

INTERNATIONAL



CV™ SERIES COMPARISON GUIDE

BUILT TO ELEVATE YOUR BUSINESS.

The International® CV™ Series truck 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 also supported by the largest commercial dealer network in the industry, including more dedicated truck bays and diesel technicians than anyone else. And best of all, the CV Series can be tailored to your business needs, thanks to an upfitter friendly straight frame and a wide range of wheelbase options.

- 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 engine-mounted compressor can be used to adjust height and provide a 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



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.

GVW

4x2: 16,250 – 23,500 lbs.
4x4: 17,500 – 23,000 lbs.

BBC/BA

CV515: 115" / 34"

Cab options

Regular cab
Crew cab

Wheelbase options

165" – 243"
175" – 235" (4x4)

Axle configurations

4x2; 4x4

Front axle/Suspensions

4x2: (Dana Spicer) 6,250 – 8,000 lbs.
4x4: (Dana Spicer) 7,500 lbs.

Rear axle

Dana Spicer: 10,000 – 15,500 lbs.

Rear suspensions

Spring, vari-rate: 11,000 – 15,500 lbs.
Air, International ride optimized suspension (IROS): 12,000 – 15,500 lbs.

Frames

High strength, low alloy steel 50,000 PSI

Electrical system

Alternators
• Denso: 150 – 220 amps
• Optional dual alternators
Battery systems
• (2) Batteries: 1100 – 1300 CCA
• (3) Batteries: 2250 CCA*

Exhaust sytem

Horizontal, Frame Mounted, Right Side Under Cab
• 165" and 175" wheelbases, the standard horizontal tailpipe exits right side over the rear axle, behind the rear wheel
• Trucks with greater than 189" wheelbase, a straight horizontal tailpipe is standard
Optional:
• 189" WB and greater can be horizontal and exiting, right side ahead of rear wheel
• 175" WB and greater can be horizontal and exiting, left side ahead of rear wheel

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

Brake system

Hydromax with Traction Control and Four Channel ABS

Steering gear

Bosch: S2 8014 Plus

Engines

International® 6.6 V8 turbocharged diesel engine: 350 hp @ 2500 RPM, 750 lb.-ft Torque @ 1400 RPM, 2900 RPM governed speed

Transmissions

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

Fuel tanks

Standard Single Rectangular 40 Gallon, Mounted Between Rails Behind Rear Axle
• Available Single Rectangular 25 Gallon, Mounted Between Rails Forward of Rear Axle
• Available Dual Rectangular 25/40 Gallon, 65 Total Gallons

PTO (Power Take Off)

Available transmission-mounted left side, right side or left and right side (requires PTO-equipped transmission)

Transfer case (4x4)

Meritor: MTC-3203, 2-speed, Gear drive, 3,000 lb.-ft capacity with electric shifting controls with optional skid plate

Transfer case skid plate

Frame-mounted protective plate (available with off-road package)

Tires

Pirelli, Continental**, Goodyear

Warranty

Base chassis warranty: 3 years / 36,000 miles
Base engine warranty: 5 years / 100,000 miles
Transmission warranty: 5 years / unlimited miles

*Delivered with batteries temporarily mounted back of cab

**Continental available for higher 23,000 and 23,500 lbs. GVWR applications

COMPETITIVE SET

The International® model was compared side-to-side against several of its competitors. Although all models have unique design elements and component availability, every measure has been taken to perform an accurate head-to-head comparison of key specifications, components, and features.



COMPETITIVE SET	INTERNATIONAL CV MAIN	FORD F-550 MAIN	RAM 5500 MAIN
BBC	115"	123.7"	123"
BA	39.4"	38.3"	38.7"
Engine	International 6.6 350 HP	Ford Power Stroke 6.7 330 HP	Cummins 6.7 320 HP
Transmission	Allison 2000 RDS	Torque Shift 6-speed	AISIN 6-speed
Frame	7.38" x 3.1" x .312"	5.8" x 4.3" x .3"	6.3" x 3" x .31"
Front Axle	Dana 60-256 7.5K	Dana Super-60 7.5K	Dana 7K
Rear Axle	Dana 516-130 15K	Dana 13.6K	Dana 13K
Rear Suspension	Vari-rate 15.5K	Multi-leaf 13.6K	Multi-leaf 13.5K
Tire Manufacturer	Continental	Continental	Continental
Front Tires	225/70R19.5	225/70R19.5	225/70R19.5
Front Tire Tread	HS3	HSR	HDR
Rear Tires	225/70R19.5	225/70R19.5	225/70R19.5
Rear Tire Tread	HS3	HSR	HDR
Base Warranty	3 years / 36,000 miles	3 years / 36,000 miles	3 years / 36,000 miles

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 had one mission: to create one of the toughest, most capable, most upfit-friendly trucks at the jobsite. 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.

KEY FEATURES

- Storage options are plentiful and all controls are designed to be easy to operate while wearing gloves
- Natural spacing of steps improves entry-egress and reduces driver fatigue in applications where drivers are continually in and out of the cab
- The folding side mirrors can include LED turn indicators plus rear-facing LED lights to illuminate cargo and equipment

COMMERCIAL-GRADE FROM THE WHEELS TO THE CLEARANCE LIGHTS



The Forward-Tilting Hood provides easy access to the engine and routine service points



Tool-less headlight bulb replacement



Standard, self-cleaning, high-grip steps are ideally placed so drivers and passengers can enter and exit the cab with ease



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

CAB DESIGN

KEY SPECS

VISIBILITY

GLASS



KEY SPECS		INTERNATIONAL CV CAB	FORD F-550 CAB	RAM 5500 CAB
BBC		115" 149.5"	123.7" 146.3" 158"	123" 152"
BA		34"	38"	39"
GVWR		22,500 lbs.	19,500 lbs.	19,000 lbs.
Cab Construction		Welded Steel	Aluminum Alloy	Welded Steel
Available Cabs / Sleepers		Day Cab Crew Cab: 35.5"	Day Cab Super Cab: 22.5" Crew Cab: 34.3"	Day Cab Crew Cab: 29"
Hood Design		3-piece	Automotive-stamp	Automotive-stamp
Step Height	Ground to Step	19"	17"	28.75"
	Step to Step	16.75"	11.5"	0"
	Step to Cab	0"	0"	0"
	Total Cab Height	35.75"	28.5"	28.75"
	Average Spacing Difference	9.5"	8.5"	28.75"

CAB DESIGN

KEY SPECS

VISIBILITY

GLASS



VISIBILITY	INTERNATIONAL CV CAB	FORD F-550 CAB	RAM 5500 CAB
Driver Side Rear	136"	132.4"	135"
Driver Side Forward	206.7"	156.5"	181.6"
Forward Straight Ahead	441.8"	455.3"	436.4"
Forward Over Center	482.5"	472.2"	522.8"
Forward at Hood Corner	516.5"	507.6"	533.8"
Forward Wiper	531"	601.1"	541.4"
Forward Right Side	576.9"	616.3"	501.3"
Passenger Side Forward	384.1"	293.6"	374.2"
Passenger Side Rear	382.6"	363.6"	410.4"

CAB DESIGN

KEY SPECS

VISIBILITY

GLASS



GLASS	INTERNATIONAL CV CAB GLASS	FORD F-550 CAB GLASS	RAM 5500 CAB GLASS
Windshield Design	1-piece	1-piece	1-piece
Windshield Installation	Bonded	Bonded	Bonded
Windshield Slope	34°	34°	32°
Windshield Area	1,418 sq. in.	1,610 sq. in.	1,593 sq. in.
Wiper Coverage	1,137 sq. in.	1,273 sq. in.	1,225 sq. in.
Wiper Efficiency	80%	79%	77%
Side Glass	936 sq. in.	956 sq. in.	1,174 sq. in.
Rear Glass	672 sq. in.	669 sq. in.	707 sq. in.
Total Glass	3,026 sq. in.	3,235 sq. in.	3,474 sq. in.

COMFORT ZONE MEETS WORK ZONE.

The CV Series is built to handle whatever the jobsite throws at it. Supportive, high-wear cloth seats keep your crew comfortable. Inlaid, triple seal doors reduce outside road noise. All controls are designed to be easy to operate while wearing gloves and plenty of storage options help keep you organized, including an available center console with hanging file folder capability. Smart, quiet and strong, the CV Series is the ultimate workplace solution.

KEY FEATURES

- The CV Series offers comfortable, three-across seating
- Additional storage is located below the center seat cushion
- The key fob includes optional Remote Start to help pre-heat the engine and cabin on cold days

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.

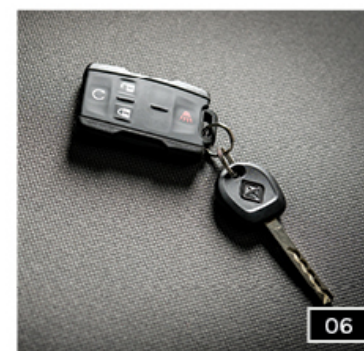
We call this our DriverFirst philosophy.

The CV Series provides drivers and passengers with automotive-like comfort, premium interior finishes and outstanding ergonomics. Multiple infotainment options are available, including an 8-inch 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

- 01 The CV Series offers comfortable, three-across seating.
- 02 The center seat back can be lowered and used as an armrest and beverage holder.
- 03 Additional storage is located inside the first row center backrest.
- 04 The Trailer Brake Controller helps drivers maintain control while towing.
- 05 All controls are within easy reach and can be operated while wearing gloves.
- 06 The key fob includes optional remote start to help preheat the engine and cabin on cold days.
- 07 The CV Series is the first International truck to offer Apple CarPlay and Android Auto.
- 08 Drivers can expect automotive-like levels of comfort, including an available leather wrapped steering wheel with fingertip controls.



CAB INTERIOR

INTERIOR DIMENSIONS

DRIVER ENVIRONMENT



INTERIOR DIMENSIONS

INTERNATIONAL CV | INTERIOR DIMENSIONS

FORD F-550 | INTERIOR DIMENSIONS

RAM 5500 | INTERIOR DIMENSIONS

Cab Width at Shoulder Level	67.25"	68.75"	69.75"
Cab Width at Hip Level	61.25"	62.75"	62.75"
Fuel Pedal to Back of Cab	54.5"	49.25"	58.5"
Floor to Roof at Seat Edge	44.75"	48"	45.75"
Total Volume Cab	64.01 cu. ft.	71.15 cu. ft.	75.11 cu. ft.
Door Opening Height	45.5"	45.75"	46.5"
Door Opening Width	39.5"	40.25"	42.5"
Door Opening Angle	67°	75°	66°

CAB INTERIOR

INTERIOR DIMENSIONS

DRIVER ENVIRONMENT



DRIVER ENVIRONMENT

INTERNATIONAL CV | INTERIOR

FORD F-550 | INTERIOR

RAM 5500 | INTERIOR

Belly Room		24.5"	23.25"	19.75"
Leg Room		28.22"	26.93"	26.98"
Head Room	Minimum	31"	35"	34"
	Maximum	32.25"	35"	34"
Sound Levels Interior	@idle	48.6 dB	49.4 dB	59.6 dB
	750 rpm	48.6 dB	43 dB	59.6 dB
	1000 rpm	N/A	N/A	N/A
	1500 rpm	52.6 dB	51.7 dB	61.8 dB
	Governed	60.1 dB	65.2 dB	72.5 dB
Sound Levels Exterior	@idle	71.8 dB	64.8 dB	78.9 dB
	750 rpm	71.8 dB	67.3 dB	78.9 dB
	1000 rpm	N/A	N/A	N/A
	1500 rpm	79 dB	76 dB	81.6 dB
	Governed	89.1 dB	90.6 dB	94.2 dB

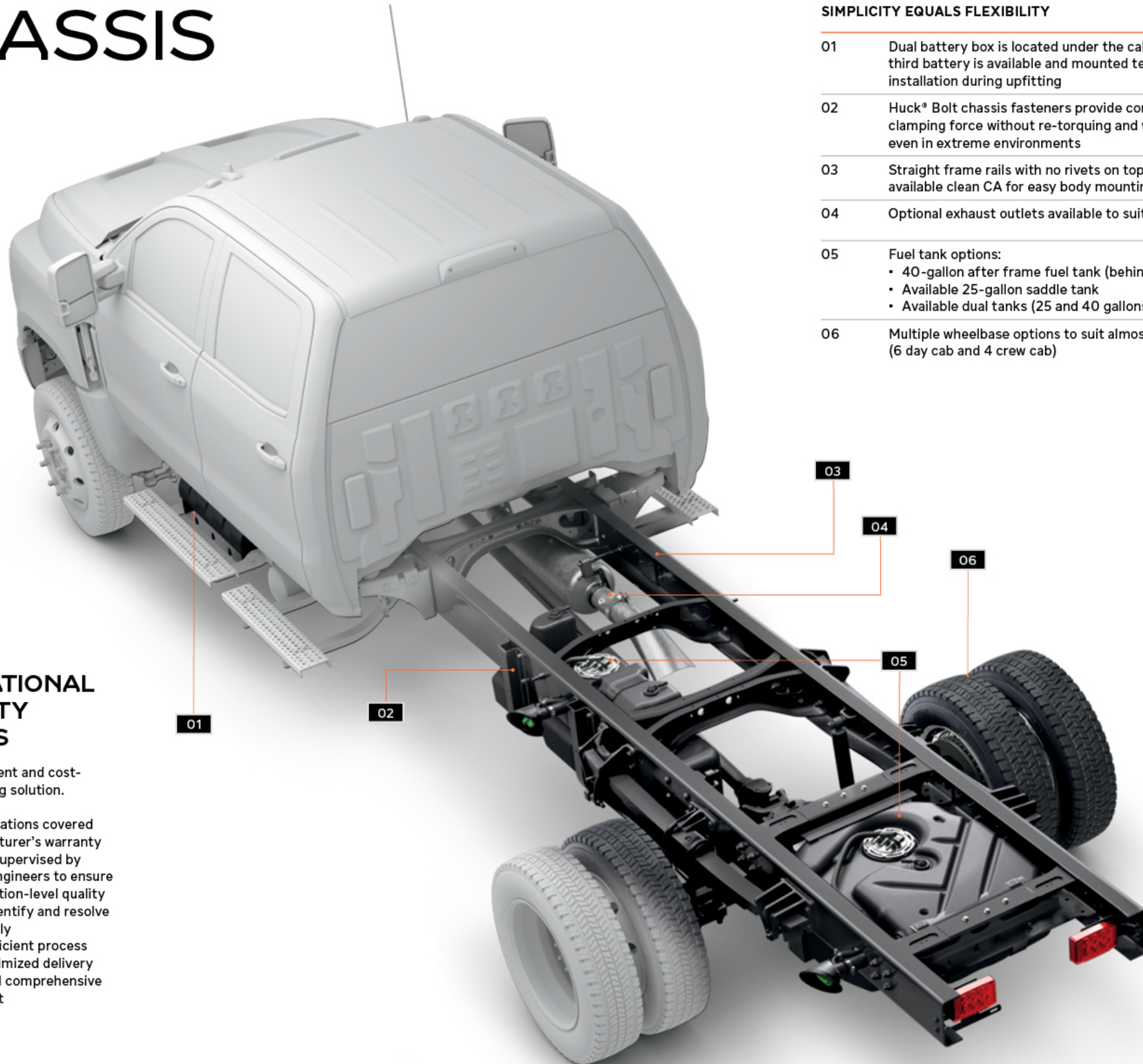
FIT TO BE UPFITTED.

When customers choose an International truck, they know the upfit process will be simple and straightforward. 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 or even different exhaust locations. Whatever the customer needs, the CV Series can accommodate.

KEY FEATURES

- Huck® Bolt chassis fasteners provide consistently superior clamping force without re-torquing, 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
- Dual battery box is located under the cab. An optional third battery is available and mounted temporarily for final installation during upfitting

CHASSIS



SIMPLICITY EQUALS FLEXIBILITY

- | | |
|----|--|
| 01 | Dual battery box is located under the cab. An optional third battery is available and mounted temporarily for final installation during upfitting |
| 02 | Huck® Bolt chassis fasteners provide consistently superior clamping force without re-torquing and won't come loose even in extreme environments |
| 03 | Straight frame rails with no rivets on top flange with an available clean CA for easy body mounting |
| 04 | Optional exhaust outlets available to suit vocation and body |
| 05 | Fuel tank options: <ul style="list-style-type: none">• 40-gallon after frame fuel tank (behind rear axle)• Available 25-gallon saddle tank• Available dual tanks (25 and 40 gallons, respectively) |
| 06 | Multiple wheelbase options to suit almost any application (6 day cab and 4 crew cab) |

INTERNATIONAL SPECIALTY CENTERS

Your 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

CHASSIS

FRAME

FUEL TANK CAPACITY

AXLES

TURN ANGLE

UPFITTER



FRAME		INTERNATIONAL CV FRAME	FORD F-550 FRAME	RAM 5500 FRAME
Frame Rating (RBM)		404,000 - 546,500 lbs.	Not Published	Not Published
Front of Frame Extensions	Integral	Not Available	Not Available	Not Available
	Bolt-On	Not Available	Not Available	Not Available
	Bumper Extension	4"	Not Available	Not Available

CHASSIS

FRAME FUEL TANK CAPACITY AXLES TURN ANGLE UPFITTER



FUEL TANK CAPACITY

INTERNATIONAL CV | FRAME

FORD F-550 | FRAME

RAM 5500 | FRAME

Fuel Tank	25 - 65 gal.	26.5 - 66.5 gal.	22 - 74 gal.
DEF Tank	6.75 gal.	7.2 gal.	5.5 gal.

CHASSIS

FRAME

FUEL TANK CAPACITY

AXLES

TURN ANGLE

UPFITTER



AXLES		INTERNATIONAL CV AXLE	FORD F-550 AXLE	RAM 5500 AXLE
Configurations	Set Forward	Not Available	Not Available	Not Available
	Set Back	34"	38"	39"

CHASSIS

FRAME

FUEL TANK CAPACITY

AXLES

TURN ANGLE

UPFITTER



TURN ANGLE	INTERNATIONAL CV FRAME	FORD F-550 FRAME	RAM 5500 FRAME
Left Wheel, Left Turn Wheel Cut	42°	45°	40°
Right Wheel, Right Turn Wheel Cut	42°	46°	41°
Calculated Turning Radius	25.7'	24.3'	26.6'

CHASSIS

FRAME FUEL TANK CAPACITY AXLES TURN ANGLE **UPFITTER**



UPFITTER

INTERNATIONAL CV | FRAME

FORD F-550 | FRAME

RAM 5500 | FRAME

Body Builder Wiring Access

Back of Cab, Under Crew Cab, End of Frame

Under Hood, End of Frame

Under Hood(Lighting), End of Frame

Maximum Upfitter Auxiliary Switches

Up to 4

Up to 6

Up to 5

NEXT-LEVEL CAPABILITY.

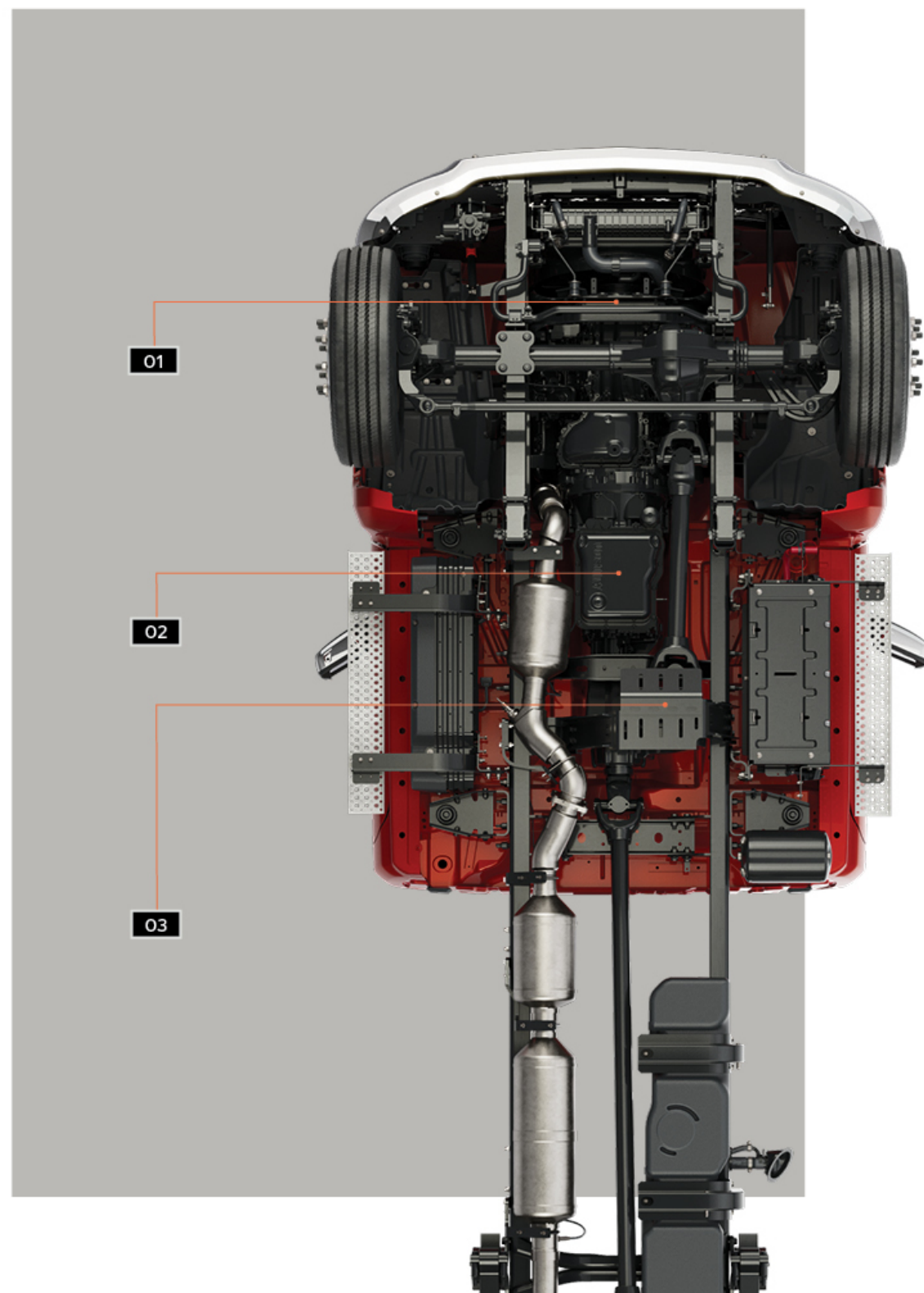


The CV Series is powered by one of the most rugged, trusted and thoroughly tested engine/transmission combinations in the industry. During the CV Series validation process, this powertrain proved itself over and over — from the brutal cold of Alaska to the punishing heat of Arizona and the extreme altitude of the Colorado Rockies. Over one million examples of this legendary duo are currently on the road making deliveries, hauling gear and getting the job done.

KEY FEATURES

- The International® 6.6L with 750 lb-ft of torque on tap, has the muscle to pull, haul and carry the heaviest of loads
- Allison has a long and proven history in commercial trucks. It's a transmission you can trust to help you take care of business
- Available PTO (Power Take Off) capability to run auxiliary equipment

POWERTRAIN



CORROSION PROTECTION

01	International® 6.6 Engine	With 750 ft-lb of torque on tap, the CV Series has the muscle to pull, haul and carry the heaviest of loads. ▪ 350 HP, 750 ft-lb of torque ▪ Optional engine-mounted air compressor ▪ Diesel exhaust brake ▪ Optional Remote Start with Key Fob — includes anti-theft deterrent system ▪ Optional 120V/800-watt block heater
02	6-Speed Allison Transmission	As the largest manufacturer of medium- and heavy-duty 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)
03	Confident 4x4 Capability	For demanding applications that require access to challenging jobsites. ▪ Meritor gear-driven transfer case — more durable than most chain-driven designs ▪ Heavy-duty 7,500-lb. front drive axle

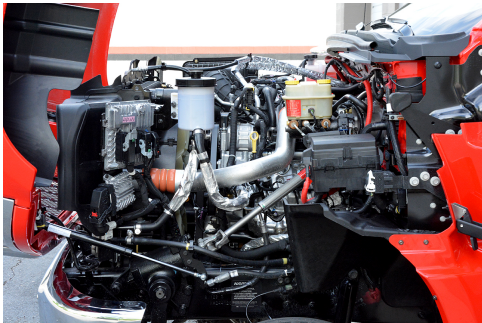
POWERTRAIN

ENGINE SPECS

TRANSMISSION

PTO

ROUTINE MAINTENANCE



ENGINE SPECS	INTERNATIONAL CV ENGINE	FORD F-550 ENGINE	RAM 5500 ENGINE
Engine	International 6.6	Ford Powerstroke 6.7 Ford 7.3 V8 Gas	Cummins 6.7 Hemi 6.4 V8 Gas
Displacement	6.6L	6.7L 7.3L	6.7L 6.4L
Horsepower	350 hp	330 hp 335 hp	360 hp 370 hp
Torque	750 lb.-ft.	950 lb.-ft. 468 lb.-ft.	800 lb.-ft. 429 lb.-ft.
Warranty	5 years / 100,000 miles	5 years / 100,000 miles 5 years / 60,000 miles	5 years / 100,000 miles 5 years / 60,000 miles

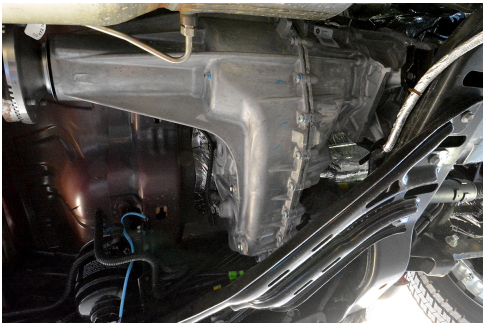
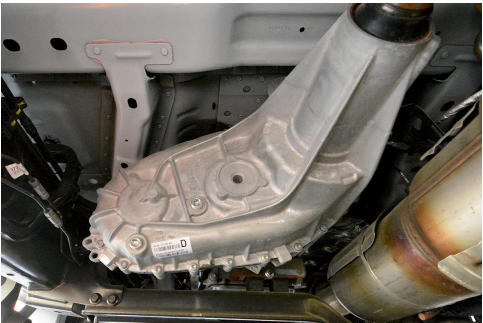
POWERTRAIN

ENGINE SPECS

TRANSMISSION

PTO

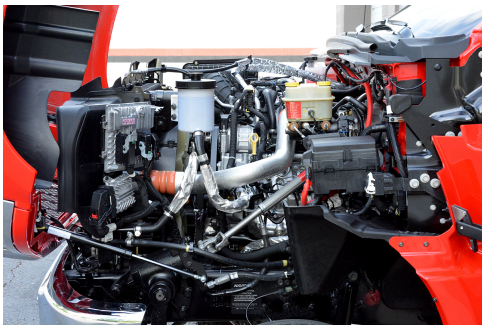
ROUTINE MAINTENANCE



TRANSMISSION	INTERNATIONAL CV TRANSMISSION	FORD F-550 TRANSMISSION	RAM 5500 TRANSMISSION
Manual	Not Available	Not Available	Not Available
Automated	Not Available	Not Available	Not Available
Automatic	Allison 1000, 2000: 6-speed	Ford TorqShift: 10-speed	Aisin AS69RC HD, AS66RC HD: 6-speed

POWERTRAIN

ENGINE SPECS TRANSMISSION PTO ROUTINE MAINTENANCE



PTO		INTERNATIONAL CV ENGINE	FORD F-550 ENGINE	RAM 5500 ENGINE
FEPTO		Not Available	Not Available	Not Available
REPTO		Not Available	Not Available	Not Available
Transmission	Model	Allison 1000 Allison 2000	Ford TorqShift	Aisin AS69RC HD Aisin AS66RC HD
	Location	LH / RH Side Mount (N/A - HS Series)	LH Side Mount	RH Side Mount
	Size	6-Bolt	6-Bolt	6-Bolt

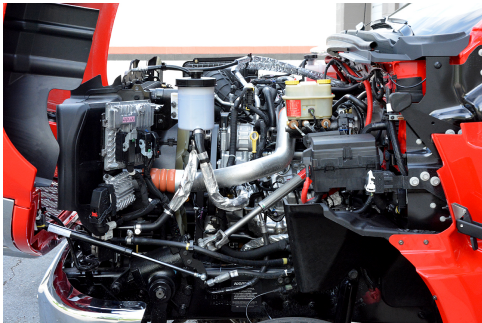
POWERTRAIN

ENGINE SPECS

TRANSMISSION

PTO

ROUTINE MAINTENANCE



ROUTINE MAINTENANCE

INTERNATIONAL CV | ENGINE

FORD F-550 | ENGINE

RAM 5500 | ENGINE

Oil and Filter	10,000 miles	10,000 miles	7,500 - 10,000 miles 4,000 - 6,000 miles
Fuel Filter	22,500 miles	22,500 miles Not Available	15,000 miles Not Available
Coolant Filter	150,000 miles	105,000 miles Not Available	150,000 miles
Hood Tilt Range	74°	45°	47°



Find out more at
International.com

International
2701 International Drive, Lisle, IL 60532