

2016 | **F-650/F-750 SUPER DUTY®**





# BIG. BOLD. AND BETTER THAN EVER.

The all-new 2016 F-650/F-750 Super Duty. Ford built powertrains. Ford TorqShift® HD 6-speed automatic transmission. Completely new frames. More upfit-friendly with 36 standard clean CA configurations. Engineered and assembled right here in the heartland of the USA! Tested and proven to be Built Ford Tough.®

*F-650 SuperCab. Gas. Shadow Black. F-750 Regular Cab. Diesel. Oxford White. F-750 Crew Cab. Diesel. Tangier Orange. Available equipment.*

*\*Assembled in the USA with domestic and foreign parts. Vehicles throughout this PDF may be shown with optional and aftermarket upfit equipment.*

2016 **F-650/F-750 SUPER DUTY**  
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# FORD TESTED. THROUGH AND THROUGH.

It all starts here. Built Ford Tough® is our standard for long-lasting durability. It defines the way every Ford Commercial Vehicle is built and tested. From top to bottom. Inside and out. Over and over again.

**Engineered by Ford for long-lasting durability.** Both Ford built powertrains (gas and diesel) are subject to a multitude of harsh tests in the lab and real world. The next-generation 6.7L Power Stroke® V8 Turbo Diesel,<sup>1</sup> enhanced for medium-duty use, endured the equivalent of 500,000+ miles on an engine dynamometer – replicating the duty cycle of our harshest-use customers.

**Tested by Ford to be Built Ford Tough.** So tough, in fact, that developmental vehicles had to be autonomously driven by robots to limit driver exposure to punishing conditions. Procedures include thousands of miles of extremely rough test routes simulating gravel washboard, ruts and severe potholes. Testing includes several thousand Body and Frame twists and severe cobblestones placed in a random pattern to provide intensive rough road input. That's Ford Tough.

**Assembled by Ford in the USA.<sup>2</sup>** Design. Manufacturing. Testing. Service. In-house development offers medium-duty customers hard-working capability, selection and value. Resulting in a new 2016 Ford F-650/F-750 Super Duty that's built for the long haul.



F-750 Regular Cab. Diesel. Oxford White. Available equipment.

<sup>1</sup>Available feature. <sup>2</sup>Assembled using domestic and foreign parts.

2016 F-650/F-750 SUPER DUTY<sup>®</sup>

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# POWERED BY FORD.

Two proven engine choices. One heavy-duty transmission. Each designed, engineered, tested and built by Ford – for integrated performance and optimized efficiency. Our next-generation, B20-capable 6.7L Power Stroke® V8 Turbo Diesel<sup>1</sup> generates a best-in-class<sup>2</sup> standard horsepower (270) and torque (675 lb.-ft.). And with no vocational restrictions on its 3 engine power ratings, scaling engine power to your work applications is quick and easy. A class-exclusive 6.8L Triton® V10 3-valve gas engine<sup>3</sup> can be equipped to run on alternative fuels. Both are mated to our TorqShift® HD 6-speed automatic transmission.

## 6.7L Power Stroke V8 Turbo Diesel

### Horsepower

○ 330 @ 2,600 rpm

○ 300 @ 2,500 rpm

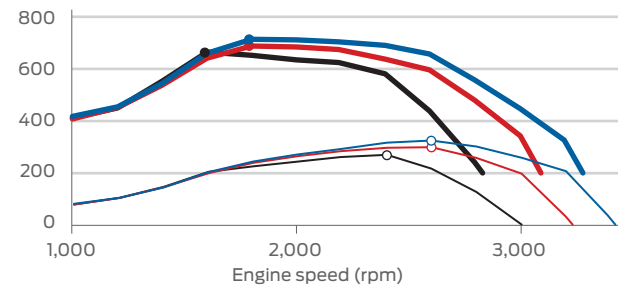
○ 270 @ 2,400 rpm

### Torque

● 725 lb.-ft. @ 1,800 rpm

● 700 lb.-ft. @ 1,800 rpm

● 675 lb.-ft. @ 1,600 rpm



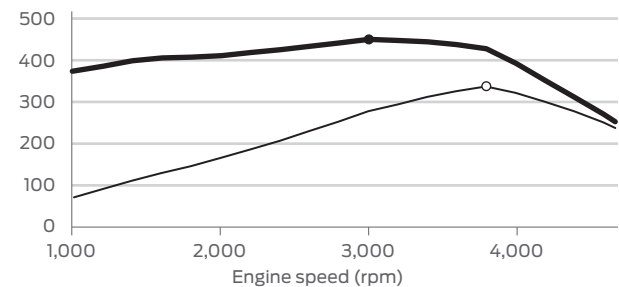
## 6.8L Triton V10 3-Valve Gasoline

### Horsepower

○ 320 @ 3,900 rpm

### Torque

● 460 lb.-ft. @ 3,000 rpm



F-750 Regular Cab. Diesel. Oxford White. Available equipment.

<sup>1</sup>Available feature. <sup>2</sup>Class 6-7 Conventional Chassis Cabs.

2016 F-650/F-750 SUPER DUTY™

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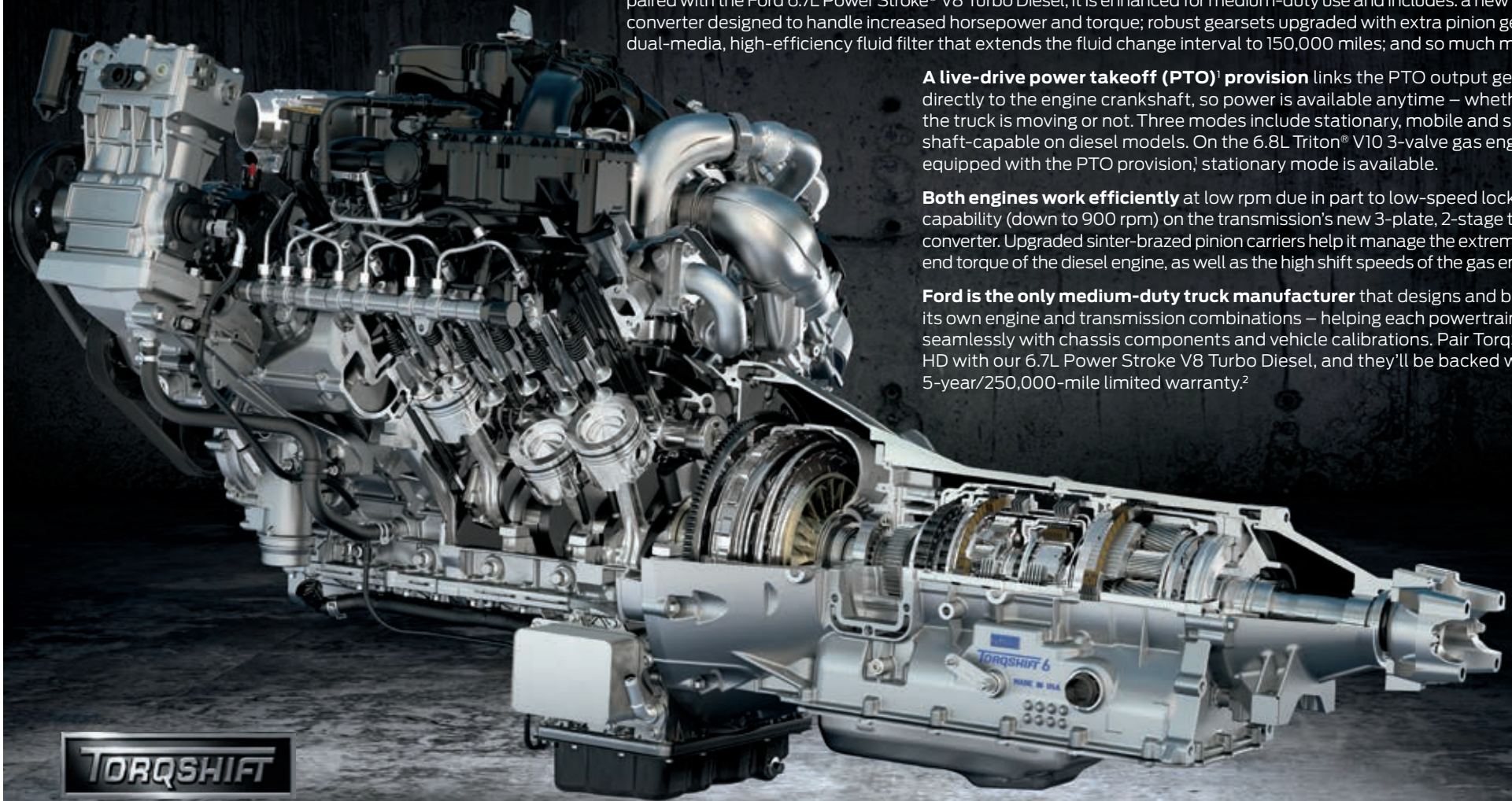
# FORD TORQSHIFT HD 6-SPEED AUTOMATIC TAMES THE TORQUE.

Introducing your new standard in heavy-duty: the upgraded Ford TorqShift® HD 6-speed automatic transmission. Now paired with the Ford 6.7L Power Stroke® V8 Turbo Diesel, it is enhanced for medium-duty use and includes: a new torque converter designed to handle increased horsepower and torque; robust gearsets upgraded with extra pinion gears; a dual-media, high-efficiency fluid filter that extends the fluid change interval to 150,000 miles; and so much more.

**A live-drive power takeoff (PTO)<sup>1</sup> provision** links the PTO output gear directly to the engine crankshaft, so power is available anytime – whether the truck is moving or not. Three modes include stationary, mobile and split-shaft-capable on diesel models. On the 6.8L Triton® V10 3-valve gas engine equipped with the PTO provision,<sup>1</sup> stationary mode is available.

**Both engines work efficiently** at low rpm due in part to low-speed lockup capability (down to 900 rpm) on the transmission's new 3-plate, 2-stage torque converter. Upgraded sinter-brazed pinion carriers help it manage the extreme low-end torque of the diesel engine, as well as the high shift speeds of the gas engine.

**Ford is the only medium-duty truck manufacturer** that designs and builds its own engine and transmission combinations – helping each powertrain work seamlessly with chassis components and vehicle calibrations. Pair TorqShift HD with our 6.7L Power Stroke V8 Turbo Diesel, and they'll be backed with a 5-year/250,000-mile limited warranty.<sup>2</sup>



**CLASS-BEST**  
STANDARD DIESEL



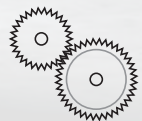
HP & TORQUE

LIMITED WARRANTY



**250K-MILE DIESEL**  
**100K-MILE GAS**

LIVE DRIVE



PTO<sup>1</sup>

6.7L Power Stroke V8 Turbo Diesel and TorqShift HD 6-speed automatic transmission.

<sup>1</sup>Available feature. <sup>2</sup>6.8L Triton V10 3-valve gasoline limited warranty is 5 years/100,000 miles. See your Ford Dealer for a copy of these limited warranties.

2016 **F-650/F-750 SUPER DUTY**<sup>®</sup>

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## DELIVERS MASSIVE PULLING POWER.

Introducing the new F-650/F-750 Tractor models. Built Ford Tough® workhorses that are ready to haul your heavy loads.<sup>1</sup> GCWR: up to 50,000 lbs. Rear axle rating: up to 26,000 lbs.<sup>2</sup> Torque: up to 725 lb.-ft. from the standard new 6.7L Power Stroke® V8 Turbo Diesel engine. Suspension: rear-air<sup>3</sup> to help smooth your ride. Braking: standard air brakes to help bring it all to a halt.

**A new frame and suspension** on all models include an antiroll bar,<sup>2</sup> longer front leaf springs and re-tuned shock absorbers for an improved ride while maintaining capability.

**Class-exclusive PowerScope® trailer tow mirrors<sup>2</sup>** adjust, fold and telescope at the touch of a switch. With integrated clearance lamps and turn signals, they also include heated glass with manually adjustable integrated spotter mirrors.

*F-750 Regular Cab. Diesel. Oxford White. Available equipment.*

<sup>1</sup>Weight restrictions vary by model. <sup>2</sup>Available feature.

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## COMMAND IT WITH YOUR VOICE.

Voice-activated SYNC®1 technology helps you keep your eyes on the road and hands on the wheel. SYNC. Say the word.®

- **Hands-free calling** lets you make a call with a simple push of a button along with the sound of your voice.
- **Automatic phone book download** transfers the names and numbers in your compatible phone automatically, once paired.
- **Voice-activated music commands** let you say what music you want to hear and listen to it easily with voice-activated search, or say "Bluetooth® audio" to stream content from your phone.

| SYNC

F-750 Crew Cab. Steel Gray cloth trim. Available equipment.

\*Available feature. Driving while distracted can result in loss of vehicle control. Only use mobile phones and other devices, even with voice commands, when it is safe to do so. Some features may be locked out while the vehicle is in gear. Not all features are compatible with all phones.

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## A BETTER WAY TO DO BUSINESS.

You'll enjoy it every day from this hardworking cab. Keep tools and other small items close at hand in the cavernous glove box, while sunglasses can be stowed in the overhead console with map-reading lights and sunglasses holders.<sup>1</sup> Driver and front-passenger air-ride seats<sup>1</sup> help make your drive more comfortable.

**Help make your business more efficient**, and provide drivers with feedback on the road, with Ford Telematics™ powered by Telogis.<sup>1,2</sup> Deep integration provides a 360° view of exclusive vehicle metrics and driver behavior.

**Cab choices include** Regular Cab, SuperCab and Crew Cab models. A wide range of seating choices and configurations meets a broad variety of vocational needs. Wide-open doors allow for easy entry and exit.

**Inside, work-related conveniences** range from a trailer brake,<sup>1</sup> an air parking brake,<sup>1</sup> and trailer air supply<sup>1</sup> and air pressure gauges,<sup>1</sup> to factory-installed upfitter switches.<sup>1</sup> Keep your mobile phones and tools charged with two 12-volt powerpoints and a 110-volt power outlet.<sup>1</sup> In here, you've got what you need to master your business.

*F-750 Crew Cab, Steel Gray cloth trim. Available equipment.*

<sup>1</sup>Feature availability varies by model. <sup>2</sup>Ford Licensed Accessory.

2016 **F-650/F-750 SUPER DUTY**<sup>®</sup>

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# ENGINEERED FOR EASY UPFITTING.


Developed in cooperation with leading industry body makers, the clean cab-to-axle design of the new F-650/F-750 is our most upfit-friendly chassis yet. Its sturdy frame is capable of accommodating a variety of vocational bodies with little or no modification.

**To more easily accept custom work applications**, such as tow truck, dump truck and ambulance bodies, the diesel exhaust fluid (DEF) tank and standard fuel tank are located under the cab instead of on the frame. This clean CA design helps lower your cost and can reduce time to delivery.

**A more robust upfitter switch system**<sup>1</sup> (as compared to the outgoing model) now has a dedicated fuse for each switch, while aluminum fuel tanks with the 6.7L Power Stroke<sup>®</sup> V8 Turbo Diesel<sup>1</sup> help optimize weight.

**Choose from 36 standard clean CA offerings** (13 Regular Cab, 12 SuperCab and 11 Crew Cab combinations) that range from 72" to 207." This variety is what makes our lineup of Built Ford Tough<sup>®</sup> F-650/F-750 medium-duty trucks some of the most versatile upfit vehicles on the road today.



FRAME  34" WIDTH

**36**  CLEAN CAs

AUXILIARY  UPFITTER SWITCHES<sup>1</sup>

F-750 Crew Cab, Diesel, Race Red. Available equipment.

<sup>1</sup>Available feature.

2016 **F-650/F-750 SUPER DUTY**<sup>®</sup>

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# F-650/F-750 SUPER DUTY® SPECIFICATIONS



## STANDARD FEATURES

### Mechanical

12-volt Comstar® starting motor (diesel)  
 12-volt Denso® starting motor (gas)  
 8-gal. DEF tank (diesel)  
 Air cleaner (gas)  
 Alternator – 200-amp, extra-heavy-duty, 12-volt, Denso, brushless, pad-mounted (diesel)  
 Alternator – 175-amp, extra-heavy-duty, 12-volt, Denso, brushless, pad-mounted (gas)  
 Batteries – 750-amp (CCA), 12-volt, Motorcraft® (2 for a total of 1,500 CCA; diesel)  
 Battery – 900-amp (CCA), 12-volt, Motorcraft (gas)  
 Battery box – Right-hand frame-mounted under cab step  
 Bendix® viscous fan clutch (diesel)  
 Brakes – Air brake system – Meritor® Q Plus™ with Anti-Lock Brake System (ABS), 4-channel and hand control valve trailer brake (Tractor)  
 Brakes – Bosch® Hydro-Max® hydraulic brake system (n/a on Tractor)  
 Cold weather anti-gel diesel fuel additive (diesel)  
 Donaldson® single element air cleaner with restriction indicator (diesel)  
 Driveshaft – Dana base  
 Emergency flashers – 4-way  
 Engine coolant with red, extended-life Organic Acid Technology (OAT) -40°F freeze-protection rating  
 Engine exhaust brake (diesel)  
 Exhaust – Single, switchback-style, horizontal; frame-mounted right side under cab with outside of frame rail rear discharge (diesel)

Exhaust – Single, horizontal, catalytic converter, frame-mounted right side back of cab; downward-facing outlet tip (gas)  
 Ford TorqShift® HD 6-speed automatic transmission (without PTO provision)  
 Frame-mounted body-builder wiring at back of cab (n/a on Tractor)  
 Front parabolic taper-leaf springs with double-acting shock absorbers  
 Fuel tank – 50-gal. single rectangular aluminum, frame-mounted on left side (Regular Cab diesel)  
 Fuel tank – 65-gal. single rectangular aluminum, frame-mounted on left side (SuperCab and Crew Cab diesel)  
 Fuel tank – 50-gal. single rectangular steel, frame-mounted on left side (Regular Cab and SuperCab gas)  
 Fuel tank – 60-gal. single rectangular steel, frame-mounted on left side (Crew Cab gas)  
 Fuel/water separator (diesel)  
 Fuses – SAE blade-type  
 Gearshift interlock key (requires PRNDM indicator with SelectShift®; n/a on F-750 gas and Tractor)  
 Radiator – Aluminum with in-tank transmission cooler  
 Rear suspension with multi-leaf rear springs  
 Viscous fan clutch (gas)  
 Wheel seals (front and rear axle), oil-lubricated wheel bearings (front and rear)

### Cab Equipment – Interior

AM/FM stereo with auxiliary audio input jack, clock and 2 speakers  
 Air conditioning – Manual with integral heater and defroster

Air registers with positive shut-off  
 Assist handle on A-pillars  
 Assist handle on B-pillars (Crew Cab)  
 Back panel trim cover (Regular Cab/Crew Cab)  
 Coat hooks (2)  
 Cruise control with steering wheel-mounted controls  
 Flooring – Black vinyl  
 Gauge cluster with electronic speedometer (mph/kph), oil pressure, coolant temperature, DEF gauge (diesel only), fuel gauge, tachometer, indicator lights, enhanced 3-button message center with odometer, trip odometer, distance to empty for fuel, average fuel economy and warning messages  
 Glove box at right-hand instrument panel  
 Left-/right-hand front-window demisters  
 Molded cloth headliner  
 Multifunction, self-canceling turn signal switch (n/a on Tractor)  
 Multifunction, non-canceling turn signal switch (Tractor)  
 Oil maintenance minder  
 Powerpoints – 12-volt, located in instrument panel (2)  
 Rear-mounted dome lamp with integral map lights (Regular Cab/Crew Cab)  
 Scuff plates – Black molded-in-color  
 Steering wheel – Black vinyl  
 Sun visors – Driver and front-passenger, vinyl with passenger-side mirror  
 Upfitter switches (4) located in center IP with connector access located in engine compartment; includes 10-, 15-, 25- and 25-amp switches (diesel)

### Cab Equipment – Exterior

Air/electric lines (12' coiled; Tractor)  
 Assist handles – Rear of cab  
 Body-builder wiring harness, back of cab at frame  
 Bumper – Front; full-width, black  
 Deck plate/pogo stick (Tractor)  
 Dual-note electric horn  
 Grille – Painted black, plastic  
 Headlamps – Aero-type, high-series (includes front side marker lamps with reflectors)  
 Hood – Frame-mounted front-end-tilting fiberglass hood and fenders assembly with odometer, trip odometer, distance to empty for fuel, average fuel economy and warning messages  
 Lamps – Roof marker/clearance, amber lenses (5)  
 Mirrors – Black, dual rectangular, manually adjustable/folding with integrated spotter mirrors, sail-type, 96"-wide spacing  
 Side repeat flasher

Taillamps (2) with integrated stop, turn signal, backup and license plate  
 Tapered frame ends (Tractor)  
 Tow hooks (2) – Front, black, frame-mounted  
 Trailer charge valve (Tractor)  
 Trailer module – 7-pin, mounted at back of cab (Tractor)  
 Window – Rear, fixed, solar-tinted  
 Windshield – Solar-tinted with laminated glass  
 Windshield wipers – 2-speed intermittent with washer

### Safety & Security

Belt-Minder® safety belt reminder (chime and flashing warning light on instrument panel if driver's safety belt isn't buckled)  
 Safety belts – Color-keyed with fixed D-rings at all positions (Regular Cab)<sup>1</sup>  
 Safety belts – Color-keyed with front-seat adjustable D-rings (SuperCab/Crew Cab)<sup>1</sup>



White Powder-Coated Steel  
(front) – Standard



Polished Aluminum  
(front) – Optional

<sup>1</sup>Always wear your safety belt.

## AVAILABLE FEATURES

### Axle & Suspension – Front

EmGard® SAE 50 synthetic lubricant

### Axle & Suspension – Rear

Air suspension (diesel)

Air suspension dump valve (diesel)

Additional air suspension leveling valve (diesel)

Double-acting shock absorbers (included with air suspension on diesel; n/a with relocated brakes)

EmGard 75W-90 synthetic lubricant

### Brakes & Brake Equipment

Air brake chambers – Spring-style (relocated to rear axle; diesel; n/a on Pro Loader®)

Air brake system – Meritor® Q Plus™ with ABS and traction control, 4-channel (diesel)

Air brake system – Meritor Q Plus with ABS, 4-channel (diesel)

Air compressor – Bendix® 13.2-CFM capacity (for stand-alone air source with hydraulic brakes; included with air suspension; diesel only; n/a on Tractor)

Air dryer – Bendix AD/IP with heater mounted on left frame rail back of cab (diesel)

Automatic drain valve (Bendix DV-2) with heater (required with air compressor or air brakes; diesel)

Hydraulic Brake System – Bosch® Hydro-Max® with traction control (n/a on Tractor)

### Trailer Connections

4-wheel trailer Air Brake Package (restrictions apply; includes air lines to rear of frame, hand control valve and tractor protection valve; diesel only; n/a on Tractor)

7-way trailer connection socket, mounted at rear of frame, for combined trailer stop/tail/turn/marker light circuits (hydraulic brakes only; n/a on Tractor)

7-way trailer connection socket, mounted at rear of frame, for separate trailer stop/tail/turn/marker light circuits (hydraulic brakes only; n/a on Tractor)

7-way trailer connection socket, mounted at rear of frame, wired for turn signals combined with stop (compatible with trailers that use combined stop/tail/turn lights; requires air brakes; diesel only; n/a on Tractor)

7-way trailer connection socket, mounted at rear of frame, wired for turn signals independent to stop (compatible with trailers that have amber or side turn lights with independent stop/turn; requires air brakes; diesel only; n/a on Tractor)

### Fuel Tanks

55-gal. single rectangular aluminum, frame-mounted on left side (Regular Cab diesel; n/a on Pro Loader)

60-gal. single rectangular steel, frame-mounted on left side (Regular Cab and SuperCab gas)

65-gal. single rectangular aluminum, frame-mounted on left side (Regular Cab diesel)

115-gal. dual rectangular aluminum (65-gal. right-hand tank and 50-gal. left-hand tank; diesel)

### Engine Equipment

6.7L Power Stroke® V8 Turbo Diesel (3 hp/torque rating options: 270/675 [99C], 300/700 [99E] and 330/725 [99X])

6.8L Triton® V10 3-valve gas (F-650 Pro Loader, F-650 and F-750 only)

CNG/Propane Gaseous Engine Prep Package includes hardened intake valves and valve seats (gas)

Engine block heater – Phillips® 750-watt

Engine idle shutdown timer with 5-, 10-, 15- and 20-minute options

Manual regeneration initiation (driver interface in message center; diesel)

Top Road Speed Limiter (65- and 70-mph options)

### Driveline & Clutches

Driveshaft upgrade (diesel)

Transmission power takeoff (PTO) provision with mobile and Live-Drive capability (diesel)

Transmission power takeoff (PTO) provision (stationary only; gas)

### Exhaust

Switchback single, horizontal, frame-mounted outside right rail under cab with vertical exit (diesel)

Torpedo single, horizontal, frame-mounted right-side back of cab with underbody exit in front of axle (diesel)

### Electrical

Alternator – 220-amp, 12-volt (diesel)

Alternator – Dual heavy-duty, 357-amp total, 12-volt (diesel)

Batteries – 900 CCA, 12-volt Motorcraft® (2 for a total of 1,800 CCA)

Batteries – 900 CCA, 12-volt Motorcraft (3 for a total of 2,700 CCA; diesel)

Batteries – Temporary (dual 900 CCA or triple 900 CCA only, includes 10' of additional cable; diesel; n/a on Tractor)

Body-builder wiring to end of frame (n/a on Tractor)

Daytime running lamps

Electric, 102-decibel backup alarm

Power Equipment Package includes power front side windows, power rear side windows (Crew Cab), manual rear side windows (SuperCab), power door locks, and door-trim panels (included in Interior Appearance Package)

Remote-mounted jump-start stud (n/a with temporary batteries on diesel)

Taillamp delete (does not omit cable to end of frame; n/a on Tractor and gas straight frame)

### Cab Equipment – Interior

110-volt power outlet

Air conditioning delete; fresh air heater and defroster only (n/a with heated or power sideview mirrors)

AM/FM stereo/single-CD player with MP3 capability, auxiliary audio input jack, steering wheel-mounted audio controls, clock and 2 speakers (4 speakers on SuperCab and Crew Cab)

Audio Delete Package deletes radio and all associated parts (includes radio and auxiliary audio input jack covers)

Audio Prep Package deletes radio and auxiliary audio input jack, but retains all associated parts

Anti-theft system

Ford SYNC® voice-activated, in-vehicle connectivity system (restrictions apply; includes USB port and steering wheel-mounted SYNC controls)

Ford Telematics™ powered by Telogis®<sup>1</sup>

Interior Appearance Package includes front-mounted overhead console with dual sunglasses holders and front map lights, door-trim panels, map pockets, chrome air registers, 2nd-row bench seat (Crew Cab), 2nd-row flip-up seats with cushions and bolsters (SuperCab), perforated cab back panel (Regular Cab and Crew Cab) and Power Equipment Package

Keys – Keyed-alike (restrictions apply; n/a with anti-theft system; requires multiple-unit order)

Rear seat delete (SuperCab and Crew Cab)

Rearview mirror

Remote Keyless Entry System with 2 key fobs (requires Power Equipment Package)

Supplemental air heater (diesel)

Upfitter switches (4) located in center IP with connector access located in engine compartment; includes 10-, 15-, 25- and 25-amp switches (gas) Voltmeter (located in message center)

### Cab Equipment – Exterior

Bumper – Front, full-width, chrome-plated steel (included with Exterior Appearance Package)

Bumper – Front, swept-back, painted-steel, Dark Shadow Gray color (requires bolt-on-type frame extension or integral front frame extension; straight frame)

Exterior Appearance Package includes full-width chrome-plated steel front bumper and chromed fender badges

Frame reinforcement (F-750; requires frame 536)

Front bolt-on-type frame extension, 20," without crossmember (requires fixed grille, swept-back front bumper or front bumper delete; straight frame)

Front bumper delete

Front stabilizer bar

Grille – Fixed, black/gray

Grille – Chrome (includes chrome headlamp bezels)

Horn – Air, black, single-trumpet, mounted on frame rail back of bumper (diesel)

Integral front frame extension – 20" in front of grille (requires fixed grille, frame 536, swept-back front bumper or front bumper delete; straight frame)

Lamps – Roof marker/clearance, clear lenses (5)

Lamps – Roof marker/clearance delete

Mirrors – Black, dual rectangular, manually adjustable/folding and heated with integrated spotter mirrors, sail-type, 96"-wide spacing (n/a with A/C delete)

Mirrors – Black, dual rectangular, power-adjustable/manual folding and heated with integrated spotter mirrors, sail-type, 96"-wide spacing (n/a with A/C delete; requires Power Equipment Package)

Mirrors – Chrome caps, dual rectangular, manually adjustable/folding with integrated spotter mirrors, sail-type, 96"-wide spacing

Mirrors – Chrome caps, dual rectangular, manually adjustable/folding and heated with integrated spotter mirrors, sail-type, 96"-wide spacing (n/a with A/C delete)

Mirrors – Chrome caps, dual rectangular, power-adjustable/manual folding and heated with integrated spotter mirrors, sail-type, 96"-wide spacing (n/a with A/C delete; requires Power Equipment Package)

Mirrors – Black, dual rectangular, manually adjustable/folding with integrated spotter mirrors, sail-type, 102"-wide spacing

Mirrors – Black, dual rectangular, manually adjustable/folding and heated with integrated spotter mirrors, sail-type, 102"-wide spacing (n/a with A/C delete)

Mirrors – Black, dual rectangular, power-adjustable/manual folding and heated with integrated spotter mirrors, sail-type, 102"-wide spacing (n/a with A/C delete; requires Power Equipment Package)

Mirrors – Chrome caps, dual rectangular, manually adjustable/folding with integrated spotter mirrors, sail-type, 102"-wide spacing

Mirrors – Chrome caps, dual rectangular, manually adjustable/folding and heated with integrated spotter mirrors, sail-type, 102"-wide spacing (n/a with A/C delete)

Mirrors – Chrome caps, dual rectangular, power-adjustable/manual folding and heated with integrated spotter mirrors, sail-type, 102"-wide spacing (n/a with A/C delete; requires Power Equipment Package)



**A wide range of axle capacities** gives you plenty of options in deciding which one is best for your work application. Front axle ratings on F-650/F-750 range from 8,500 to 14,000 lbs. In the rear, ratings vary from 13,500 to 26,000 lbs.



**Diesel engine fuel tank choices** begin with the standard aluminum fuel tank (50-gal. on Regular Cab and 65-gal. on SuperCab and Crew Cab diesels) and 8-gal. DEF tank, mounted under the driver's side cab for a clean CA. Extend your diesel range with 115-gal. dual rectangular aluminum fuel tanks<sup>2</sup> (65-gal. right-hand tank and 50-gal. left-hand tank).



**For help in cold-weather climates**, the 750-watt engine block heater<sup>2</sup> helps ensure proper engine lubrication at startup if used when temperatures drop below 10°F.

Mirrors – PowerScope® trailer tow, 96"-wide spacing power-telescoping with power glass, power-folding, heated, includes manual convex integrated spotter mirrors, integrated clearance lamps and turn signal indicators (sail mount; n/a with A/C delete; requires Power Equipment Package)

Mud flap holders – Rear, without flaps

Mud flaps – Rear (available only with 22.5" wheels and tires)

Special-rating GVWR (limited to 25,999 lbs.; straight frame)

Special-rating GVWR (limited to 33,000 lbs.; F-750 diesel only)

Taillamp delete (gas straight frame only)

Tow hooks delete

Window – Rear, sliding

<sup>1</sup>Ford Licensed Accessory. <sup>2</sup>Available feature.



**From single- to triple-battery setups**, Motorcraft batteries range from 750-900 cold cranking amps (CCA) depending on engine choice and model variations.

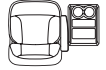

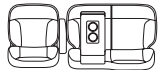
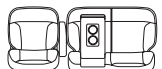





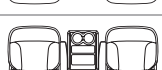


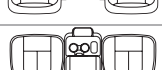




**F-650/F-750 exhaust systems** vary depending on engine and routing choice, from standard horizontal mufflers to under-cab vertical switchback style. Under-cab battery box placement (adjacent to exhaust) allows for larger fuel and urea tanks without encroaching in CA area.



**A new body-builder wiring harness** not only contributes to a reduction in weight, but also reduces the amount of required wiring for upfitters to route.

# SEATING

Standard Front		Suspension System	Position
	30% width high-back bucket with manual lumbar, integrated head restraint, fore/aft adjustment, reclining, armrest and floor-mounted mini-console	Fixed-spring	Driver
	30% width high-back bucket with integrated head restraint, fore/aft adjustment, reclining and armrest	Fixed-spring	Passenger
<b>Optional Front</b>			
	30/70 split full-width, high-back bucket driver's seat, fore/aft adjustment and reclining; includes driver's seat manual lumbar, integrated head restraints and fold-down armrest with tray and cupholders	Fixed-spring	Driver/2-passenger
	Air suspension with integral pump high-back bucket driver's seat and fixed-spring 2-passenger bench seat; includes driver's seat manual lumbar, integrated head restraints and fold-down armrest with tray and cupholders <sup>1</sup>	Air suspension with integral pump/fixed-spring	Driver/2-passenger
	Air-ride high-back bucket driver's seat and fixed-spring 2-passenger bench seat; includes driver's seat manual lumbar, integrated head restraints and fold-down armrest with tray and cupholders <sup>2</sup>	Air-ride/fixed-spring	Driver/2-passenger
	High-back bucket with integrated head restraint, fore/aft adjustment, reclining, manual lumbar and armrest	Fixed-spring	Driver
	Air suspension with integral pump high-back bucket with manual lumbar, integrated head restraint and armrest <sup>1</sup>	Air suspension with integral pump	Driver
	Full air-ride high-back bucket with air lumbar, integrated head restraint and armrest <sup>2</sup>	Air-ride	Driver
	Air suspension with integral pump high-back bucket driver's seat and fixed-spring high-back bucket passenger seat; includes armrests, driver's seat manual lumbar, integrated head restraints and floor-mounted mini-console <sup>1</sup>	Air suspension with integral pump/fixed-spring	Driver/passenger
	Air suspension with integral pump high-back buckets with driver's seat manual lumbar, integrated head restraints, armrests and floor-mounted mini-console <sup>1</sup>	Air suspension with integral pump	Driver/passenger
	Air-ride high-back bucket driver's seat and fixed-spring high-back bucket passenger seat; includes armrests, driver's seat air lumbar, integrated head restraints and floor-mounted mini-console <sup>2</sup>	Air-ride/fixed-spring	Driver/passenger
	Full air-ride high-back buckets; includes armrests, driver's seat air lumbar, integrated head restraints and floor-mounted mini-console <sup>2</sup>	Air-ride	Driver/passenger
	40/20/40 split, full-width, fore/aft adjustment, reclining, with adjustable head restraints; driver's seat includes manual lumbar; fixed center seat includes fold-down armrest with tray and cupholders	Fixed-spring	Driver/Center/Passenger
<b>Standard Rear</b>			
	60/40 split, 3-passenger rear bench, full-width, fold-up; converts to load floor (SuperCab)	High-density foam	Rear bench
	60/40 split, 3-passenger full-size rear bench, full-width with folding back (Crew Cab)	Fixed-spring	Rear bench



40/20/40 front seating with fixed center seat that includes a fold-down armrest with tray and cupholders. Available equipment.



30/0/30 split, driver and front-passenger high-back bucket seats with floor-mounted mini console. Available equipment.



SuperCab 60/40 split, 3-passenger rear bench seat. Available equipment.



Crew Cab 60/40 split, 3-passenger rear bench seat. Available equipment.

<sup>1</sup>Not available on SuperCab or Tractor models, or with air ride, air brake or air compressor options. <sup>2</sup>Not available on SuperCab or gas models.

# TECHNICAL SPECIFICATIONS

## FRAMES

Model	Frame Order Code					
	533	534	535	536	537	539
F-650 Pro Loader® gas	—	—	—	—	●	—
F-650 Pro Loader diesel	—	—	—	—	●	—
F-650 gas	○	●	○	○	—	—
F-650 diesel	○	●	○	○	—	—
F-650 Tractor	—	—	—	●	—	—
F-750 gas	—	—	●	○	—	○
F-750 diesel	—	—	●	○	—	○
F-750 Tractor	—	—	○	●	—	—
Depth (in.)	9.125	10.125	10.250	10.125	9.125	10.375
Width (in.)	3.062	3.062	3.092	3.580	3.062	3.705
Thickness (in.)	0.312	0.312	0.375	0.312	0.312	0.438
Yield (psi)	80,000	50,000	80,000	120,000	80,000	120,000
Maximum section modulus (cu. in.)	10.75	12.64	15.14	14.18	10.75	20.11
Maximum resisting bending moment (in.-lbs.)	860,000	632,000	1,211,000	1,702,000	860,000	2,413,000

## DIMENSIONS

	Regular Cab (in.)	SuperCab (in.)	Crew Cab (in.)
Overall height (at curb)	89.6 – 94.7	89.6 – 94.7	89.6 – 94.5
Width at front fenders	95.0	95.5	95.5
Frame rail width	34.0	34.1	34.1
Front bumper to back of cab	114.4	135.4	149.9
Load floor height (at curb)	33.1 – 39.3	33.1 – 39.3	33.1 – 39.2
Front bumper to center of front axle	40.4	40.4	40.4
Wheelbase	146.0 – 281.0	167.0 – 281.0	182.0 – 278.0
Center of rear axle to end of frame	39.0 – 120.0	39.0 – 120.0	39.0 – 100.0
Back of cab to center of front axle	74.1	95.0	109.5
Back of cab to center of rear axle	72.0 – 207.0	72.0 – 186.0	72.0 – 168.0

## SUSPENSIONS

Model	Front Spring Rating (lbs.)				
	8,500	10,000	12,000	13,200	14,000
F-650 Pro Loader gas	●	○	—	—	—
F-650 Pro Loader diesel	●	—	—	—	—
F-650 gas	●	○	○	—	—
F-650 diesel	●	○	○	—	—
F-650 Tractor	—	●	○	—	—
F-750 gas	—	●	○	○	—
F-750 diesel	—	●	○	○	○
F-750 Tractor	—	●	○	○	○
	Rear Multi-Leaf Springs Rating (lbs.)				
	15,500	19,000	21,000	23,000	31,000
F-650 Pro Loader gas	●	○	—	—	—
F-650 Pro Loader diesel	●	○	—	—	—
F-650 gas	—	●	○	—	—
F-650 diesel	—	●	○	—	—
F-650 Tractor	—	●	○	—	—
F-750 gas	—	—	●	○	—
F-750 diesel	—	—	●	○	○
F-750 Tractor	—	—	●	○	○
	Rear Air Suspension Rating (lbs.)				
	12,000	19,000	21,000	23,000	
F-650 Pro Loader diesel	○	○	—	—	
F-650 diesel	—	○	○	—	
F-650 Tractor	—	○	○	—	
F-750 diesel	—	—	○	○	
F-750 Tractor	—	—	○	○	

● Standard ○ Optional — Not available

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# TECHNICAL SPECIFICATIONS

## WEIGHT RATINGS & WHEELBASE/CAB-TO-AXLE RANGES

Model	GVWR (lbs.)	GCWR (lbs.)	Curb Weight (lbs.)	Wheelbase/Cab-to-Axle Range (in.)			Options		
				Regular Cab	SuperCab	Crew Cab	Regular Cab	SuperCab	Crew Cab
F-650 Pro Loader® gas	22,000 – 26,000	37,000	8,748 – 9,527	158/84 – 242/168	179/84 – 239/144	194/84 – 254/144	5	3	3
F-650 Pro Loader diesel	20,500 – 26,000	50,000	9,407 – 11,628	158/84 – 242/168	179/84 – 239/144	194/84 – 254/144	5	3	3
F-650 gas	25,600 – 29,000	37,000	9,618 – 10,533	158/84 – 260/186	179/84 – 263/168	182/72 – 278/168	11	10	11
F-650 diesel	25,600 – 29,000	50,000	10,278 – 11,947	158/84 – 260/186	179/84 – 263/168	182/72 – 278/168	11	10	11
F-650 Tractor	27,500 – 29,000	50,000	11,062 – 11,573	146/72 – 158/84	167/72 – 179/84	182/72	2	2	1
F-750 gas	30,200 – 33,000	37,000	9,748 – 10,672	158/84 – 281/207	179/84 – 281/186	182/72 – 266/156	12	11	10
F-750 diesel	30,200 – 37,000	50,000	10,408 – 12,166	158/84 – 281/207	179/84 – 281/186	182/72 – 266/156	12	11	10
F-750 Tractor	30,200 – 37,000	50,000	11,274 – 11,785	146/72 – 158/84	167/72 – 179/84	182/72	2	2	1

## WHEEL AVAILABILITY

Wheel (in.)	F-650 Pro Loader Gas	F-650 Pro Loader Diesel	F-650 Gas	F-650 Diesel	F-650 Tractor	F-750 Gas	F-750 Diesel	F-750 Tractor
19.5 x 6.75 8-lug white powder-coated steel <sup>1</sup>	●	●	○	○	—	—	—	—
19.5 x 7.5 10-lug white powder-coated steel <sup>1</sup>	—	○	—	○	—	—	—	—
19.5 x 7.5 10-lug polished aluminum <sup>2</sup>	—	○	—	○	—	—	—	—
22.5 x 7.5 10-lug white powder-coated steel <sup>1</sup>	—	—	●	●	●	●	●	●
22.5 x 8.25 10-lug white powder-coated steel <sup>1</sup>	—	—	○	○	○	○	○	○
22.5 x 8.25 10-lug polished aluminum <sup>2</sup>	—	—	○	○	○	○	○	○

## TIRE AVAILABILITY

F-650 Pro Loader Gas	F-650 Pro Loader Diesel	F-650 Gas	F-650 Diesel	F-650 Tractor	F-750 Gas	F-750 Diesel	F-750 Tractor	Tire Size <sup>3</sup>	Load Range (PR)	Steel	Aluminum
○	●	○	○	—	—	—	—	245/70R19.5G	14	○	○
●	○	○	○	—	—	—	—	245/70R19.5H	16	○	○
○	○	○	○	—	—	—	—	265/70R19.5G	14	○	○
—	—	●	●	●	●	●	●	11R22.5G	14	○	○
—	—	○	○	○	○	○	○	11R22.5H	16	○	○
—	—	○	○	○	○	○	○	255/70R22.5H	16	○	○
—	—	○	○	●	○	○	○	275/80R22.5G	14	○	○
—	—	○	○	○	○	○	○	275/80R22.5H	16	○	○
—	—	—	—	—	○	○	○	295/80R22.5H	16	○	○

● Standard ○ Optional — Not available

<sup>1</sup>Wheels available with standard powder coating or with rust-inhibiting powder coating. <sup>2</sup>Outer wheel only – inner wheel is steel.

<sup>3</sup>Due to industry-wide tire availability shortages, tire substitutions may be required at time of vehicle production.

## AXLES

Model	Front Axle Rating (lbs.)			
	8,500	10,000	12,000	14,000
F-650 Pro Loader gas	●	—	—	—
F-650 Pro Loader diesel	●	—	—	—
F-650 gas	●	○	—	—
F-650 diesel	●	○	—	—
F-650 Tractor	—	●	—	—
F-750 gas	—	●	○	—
F-750 diesel	—	●	○	○
F-750 Tractor	—	●	○	○

Model	Rear Axle Rating (lbs.) – Single-Speed					
	13,500	17,500	19,000	21,000	23,000	26,000
F-650 Pro Loader gas	●	○	—	—	—	—
F-650 Pro Loader diesel	●	○	—	—	—	—
F-650 gas	—	●	○	—	—	—
F-650 diesel	—	●	○	—	—	—
F-650 Tractor	—	●	○	—	—	—
F-750 gas	—	—	—	●	—	—
F-750 diesel	—	—	—	●	○	○
F-750 Tractor	—	—	—	●	○	○

Model	Rear Axle Rating (lbs.) – 2-Speed					
	21,000					
F-750 diesel	○	○	○	○	○	○
F-750 Tractor	○	○	○	○	○	○

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## EXTERIORS



Oxford White



Bold Yellow



Tangier Orange



Blue Jeans\*



Magnetic\*



Shadow Black



Ingot Silver\*



School Bus Yellow



Race Red



Caribou\*



Green Gem\*

\*Metallic.

## INTERIORS



1 Steel Gray HD Vinyl



2 Steel Gray Cloth

Exteriors	Interiors	
Oxford White	1	2
Ingot Silver	1	2
Bold Yellow	1	2
School Bus Yellow	1	2
Tangier Orange	1	2
Race Red	1	2
Blue Jeans	1	2
Caribou	1	2
Magnetic	1	2
Green Gem	1	2
Shadow Black	1	2

1 Standard 2 Optional

Colors are representative only. See your dealer for actual paint/trim options.





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