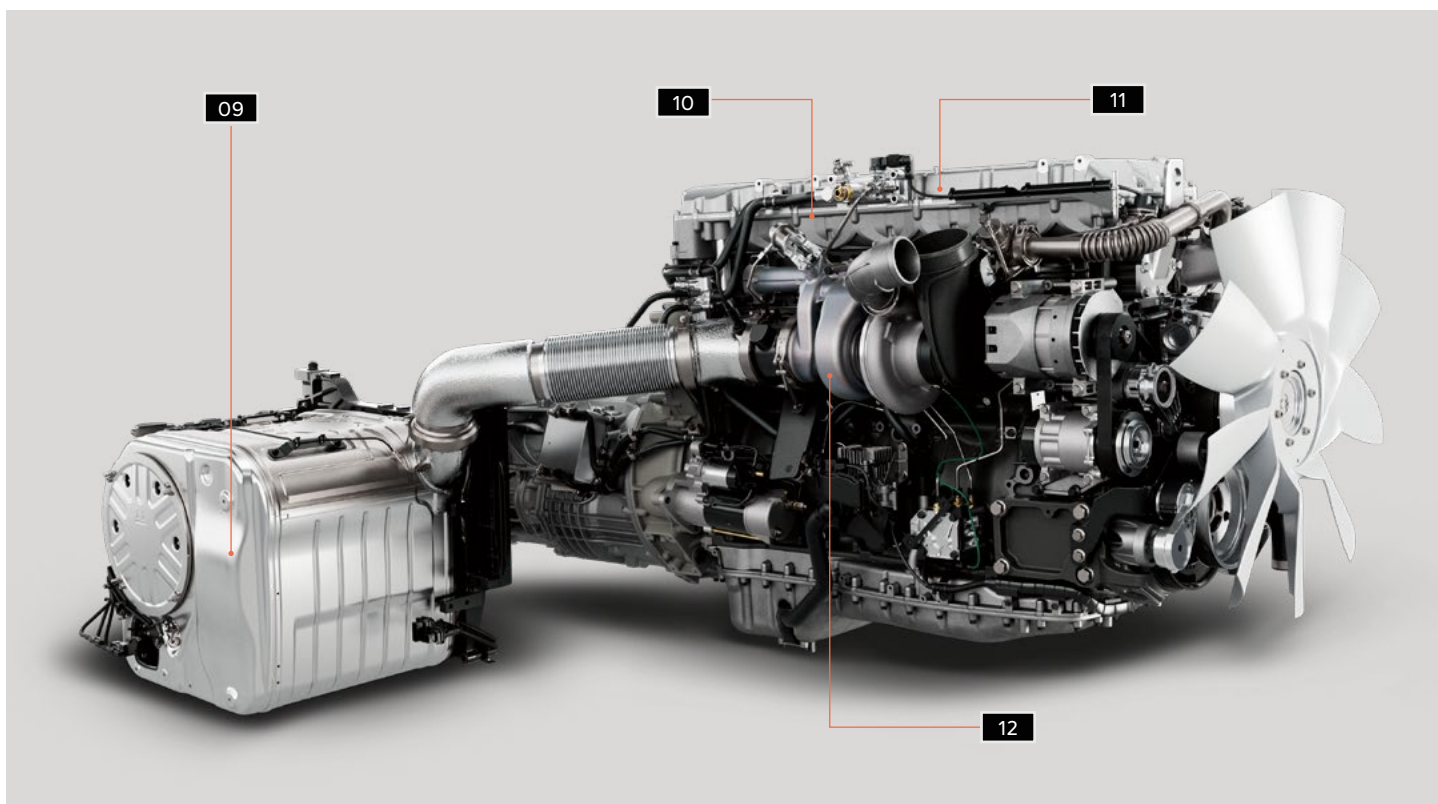


For those who face the most demanding jobs, the HV Series 515 and 615 now feature the International S13 Integrated Powertrain. This revolutionary powertrain has more of what you want and a lot less of what you don't. In fact, the S13

Integrated can meet today's emission regulations without an EGR cooler or a diesel oxidation catalyst. The S13 Integrated can also help boost productivity since you no longer need to stop work and perform active regens.

Plus, the two crawler gears of the T14® transmission help drivers navigate tight jobsites – even when hauling heavy loads.



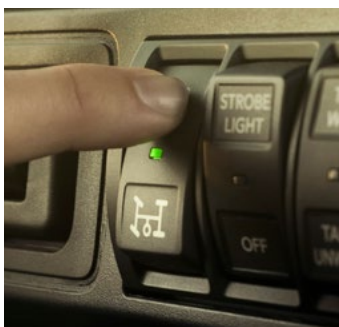


PARTS AND SPECIFICATIONS

01	Water Pump	Low displacement, Low parasitic losses
02	Oil Filter	Cartridge style
03	High-Pressure Fuel System	1800 Bar
04	T14® Transmission	14-speed single countershaft geartrain transmission with wide ratio spread for efficiencies on flatlands and performance on hilly terrains
05	9-Blade Fan	For additional efficiency
06	Fuel Filter	Top access, cartridge style
07	Oil Pan	Aluminum pan provides corrosion protection (stainless steel available)
08	Air Compressors	• Single cylinder (iron) • Two cylinder (aluminum) • Two cylinder clutched (aluminum)
09	Dual Stage After-Treatment	• Compact design for more frame rail mounting space • No active DPF regen needed
10	No Cooled EGR	No Diesel Oxidation Catalyst or EGR cooler required with this advanced engine design
11	Aluminum Valve Cover	Rugged and lightweight
12	Fixed Geometry Turbo	More reliable and efficient design

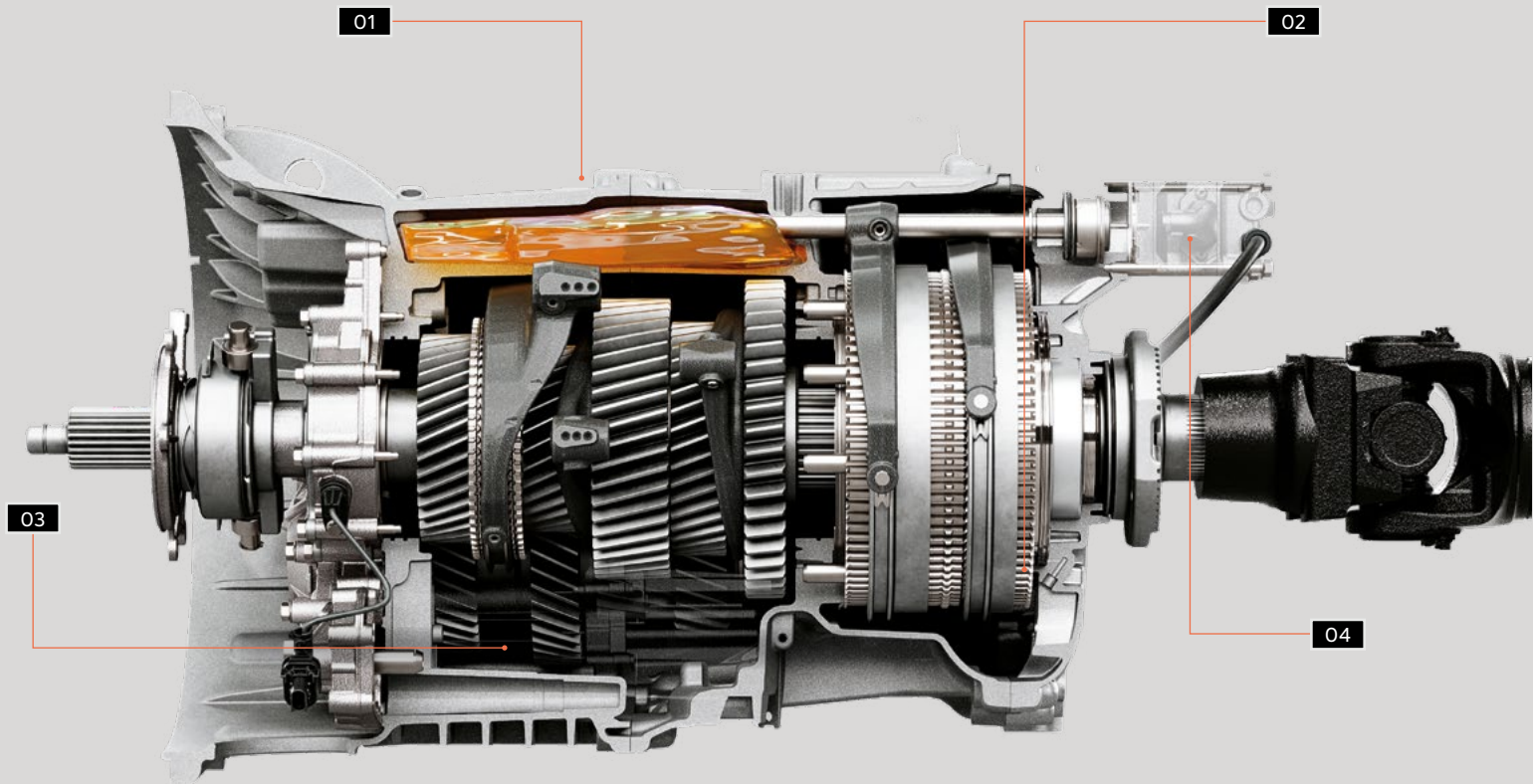
Factory-Installed PTOs available

- Single- and dual-transmission PTOs available with a variety of common SAE interfaces, installed directly at the factory
- REPTO and FEPTO options available without horsepower restrictions



T14®

TRANSMISSION

**Transmission Control Module (TCM)**

Eco-coast and downhill speed control can be found in one module – the TCM. Combining these features into one module means the vehicle feels more natural and intuitive and, ultimately, more efficient. The transmission has an electronically controlled clutch actuator that works in sync with the engine to deliver fast and smooth shifts. Since it does not consume air during complicated maneuvers, like when you're backing a trailer into a tight loading dock, the driver never needs to stop and let the air recharge.

Driver Shift Modes

Three different shift modes (optional) for ultimate control for the driver

- **Economy** – Predictive shifting with fuel efficiency focus
- **Performance** – Perfect balance
- **Performance+** – Shifting at peak power with focus on performance
- **Off-road** – Enhanced traction

Precision Maneuvering Mode

Gives the driver more control of the vehicle at low speeds for specific movements, such as reversing into a loading dock, connecting to a trailer or navigating a crowded construction site. Torque value for pedal input is reduced. This mode allows the clutch to slip more easily for slow and smooth performance.

Paver Assist

Enables the truck to be shifted from neutral into a forward gear without the driver needing to depress the brake. This helps ensure the smooth/uninterrupted delivery of material into the following asphalt paver.

Rock Free

Extracts a truck that has sunk into the ground by rocking it back and forth (without spinning the wheels) until it's free.

Eco-Coast

Disengages the driveline when traveling downhill, using the momentum of the vehicle to save fuel.

T14 AUTOMATED MANUAL TRANSMISSION

PARTS AND FEATURES



01	Variable oil level Upper reservoir	Oil is pumped to the reservoir under lower loads to reduce parasitic losses, allowing for the continuous lubrication of gears by the oil sprayers
02	Planetary gears	The planetary gear set eliminates the need for a dedicated reverse gear, shortening the gearbox and allowing for better packaging within the chassis
03	Single countershaft	A single countershaft with helical gears lowers the overall weight of the unit without compromising the durability or performance of the transmission
04	Shift actuators	Shift actuator packaging was designed specifically for automated functionality (rather than adapted from a manual), allowing for more compact gearbox housing

Creep Mode

This mode allows the vehicle to automatically start moving when the brake pedal is released while the transmission is in gear. This mode is useful in high traffic and other events where constant vehicle movement is necessary without the use of the accelerator pedal.

Downhill Speed Control

This mode utilizes cruise control and the engine brake to descend at a set speed.

Hill Start Aid

The feature allows the driver to lift their foot off the brake and engage the accelerator without worry about the truck moving backwards on a hill.



DUAL STAGE AFTERTREATMENT

Every part of the International S13 Integrated Powertrain is engineered for simplicity and durability, and its aftertreatment is no exception. It's built with a dual-stage SCR system – an advanced technology that removes the EGR cooler, diesel oxidation catalyst (DOC), and exhaust system fuel dosing – creating a system that doesn't require active regens.

KEY FEATURES

- Reduced engine soot for extended DPF service intervals
- Easy access to DPF for easy serviceability
- No diesel oxidation catalyst
- No fuel dosing
- 2 years unlimited miles, unlimited hours

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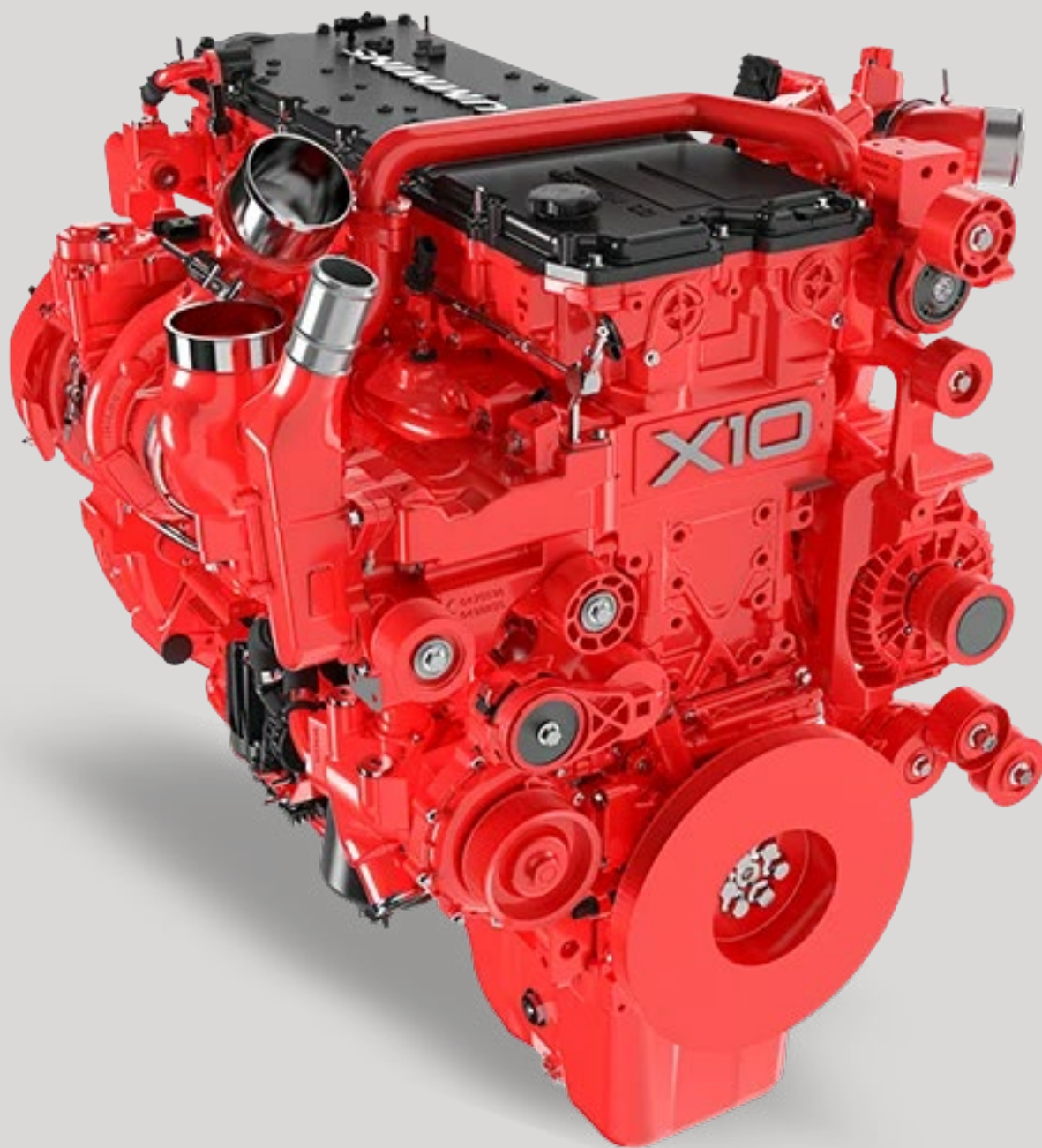
THE RIGHT TOOL FOR THE TASK.

CHICAGO IL

USA

International

FROM THE FIELD
TO THE FAST LANE
EST. 1902



WHY CHOOSE THE X10?
THIS ENGINE IS DESIGNED TO
GIVE YOU MAXIMUM:

Toughness

Engineered with components built for an X15, the X10's robust architecture is designed to tackle the toughest jobs.

Dependability

Built to last, minimizing downtime and providing reliability in your fleet.

Sustainability

Designed with sustainability in mind, the X10 reduces fuel consumption, contributing to a cleaner and sustainable future.

Versatility

From construction to transit, the X10 delivers versatility, meeting the needs of diverse applications.

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HV™ SERIES TRUCK

DIAMOND LOGIC® ELECTRICAL SYSTEM.



ENHANCE THE PRODUCTIVITY
AND SAFETY OF YOUR EQUIPMENT
AND CREW.



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

NEXT-GENERATION DIAMOND LOGIC

The International® Diamond Logic® electrical system streamlines chassis and body equipment integration for more consistent performance, increased equipment protection and enhanced crew safety. It's been considered the most advanced electrical system in the industry – and now it's even more capable.

Enhanced Remote Power Module

- 6 new analog inputs
- Pulse width modulated controls on ten outputs
- Solid state outputs
- All functions programmable with Diamond Logic Builder software
- Plastic housing for enhanced corrosion-resistance



Crane

- 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
- Engine speed control with remote pedal



Utility

- Factory-installed indicator lights and audible alarms for boom out of stow and outriggers down warning.
- Protect equipment through interlocks
- Remote start/stop with emergency pump functionality



Dump

- When dump body is raised the road speed can be limited
- Dump bed and gate open indicators
- Hydraulic system monitoring performed through custom programming
- Lights automatically turn on when wipers are activated to meet the legal requirement of many states



Mixer

- Remote body switches can be custom-programmed to control concrete chutes and water valves
- Pre-trip light inspection and fluid checks
- RP1226 connectors available to allow for further third party integration

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 strong engineering capabilities. Ordering the specific foundation needed for your application upfront substantially reduces time and expense upfitting the vehicle post-production.

FACTORY-INSTALLED AUXILIARY-AXLES:

Installing and certifying lift axles after delivery can be a complicated and time-consuming task. To help alleviate some of that burden, the HV Series can be ordered with a factory-rated lift axle installed directly at the factory including uprated wheels and tires. Controls for the lift axle are integrated into the wing panel through Diamond Logic – freeing up the space between the front seats for other items.

- Up to three available pusher and tag locations are available
- Can be spec'd for specific state requirements
- Factory-rated, requiring no further certification
- Can be monitored and controlled by Diamond Logic
- Controls and gauges located either inside or outside the cab per state regulations



A SOLID FOUNDATION ON WHICH TO BUILD.

BODY COMPANY BENEFITS

01	Dump	Single 1/2", 3.35 million RBM straight frame rail provides high strength at a lighter weight and less prone to corrosion than double rail configurations There are three optional locations for supplying accessory power to the body allowing the upfitter to quickly integrate the body's lights with the chassis's Available in-cab battery box provides increased chassis packaging flexibility.
02	Crane	Customized frame ladder and component locations to meet body packaging requirements Available integral front frame extensions Three optional locations for supplying accessory power to the body for easy integration of the lights with the chassis.
03	Mixer	Light weight 9L or fuel efficient S13 engine configurations Specific cross-member location to accommodate mixer pump Factory-installed transition brackets for body mounting Inverted after-frame cross members for booster axle ram clearance.

01

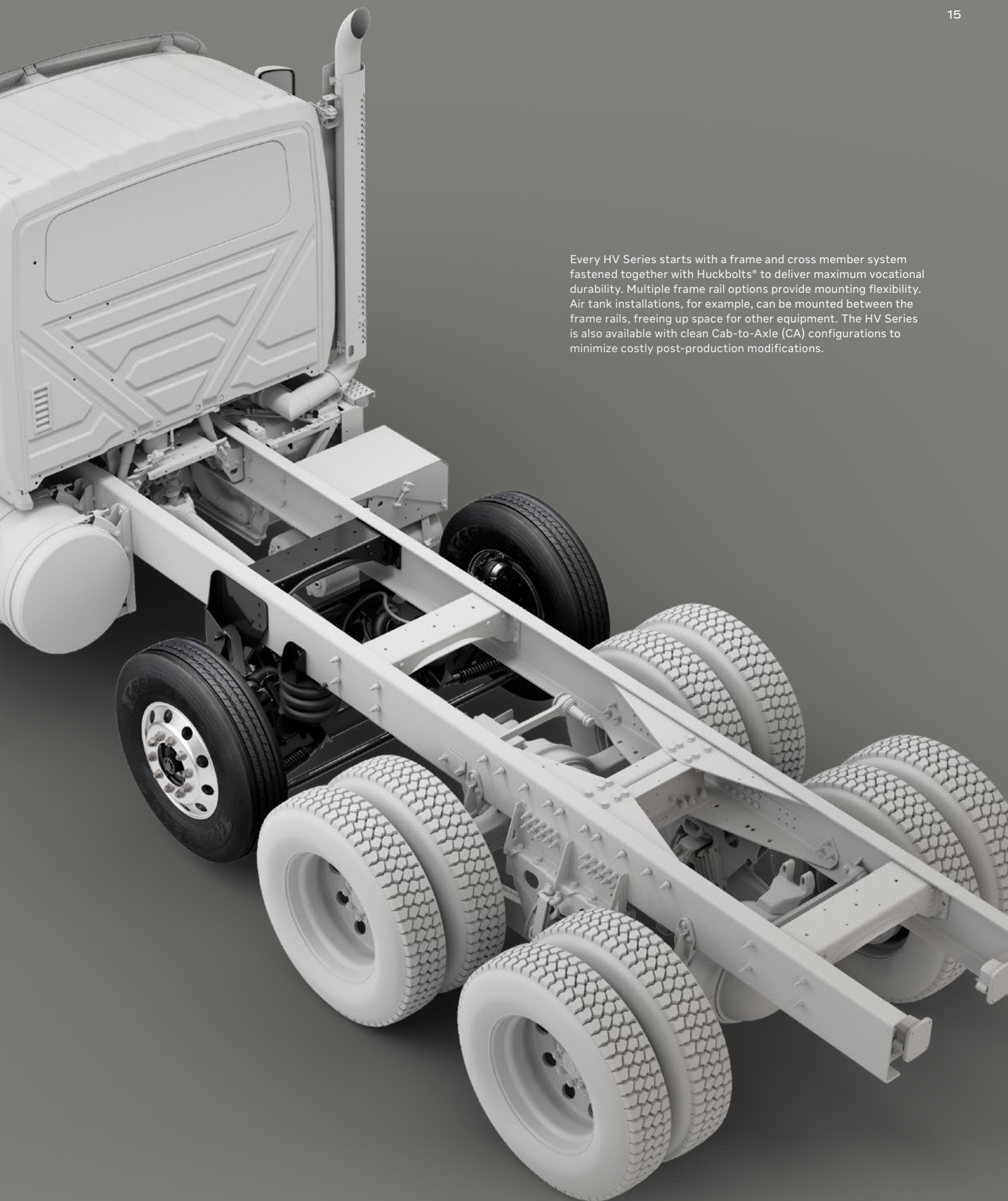


02



03



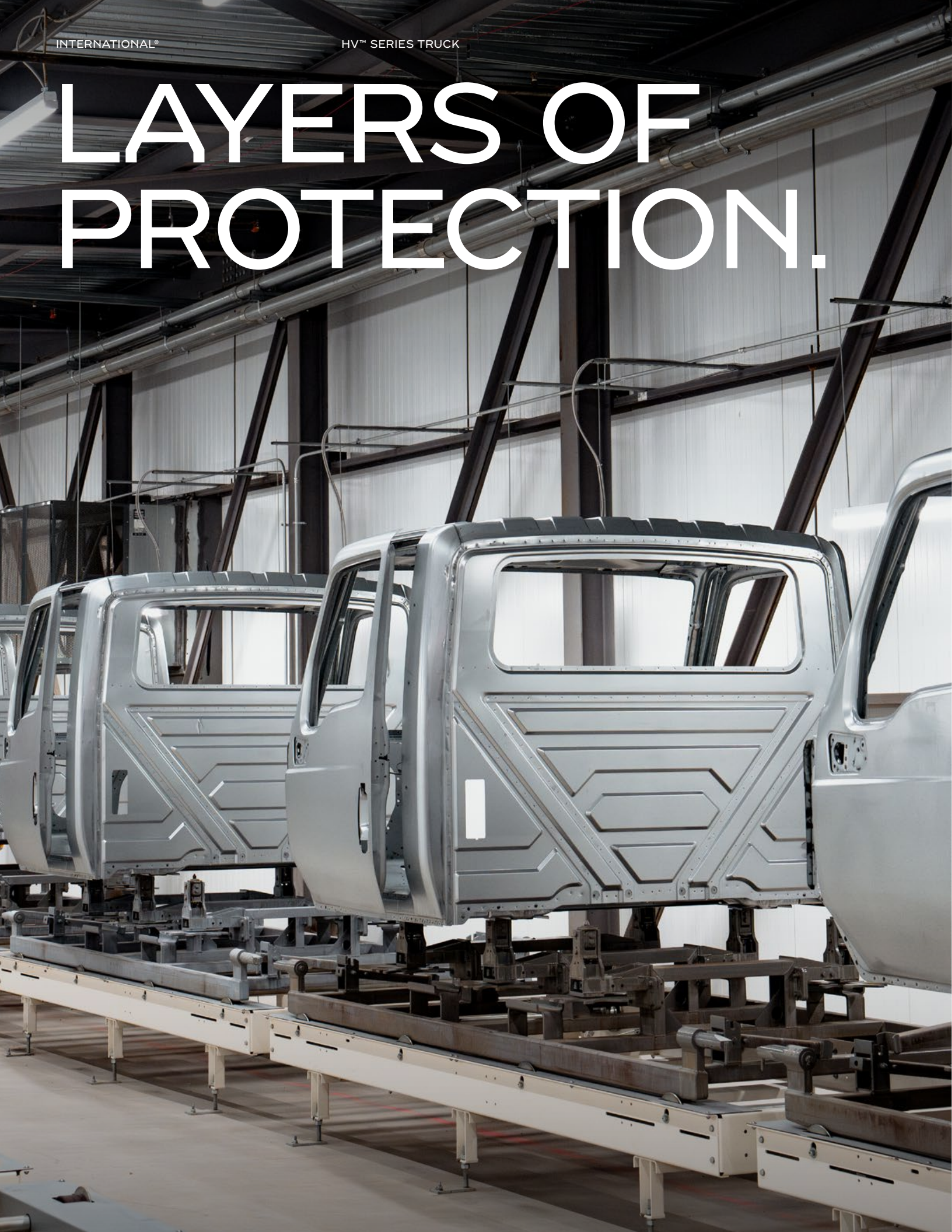


Every HV Series starts with a frame and cross member system fastened together with Huckbolts® to deliver maximum vocational durability. Multiple frame rail options provide mounting flexibility. Air tank installations, for example, can be mounted between the frame rails, freeing up space for other equipment. The HV Series is also available with clean Cab-to-Axle (CA) configurations to minimize costly post-production modifications.

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HV™ SERIES TRUCK

LAYERS OF PROTECTION.



EXTREME-DUTY CAB

The cab of the HV Series is made of tough, durable, high-strength steel. The cab delivers enhanced corrosion resistance and durability for exceptional endurance for rugged applications.

Corrosion Protection

01	InterCoat® ChemGuard Coating	Coated steel used in toe boards and floor panel for enhanced corrosion protection.
02	Spray-On Liner Coating	This available polyurethane and polyurea formulation creates a protective tray on the cab floor that contains spills as well as any of nature's elements that make their way inside.
03	Reinforced B-Pillars	Reinforced B-pillars help support optional cab-mounted exhaust.

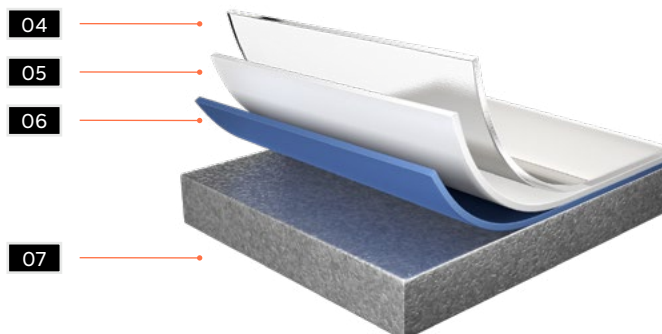


CORROSION RESISTANCE

To ensure long cab life and greater reliability, the cab is protected against corrosion using E-Coat and all outside panels utilize galvanized steel.

E-Coat Paint Process

04	Clearcoat
05	Base Coat
06	E-Coat
07	Galvanized Steel

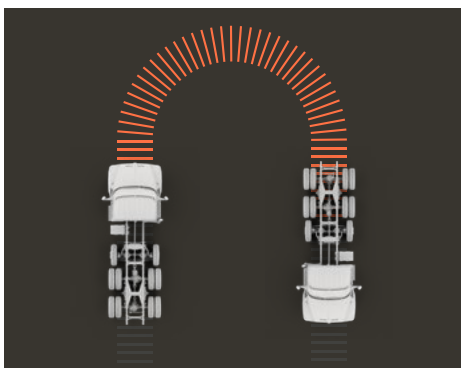


SEE MORE. DO MORE.

The International HV Series interior was designed based on a meticulous study of driver movements. Even the placement mirrors was optimized so drivers turn their heads less, making it easier to keep their eyes on the road while reducing neck strain and increasing comfort.

Visibility on the job site is crucial when it comes to safely and effectively completing the task. The new sloped hood of the HV Series means increases the forward visibility for drivers and can help reduce work-site mishaps. Drivers can now see up to 53 inches closer to the vehicle than the previous generation HV Series.



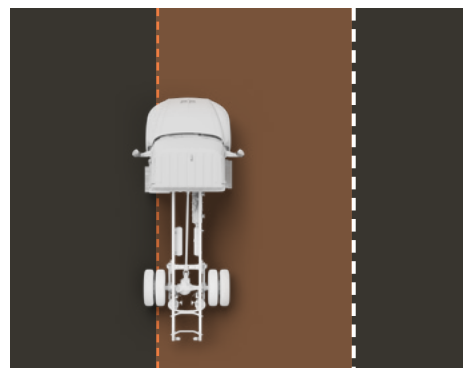


The HV Series is engineered to provide an inside wheel cut of up to 50°, which delivers a curb-to-curb turning radius of only 27 feet and 10 inches, saving drivers time and boosting productivity.



LED HEADLIGHTS

- Winter visibility can often be challenging – especially at night. That's why the HV Series comes with LED headlights. Approximately 50% brighter than halogen, these LED headlights can illuminate the road ahead year after year.
- 10 year/350k mile estimated lifespan
- Durable, Lexan LS-2 lens
- Available heated function features internal thermostat for automatic activation
- Halogen headlights are optional



BENDIX® FUSION

The Bendix® Fusion collision mitigation system can greatly enhance operator safety. By integrating adaptive cruise control, pedestrian autonomous emergency braking, lane departure warning, over-speed alert and stationary vehicle braking, these cutting-edge systems can help the driver potentially avoid a collision or help reduce its severity.

BLIND SPOT MONITORING SYSTEM

The optional BSM system utilizes radar sensors to detect and track objects adjacent to the vehicle. Includes a right-side only coverage option as well as an option for monitoring both the left and right sides of the vehicle.

The system features a dynamic detection range that automatically adjusts both the monitored lane width (the ego lane, or the lane currently occupied by the vehicle) and object detection parameters based on the overall length of the vehicle configuration. For straight rail vehicles, the system is factory-programmed using the vehicle dimensions specified at order entry—including BA (bumper-to-axle), WB (wheelbase), and AF (axle-to-frame) dimensions. For tractors, the system automatically detects and adapts to an attached trailer as the vehicle completes normal turning maneuvers.

The system also includes City Turn Alert (CTA) functionality to help identify vulnerable road users and objects near the vehicle during turning events. When integrated with Bendix® Fusion™, enhanced warning strategies and escalated alerts are available to further improve driver awareness and collision mitigation.



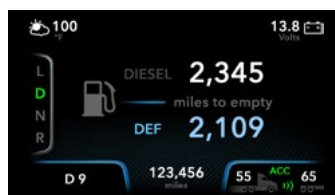
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HV™ SERIES TRUCK

A CAB DESIGNED FOR COMFORT AND CONTROL

Controls Within Easy Reach

To reduce driver fatigue and distraction during long shifts, the optional wing dash curves gently toward the driver. This wrap-around design puts critical controls and gauges directly within reach and line of sight, allowing operators to keep their eyes on the road ahead.



The premium gauge cluster includes a customizable digital display that provides a wealth of information for the driver, including:

Real-time fuel economy

Axle load*

Custom gauge settings*

Safety indicators*

Digital speedometer

Tire pressure*

Built Around the Driver

Every dimension of the cab was designed with driver comfort in mind. Accommodating approximately 95% of the driver population, the spacious interior provides 70.6 inches of shoulder room and 56.8 inches of interior height, creating a more comfortable and confident driving experience for drivers of all sizes.

Spacious and Ergonomic Design

With class-leading belly room, hip-level width, and legroom, the HV Series makes entering, exiting and moving within the cab easy. Ample integrated storage keeps essential gear organized and off the floor, reducing clutter and stress.

Tailored Seating Comfort

Because no two drivers are built the same, the HV Series features premium seating with adjustments normally reserved for luxury automobiles. Operators can easily fine-tune their seating position for optimal lumbar support, posture, and long-haul comfort.

Unmatched Visibility and Safety

Jobsite safety starts with a clear view. The sloped hood paired with a panoramic 1,909-square-inch windshield—the largest in its category—gives operators an unobstructed view of the road and worksite obstacles.

By pairing ergonomic space with superior sightlines and intuitive controls, the HV Series cab delivers an environment built to support the driver on every job.

*When added with optional feature code for required sensors

MY INTERNATIONAL

My International™ is a comprehensive, connected digital ecosystem that streamlines how you manage your fleet and collaborate with our dealer network. Whether you operate one truck or a thousand, we provide the real-time insights and communication tools you need to reduce costs, save time, and maximize uptime.

Everything you need, connected and in one place. with all makes and models.*

INDUSTRY-LEADING CONNECTIVITY.

Take your performance to the next level. Our connected digital ecosystem brings together advanced vehicle technology and intelligent tools—designed to give your business and operations a competitive edge.

5 Years On Us

Advanced Remote Diagnostics is included for five years standard on new HV Series.

OTA Programming

Ensure peak performance with remote software programmable parameter updates to the International S13 Integrated Powertrain - anytime, anywhere.

Fleet Health Monitoring

Weekly reports on vehicles showing fault codes that are most likely to suggest a risk of roadside failure.

Gateway Integrations

Our factory installed telematics system can connect you to select fleet management and compliance software providers seamlessly, without the cost and complexity of additional hardware installation on your vehicle.

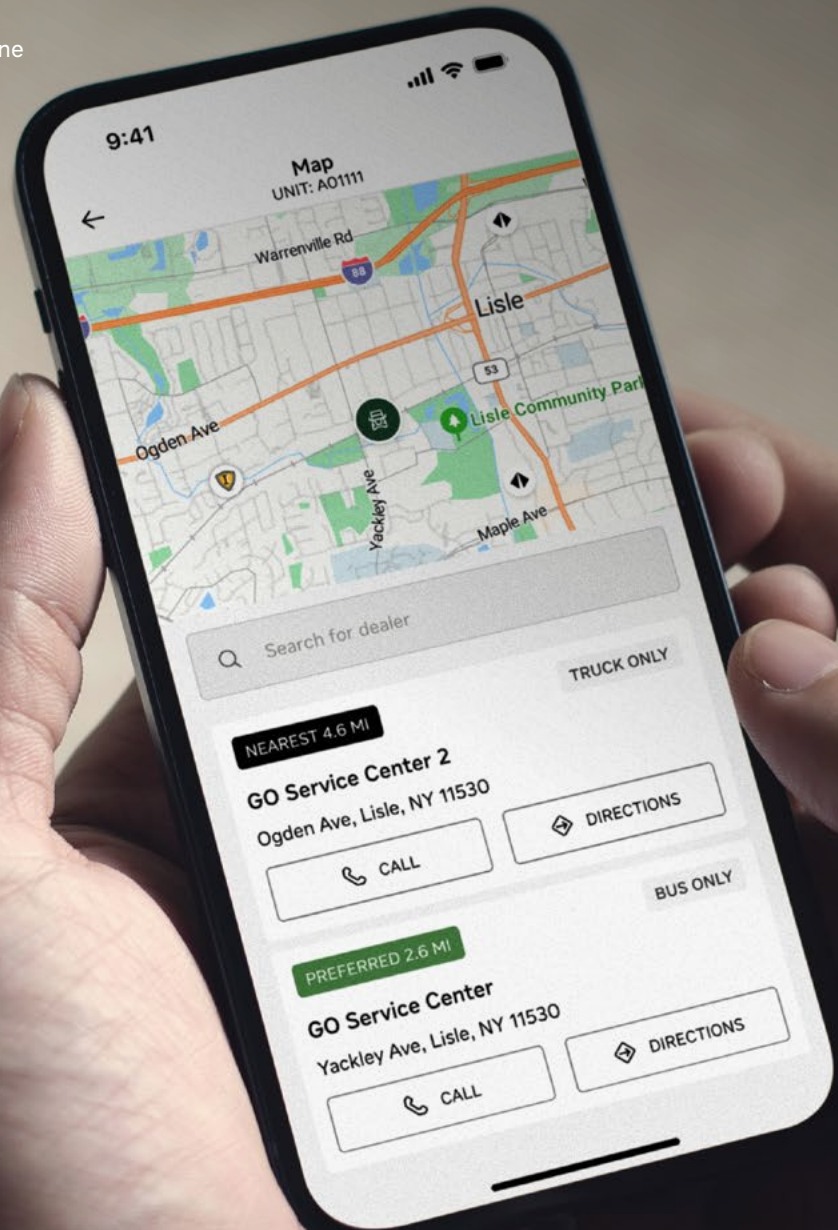
Remote Lock/Unlock

Avoid the downtime and expense of vehicle lockouts with instant remote access.

* For most commercial vehicles powered by diesel engines, 2007 MY and later.

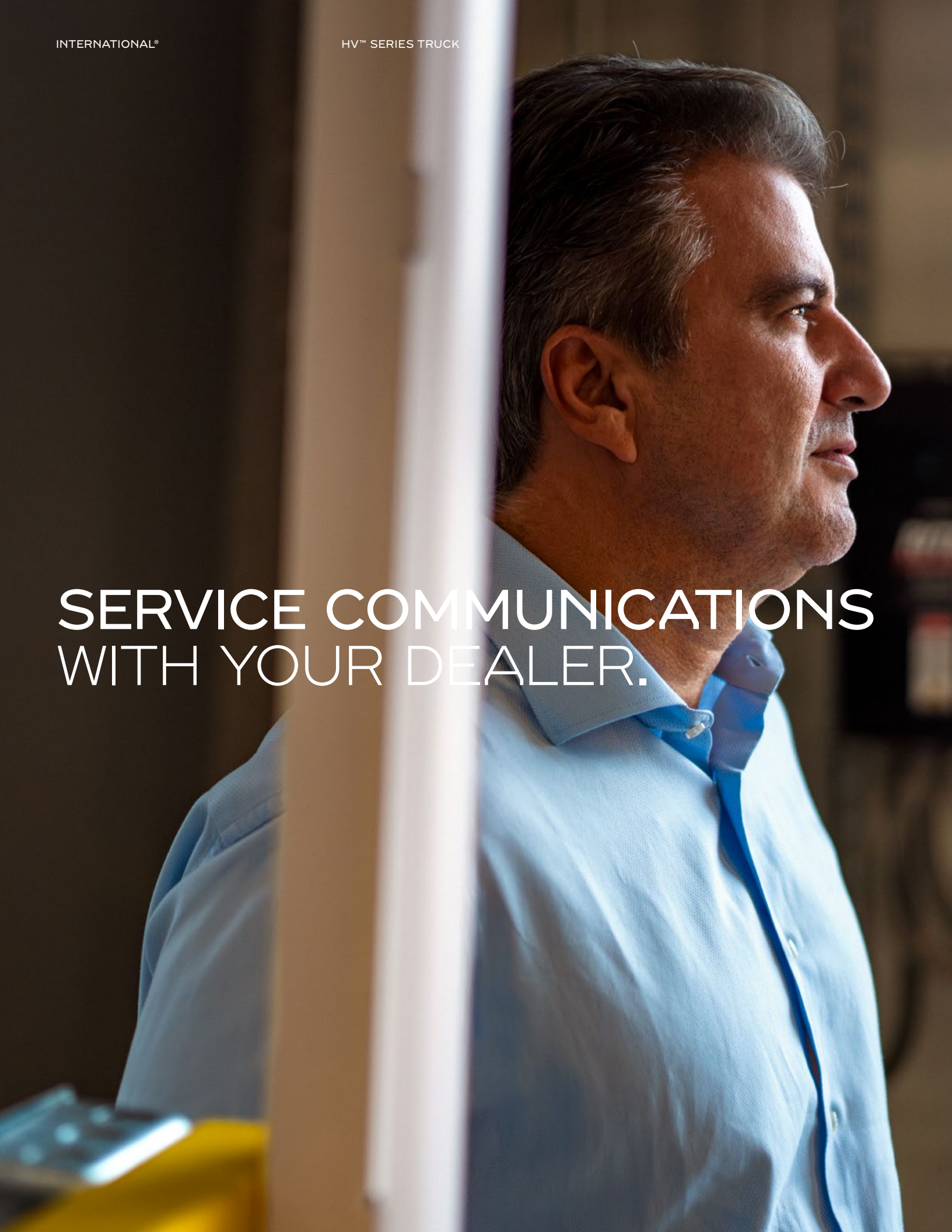
Our Advanced Remote Diagnostics platform features:

- Reports on vehicle health issues that include severity ratings, likely needed parts and service, and recommended actions.
- Comprehensive vehicle health reports that include performance data, fault history and more.
- Up-to-date GPS location with customizable geofencing reports that can help ensure vehicles are where they need to be.
- Insights delivered how you need it — via our online portal, your email inbox, a mobile app and more.



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HV™ SERIES TRUCK

A man with dark hair, wearing a light blue button-down shirt, is shown in profile, looking out a window. A white vertical bar, possibly a window frame or a divider, is in the foreground, partially obscuring the view. The background is slightly blurred, showing what appears to be an industrial or workshop setting. The text "SERVICE COMMUNICATIONS WITH YOUR DEALER." is overlaid in white, bold, sans-serif capital letters across the middle of the image.

SERVICE COMMUNICATIONS
WITH YOUR DEALER.

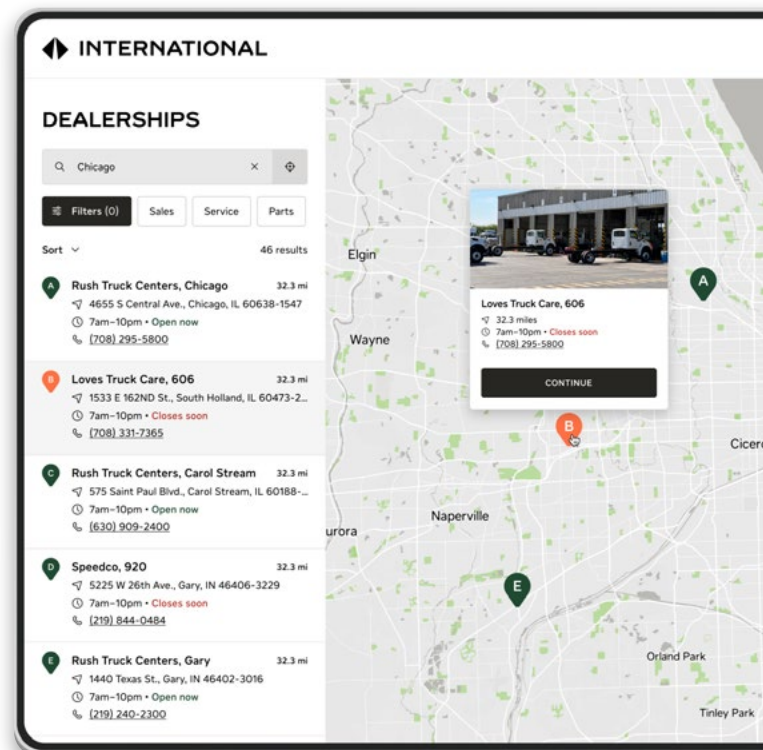
My International service communications is designed to accelerate the repair process, streamline communications with your dealer service center and drive greater uptime.

FEATURES INCLUDE:

- Seamlessly communicate with your dealer, initiate service requests, track real-time repair status, and review estimates—all in one place.
- View campaign, warranty and service contract details for every vehicle in your fleet to streamline billing and approvals.

5 YEARS ON US

- Service Communications is included for five years standard on new HV Series trucks.



UNLOCK YOUR POTENTIAL.

International® Financial can help you take your business to the next level. We offer financing solutions for new and used International trucks and IC Bus® school buses, as well as used vehicles of all makes and models offered through International® Truck dealers, IC Bus dealers and International® Used Truck Centers.

As an expert in the commercial vehicle industry, we have a deep understanding of your wants and needs and are ready to help enable your success.

We offer flexible solutions to fit your truck, bus, vehicle or equipment financing needs, helping you secure the best financing products for your specific situation. Whether you're looking for a fleet vehicle loan or you need to lease fleet vehicles, our financial team can provide you with the best option suited to your business.

International

INTERNATIONAL TRUCK MODEL
1909-2024

1909	AUTO WAGON	1977	S
1913	F SERIES	1981	C
1934	C SERIES	1984	9
1937	D SERIES	1987	8
1938	METRO	1988	4
1941	K SERIES	1998	9
1941	KB SERIES	1999	5
1949	L SERIES	2000	9
1953	R SERIES	2001	4
1953	V SERIES	2001	7
1957	A + B SERIES	2002	8
1961	SCOUT / SCOUT II	2006	P
1962	LOADSTAR	2008	L
1963	FLEETSTAR	2016	H
1968	TRANSTAR	2017	HV
1969	D SERIES	2017	LT
1970	CARGOSTAR	2017	RH
1971	TRANSTAR 4200	2018	MV
1972	PAYSTAR 5000	2018	CV

INTERNATIONAL TRUCKS
FROM THE FIELD TO THE FAST LANE
EST. 1902



INTERNATIONAL
FINANCIAL

THE CHOICE IS YOURS.

Fleet vehicle financing products have unique advantages and understanding those advantages can ensure your business selects the best financial solutions. The below comparison chart highlights the features and differences of our vehicle financing solutions.

Loan vs. Lease Comparison^{1,2}	Loan	Finance Lease	TRAC Lease³	Split TRAC Lease	FMV Lease
Flexible payment solutions	✓				
No mileage restrictions	✓	✓	✓		
Own equipment at end of term	✓	✓	✓	Optional	Optional
Finance lease for accounting purposes ²		✓	✓		
Lower payments			✓	✓	✓
Minimal initial cash outlay				✓	✓
No purchase obligation at lease termination				✓*	✓
Operating lease for accounting purposes ²				✓	✓

1. International® Financial services are provided by Navistar Financial Corporation. Program eligibility, actual payments, terms and down payment are determined by Navistar Financial Corporation's credit team based upon creditworthiness of customer.

2. Navistar Financial Corporation does not provide or endorse any tax or accounting advice or tax strategy to its dealers, customers or potential customers. You should consult with your own tax and accounting advisor on all such matters relating to the loan or lease financings described in this brochure.

3. TRAC leases are limited to motor vehicles leased to businesses and must be used for commercial purposes at least 50% of the time.

* Lessor & Lessee take pro-rata portion of the estimated residual value risk.

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HV™ SERIES TRUCK



We understand that your business depends on the reliability of your equipment. Our comprehensive ownership solutions provide greater productivity, efficiency and lower total cost of ownership for your fleet.

SERVICE CONTRACTS.

Package Options		Core	Extended	Complete (Best Value)
Maintenance and Service	Planned Maintenance	✓	✓	✓
	Multi-point inspection	✓	✓	✓
	Proactive Service Planning and Scheduling	✓	✓	✓
	Customer Notifications	✓	✓	✓
	Service Event Orchestration	✓	✓	✓
Powertrain Coverage*	Engine and Aftertreatment		✓	✓
	DEF System		✓	✓
	Transmission and Clutch		✓	✓
Non-Powertrain Coverage*	Cooling and HVAC			✓
	Starter / Alternator / Electrical			✓
	Suspension and Steering			✓
	Axles / Propshaft / Frame and Bumper			✓
	Braking and Fuel Systems			✓
Wear Item Replacement		Optional	Optional	Optional
Towing Coverage		Optional	Optional	Optional
Mobile Service Reimbursement**		Optional	Optional	Optional
Annual DOT Inspections	One per Year	Optional	Optional	Optional
Additional Chassis Lube	One Service Event Between Oil Changes	Optional	Optional	Optional

Coverage Term Options

Published terms include 2, 3, 4, 5, and 6-year service contracts with a variety of available mileage and service coverage options. Not all businesses operate the same way—and your maintenance coverage shouldn't either. International offers flexible plans based on miles, months, and/or hours, with maintenance leads triggering automatically based on whichever interval is reached first. That means your operation—not a fixed schedule—drives maintenance timing, maximizes uptime and simplifies planning. Choose the package that fits your needs or work with your dealer on a custom solution.

PLANNED MAINTENANCE

Consistent, reliable, high-quality work across the industry's largest service network in North America—your one-stop destination for maintenance, warranty work, and repairs. With genuine OEM parts, highly trained technicians, and coordinated service orchestration, you receive efficient, accurate service every time. Built-in multi-point inspections and locked-in pricing provide inflation protection and cost predictability.

PROACTIVE SERVICE PLANNING & SERVICE EVENT ORCHESTRATION

Stay ahead of maintenance and minimize downtime. Using real-time vehicle data, we help you plan service in advance—monitoring your vehicle and contacting you ahead of needed maintenance to schedule a convenient time that keeps your operation moving. We actively manage and expedite repair events by ensuring the dealer has the bay, technician, and parts required, coordinating support, ensuring accuracy, and keeping you informed every step of the way—so you can get back on the road quickly.

MOBILE MAINTENANCE

Keep your trucks moving and your operation on schedule with Mobile Maintenance. Instead of taking your vehicle off route and into the shop, qualifying service events can be performed where your truck is, helping reduce downtime and disruption to your business.

COMPLETE VEHICLE COVERAGE

Protect your vehicle's powertrain and other key components, including electrical, cooling, suspension systems, and more. Plans feature a guaranteed \$0 deductible, 100% parts and labor coverage, and NO claims maximums.

*Contact your International® Dealer today for more details on complete component and systems coverages.

**Mobile Service Reimbursement is only available with a planned maintenance service contract.

These service contracts are available at no financing cost. Ask your dealer about a payment program through International® Financial.

POWERFUL OPTIONS.

S13 INTEGRATED POWERTRAIN

Engine type	Diesel, 4-Cycle
Configuration	Inline 6-Cylinder
Displacement	12.74L (777 cu. in.)
Bore & Stroke	5.12 in. x 6.30 in. (126 mm & 166 mm)
Compression Ratio	23:1
Aspiration	Fixed Geometry Turbocharger
Combustion System	1800 bar Common Rail
Engine Lubrication	47.5 quarts (45L)
Total Engine Weight	2,284 lbs. (1,036 kg)
Valves	4 Valves per Cylinder, Dual Overhead Camshaft
B10 Design life	1,200,000 mi (1,931,000 km)

ENGINE WARRANTY

Base Engine	24 months; unlimited miles, unlimited hours*
Base Major Component	60 months; 500,000 miles
Base Towing	24 months; unlimited miles, unlimited hours**
Optional Engine	Up to 72 months, 600,000 miles
Optional Major Component	Up to 84 months, 700,000 miles

* Fire & rescue applications: 60 months/100,000 miles/unlimited hours
**Towing for vehicles with engine failures

TRANSMISSION, CLUTCH AND TRANSMISSION MOUNTED PTO BASE WARRANTY (INCLUDES TOWING)

Less than 52K Rear Axles Rating:	3 years; unlimited miles
Greater than 52K Rear Axles Rating:	2 years; unlimited miles

HP RATING	GOVERNED SPEED RPM	TORQUE RATING (lb-ft @ RPM)
370	2000	1250 @ 900
400	2000	1450 @ 900
430	2000	1550 @ 900
450	2000	1750 @ 900
475	2000	1750 @ 900
515	2000	1850 @ 900

T14 GEAR RATIOS AVAILABLE

Gear	Ratio	Step	Gear	Ratio	Step	Gear	Ratio	Step
R6	4.59*	-	1	20.81	29%	8	3.53	29%
R5	5.91*	-	2	16.16	29%	9	2.77	29%
R4	7.61*	-	3	12.57	29%	10	2.15	29%
R3	9.81*	-	4	9.76	29%	11	1.66	29%
R2	12.60	-	5	7.56	29%	12	1.29	29%
R1	16.23	-	6	5.87	29%	13	1.00	29%
			7	4.55	29%	14	0.78	-

CUMMINS X10 320-380* HP

Engine Type:	Diesel, 4-Cycle
Configuration:	Inline 6-Cylinder
Displacement:	9.9L
Bore:	118.5 mm (4.67 in)
Stroke:	150 mm (5.91 in)
Total Engine Weight (Dry):	1,874 lbs. (850 kg)
Total Engine Weight (Wet):	1,984 lbs. (900 kg)

HP RATING	GOVERNED SPEED RPM	TORQUE RATING (lb-ft @ RPM)
320	2200	1000 @ 1200
350	2200	1050 @ 1200
360	2200	1100 @ 1200
370	2100	1250 @ 1200
380	2100	1250 @ 1200



*Higher ratings limited to fire and rescue applications

DESIGNED FOR DRIVERS IN THE TOUGHEST APPLICATIONS — YOURS.



HV509 Regular Cab



HV509 Extended Cab

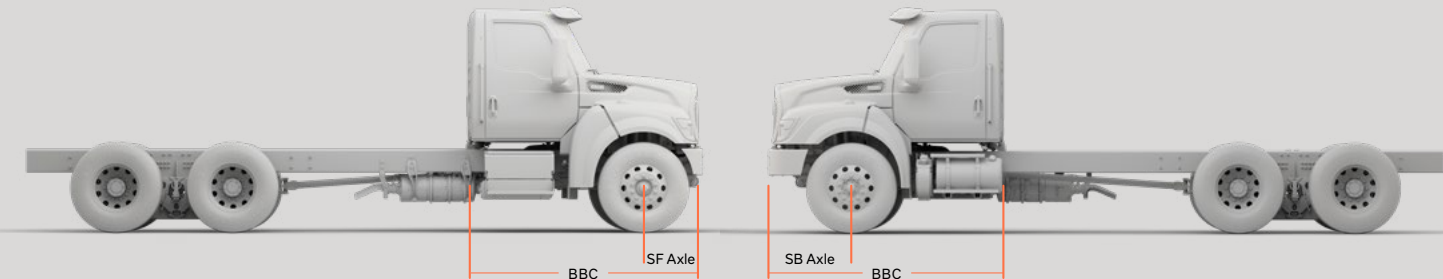


HV509 Crew Cab

Model Nomenclature Key

Model Designation	Axle Configuration	BBC in inches	
HV	5 = Set-Forward	109	115
	6 = Set-Back	109	115

Example:
HV615 6x4 = Tandem drive,
115" BBC with Set-Back
front axle



Configuration	Model	Axles
Set-Forward Axle	HV509	4X2
		4X4
		6X4
		6X6
	HV515	4X2
		6X4

Configuration	Model	Axles
Set-Back Axle	HV609	4X2
		6X4
	HV615	4X2
		6X4
		8X6

109" BBC

GVW	51,000 lbs. (4x4) (HV509) 53,000 lbs. (4x2) 66,000 lbs. (6x6) (HV509) 68,000 lbs. (6x4)
BBC/BA	109" BBC / 40.2" BA 109" BBC / 29.5" BA
Cab Configurations	Day Cab / Extended Cab / Crew Cab
Wheelbase Options	136" - 339" (HV509) 128" - 368" (HV609)
Axle Configurations	4x2; 6x4 4x4 (HV509) 6x6 (HV509)
Rear Axle	Single Rear Axle (4x2) Cummins-Meritor • Single Reduction: 17,000 – 30,000 lbs. • Double Reduction: 30,000 – 38,000* lbs. • Two-Speed: 21,000 – 23,000 lbs. Dana Spicer • Single Reduction: 17,500 – 31,000 lbs. Tandem Rear Axle (6x4) Cummins-Meritor • Single Reduction: 40,000 – 46,000 lbs. Dana Spicer • Single Reduction: 46,000 lbs.
Front Axle	Cummins-Meritor • Non-Driving: 10,000 – 22,000 lbs. • Driving: 10,000 - 20,000 lbs. (HV509) Dana Spicer • Non-Driving: 10,000 – 20,000 lbs.
Frames	11.25" x .5" thick super single rail Single Frame Rail Rating up to 3.3M in.-lbs. RBM and "C" Channel Reinforced Frame Rail Rating of 3.5M in.-lbs. RBM
Front Suspension	Spring Multi-leaf: 14,000 – 20,000 lbs. Parabolic Taper-leaf: 10,000 – 22,000 lbs. Auxiliary and Bias Springs Available
Rear Suspension	Chalmers: 23,000 – 46,000 lbs. Hendrickson • RT: 40,000 – 46,000 lbs. • HAS: 23,000 – 46,000 lbs. • HMX: 40,000 – 46,000 lbs. • PRIMAX: 20,000 (HV509) 23,000 – 46,000 lbs. Link: 46,000 lbs. International: 20,000 – 40,000* lbs. Vari-Rate Springs: 18,500 – 31,000 lbs.
Electrical System	Alternators: 12 Volt, 160 – 325 Amp Battery Systems: 12 Volt, 1320 – 3800 CCA
Exhaust System	Frame Mounted Right Side, Back of or Under Cab Horizontal or Vertical Tailpipe Right Side Back of Cab
Brakes	Air Disc and Drum Brakes with ABS, Optional Traction Control, Optional Electronic Stability Program with Traction Control
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 Cummins X10: Up to 380** hp, 1250 lb.-ft. of torque
Transmissions	Eaton Manual: 6, 8LL (10) and 13-speed Allison Automatic: 2500, 3000, 3500, 4000, 4500 (HS, EVS, RDS)
Fuel Tanks	40 – 160 Gallons, Single or Dual, Non-Polished or Polished Aluminum, Mounted Right or Left Side Under Cab
Tires	Continental, Michelin, Goodyear, Bridgestone, Hankook
Safety	Fusion 3.0, Optional Data Recorder and Side Object Detection

115" BBC

GVW	60,000 lbs. (4x2) 74,000 lbs. (6x4) 75,000 lbs. (8x6) (HV615)
BBC/BA	115" BBC / 45.9" BA 115" BBC / 29.5" BA
Cab Configurations	Day Cab / Extended Cab / Crew Cab
Wheelbase Options	128" - 311" 4x2 152" - 311" 6x4 187" - 309" 8x6
Axle Configurations	4x2; 6x4 8x6 Tridem (HV615)
Rear Axle	Single Rear Axle (4x2) Cummins-Meritor • Single Reduction: 20,000 – 30,000 lbs. • Double Reduction: 30,000 – 38,000* lbs. • Two-Speed: 23,000 lbs. Dana Spicer • Single Reduction: 23,000 – 31,000 lbs. Tandem Rear Axle (6x4) Cummins-Meritor • Single Reduction: 40,000 – 52,000 lbs. Dana Spicer • Single Reduction: 46,000 – 50,000 lbs. Tridem Rear Axel (8x6) Cummins-Meritor • Single Reduction: 53,000 lbs.
Front Axle	Cummins-Meritor • Non-Driving: 12,000 – 22,000 lbs. Dana Spicer • Non-Driving: 12,000 – 23,000 lbs.
Frames	Single Frame Rail Rating up to 3.3M in.-lbs. RBM and "C" Channel Reinforced Frame Rail Rating of 3.5M in.-lbs. RBM
Front Suspension	Spring Multi-leaf: 14,000 – 20,000 lbs. Parabolic Taper-leaf: 12,000 – 23,000 lbs. Auxiliary and Bias Springs Available
Rear Suspension	Chalmers: 23,000 – 52,000 lbs. Hendrickson • RT: 40,000 – 46,000 lbs. • HAS: 23,000 – 46,000 lbs. • HMX: 40,000 – 46,000 lbs. (52,000 lbs. HV615) • PRIMAX: 23,000 – 46,000 lbs. 69,000 lbs. (Tridem) • UMX: 46,000 – 52,000 lbs. (HV615) Link: 46,000 lbs. International: 20,000 – 40,000* lbs.
Electrical System	Alternators: 12 Volt, 160 – 320 Amp Battery Systems: 12 Volt, 1900 – 4600 CCA
Exhaust System	Single Dual-Stage After-Treatment Device, Single Horizontal or Vertical Tailpipe Right Side Back of Cab High Ground Clearance and Twin Steer Packaging Available
Brakes	Air Disc and Drum Brakes with ABS, Optional Traction Control, Optional Electronic Stability Program with Traction Control
Power Steering	Single Power Dual Power on Front Axle 16,000 lbs. and Above
Engines	International S13: 370 – 515 hp, 1,250 – 1,850 lb.-ft. of torque
Transmissions	International® T14 Automated Manual 14-Speed with Two Crawler Gears and One Overdrive Gear Allison Automatic: 3000, 4000, 4500, 4700 (HS, EVS, RDS, OFS)
Fuel Tanks	50 – 200 Gallons, Single or Dual, Non-Polished or Polished Aluminum, Mounted Right or Left Side Under Cab
Tires	Continental, Michelin, Goodyear, Bridgestone, Hankook
Safety	Fusion 3.0, Optional Data Recorder and Side Object Detection

* Application restriction

**Higher ratings limited to fire and rescue applications

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