

# WE UNDERSTAND WHAT IT TAKES TO BUILD A BUSINESS.

We know new equipment is a big investment. We know, if you're going to take that next step, you need a sure thing. A truck that will not let you down. A truck that will take your business to new heights.

That's why we built the CV™ Series.

For people like you. Because you've only just begun.





The International® CV™ Series was engineered for those who are ready to take the next step with their business, reach for the next rung, expand their capabilities and take on new challenges. It's the only class 4/5 truck designed, distributed, and supported by a manufacturer that specializes in commercial trucks. This means the largest commercial dealer network with more dedicated truck bays and diesel technicians than anyone else.

It also means that the CV Series can tailored to your business needs thanks to an upfitter-friendly straight frame and a wide range of wheelbase options.

The CV Series—it's ready when you are.











THE CV™ SERIES IS READY TO ACCEPT NEARLY ANY BODY—FROM A CONTRACTOR'S DUMP TO A FLATBED—USUALLY WITHOUT ANY SPECIAL MODIFICATIONS OR REINFORCEMENTS.

















WHEN YOU BUILD COMMERCIAL VEHICLES FOR AS LONG AS WE HAVE, YOU LEARN A THING OR TWO ABOUT WHAT BUSINESSES NEED. THAT'S WHY THE CV™ SERIES HAS STRAIGHT FRAME RAILS AND IS AVAILABLE WITH A CLEAN CAB-TO-AXLE (CA) PACKAGE.



# COMMERCIAL-GRADE DESIGN, PRODUCTION AND POSSIBILITIES

It's important to note that the CV™ Series is not consumer-grade. It's not designed for average Joes. It's not built in a factory that makes pickup trucks. This is a commercial-grade vehicle built for commercial-grade needs. International engineers started with a clean sheet of paper and one mission: create one of the toughest, most-capable, most upfit-friendly class 4/5 trucks at the job site. This means a heavy-duty, gear-driven transfer case, a single, high strength frame rail, an available air ride suspension, easy-to-reach maintenance points and a long list of commercial-grade details.

# COMMERCIAL GRADE FROM THE WHEELS TO THE CLEARANCE LIGHTS

- Segment-only gear-driven transfer case.
   Provides extra strength (no chains to stretch)
- Painted chassis for enhanced longevity and corrosion resistance
- ➤ Single high strength low alloy steel (50,000 PSI yield strength) frame rail is ready for easy upfitting
- ▶ GVWR up to 23,500 lbs
- Optional air ride suspension with enginemounted compressor can be used to adjust height and provide a smooth ride for smooth ride for cargo and crew
- ► Commercial-grade Hydromax Braking System
- 4-inch bumper extension is available to help provide enhanced protection for the grille and radiator

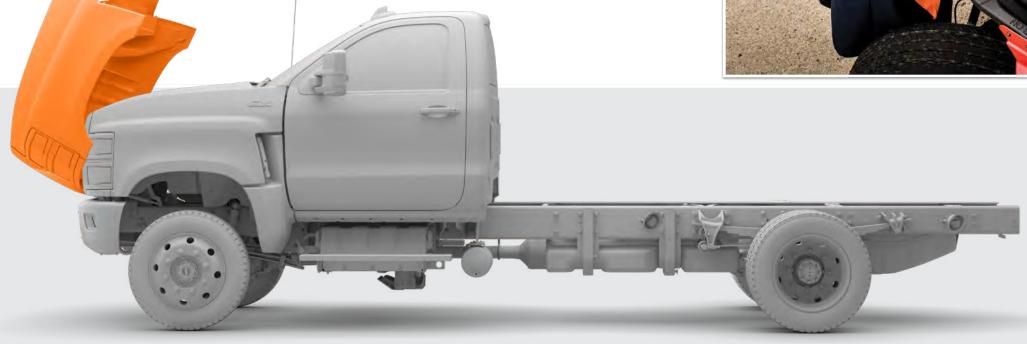












- 1. The Forward-Tilting Hood provides easy access to the engine and routine service points
- 2. Tool-less headlight bulb replacement
- 3. Standard, self-cleaning, high-grip steps are ideally placed so drivers and passengers can enter and exit the cab with ease
- 4. The DEF (Diesel Exhaust Fluid) tank fill point is located near the passenger side door to help avoid mixing the wrong fluids and allows the tank to be filled without opening the hood



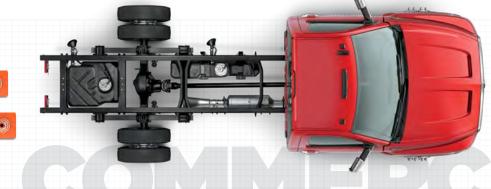


# A COMMITMENT TO SAFETY

Up to 50-degree wheel cut on 4x2 models provides excellent maneuverability which can help you avoid costly incidents at crowded work sites









An available rearview camera helps drivers see potential obstacles when backing up

# **COMMERCIAL GRADE BRAKING POWER**

- ► Hydromax Braking System
- ▶ Bosch Split system with Traction Control
- ► Four channel ABS

The Trailer Brake Controller helps drivers maintain control while towing



Integrated hood safety latch helps prevent the hood from blowing down on windy days



The folding side mirrors can include LED turn indicators plus rear-facing LED lights to illuminate cargo and equipment





The CV™ Series was tested in the same extreme environments as all of our commercial trucks.

COLD WEATHER TESTING (-40\*) FAIRBANKS, ALASKA

**DURABILITY TESTING NAVISTAR PROVING GROUNDS NEW CARLISLE, INDIANA** 

HIGH ALTITUDE TESTING (12,000 FT) LOVELAND PASS, COLORADO

**EXTREME TEMPERATURE TESTING (115\*)** APACHE, ARIZONA



SHAKER TESTING NAVISTAR ENGINEERING VALIDATION CENTER MELROSE PARK, IL

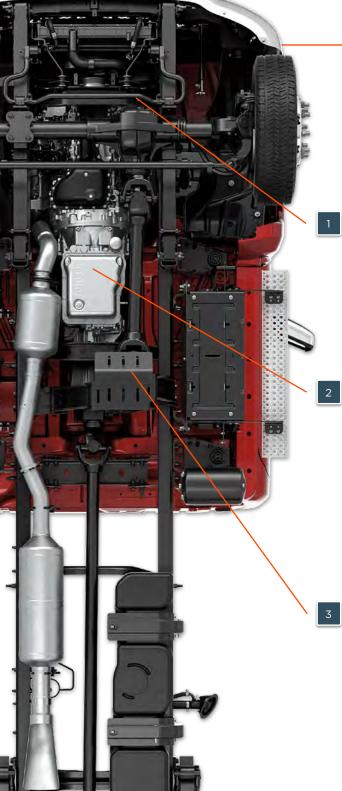
The CV Series was durability tested in New Carlisle, Indiana and built in Springfield, Ohio on the same line as some of the most powerful trucks on the road including:

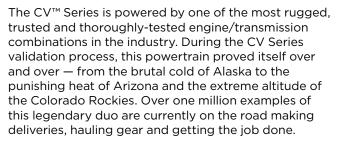
the International<sup>\*</sup> MV<sup>™</sup> Series and HV<sup>™</sup> Series

SPRINGFIELD, OHIO

The durability testing of the CV Series was also commercial grade—way beyond what is done for pickup trucks. From the heights of the Rocky Mountains, to the heat of the Arizona desert and the bitter cold of Alaska, the CV Series powered through it all thanks to commercial-only features like a forward-tilting hood for better access to routine service points, a 50-degree wheel cut for maneuverability and an impressive Hydromax braking system for superior stopping ability.







# INTERNATIONAL® 6.6 ENGINE

With 700 ft-lb of torque on tap, the CV Series has the muscle to pull, haul and carry the heaviest of loads.

- ▶ 350 HP, 700 ft-lb of torque
- ▶ Optional engine-mounted air compressor
- Diesel exhaust brake
- Optional Remote Start with Keyfob includes antitheft deterrent system
- ▶ Optional 120v/800-watt block heater

# 2 6-SPEED ALLISON TRANSMISSION

As the largest manufacturer of medium and heavyduty fully automatic transmissions, Allison has a long and proven history in commercial trucks. It's a transmission you can trust to help you take care of business.

- ▶ Legendary reliability and strength
- Available PTO (Power Take Off) capability to run auxiliary equipment
- ▶ 1000/2000 series
- Available vocation codes include: Highway Series (HS), Rugged Duty Series (RDS), Emergency Vehicle Series (EVS), Motorhome Series (MH)

# 3 CONFIDENT 4X4 CAPABILITY

For demanding applications that require access to challenging job sites.

- Meritor gear-driven transfer case more durable than most chain-driven designs
- ► Heavy Duty 7,500 lb. front drive axle







# WE'LL WORK WITH YOU SO YOU CAN GET TO WORK

# READY TO ROLL

Standard holes for a snow plow mount bracket are pre-drilled into the front frame of the  $CV^{TM}$  Series.

# SIMPLICITY EQUALS FLEXIBILITY

- Dual battery box is located under the cab. An optional third battery is available and mounted temporarily for final installation during upfitting
- Huck\* Bolt chassis fasteners provide consistently superior clamping force without re-torqueing, and won't come loose even in extreme environments
- Straight frame rails with no rivets on top flange with an available clean CA for easy body mounting
- 4 Optional exhaust outlets available to suit vocation and body
- 5 Fuel tank options:
  - Available 40-gallon After Frame fuel tank (behind rear axle)
  - 25-gallon saddle tank
  - Available dual tanks (25 and 40 gallons respectively)
- Multiple wheelbase options to suit almost any application (7 for day regular and 3 for crew)

# **International** Truck Specialty Centers

Depending on the application, some post-production modifications are more complicated than others. In cases like these, there's no better place to go than an International Truck Specialty Center. Fully owned and operated by International Truck, our experts provide quick, efficient and cost-effective custom engineering solutions. The CV Series is the only truck that can take advantage of this level of customization within the segment and depending on what you need, it may prove invaluable.

- ▶ Modifications covered under manufacturer's warranty
- Process supervised by International engineers to ensure factory production-level quality
- ► Expertise to identify and resolve issues quickly



# FIT TO BE UPFITTED

When customers choose an International® truck, they know the upfit process will be simple and straight-forward. The CV™ Series is no exception. Customers can spec the CV™ Series exactly to their liking whether it's different fuel tank options, wheelbase options—even different exhaust locations—whatever the customer needs, the CV Series can accommodate

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# SMOOTH OPERATOR







The CV™ Series offers an air ride rear suspension to provide both a smooth ride and height flexibility. In many cases, delicate cargo — from produce to appliances — requires a smooth ride during transportation to help prevent costly cargo damage. Carriers of these products have long relied on air suspensions to ensure an unscathed delivery.









# ROOM FOR GROWTH



Driver comfort is critical to get the job done smoothly and efficiently. Seats should be supportive and comfortable for long stretches of time and all controls must be placed in a way that is logical and intuitive.

We call this our DriverFirst™ philosophy.

The CV<sup>™</sup> Series provides drivers and passengers with automotive-like comfort, premium interior finishes and outstanding ergonomics. Multiple infotainment options are available including an 8" color touch screen with navigation and, for the first time in an International\* truck, Apple CarPlay and Android Auto are available.













# A FIELD OFFICE WITH PERKS

- The CV™ Series offers comfortable, three-across seating.
- 2. The center seat back can be lowered and used as an armrest and beverage holder.
- 3. Additional storage is located below the center seat cushion.
- 4. The Trailer Brake Controller helps drivers maintain control while towing.
- 5. All controls are within easy reach and can operated while wearing gloves.
- 6. The key fob includes optional Remote Start to help pre-heat the engine and cabin on cold days.
- 7. The CV Series is the first International Truck to offer Apple CarPlay and Android Auto.
- 8. Drivers can expect automotive-like levels of comfort including an available leather-wrapped steering wheel with fingertip controls.



# CONFIGURED TO MAKE THINGS EASIER, SAFER AND COMFORTABLE

- Auto-dimming rear view mirror is available
- Wide Load Side Mirrors with manual folding/ extending are standard. Powered/heated side mirrors with integrated turn signal are available
- Floor-mounted Center Console available with movable cup holders, cell phone storage,
   12-volt charger, 2 USB ports and hanging file folder capability (Crew cab only)



The CV™ Series is ready to go with built-in switch packs to control various application functions. One to four auxiliary switches are available for your specific needs depending on the trim level. Whether you need to control a dump or a roll-back, a switch is ready when you are.









Cab Features	Classic	Diamond
Interior Trim	Soft Touch Vinyl or Cloth	Cloth
Interior Color	Dark Ash or Jet Black	
Available Driver Seats	High-back Split Bench with Headrest, Recline, Fixed Lumbar, Vinyl High-back Split Bench with Headrest, Recline, Manual Lumbar, Cloth 10-Way Power High-back Split Bench with Headrest and Manual Lumbar	10-Way Power High-back Split Bench with Headrest and Manual Lumbar 10-Way Power Bucket (Crew Cab Only), Non-Suspension High Back with Headrest and Power Lumbar
Available Passenger Seats	Two-man, High Back with Headrest in Outboard Position, Center Fold-Down Armrest with Storage, Recline, Vinyl or Cloth, includes 2 USB ports and a 110 Volt outlet  Two-man, High Back with Headrest in Outboard Positions and Recline, Center Fold-Down Armrest with Storage and Underseat Storage, Cloth includes 2 USB ports and a 110 Volt outlet  High Back with Headrest and Recline, Without Center Section, Vinyl or Cloth	Two-man, High Back with Headrest in Outboard Positions and Recline, Center Fold-Down Armrest with Storage and Underseat Storage, Cloth, includes 2 USB ports and a 110 Volt outlet  Non-Suspension, High Back with Adjustable Headrest, 6-way Power Adjustable, Power Lumbar, Cloth (Crew Cab Only)
Rear Bench Seat (Crew Cab Only)	Rear Bench Vinyl or Cloth	Rear Bench Cloth
	Omit Rear Bench Seat	Omit Rear Bench Seat
Gauge Cluster	3.5" Monochromatic Display with Personalization, Speedometer, Odometer, Warning Messages and Vehicle Information	4.2" Color Display with Personalization, Speedometer, Odometer, Warning Messages and Vehicle Information
Air Bag	Driver and Passenger Front Airbags Standard	
Seat Belt Color	Black Available Orange Available Red	
Steering Wheel	4-spoke, 15" Black	4-spoke, 15" Leather Wrapped
Steering Column	Tilt Steering Column	
Center Console	Only available with crew cab, Diamond and bucket seats, or power driver and passenger seats	
End of Frame Auxiliary Work Light Provisions and Toggle Switch	Lighted on Instrument Panel and Wiring Effects for Customer Furnished End of Frame Light	
Roof Mounted Auxiliary Work Light Provisions and Toggle Switch	Lighted in Overhead Console and Wiring Effects for Customer Furnished Roof Mounted Light	
Auxiliary Switches	1 to 4 Latching Switches with 30-Amp Fuses	
Horn	Single, Disc Style Dual, Disc Style	
HVAC	Single Zone Heater and Air Conditioning	
Defroster, Electric Rear Window	Available	
Power Windows	Optional with regular cab, classic trim, Required with crew cab and base trim	Standard
AM/FM Stereo and Infotainment	4.2" color Touch Panel  • 4 Speaker System  • USB, AUX, SD*  7" Color Touch Panel  • 6 Speaker System  • Bluetooth, Seek/Scan, Satellite	8" Color Touch Panel  • 6 Speaker System  • USB, AUX, SD, Bluetooth, Seek/Scan, Satellite, Voice Activation, Navigation
Compact Disc Player	Available	Required, includes MP3
Interior Sunvisor	Vinyl	Vinyl with Illuminated Mirror for Driver and Passenger Sides
Rearview Mirror	Tilt Mirror	Light Sensitive Tilt Mirror
Rearview Camera	Available	Available
Power Inverter 12V DC to 110V AC	Available	Required
Remote Start	Not Available	Available Remote Start Keyfob includes Theft Deterrent System

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# **CAB CONFIGURATIONS**



# **SPECIFICATIONS**

# **GVWR**

- ▶4x2: 15.000 23.500 lbs.
- ▶ 4x4: 15.500 23.000 lbs.

# **GCWR**

Maximum 37.000 lbs.

# Models/BBC/BA

►CV515: 115" BBC, 34" BA

# **Cab Configurations**

- ▶ Regular Cab
- ▶ Crew Cab

# Frame

► High Strength, Low Alloy Steel 50,000 PSI

# Front End

▶ Tilting Fiberglass Hood with 3-Piece Construction

# **Fender Extensions**

- ▶ Molded in black
- ▶ Painted

# Grille

- ► Molded Dark gray
- ▶ Chrome with Chrome Headlight Bezels

# Grille Bug Screen

► Available Bug Screen Mounted Behind Grille

# **Grille Ember Screen**

► Available Mounted behind Grille to Keep Hot Embers out of Engine and HVAC Air Intake System

# **Radiator Stone Guard**

Available, mounted to front bumper

## Bumper

- ▶ Full Width, Aerodynamic, Steel, Painted Gray
- Full Width, Aerodynamic, Steel, Chrome Plated
- ▶ Full Width, Aerodynamic, Steel, Painted Black

# **Tow Hooks**

► Available (2) Frame Mounted Tow Hooks

# **Bumper Extension**

► Available 4" Front Bumper Extension

# **Cab Access Steps**

- ▶ One Painted Step per Door standard
- ► Available Bright Aluminum Steps

# Cab Mirrors

- ▶(2) Wide Load, Manual Folding and Extending, Black Head, Mounting Bracket and Arm
- ▶ (2) Wide Load, Manual Folding and Extending, Black Head, Mounting Bracket and Arms, Heated Head, Turn Signal Indicator Located in Mirror, Power Operated
- ▶(2) Wide Load, Manual Folding and Extending, Bright Head, Black Mounting Bracket and Arms, Heated Head, Turn Signal Indicator Located in Mirror, Power Operated

# Cab Glass

- ▶ All Windows Solar Absorbing Tint
- ▶ Deep Tinted, Rear Glass Only on Standard Cab, Rear Doors and Rear Glass on Crew Cab

• 219" (138" CA)

• 231" (150" CA)

• 243" (162" CA)

# **Wheelbase Options**

- ▶ Regular Cab
- 141" (60" CA)
- 165" (84" CA)
- 189" (108" CA) • 201" (120" CA)
- ► Crew Cab
- 175" (60" CA)
- 235" (120" CA) • 199" (84" CA)

# **Axle Configurations**

▶4x2, 4x4

# **Front Axle**

# ▶4x2

- Dana Spicer 6.000 lbs.
- Dana Spicer 7.000 lbs.
- Dana Spicer 8.000 lbs.

# ▶4x4

• Dana Spicer 7,500 lbs. with manual locking hubs

# **Front Suspension**

## ▶4x2

- Taper Leaf Shackle Type 6,000 lbs. with Shock Absorbers
- Taper Leaf Shackle Type 7,000 lbs. with Shock Absorbers

CV™ SERIES CREW CAB

• Parabolic Taper Leaf 8,000 lbs. with Shock Absorbers

• Parabolic Taper Leaf 7.500 lbs. with Shock Absorbers

# Front Stabilizer Bar

► Available Front Stabilizer Bar

# **Front Brakes**

▶ Hydraulic Disc, Quadraulic Four 64mm Diameter Pistons

# Rear Axle

- ▶ Dana Spicer S14-110 Single Reduction, 10,000 lbs.
- ▶ Dana Spicer S14-110 Single Reduction, 11,000 lbs.
- ▶ Dana Spicer S14-110 Single Reduction, 13,500 lbs.
- Dana Spicer S16-130 Single Reduction, 15,000 lbs.
- ▶ Dana Spicer S16-130 Single Reduction, 15,500 lbs.

# **Rear Suspension**

- ▶ Spring, Vari-Rate: 11,000 15,500 lbs.
- ► Air, International\* Ride Optimized Suspension (IROS): 12,000 - 15,500 lbs (4x2 only).

# **Air Suspension Control Valve**

► Available Pressure release Control in Cab

# Rear Axle Ratio

- ▶4x2: 4.10, 4.30, 4.56, 4.88
- ▶4x4: 4.30

# Rear Brakes

▶ Hydraulic Disc, Quadraulic Four 64mm Diameter Pistons







# **SPECIFICATIONS CONTINUED**

## **Differential Lock**

► Available Dana Spicer Truetrac Torque Proportioning Limited Slip Differential

# **Electrical**

- ▶ Batteries
- (2) Batteries: 1100 1300 CCA
- (3) Batteries: 2250 CCA\*
- ► Alternator
- Denso: 150 220 amps
- Optional Dual Alternators
- ▶ Jump Start Stud
- Available Remote Mounted
- ▶ Headlights
- Halogen Composite Aero with Chrome Trim Bezel
- Halogen Composite Aero with Black Trim Bezel
- ▶ Fog lights
- Available (2) Clear Lens, Halogen, Rectangular
- ► Body Builder Wiring
- Rear of Frame; Includes One Sealed Connector for Separate Ground/Backup/ Left and Right Hand Turn, Left and Right Hand Tail/Stop/ Accessory Power and Combined for Left and Right Hand Stop/Turn
- Back of Cab at Left Frame; Includes One Sealed Connector for Separate Ground/Backup/Left and Right Hand Turn, Left and Right Hand Tail/Stop/Accessory Power and Combined for Left and Right Hand Stop/Turn

# **Battery Box**

▶ Steel with Plastic Cover, 2 Batteries Parallel to Rail, 28" Wide, Mounted Left Side Under Cab

# **Brake System**

▶ Hydromax with Traction Control and Four Channel ABS

# **Trailer Brake Control**

► Available Integrated Trailer Brake Control

# **Trailer Connection Socket**

Available Mounted at Rear of Frame. Wired for Turn Signals Combined with Stop, Compatible with Trailers That Use Combined Stop, Tail, Turn Lamps

# Steering

▶ Bosch: S2 8014 Plus

# **Fuel Tanks**

- ► Single, Rectangular 25 Gallon, Mounted Between Rails Forward of Rear Axle
- ► Single, Rectangular 40 Gallon, Mounted between Rails Behind Rear Axle
- ▶ Dual, Rectangular 25 / 40 Gallon, 65 Total Gallons

# **Diesel Exhaust Fluid Tank**

▶ 6.75 Gallon, Frame Mounted Outside Right Rail, **Under Cab** 

# **Engine**

- ► International® 6.6 V8 Turbocharged Diesel Engine
- 350 hp @ 2700 RPM
- 700 lb. ft. torque @1600 RPM
- 2900 RPM Governed Speed

# **Engine Exhaust Brake**

► Available Engine Exhaust Brake

# **Exhaust System**

- ▶ Horizontal, Frame Mounted, Right Side Under Cab
- WB greater than 141": Straight tailpipe, exits right or available left side ahead of rear axle
- 141" WB: Over rear axle, exits behind rear axle

## **Hand Throttle**

► Available Engine Speed Control for PTO

# **Fan Drive**

▶ Viscous Screw On Type, Rear Tether, Electronically Controlled

# **Engine Block Heater**

► Available 120 Volt 800 Watt

# **Heater Hoses**

# **Keyless Entry System Remote**

Available with Panic Alarm and Horn Beep Lock Confirmation, Includes Two Key Fob Transmitters

# **Transmission**

- ▶ Allison 6-speed: 1700, 1750, 2700, 2750 Series
- Available Vocational Codes: HS, RDS, EVS, MH
- With or Without PTO Provision
- Includes Park Pawl
- With Double Overdrive

# PTO

► Available Transmission-mounted, Right Side (requires PTO-equipped transmission)

# **Transfer Case (4x4)**

Meritor: 3203, 2-speed, Gear Drive with Electric Shifting Controls, with optional skid plate

# **Transfer Case Skid Plate**

▶ Frame-mounted Protective Plate (available with off-road package)

# Wheels

- ▶ Powder Coat Steel, Accuride 50180 Disc, 19.5x6.75 Rims, 4-Hand Hole, 8-Stud, 275mm BC, Hub-Piloted, Flanged Nut. with Steel Hubs
- ▶ Polished Aluminum, Accuride 29695 DISC, 19.5x6.75 Rims, 8-Stud, 275mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

# Tires

- ▶ Hankook
- ▶ Continental\*\*
- ▶ Goodyear

# WARRANTY

- ▶ Base Chassis Warranty: 3/36k
- ▶ Base Engine Warranty: 5/100k



<sup>\*</sup> Delivered with batteries temporarily mounted back of cab

<sup>\*\*</sup> Continental available for higher 23,000 and 23,500 lbs. **GVWR** applications



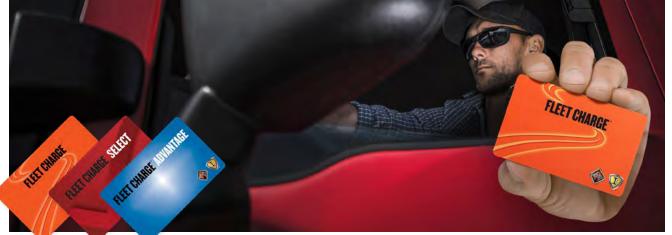


# DRIVING PROFITABILITY

MORE TIME
ON THE
ROAD AND
LESS TIME
WAITING FOR
REPAIRS

We understand making money means keeping your vehicles on the road. That's why uptime is so important to us. Dependable equipment spec'd for your needs or requirements is just the beginning. We also focus on fuel economy, preventive maintenance, optimized service intervals, and more to make sure the low cost of ownership of our vehicles helps keep you in the black.





Maximum Uptime -Repair before Failure



Prognostics that move unplanned repairs to planned. Optimizing maintenance using vehicle performance and predictive data.

Predictive Parts Stocking



Dealer parts inventory management uses AI and telematics data to predict stocking needs. This ensures the best parts are on dealer shelves to support customers.

# NAVISTAR FINANCIAL. UNLOCK YOUR POTENTIAL.

Navistar Financial offers flexible solutions to fit your financing needs, helping you secure the best products for your specific situation. Whether you're a loan customer or a lease customer the Navistar Financial team can provide you with the best option suited to your business.



For more information or to contact
Navistar Financial,
scan the QR code.







# TRUCK CARE

Our partnership with

# **Love's Truck Care & Speedco**

adds 400+ additional locations for quick, conveniently located access to light mechanical and select warranty work\*.

# PARTS YOU NEED WHERE AND WHEN YOU NEED THEM

\* Warranty-covered parts must be a certified International installed part for International Truck dealer service locations to honor warranty. Love's and Speedco locations in Texas and Louisiana cannot perform warranty services.







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. TAD18038 11/2023 ©2023 NAVISTAR Inc. All rights reserved. All marks are trademarks of their respective owners.