What's New For 2008

E-Series • F-Series • Ford LCF

Commercial Vehicle
Special Vehicle Engineering
The purpose of this guide is to provide some advance insight into 2008 model year Ford Truck product features that may assist final stage manufacturers and vehicle alteration companies in preparing their production process.

This guide is for reference only, reflecting information available as of May 2007, and is subject to change without notice. It should be used in conjunction with other related Ford publications listed below. Methods to obtain these and other useful publications are described further in this manual.

FOR ADDITIONAL INFORMATION VISIT:
Truck Body Builder Advisory Service Website
(www.fleet.ford.com/truckbbas)

Bulletins: Lists links to the latest Bulletins for Ford Truck Quality Programs
Hot Off The Press: Lists links to latest up-to-date publications available to body builders
Publications:
- Body Builder Layout Book: Provides access to and order capability for Body Builders Layout Book
- Quality Program Guidelines: Lists links to Ford Truck Quality Program Guidelines for final stage manufacturers and vehicle alters
- Incomplete Vehicle Manuals: Lists links to model years 1997–2008 IVM’s
Support Contacts: Lists frequently requested phone and fax numbers
Other: Links and Frequently Asked Questions (FAQ)
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Body Builder Quality Programs

The following organizations are established to provide technical assistance to vehicle modifiers of Ford Truck chassis. They are part of the Special Vehicle Engineering Department within Ford North American Truck.

• TRUCK BODY BUILDER ADVISORY SERVICE (BBAS)
  Provides technical assistance for truck body builders
  Phone: 877-840-4338
  Fax: 313-594-2633
  Web Site: www.fleet.ford.com/truckbbas
  E-Mail: bbasqa@ford.com

• SPECIAL VEHICLE ENGINEERING & QUALITY PROGRAMS
  Responsible for qualifying the engineering process control capability of final stage manufacturers under these Ford Truck Quality Programs:
  – Ambulance Quality Program
  – Motorhome & Transit Bus Quality Program
  – Conversion Van Quality Program
  – F-Series Quality Program
  – Adaptive Mobility Quality Program
  – Ship-Thru Quality Program

Assembly Plant Job #1 Timing

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<th>Vehicles</th>
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<td>• Ford LCF</td>
<td>Escobedo, Mexico</td>
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OVERVIEW

The new 2008 Ford E-Series builds on its popularity in the full size van/bus segment, where it has enjoyed segment leadership for 28 consecutive years. E-Series expands its availability to meet the needs of a multitude of commercial and personal use vocations with upgraded GVWR/Front GAWR ratings on Cutaways and Stripped Chassis models. A new Power Take-Off Provision (late availability) will also be available for E-350 and E-450 Cutaway and Stripped Chassis models with 5.4L (gasoline) and 6.0L (diesel) engines in selected wheelbases. Ford Cutaway models continue to be the sales leader in their market. Ford E-Series combines the breadth and depth of product choices and new customer features to drive the changes for 2008.

FEATURES AND BENEFITS SUMMARY

<table>
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<th>Feature</th>
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<tr>
<td>New Distinctive Front End Appearance.</td>
<td>New steel hood, front fenders, grille, headlamps, turn signal/marker lamps combine with the availability of a chrome bumper w/valance with High Series trim or painted bumper w/valance with Base trim.</td>
</tr>
<tr>
<td>Upgraded GVWR/Front GAWR.</td>
<td>Max. GVWR of E-350 DRW Cutaway model has been increased to 11,500 lbs. w/138&quot; WB and optional 12,500 lbs. w/158&quot;–176&quot; WB. 5,000 lbs. Front GAWR is optional on E-350 158&quot; WB DRW Cutaway and standard on E-350 176&quot; WB DRW Cutaway, and E-450 models with 6.0L and 6.8L engines.</td>
</tr>
<tr>
<td>All New Upgraded Braking System.</td>
<td>All new braking system incorporates: New rotors and calipers, new lining material, new brake shields, next generation ABS, brake lines and drum-in-hat parking brake system on Hydro-Boost vehicles.</td>
</tr>
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E-Series - Other Features and Benefits

MODEL/SERIES/TRIM

E-Series Vans
- All new front-end treatment for all E-Series Vans and Wagons provides a fresh new appearance.
- New steel hood provides easy access to front of engine components.
- Restyled front fenders and inner fenders.
- Base trim level includes painted grille, carry over sealed beam headlamps with a new bezel, and painted bumpers with valance.
- Exterior Upgrade Pkg. includes chrome grille, dual beam fixed lens headlamps, and chrome bumper with valance.
- New front turn/marker lamps on all models
- New grille opening reinforcements are being used on all models.

Upgraded GVWR
- E-350 138” WB DRW Cutaway is now rated at a maximum 11,500 lbs. GVWR (previously 10,700 lbs.).
- E-350 138” WB DRW Stripped Chassis is available with 10,000 lbs. to 11,500 lbs. GVWR.
- E-350 158” WB DRW Cutaway with the optional 5,000 lbs. front GAWR is rated at a maximum 12,500 lbs. GVWR.
- E-350 158” WB DRW Stripped Chassis is available with 10,000 lbs. to 12,500 lbs. GVWR.
- E-350 176” WB Cutaway is available with 10,000 lbs. GVWR (was VSO only).
- E-450 Cutaway and Stripped Chassis with 6.8L and 6.0L engines, 5,000 lbs. front GAWR, and 9,500 lbs. rear GAWR is now rated at a maximum 14,500 lbs. GVWR (previously 14,050 lbs. GVWR).

Upgraded Front GAWR
- E-350 158” WB DRW Cutaway is available with an optional 5,000 lbs. front GAWR and 12,500 lbs. GVWR.
- E-350 176” WB DRW Cutaway includes a standard 5,000 lbs. front GAWR and 12,500 lbs. GVWR.
E-Series - Other Features and Benefits

MODEL/SERIES/TRIM (Continued)

Exterior Trim Changes

New Steel Hood and Grille
- Distinctive new steel hood and grille enhance the appearance of the 2008 E-Series Vans, Wagons and Cutaways. The standard Base trim grille is painted black. A chrome grille is included with the Exterior Upgrade Pkg.
- New grille opening reinforcements are used on all E-Series models.

New Front Bumper and Valance
- Restyled front bumper and valance provide a fresh, clean appearance in either the Base (painted) black trim level or with the Exterior Upgrade Pkg. (chrome).

New Front Fenders and Inner Fenders
- Restyled front fenders and inner fenders round out the fresh new front end appearance.

New Headlamps and Front Turn/Marker Lamps
- Exterior Upgrade Pkg. models include dual beam fixed lens headlamps.
- Base trim models include carryover sealed beam headlamps with a new bezel.
- New front turn/marker lamps round out the appearance of the new 2008 E-Series.
E-Series - Other Features and Benefits

MODEL/SERIES/TRIM (Continued)

Interior Trim Changes
New Dome/Cargo Light Kit (43D)
- New dome/cargo light kit with three additional cargo lamps is available on Cargo Vans.

New Seating for Extended Wagons
- New optional 11-passenger seating for extended length wagons in both Base and High Series trim levels. (*Replaces 12-passenger seating option on E-350 Extended Wagons*).
- New 2nd through 5th row rear seats have Seat Integrated Restraints (SIR) for center occupants with three-point harness. The seats are self latching for easier removal and replacement. (*Replaces manual latching.*)
- Outboard seating positions belts are unchanged.

POWERTRAIN/CHASSIS

Engine
- 5.4L V8 gasoline engine is now standard on E-450 Cutaway at 14,050 lbs. GVWR.

Transmission - TorqShift® 5-Speed
- External transmission oil filter is replaced by a new high mileage internal transmission oil filter.
- Service interval is increased from 24 to 36 months.

Power Take-Off Provision (Late Availability)
- New PTO Provision option is available on 5.4L (gasoline) and 6.0L (diesel) engine and TorqShift® 5-speed automatic transmission in:
  1. E-350 DRW Cutaway and Stripped Chassis.
  2. E-450 DRW Cutaway and Stripped Chassis.
E-Series - Other Features and Benefits

FUNCTIONAL CHANGES - EXTERIOR

Rear Axle Track
- DRW rear axle track width for the E-350 Cutaway and Stripped Chassis is increased to 94.7" outside of tires (originally 92.5").

Brakes
- The all-new braking system offers improved stopping distance.
- The braking system includes:
  1. New, larger front and rear rotors and calipers.
  2. New lining material.
  3. New brake shields.
  4. Improved thermal performance.
  5. Hub/rotor interface corrosion protection.
- Features of the new braking system are:
  1. Increased brake life (More pad volume & lower temperature).
  2. Improved shutter/NVH characteristics.
  3. Supports increased GVWR ratings in selected applications.
- Hydro-Boost is standard on all E-350 DRW and E-450 models.
- Next generation ABS system with OSS (eliminates differential-mounted ABS sensor) for better quality and performance.

Cargo Protection System (91J)
- Optional E-Guard Cargo Protection System is available on all Base trim E-150-E-350 Cargo Vans. It incorporates a double-locking feature for ensuring security of cargo when the lock is actuated.
- E-Guard Cargo Protection System is available for 60/40 side doors and rear cargo doors.
- An interior emergency release handle is provided to allow exiting a locked vehicle from the inside.
- On vans with optional Remote Keyless Entry (RKE), the E-Guard System can only be unlocked with the key (not the RKE fob).

Dual Note Horns
- Dual note horn system is standard on all E-Series.
FUNCTIONAL CHANGES - EXTERIOR (Continued)

Ride and Handling
- Enhanced ride and handling characteristics on all models due to:
  1. Modifications to the stabilizer bar and bushings.
  2. Modified radius arms.
  3. Revised shock absorber tuning.
  4. Steering gear enhancements for more precise steering feel.

Traction Control (15T)
- Engine Only Traction Control (EOTC) is optional for all gasoline engine models without Roll Stability Control (RSC).
- Wheel traction is controlled by engine torque via PCM.
- Optional on all gasoline engine applications with Cutaway and Stripped Chassis models.
- A Traction Control Switch (TCS) is located on the instrument panel.
- EOTC is normally on.

Tire Pressure Monitoring System
- A tire pressure monitoring system is standard on all vehicles 10,000 lbs. GVWR or less. (Four road wheels only.) SRW vehicles only.
- A sensor is contained in each road wheel.
- A special fob is provided with the vehicle’s owner guide material. It is used to train the TPMS if any tire location is changed.
- Cannot be deleted; regulated content.
- Spare wheels have no sensors and can be used only as spares.
- Vehicles are shipped with air low pressure.
FUNCTIONAL CHANGES - EXTERIOR (Continued)

**Wheels**
- 4 vent white wheels are standard on DRW Cutaway and Stripped Chassis models.
- White wheels with steel valve stem option are available for Cargo Vans.
- Spare tire wheel only available in black for all models under 10,000 lb. GVWR.

FUNCTIONAL CHANGES - INTERIOR

**SecuriLock™ Passive Anti-Theft System**
- Electronic SecuriLock Passive Anti-Theft System is optional in the United States on Vans, Wagons, Cutaways under 10,000 lb. GVWR (Standard in Canada). This system comprises the Instrument Cluster, Powertrain Control Module, passive Anti-Theft Transceiver, and electronically encoded ignition keys.
- Unique service procedures must be followed on all E-Series vehicles when replacing the Instrument Cluster and/or Powertrain Control Module. Please refer to Ford Workshop Manual Section 419-01 Anti Theft - PATS for appropriate servicing information.
OVERVIEW

The new 2008 Ford F-Series Super Duty reinforces the “Built Ford Tough” image of the F-Series and expands its availability to meet the needs of a multitude of commercial vocations, as well as personal use. Pride of ownership is expanded with the availability of upgraded trim packages for the F-250 and F-350 models. Ford F-Series Super Duty combines the attributes of power, capability and breadth of product choices which are enhanced by new customer features.

FEATURES AND BENEFITS SUMMARY

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<td>105th Anniversary Edition Harley-Davidson (17H).</td>
<td>Meets the demands of customers for a unique and distinctive F-250 or F-350 SRW Crew Cab pickup with Lariat trim. Its optional tutone exterior is complemented by a new tutone interior soft trim.</td>
</tr>
<tr>
<td>Chrome Package (17C).</td>
<td>Premium chrome exterior features enhance the appearance of F-250/F-350/F-450 pickups on XLT, FX4, or Lariat SuperCab and Crew Cab models.</td>
</tr>
<tr>
<td>King Ranch with Chrome Package (17R).</td>
<td>The prestigious King Ranch gets even more class when adorned with premium chrome accents on F-250/F-350/F-450 Crew Cab pickups.</td>
</tr>
</tbody>
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F-Series Super Duty - Other Features and Benefits

MODEL/SERIES/TRIM

105th Anniversary Edition Harley-Davidson (17H)
• By popular demand, the Harley-Davidson Ford F-Series Super Duty truck is once again available with F-250 and F-350 SRW 4X4 Crew Cab pickups.
• Available with automatic transmission and 6.8L gasoline or 6.4L diesel engine.
• Optional tutone exterior paint scheme.
• New tutone interior soft trim.
• New, unique front end treatments.
• New, special anniversary ornamentation.
• New, unique 20” wheels.
• New, illuminated running boards.

Chrome Package (17C)
• A Chrome Package is available for XLT, FX4 and Lariat SuperCab and Crew Cab pickup models.
• Unique chrome billet-style grille.
• Chrome tow hooks.
• Chrome mirror caps.
• 5” chrome tubular step bars, RH and LH.
• Chrome pickup bed tie-down hooks.
• Chrome exhaust tip.

King Ranch with Chrome Package (17R)
• The popular F-250/F-350/F-450 King Ranch Crew Cab pickups are now available with a Chrome Package.
• Includes all the King Ranch premium features.
• Chrome tow hooks.
• Chrome mirror caps.
• 5” chrome tubular step bars, RH and LH.
• Chrome pickup bed tie-down hooks.
• Chrome exhaust tip.
F-Series Super Duty – Other Features and Benefits

MODEL/SERIES/TRIM

10 New Chassis Cab Configurations

- Carryover/Existing
- Full F-550 Offering

Chassis/Body | Regular Cab | Super Cab | Crew Cab
---|---|---|---
Cab-Axle (inches) | 60" CA 84" CA 108" CA 120" CA | 60" CA 84" CA | 60"CA 84" CA
F-350 SRW 4x2 | 4x4
F-350 with Payload Package 4x2 | 4x4
F-350 DRW 4x2 | 4x4 | 1 | 3
F-450 4x2 | 4x4 | 1
F-550 4x2 | 4x4 | 1
F-550 with Payload Package 4x2 | 4x4 | 2 | 2 | 2
Wheelbase (WB) | 140.8" 164.8" 188.8" 200.8" | 161.8" 185.8" | 176.2" 200.2"
Rear Overhang (AF) | 47.5" 47.5" 47.5" 47.5" | 47.5" 47.5" | 47.5" 47.5"
Overall length (OAL) | 225.7" 249.7" 273.7" 285.7" | 246.7" 270.7" | 261.1" 285.1"

Payload Upgrade Package Available
- The F-550 Chassis Cab offers an optional payload upgrade package (68U) on all cab styles: Regular Cab, SuperCab or Crew Cab.

Additional Wheelbases Available
- A new 186" WB/84" CA is available with XL, XLT and Lariat trims for F-350/F-450/F-550 Chassis SuperCab models. (Note: The 6.4L diesel engine is not available with the 186" wheelbase in the F-350 4X2 Chassis Cab.)
- A new 200" WB/84" CA is available with XL, XLT and Lariat trims for F-350 Chassis Crew Cab models. (Note: The 6.4L diesel engine is not available with the 200" wheelbase in the F-350 4X2 Chassis Cab.)
F-Series Super Duty - Other Features and Benefits

MODEL/SERIES/TRIM

Exterior Trim Changes

Reverse Camera System (76V)
- A Reverse Camera System is available with XLT, FX4 and Lariat trims for all F-250/F-350/F-450 pickup models with (90D) power seats.
- Camera is mounted in tailgate handle bezel.
- The only reverse video camera in the industry to allow tailgate removal.

- Video display is contained in the interior rear view mirror.

Front Air Dam
- A larger 4” front air dam replaces the front valance panel all 4X4 models.

Interior Trim Changes

Integrated Compass
- All Lariat models with a standard self-dimming rear view mirror now include an integrated compass in the mirror
F-Series Super Duty - Other Features and Benefits

POWERTRAIN/CHASSIS

Wide Track Front Suspension (67W)
- A wide track front suspension is an available option for F-350 DRW 4X4 Crew Cab models with a diesel engine and an 8-ft. pickup box.
- Front wheel turning angles are sharper than with standard track front suspensions. This allows a vehicle of the same wheelbase to turn within a smaller circle.

FUNCTIONAL CHANGES

Rear Axle Ratios (Late Availability)
- New rear axle ratio is available for SRW pickup models with 6.4L diesel engine with automatic transmission and limited slip rear axle.
  - 3.55 with 17" or 18" tires and wheels.

Vacuum Brakes (Late Availability)
- Provided on all SRW diesel engine models, except dual alternator installations.
- Dual alternator option continues to use Hydro Boost brakes.
- Same system as used on SRW gasoline engine models.
- Includes a vacuum pump on the front accessory drive of the diesel engine.
- Hydro-Boost will be available as a limited production option (LPO) with SRW for those who require an open front accessory drive location.

Diesel One Touch Start
- Diesel one touch start is included for all diesel powered trucks.
- Enables faster starts with less effort.
- Move key to start position and release. Engine starts without need to hold key in the start position.
Tire Pressure Monitoring System (TPMS)

• A tire pressure monitoring system is standard on all F-250/F-350 SRW vehicles.
• A special fob is provided with the vehicle’s owner guide material. It is used to train the TPMS if any tire location is changed.
• Cannot be deleted; regulated content.
• A sensor is contained in each road wheel.
• Spare wheels have no sensors and can be used only as spares.
• All vehicles are shipped with low tire pressure. If you work on a vehicle before a dealer preps it (and sets the tire pressure), each tire’s pressure will have to be set to that on the tire placard.
• Any replacement wheels on SRW vehicles must have sensors.
OVERVIEW

The new 2008 Ford F-Series Super Duty reinforces the “Built Ford Tough” image of the F-Series and expands its availability to meet the needs of a multitude of commercial vocations, as well as personal use towing customers with the addition of a new F-450 DRW Crew Cab pickup. Ford F-Series Super Duty combines the attributes of power, capability, breadth and depth of product choices with new customer features to drive the changes for 2008.

FEATURES AND BENEFITS SUMMARY

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<tr>
<td>New F-450 DRW Crew Cab Pickup Model.</td>
<td>Meets the demands of customers for a higher capacity pickup model. The F-450 provides an industry leading towing capacity in excess of 24,000 pounds and a maximum payload of more than 6,000 pounds. It features the new 6.4L Power Stroke® diesel engine and is designed with personal trailer towing as the foremost consideration.</td>
</tr>
<tr>
<td>Upgraded FX4 Interior Trim.</td>
<td>Premium interior features have been added to the F-250 / F-350 pickup models with FX4 trim.</td>
</tr>
<tr>
<td>Improved Lariat Trim.</td>
<td>The upgraded Lariat trim includes many premium features in the cab and also includes 18-inch premium forged polished aluminum wheels as standard equipment.</td>
</tr>
</tbody>
</table>
F-Series Super Duty - Other Features and Benefits

Model/Series/Trim

New F-450 Pickup
- New F-450 DRW Crew Cab pickup model includes an 8-foot box on a wide frame (56-inch CA).
- Available in three trims: XL, XLT and Lariat with 6.4L diesel engine only. FX4 trim is not available with the F-450 pickup.
- Also included are: 135 Amp heavy duty alternator, 4.88 limited slip Standard rear axle (4.30 limited slip Optional rear axle), 38 gallon mid-ship fuel tank, TowCommand™ integrated trailer brake controller, High capacity trailer tow package and 16K Built Ford Tough™ trailer hitch receiver.
- TowCommand™ System is included with the Optional TorqShift™ automatic transmission.
- Manual telescoping trailer tow mirrors with power heated glass and integrated clearance lights/turn signals are Optional with XL and Standard with XLT trims. Lariat includes power telescoping and power fold features in addition to the features available on the XLT trim.

New FX4 Trim
- FX4 trim (previously an optional package) is available only as F-250/F-350 pickup, 4x4, SuperCab or Crew Cab, SRW or DRW and includes all previous FX4 features: Limited slip rear axle, Rancho branded shocks, transfer case and fuel tank skid plates.
- Includes: Advanced security group, body color front & rear bumpers, body color billet-style grille surround with Medium Platinum insert, Dark Shadow Grey wheel lip moldings, unique FX4 decals and 18-inch premium chrome (plastic clad) steel wheels with bright center ornaments.
- Standard interior features: All weather floor mats, black carpet, charcoal Black leather-wrapped steering wheel with speed control & tilt wheel, color coordinated cloth sun visors, single driver with covered mirror, single passenger with covered mirror, unique instrument panel insert with metallic patterned appliqué, Black or Medium Stone cloth seats with leather Optional, Black or Medium Stone interior color.
- Optional power telescoping, power fold trailer tow mirrors with power heated glass and integrated clearance lights/turn signals.
F-Series Super Duty - Other Features and Benefits - continued

Model/Series/Trim

New FX Trim (continued)
- Exterior colors: Dark Blue Pearl, Red, Black, Oxford White & Silver over Dark Shadow Grey two-tone. FX4 is available as monotone or with Dark Shadow Grey two-tone combination.

Lariat Trim
- Lariat trim includes power telescoping, power fold trailer tow mirrors with power heated glass and integrated clearance lights/turn signals on all models.
- 18-inch premium forged polished aluminum wheels are standard with SRW Lariat trim.

King Ranch Package
- King Ranch Package continues to be available for F-250/F-350/F-450 Crew Cab pickup models with Lariat trim.

Pickup Box Delete Option
- Pickup Box Delete option continues to be available for F-250/F-350 8-foot pickup models with 5.4L gasoline or 6.4L diesel engine with XL or XLT trim. 20-inch wheels are not available with this option.

Tailgate Step System
- The Tailgate Step is fully integrated into the tailgate and virtually invisible when not in use – the entire feature is housed in the tailgate with the lower step becoming the center of the top rail of the tailgate when not in use. To use the step, simply drop the tailgate into the down position, grab the bottom step, pull it straight out from the tailgate and drop it down into the step position – all in one easy motion. The 16.7 by 4.5-inch flip-down step pad makes it easy to step up into or down out of the bed to load or unload cargo. Tailgate Assist™ is included on all pickup tailgates.
Exterior Trim Changes
- Hydroformed front end structure.
- New front end components include: grille, hood, outer fender, front bumper and headlamps.
- New front fender side vents with integral badges on all models. The vents dissipate engine compartment heat and designate the type of powertrain beneath the hood; red for diesel, black for gasoline.
- Optional 4x4 Off Road Package (17X) is available on XL, XLT and Lariat pickup models.
- Optional dual sail, telescopic, heated glass, power folding & extending mirrors available on F-250/F-350 pickups with FX4 and Lariat trims. Includes integrated clearance lights/turn signals.
- Flush bonded rear back glass. An Optional power sliding rear window is available.
- New appearance for rear tailgate and bumper.
- Optional Stowable Pickup Box Extender (85B) for extra large cargo.
- Chrome Package and King Ranch Chrome Package will be late availability.
- Tailgate Assist™ is included on all pickup tailgates.
- All pickup box dimensions and bolt patterns are unchanged.

Interior Trim Changes
- Optional Tilt Steering Wheel (524) is available without cruise control on XL Fleet orders.
- Tilt Steering Wheel has increased range of movement. Audio/climate controls are included with Lariat trim. Audio controls are Optional with XLT/FX4.
- Homelink (85D) is Optional in driver’s visor. It incorporates a universal garage door opener.
- A power-point is located on the center floor console (included with Captain’s Chairs on XLT, FX4 or Lariat) in addition to the instrument panel. There is one power-point on the floor console with Regular Cab and two power-points on the console with SuperCab or Crew Cab.
- Captain’s Chairs are available only with automatic transmission.
- Optional bucket seats on XL trim include floor console with cup holder and storage bin.
- Power passenger seat is included with Power Seat option (90D) with SuperCab or Crew Cab on XLT, FX4 and Lariat pickup models. On Chassis Gabs, power seats are Optional with XLT and Standard on Lariat.
F-Series Super Duty - Other Features and Benefits - continued

Interior Trim Changes (continued)
• Rear seat air ducts are provided with automatic transmission and air conditioning on SuperCab or Crew Cab. (Not available with XL bucket seats or manual 4x4 shift).

• Door B-pillar mounted restraints with pre-tensioners on Regular Cab and Crew Cab; door mounted on SuperCab.
• All new interior colors and instrument panel: Camel, Medium Stone and Medium Stone with Black.
• Improved NVH materials for a quiet interior.
• All new modular instrument panel design featuring a two-tone appearance, distinctive gauges and round air registers.

Paint & Trim
• Exterior color changes:
  - Dark Blue Pearl replaces True Blue
  - Pueblo Gold replaces Arizona Beige
  - Forest Green replaces Dark Green Satin
  - Medium Wedgewood Blue is deleted
  - Dark Toreador Red is deleted.

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<thead>
<tr>
<th>New For 2008</th>
<th>Discontinued Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Blue Pearl</td>
<td>True Blue</td>
</tr>
<tr>
<td>Pueblo Gold</td>
<td>Arizona Beige</td>
</tr>
<tr>
<td>Forest Green</td>
<td>Dark Green Satin</td>
</tr>
<tr>
<td></td>
<td>Medium Wedgewood Blue</td>
</tr>
<tr>
<td></td>
<td>Dark Toreador Red</td>
</tr>
</tbody>
</table>

Exterior Color Changes
POWERTRAIN/CHASSIS

Engine
- New 6.4L Power Stroke® diesel engine replaces the previous 6.0L diesel engine. It includes a 135 Amp heavy duty alternator.
- Cabs may require removal to allow R&R of the diesel engine. Wire harnesses and other aftermarket modifications should be designed so the cab can be removed for engine removal and installation.
POWERTRAIN/CHASSIS (continued)

Powertrain
• Traction Control System (60T) is available with all engines to improve drivability in poor traction conditions.
• TorqShift® transmission external oil filter is replaced by a High Efficiency Sump Filter (HESF) located inside the transmission bottom pan. The new filter doubles the miles between replacement intervals (60,000 miles versus 30,000 miles) to reduce service costs. (Late Availability.)
• Electronic Shift-On-The-Fly (ESOF) is now available with dual fuel tanks; new for 2008.

FUNCTIONAL CHANGES

Climate Control
• Heater/Air Conditioning system is completely new including: Condenser, Compressor, Controls and Plenum. Electric actuators replace previous vacuum actuators and provide:
  • Quiet operation and increased air flow.
  • Much better side window demisters provide positive airflow for defogging of side windows.
  • Air Conditioner provides cooler air and quicker cool down of the cab.

• Optional Rapid-Heat supplemental cab heater is available for vehicles with a 6.4L diesel engine. It provides warmer discharge air temperature to allow the vehicle interior to heat up more quickly. It includes a 200 Amp (67D) extra heavy duty alternator.
• Mounted in the air flow behind the heater core in the plenum chamber.
FUNCTIONAL CHANGES (continued)

Climate Control (continued)
- Standard Dual Zone Electronic Automatic Temperature Control (EATC) is included with Lariat trim. Includes redundant controls on the steering wheel. Heated seat switches and heated mirror switches are integrated into the climate control head unit.
- FS20 piston type A/C compressor improves quality and reliability with all engines.

Cooling System
- Cooling system for the diesel engine uses a new 26-inch diameter fan, and is designed for optimum heat rejection to aid in meeting emissions standards.
- The engine cooling module can be removed without disconnecting the hoses to the auxiliary transmission oil cooler or the air conditioner condenser.
- Charge Air Cooler (CAC) is mounted to the front of the module. Other components attached to the cooling module include: Auxiliary transmission oil cooler, air conditioner condenser, power steering cooler, low temperature heat exchanger for fuel cooling and engine radiator.
- The radiator for the 6.4L diesel engine is significantly larger. There is no appreciable change in the size of the gasoline engine radiator.
- A water cooled, heat exchanger for fuel cooling and electric pump system helps maintain optimum fuel density.
- Quick connects replace conventional hose clamps for improved serviceability and better leak prevention.
Cooling System

- 6-bolt mounting of the module, and quick disconnects on every radiator hose allow quick removal of the module after fluids have been drained.

6 Bolt Mounting of Cooling Module

Electrical (Functional)

- Optional SecuriLock™ Passive Anti-Theft Ignition System (PATS) (52P) is available on all trim levels. PATS verifies the correct key is being used before allowing the vehicle to start. Keyless Entry Keypad is included with Optional Advanced Security Group (60F).

- Smart Power Distribution Junction Box (SPDJB) is located right hand inside lower kick panel area. It replaces the previous Power Distribution Junction Box.

- Optional Drivers Memory Package (60M) includes memory trailer tow mirrors, power driver seat and adjustable pedals.

- Wiring colors and circuit numbers are all new for 2008. Circuit designations are now 5 character alpha-numeric.

- One Touch Start (OTIS) is Standard on gasoline engines.

- The four upfitter switches activate relays and are fused to handle the following circuit loads: 10 Amp, 15 Amp (New) and two 30 Amp fused outputs.

Keyless Entry Keypad

Upfitter Switches
Electrical (Functional) (continued)

• An electronic PRNDL in the instrument cluster is provided with automatic transmissions.
• A travel timer is included in the Message Center.
• Message Center continues to provide engine hour meter.
• Daytime Running Lights (DRL) feature is Optional for 2008.

Electrical (Audio)

• Optional Satellite Digital Frequency Radio (39S) is available with XL or XLT SuperCab or Crew Cab. It is also available with FX4 or Lariat trims with all cab configurations.
• The Satellite interface box is located behind the trim panel on the LH side of the steering column behind the trim panel. The appearance of the radio does not change.

• A separate roof mounted antenna is provided for the satellite radio.

• Optional Navigation System Radio (58F) with in-dash screen is available on FX4 and Lariat trim. It includes DVD ROM, Audiophile AM/FM stereo/in-dash 6-disc CD/MP3 player/clock, 8-speakers and subwoofer.
• Optional Audiophile 6-disc CD/MP3 player (58C) is available with XLT, FX4 and Lariat trims. It includes leather wrapped steering wheel with audio controls.
• Optional rear seat DVD entertainment system (91D) is available on Crew Cab pickup models with XLT, FX4 or Lariat trims. (Not available on Chassis Cabs.)
• All CD players are MP3 compatible.
• Premium AM/FM Stereo/Cassette/Single CD/Clock Radio (58K) is no longer available.
• AM/FM Base Radio and Single CD Radio continue to be available.
• Auxiliary audio input jack interface for iPod connection to all sound systems that include a CD player.
**Electrical (Alternators)**
- 5.4L/6.8L gasoline engines use the carryover 115 Amp, 3G alternator.
- 6.4L diesel engine uses:
  - 135 Amp (SC1) standard on base content vehicles
  - 200 Amp (SC5) standard on high content vehicles with Rapid-Heat supplemental heater and/or snow plow and is optional on any diesel engine vehicle
  - Dual alternator option combines SC5 and 4GHO for a rated output of 320 Amp. Dual alternators are included in the ambulance prep package. They are an Optional upgrade on other diesel engine packages.

**Exhaust**
- California emissions system and 50 State emissions system are now available for 5.4L gasoline engine and automatic transmission in F-250 and F-350 pickup models.
- New diesel emissions requirements for CY 2007 and beyond require the use of a Diesel Particulate Filter (DPF). The 6.4L Super Duty uses a Diesel Oxidation Catalyst (DOC), which mates with the DPF to meet new emissions standards. The resonator/tailpipe assembly has a functional twin tip diffuser which should not be modified. It works in conjunction with the DPF/DOC assembly to reduce outlet exhaust gas temperature.
F-Series Super Duty - Other Features and Benefits - continued

Frame
- All frames are E-Coated and have a hard, shiny black appearance. This results in a thinner coating than the previous hot wax dipped frame but with improved corrosion protection.
- E-Coat is much cleaner to work with compared to hot wax dipped.

- New Drop Front Frame Horn eliminates the need for a Blocker Beam®.

- All six body and front end sheet metal bolts with new tuning are accessible from under the frame resulting in improved serviceability of cab and front end sheet metal, and improved isolation of cab from transmitted road noise.
- Bolts engage “caged” nuts, which are a part of the cab structure beneath the floor pan, thereby simplifying body service.

- All F-250 through F-550 Super Duty models are provided with Standard front tow hooks. The tow hooks are mounted to the top of the frame rail and include brackets for mounting the bumper.
F-Series Super Duty - Other Features and Benefits - continued

**Frame (continued)**

- All Pickup and F-350 Chassis Cab models incorporate a 2-piece weldment rear suspension bracket at the front end of the spring for increased stiffness.

![Rear Suspension Front Bracket](image)

- The #6 crossmember of all F-250 through F-450 pickup models is a 2-piece weldment. It is securely attached to the frame rails by welding. This provides exceptional stability at the rear of the frame. Welding to the frame is lighter weight than riveting or bolting.

![2-Piece Weldment #6 Crossmember for Pickups](image)

- The #6 crossmember of all Chassis Cab models is riveted to the frame rail to provide ease of modification requiring relocation of the crossmember (e.g., wrecker body installation). The mounting holes for relocating the crossmember will be provided post Job #1.

![Bolted #6 Crossmember for Chassis Cab](image)

- Every F-250 through F-450 pickup model has a Standard trailer hitch and 7/4 way trailer tow connector. They have the following capacities:
  - 12.5K with F-250 and F-350 Super Duty pickup with SRW
  - 12.5K with F-250 and F-350 Super Duty pickup with 5.4L gasoline engine and DRW
  - 15K with F-250 and F-350 Super Duty pickup with 6.4L diesel or 6.8L gasoline engines and DRW
  - 16K with F-450 Super Duty pickup

![Trailer Hitch Receiver (Typical)](image)
F-Series Super Duty - Other Features and Benefits - continued

Frame (continued)
- A lug wrench and new 3-piece jack handle extension tool is packaged in a handy storage bag behind the driver’s seat or underneath the rear seat for SuperCabs and Crew Cabs. A 2-piece jack handle extension was supplied in previous years.

Fuel - Diesel Engine
- The 6.4L diesel engine is approved for use with up to 5% bio-diesel fuel.
- An independent active fuel cooling system is used with the 6.4L Power Stroke® engine to help maintain fuel density to the injectors and provide fuel pump lubrication. Fuel cooling is required due to the engine’s new High Pressure Common Rail (HPCR) fuel supply system.
- An electric pump circulates coolant through the water-to-fuel cooler. The coolant is cooled by passing through an independent front mounted radiator. The Engine Control Module (ECM) causes the pump to operate when the fuel temperature exceeds a preset limit.
- The vehicle must not be operated without a properly functioning fuel cooling system.
- The fuel lines for 2008 are larger than in prior years.

- The Horizontal Fuel Conditioning Module (HFCM) is new for 2008. It operates at a different pressure level and flow rate, and is not compatible with prior year fuel systems.
- The HFCM is mounted in the same location as prior models; inside the frame rail and approximately under the driver’s seat.
- The HFCM has a larger water reservoir that can be drained by moving a ‘flip’ lever. It has the additional advantage of extended filter service intervals; increased from 15,000 to 20,000 miles. Both the engine mounted fuel filter and the filter in the HFCM must be changed at the same time.
F-Series Super Duty - Other Features and Benefits - continued

**Fuel – Gasoline Engines**
- A new, smaller, more efficient Fuel Evaporation Canister (FEC) is being used on 2008 gasoline engine pickups.
- The FEC is reduced in size from 4.5L to 3.9L. It incorporates high efficiency carbon and a dedicated purge line.
- The FEC continues to be mounted next to the spare tire.

**Fuel - Tank Capacities**
- The available fuel capacities are:
  - 30.5 gallon mid-ship fuel tank with short pickup boxes, F-250 and F-350.
  - 38 gallon mid-ship fuel tank with long pickup boxes, F-250, F-350 and F-450.
  - Optional 19 gallon mid-ship fuel tank with all DRW Chassis Cab models.
  - 40 gallon aft-of-axle fuel tank with all Chassis Cab models, or Optional dual 19 gallon/40 gallon fuel tanks. These tanks and tank combinations are carryover from prior year Chassis Cab models.

**Suspension**
- Staggered rear shock absorbers with F-250 and F-350 SRW pickup models have enhanced motion ratio for stability and smooth ride.
- A monobeam front suspension incorporates new left hand track bar brackets.
- Enhanced front and rear stabilizer bars for confident handling.
- Stiff two-piece intermediate steering shaft enhances precise steering control.
- 4x2 FGAWR is increased to 5,250 lb.
- 5 new wheels are available. They include both 18-inch and 20-inch sizes.

- New 8-inch longer rear leaf springs provide enhanced ride and handling characteristics.
Year after year, Ford F-53 Chassis has been a Class A Motorhome sales leader. Its Triton® V10 gasoline engine, 5-speed TorqShift® transmission, a tough ladder-type frame, expanded range of wheelbase offerings and higher gross vehicle weight ratings make this a popular choice among RV’ers at all levels of the market. These exceptional features are further enhanced by available maintenance free aluminum wheels on some GVWR’s and a 5 year/60,000 mile Powertrain Warranty on all GVWR chassis.

FEATURES AND BENEFITS SUMMARY

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>New 24,000 and 26,000 lb. GVWR chassis (17H). available in 228” or 242” wheelbases</td>
<td>Expanded choices for increased flexibility of body builders in meeting customer demand.</td>
</tr>
<tr>
<td>New High tensile 50,000 psi frame material required for long wheelbase, high GVWR frames</td>
<td>High strength steel provides the rigidity and support</td>
</tr>
<tr>
<td>New 158” wheelbase with 16,000 lb. GVWR chassis</td>
<td>Increased design flexibility is provided for shorter motorhome body lengths.</td>
</tr>
</tbody>
</table>
F-53 Chassis - Other Features and Benefits

MODEL/SERIES/TRIM

GAWR/GVWR/GCWR
- New 24,000 lb. GVWR (30,000 lb. GCWR) chassis is available in 228" and 242" wheelbases.
- New 26,000 lb. GVWR (30,000 lb. GCWR) chassis is available in 228" and 242" wheelbases.
- New 158" wheelbase is available on 16,000 lb. GVWR chassis. This is a good entry level Class A chassis for 24 foot to 26 foot motorhomes.

POWERTRAIN/CHASSIS

Engine
- 6.8L V10 362 HP, 457 ft.-lb. Torque engine is carry-over.

Transmission
- External transmission filter is deleted June 2007
- New high mileage internal transmission filter is utilized. Service interval is increased from 24 to 36 months.

Driveline System (24/26K GVWR)
- New driveshafts to accommodate new rear axle.
- Rear driveshaft tube diameter is 4.0" versus 3.5".
- New rear driveshaft yoke – utilizes SPL100 versus 1480 Series universal joint.
- Refer to “REFERENCE SPECIFICATIONS” tab in binder for the revised 2008 driveshift chart.

Frame
- New 50,000 psi tensile strength steel frame is standard on 24,000 lb. And 26,000 lb. Chassis. There are no welding restrictions for this frame.
- Two piece frame assembly on all GVWR’s.
- Common rear section on all frames
- Fasteners at the 2-piece joint CANNOT be re-used – refer to Body Builders Layout Book for complete description.
- Dimensions for 24,000 lb. and 26,000 lb. GVWR frames are the same as for the 22,000 lb. frame.
F-53 Chassis – Other Features and Benefits

POWERTRAIN/CHASSIS (continued)

Suspension – Front (24/26K GVWR)
- New 9,000 lb. front springs are 3.0” wide ILO 4.0” used on 16,000 lb. through 22,000 lb. chassis.
- Spring mounting hole revision due to narrow spring – relocated inboard to provide for 50 degree wheel cut.
- Revised front shock tuning.

Suspension – Rear (24/26K GVWR)
- New rear springs – increased spring rates; 15,500 lb. with 24,000 lb. chassis and 17,500 lb. with 26,000 lb. chassis.
- New rear spring brackets due to increased GVWR.
- Revised rear shock tuning.
- New rear axle jounce bumper.
- New rear axle stabilizer bar system (links, bushings, bar).

FUNCTIONAL CHANGES - EXTERIOR

Axle – Front (24/26K)
- New front axle for 9,000 lb. FGAWR (increased size and section).

Axle – Rear (24/26K)
- New 17,500 lb. capacity rear axle assembly (Dana 17060S)
F-53 Chassis – Other Features and Benefits

FUNCTIONAL CHANGES - EXTERIOR
(continued)

**Brakes (24/26K)**
- New HydroMax brake booster reservoir.
- Reservoir height increased 28mm.
- Utilizes Super Heavy Duty DOT 4 brake fluid (same as 22,000 lb. chassis).
- New front and rear jounce hoses due to new calipers.
- New front and rear ABS sensors.
- Software revisions to ABS module.

**Brakes – Front (24/26K)**
- New revised and larger, 2-piston front brake caliper.
- New hub & rotor assembly, wheel bearings and dust shield.

**Brakes – Rear (24/26K)**
- New larger rear brake caliper.
- New rear axle brake lines due to new rear axle.

**Electrical System**

**One Touch Integrated Start (OTIS)**
- Computer assisted cranking system.
- Designed to reduce starter motor/drive damage.
- Once key is turned to START position and released, PCM controls starter engagement.
- Engine may continue cranking up to 10 seconds (or until engine starts).
F-53 Chassis – Other Features and Benefits

POWERTRAIN/CHASSIS (continued)

Electrical - Wiring
• Main frame harness is routed in the right frame rail.
• Previously routed in the left frame rail.

Exhaust System
• Exhaust system – carryover.
• Deleted exhaust heat shields.
• Refer to Body Builders Layout Book and QVM Guidelines for heat management recommendations.

Fuel System
• New fuel filter location.
• Fuel pump inertia switch has been eliminated.
• Fuel pump delivery module is relocated from the left frame rail to the right frame rail.

Steering System (24/26K)
• New steering gear – TRW TAS-55
• New pitman arm.
• New steering gear attaching plate.
• New drag link – increased ball stud size.
• 50 degree wheel cut angle
• Steering gear moved forward by 43mm compared to 22,000 lb. chassis.
• Input shaft/intermediate shaft remain in the same location. Carry-over intermediate shaft.
• Carry-over power steering lines with revised routing.
**FUNCTIONAL CHANGES - EXTERIOR (continued)**

**Wheels**
- 22.5” aluminum wheels are standard on 24,000 lb. and 26,000 lb. chassis.
- All aluminum wheels now utilize Alcoa Durabright XBR finish – effective 2007MY. XBR finish is 53% more reflective, image clarity is improved by 74% and it cleans with soap and water.
- Competitor uses polished aluminum with no surface finish – requires ongoing maintenance.
- Lug nut torque remains the same as aluminum wheels with 22,000 lb. chassis.
- Larger wheel envelopes provided on CAD CD.

**Tires**
- New 255/80Rx22.5G Michelin XRV tires are standard on 24,000 lb. and 26,000 lb. chassis.
- Recommended inflation pressure for the 255/80Rx22.5 tire is 100 psi.
- New Continental 225/70Rx19.5F are standard on 16,000 lb. chassis for improved ride (June 2007 pull-ahead).
- Builders will want to review tire clearance for all bodies.

**FUNCTIONAL CHANGES - INTERIOR**

**Steering Wheel**
- 17.5” steering wheel replaces the previous 15.5” steering wheel with 16,000 lb. chassis.

**Instrument Cluster**
- Instrument cluster is carry-over from 2007MY.
OVERVIEW

The F-650/F-750 Super Duty are proven products with outstanding quality. Ford uses continuous improvement to refine their design and assembly practices. These trucks continue to supply the ruggedness, reliability and comfort demanded in the Class 6 and 7 diesel market. Three factory-built cab configurations provide customers the opportunity to match the truck to the desired commercial application. Added flexibility is provided by a choice of F-650 straight frame or F-650 "Pro Loader" kick-up frame for low frame height while maintaining a flat top of frame design.

FEATURES AND BENEFITS SUMMARY

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Cummins 6.7L ISB engine replaces the 5.9L.</td>
<td>6.7L Cummins engines are painted a distinctive ‘Red’ color and include many upgraded power ratings for 2008.</td>
</tr>
<tr>
<td>Radiator has a larger frontal area.</td>
<td>Larger size radiator provides additional cooling to support higher torque and horsepower ratings.</td>
</tr>
<tr>
<td>Four Clean CA packages with Regular Cab.</td>
<td>Top frame of frame is unobstructed from back of cab to end of frame providing unrestricted mounting of bodies or equipment.</td>
</tr>
<tr>
<td>Redesigned exhaust Aftertreatment devices.</td>
<td>Efficient exhaust treatment helps to maintain clean air while reducing noise.</td>
</tr>
</tbody>
</table>
F-650/750 Super Duty - Other Features and Benefits

Model/Series/Trim

Product Changes
- Neither the F-750S model nor the integral front frame extension is available in 2008.
- Bolt-on front frame extension is a post Job #1 release for F-650/F-750.
- Swept back front bumper is a post Job #1 release for F-650/F-750.
- Fixed grille option is no longer available for F-650PL/F-650/F-750.

Seats
- New Gramag air suspension seat with integral air supply pump is available only with hydraulic brake models.
- Conventional air suspension air seats are available only with air brake models.
- Hand pump air suspension seats are no longer available (late availability).

- New cloth seat covering material for seats. Marta cloth replaces previously offered mortar cloth with brick cloth insert for all cloth seats.

Powertrain/Chassis

Engine
- Cummins 6.7L 200 HP is the Standard engine. All Cummins engines are painted red. Both Cummins and Caterpillar engines are available in many optional power ratings. Several order codes and power ratings have changed, and prior year order codes should not be used.

F-750S and Integral Front Frame Extension Discontinued

New Air Suspension Seat

New Cloth Seat Covering

Standard Cummins 200 HP Engine
Powertrain/Chassis (continued)

Engine (continued)
• Both the Cummins and Caterpillar engines can be ordered with an optional unique exhaust brake, Code 57B, that is integral with the turbocharger.
• Aftermarket exhaust brakes are prohibited due to Diesel Particulate Filter (DPF) regenerative cycle strategy.

Functional Changes

Cooling System
• Significantly larger radiators are being used. They come in four configurations; two for Cummins and two for Caterpillar engines.
• Larger radiators provide additional cooling to support higher torque and horsepower ratings.

Electrical
• The temporary battery box ground strap frame attachment must not be relocated further rearward on the frame due to potential frame losses.
• A standard 130 Amp alternator replaces the 100 Amp alternator which is no longer available.

Exhaust
• Exhaust aftertreatment devices and locations.
  1. Aftertreatment devices are located either outside the right side frame rail under cab for Cummins and Caterpillar engines or under the right side frame rail rear of cab for Cummins engines only. Mounting is a function of vehicle design and optional locations are not available.
  2. A Diffuser is included at the end of all horizontal exhaust outlets and must not be removed.
• Bright vertical exhaust stack is no longer available.
• PTO installation on the LH side of the transmission is permitted.
• PTO installation is not recommended on the right side of any transmission due to limited clearance to the exhaust system.
• Front mounted PTO provision and front frame extension are not available.
Functional Changes (continued)

Frame
- Widened right side frame rail forward of the front axle to accommodate wider cooling module.
- Revised bumper opening to support relocated RH side tow hook.
- Block heater plug-in is located on driver’s side tow hook opening.

Fuel Tanks
- Fuel tanks are offered in specific Fuel Tank/Battery Box/Exhaust packages which include exhaust and battery box placement. The mounting location of the standard fuel tank is on the left side under the cab.

- All fuel tank offerings require a left side mounted fuel tank. The fuel system draws and returns from the left hand side.

- The decal specifying the use of ultra low sulfur diesel fuel only is to be applied in a clearly visible location in close proximity to the fuel filler cap. This decal is supplied in the dunnage package accompanying the vehicle.
Functional Changes (continued)

Fuel Tanks (continued)
- Four specific Clean CA frame rail configurations are available with Regular Cab.
- Clean CA is available with temporary battery mounting configurations. Temporary battery mounting continues to be available by Special Order. See the chart for codes and descriptions.

**Clean CA With Regular Cab (Typical)**

- 70 Gallon Rect. w/BOC Aftertreatment (65P)
- 45 Gallon Rect. w/under cab Aftertreatment and temp. mounted batteries (65R)
- 50 Gallon D-style w/under cab Aftertreatment and temp. mounted batteries (65L)
- 65 Gallon D-style w/under cab Aftertreatment and temp. mounted batteries (65N)
Functional Changes (continued)

Suspension

• 14,000 lb. I-140S front axle (43E) and 14,000 lb. parabolic taper leaf front springs (61F) are Optional on the F-750 model for 2008. The combination includes front shock absorbers.

• Two new axles are released for the F-650PL model to replace previous axles of equal capacity. The new axles are the 13,500 lb. S14-130 (47A) and 15,500 lb. S16-130 (47B).

Tires

• Hankook becomes the standard tire on all 2008 F-650/750 models and is available in optional sizes. Goodyear and Michelin continue to be available options.
OVERVIEW

The 2008 Ford LCF trucks are specifically engineered and designed for the North American market. The forward tilting cab allows for wide-open serviceability of the engine and transmission without sacrificing interior room and comfort. Buyers looking for exceptional maneuverability, visibility and low operating costs will find what they are looking for in the Ford LCF. The attractiveness of the Ford LCF product is enhanced by a generous measure of traditional Ford toughness.

FEATURES AND BENEFITS SUMMARY

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chrome Grille and Front Bumper.</td>
<td>The attractive and easy to care for chrome grille and chrome front bumper add a ‘touch of class’ to a tough working commercial quality truck.</td>
</tr>
<tr>
<td>Front License Plate Bracket.</td>
<td>For use in the States requiring a front mounted license plate or for company logo plate, the Ford LCF now offers an optional front license plate bracket from regular production.</td>
</tr>
</tbody>
</table>
Ford LCF - Other Features and Benefits

MODEL/SERIES/TRIM

Standard Wheelbase Lengthened
- The standard wheelbase is lengthened to 115"/86" CA to allow room for the exhaust aftertreatment device.
- The 113"/84" CA wheelbase is no longer available.

EXTERIOR TRIM CHANGES

Chrome Grille and Bumper
- A new chrome front bumper (86D) was introduced in late 2007. The chrome bumper is now included with the chrome grille (86C) and can not be ordered separately.
- Front tow hooks (76B) are not available with the chrome bumper and grille package.

Front License Plate Bracket (57E)
- A convenient license plate bracket is available with the chrome bumper and grille package in regular production for use in the States requiring a front license plate.
Ford LCF - Other Features and Benefits

INTERIOR TRIM CHANGES

New Overhead Console
• New overhead console for added storage and function.
• Improved fit and finish.

POWERTRAIN CHANGES

Modified 4.5L V6 Diesel Engine
• Modified 4.5L V6 diesel engine to meet 2007 emissions requirements.
  - Closed crankcase emissions requirements.
  - Turbocharger modifications.
  - High efficiency EGR cooler

FUNCTIONAL CHANGES

Revised Maintenance Intervals
• Increased time between service intervals reduces cost of ownership by keeping the vehicle on the road and out of the shop.

<table>
<thead>
<tr>
<th>Maintenance Intervals</th>
<th>2007</th>
<th>2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil and filter change</td>
<td>6 months or 7,500 miles</td>
<td>6 months or 10,000 miles or 400 hours</td>
</tr>
<tr>
<td>Fuel filter Change</td>
<td>1 year or 15,000 miles</td>
<td>1 year or 20,000 miles</td>
</tr>
<tr>
<td>Power steering fluid change</td>
<td>1 year or 97,500 miles</td>
<td>5 years or 100,000 miles</td>
</tr>
<tr>
<td>Rear axle fluid change</td>
<td>1 year or 60,000 miles</td>
<td>100,000 miles</td>
</tr>
<tr>
<td>Automatic Trans. fluid change</td>
<td>4 years or 30,000 miles</td>
<td>4 years or 60,000 miles</td>
</tr>
</tbody>
</table>
OVERVIEW

The 2008 Ford LCF trucks are specifically engineered and designed for the North American market. They meet the concerns of buyers for maneuverability, visibility, and low operating costs, and provide traditional Ford toughness.

FEATURES AND BENEFITS SUMMARY

<table>
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<tr>
<th>Feature</th>
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</thead>
<tbody>
<tr>
<td>Modified 4.5L V6 diesel engine.</td>
<td>Meets CY 2007 emission requirements.</td>
</tr>
<tr>
<td>New Aftertreatment exhaust system.</td>
<td>Incorporates a catalytic converter and particulate filter for reduced emissions.</td>
</tr>
<tr>
<td>Larger cooling module.</td>
<td>Accommodates heat rejection requirements of heat generating powertrain components.</td>
</tr>
</tbody>
</table>
Ford LCF - Other Features and Benefits

Powertrain/Chassis

Engine
The 2008 4.5L V6 diesel engine is designed to meet 2007 emission requirements with:
- Modified intake throttle
- Improved injector spool delay
- Modified turbocharger
- Exhaust back pressure (EBP) sensor
- High efficiency EGR cooler
- No change to horsepower or torque ratings

Functional Changes

Cooling System
- The large cooling module is designed for optimum heat rejection to aid in meeting 2007 emission requirements.

Exhaust System
- New Aftertreatment exhaust system includes a catalytic converter and particulate filter for reduced emissions.

Tires
- Hankook tires became standard equipment late in the 2007 model year and carryover to 2008 models.
- Goodyear and Michelin continue to be available options.
**OBTAINING PUBLICATIONS**

**Ford Truck Body Builders Layout Book**
Order and access via www.fleet.ford.com/truckbbas.

**Incomplete Vehicle Manuals**
Access at www.fleet.ford.com/truckbbas under “Publications”.

**Ford Recreation Vehicle and Trailer Towing Guide**
The guide covers cars and light trucks, and includes trailer and camper weight ratings and the list of vehicles suitable for flat-towing. A copy can be obtained by contacting the Ford RV Information Service at (800) 245-7343, leave name and shipping address, or Fax to (248) 936-3300. This guide can also be accessed via the web at www.fleet.ford.com/truckbbas under “Publications”.

**Service Publications**
The “Ford Technical Publications Catalog” lists the service publications available, and includes pricing, an order form, and a mailer. Contact Helm, Inc. at 800-782-4356.

Some Service Publications are also available online at www.motorcraft.com. See Bulletin Q-118 on the BBAS website for additional information. Useful publications include “Truck Wiring Diagrams” and the “Service Specifications” book.

**Body Builder Quality Bulletins**
Body Builder Quality Bulletins provide key information to assist body builders in interfacing with a Ford chassis. Access the bulletins via the web at www.fleet.ford.com/truckbbas under “Bulletins”.

**Ford Truck Quality Program Guidelines**
This manual provides guidelines for final stage manufacturer modifying Ford products. It also includes an introduction to process controls, quality controls, customer support and management practices. Access the guidelines via the web at www.fleet.ford.com/truckbbas under “Publications”.

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IMPORTANT PHONE NUMBERS AND WEBSITES

INTENDED FOR GENERAL USERS & CUSTOMERS OF COMPLETED VEHICLES

Ford Customer Assistance
Customer Assistance Center: 800-392-3673
Roadside Assistance Center: 800-241-3673
Web Site: www.ford.com

Ford RV (Customer Assistance Center)
To locate the nearest RV service center: 800-444-3311

INTENDED FOR FINAL STAGE MANUFACTURERS & VEHICLE MODIFIERS

Ford Truck Body Builders Advisory Services (BBAS) – including F-53 Class “A” Motorhome Chassis
Truck: 877-840-4338
Fax: 313-594-2633
Web Site: www.fleet.ford.com/truckbbas
E-Mail Address: bbasqa@ford.com

List of Ford Pool Accounts and Qualified Vehicle Modifiers
www.fleet.ford.com/truckbbas > Other > QVM Participants or www.fleet.ford.com > Showroom
Then: Select the desired vehicle type (Ambulance, Motorhome, etc.) > Choose a chassis type (if required) > Modifier Links-Qualified Vehicle Modifiers

Ford Alternative Fuels Information
Vehicle models available, list of authorized Ford dealers, and Leaf & Road Newsletter.
1-800-34-FLEET
Select #5

Ford Component Sales
313-390-0759
Fax: 313-390-1581

Vehicle Special Order, VSO Fleet Sales
1-800-34-FLEET
Select #4