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WHAT'S NEW

This page is about:

- Exterior Changes
- Interior Changes
- Functional Changes
- Options Added
- Options Deleted
- Key Competitors

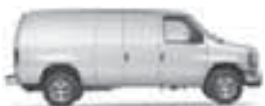
2009 E-Series Van/Cutaway

What's New

Overview

Key Messages

E-SERIES VAN/CUTAWAY



- 2009 Ford E-Series continues to build on its proven strengths as the leader in sales and customer loyalty
- Tire Pressure Monitoring System (TPMS) is standard on all single-rear-wheel (SRW) models
- Added interior storage includes an all-new glove box with power point, instrument panel storage bin and more functional cup holders
- AdvanceTrac® with RSC® (Roll Stability Control™) is standard on all E-Series Recreational Van models and optional on select E-Series Commercial Van models

Exterior Changes

- New colors added:
 - Brilliant Silver Clearcoat Metallic (UI)
 - Royal Red Clearcoat Metallic (JL)
 - Sterling Grey (UJ) (Van only)
- Colors deleted:
 - Dark Shadow Grey (Van only)
 - Dark Toreador Red Clearcoat Metallic
 - Silver Clearcoat Metallic

Interior Changes

- All-new instrument panel
- All-new door panels with two integrated storage bins; a retention strap is included on the upper door bin on the driver's side
- All-new engine cover console includes more functional cup holders, a removable ash cup, an integrated slot for a clipboard and integrated stowage shelf
- Added storage — all-new glove box with power point, tray above passenger airbag and instrument panel storage bin
- Audio jack located in the instrument panel is standard on models equipped with CD radios
- New instrument cluster with electronic transmission shift indicator and optional two-line message center
- New front-seat design with revised head restraint height
- Power windows have one-touch-down driver's window
- User-defined switches (4) located at the top of the instrument panel are optional on all Van/Cutaway models

Functional Changes

- 4.6L and 5.4L SOHC Triton® V8 engines are E85 Flex Fuel compatible in all applications
- E-350 SRW Super Duty Chassis Cab with 40-gallon midship fuel tank and 9600-lb. GVWR available
- 40-gallon aft-of-axle fuel tank replaces 37-gallon aft-of-axle fuel tank (Cutaway)
- 55-gallon aft-of-axle fuel tank is standard on E-450 Cutaway and available on 158" DRW E-350 Cutaway and Stripped Chassis models

- Aerial bucket prep package available on E-350 Commercial Vans
- AdvanceTrac® with RSC® (Roll Stability Control™) is standard on all E-Series Recreational Vans and optional on all Commercial Vans equipped with gasoline engines (limited-slip axles not available for AdvanceTrac with RSC [Roll Stability Control] equipped models)
- All Van/Cutaway models with gasoline engines include one-touch-start functionality
- Standard alternator output is 120 amperes; a heavy-duty 155-ampere alternator is available on 5.4L and 6.8L engines and an extra-heavy-duty 195-ampere alternator is available on 6.8L engines
- Standard rear cargo doors can be opened up 172 degrees for easier access

Options Added

- An Integrated Trailer Brake Controller is available on all Van models with gasoline engines
- A passenger-side airbag cutoff switch is available on Commercial Vans
- Forged aluminum wheels are available on Vans and SRW Cutaways with gasoline engine only
- Navigation System with SIRIUS® Travel Link™ is an option on all Van/Cutaway models and includes a 6-disc CD changer with 6 speakers, satellite radio compatibility with a 6-month subscription to SIRIUS and an audio jack
- A Rear View Camera option is available on all Van models and includes a camera mounted in the rear license plate bracket and a video display with distance graphic in the electrochromic rearview mirror or in the navigation screen for those models equipped with the optional Next Generation Navigation System
- Ford Work Solutions™ provides customers unprecedented levels of connectivity, flexibility and security to assist them in the day-to-day operation of their business

Options Deleted

- Deluxe engine cover console no longer available

Key Competitors

- **Chevrolet Express Cargo Van** — boasts of convenience (the widest rear-door opening in the industry), performance and towing capability
- **Dodge Sprinter** — promoted as the only van with walk-in cargo capability and the highest cargo volume in the segment — and best fuel economy

NOTE: See the latest Dealer Ordering Guide for feature availability.

2009 E-Series Van/Cutaway

What's Important

WHAT'S IMPORTANT

This page is about:

Product Highlights

Product Highlights

KEY E-SERIES VAN/CUTAWAY FEATURES

**Standard four-wheel disc
Anti-lock Braking System (ABS)
on all models**

(pgs. 16, 17, 20, 28)

**Class I Trailer Towing
Package included
with available rear
step bumper**

(pg. 29)

**Class II/III/IV Trailer
Towing Package
available**

(pg. 29)



**E-250/E-350/E-450
Super Duty® Cutaway models**

(pg. 36)

**Triton® engines: 4.6L
SOHC V8, 5.4L SOHC V8 and
6.8L SOHC V10**

(pgs. 12, 13)

**TorqShift® 5-speed automatic
overdrive transmission**

(pgs. 12, 13, 14)

**6.0L Power Stroke®
V8 turbo diesel engine**

(pgs. 12, 13, 14)

Ford Work Solutions™

(pg. 23)

Performance/Handling

- Engines:
 - 4.6L SOHC Triton® V8
 - 5.4L SOHC Triton V8
 - 6.8L SOHC Triton V10
 - 6.0L Power Stroke® V8 turbo diesel
- Transmissions:
 - 4-speed automatic overdrive
 - TorqShift® 5-speed automatic overdrive
- Four-wheel disc brakes with Anti-lock Braking System (ABS)
- Electronic Throttle Control (ETC)

Quality/Reliability/Durability

- Body-on-frame construction
- Engine oil cooler standard on all models
- Fail-safe cooling system
- Extended maintenance intervals/ease-of-maintenance design
- Maintenance-free battery
- Double-wall cargo area
- Extensive component testing
- 5-year/60,000-mile Powertrain Limited Warranty
- 5-year/60,000-mile Roadside Assistance
- Tire Pressure Monitoring System (TPMS) for SRW models

Flexibility

- Racks and Bins System (no charge)
- QuietFlex™ III Composite Rack and Bins System (no charge)
- EconoCargo System (no charge)
- Crew Van Package
- Choice of standard 60/40 swing-out side doors or optional sliding side cargo door
- E-Guard Cargo Protection System™
- Ford Work Solutions™

Capability

- E-250/E-350/E-450 Super Duty® Cutaway models
- Vocational Packages tailored to vocational needs
- Class I Trailer Towing Package and Class II/III/IV Trailer Towing Package

NOTE: See the latest Dealer Ordering Guide for feature availability.

MODEL LINEUP

This page is about:

Commercial Van

2009 E-Series Van/Cutaway Model Lineup

Model Lineup Pages

The Model Lineup pages are based on the Dealer Ordering Guide and are designed to show key features/equipment on that model. As you move through the model lineup, each model adds to or upgrades the equipment of the preceding model, except where additions/exemptions are noted. The E-Series Van/Cutaway is available in the following models:

- Commercial Van
- Recreational Van
- Cutaway
- Stripped Chassis

Commercial Van — Standard model



Performance/Handling

- Axle
 - Front twin I-Beam
 - Rear semi-floating
 - Rear full-floating (E-350 DRW/E-450 Cutaway)
- Brakes — four-wheel disc Anti-lock Braking System (ABS)
- Electronic Throttle Control (ETC)
- Shock absorbers — heavy-duty
- Steering — power
- Tires
 - Spare tire and wheel (not included^(1, 2))
 - LT225/75R16E BSW A/S (E-150 Van)
 - LT245/75R16E BSW A/S (Van, except E-150 Van)
- Transmission
 - 4-speed automatic overdrive
 - 5-speed automatic overdrive
 - Auxiliary transmission oil cooler

- Tire Pressure Monitoring System (TPMS) (SRW, except Stripped Chassis, only)
- Wheelbase — 138 inches (Van/Cutaway)
- Wheels — 16" x 7" steel wheels with full sport wheel cover

Quality/Reliability/Durability

- Alternator — 120-amp gasoline/110-amp diesel
- Auxiliary fuel port^(1, 2)
- Battery — maintenance-free
- Fuel tanks
 - 35-gallon midship
 - 40-gallon (aft-of-axle) (E-350 Cutaway/Stripped Chassis)

Flexibility

- Airbag — driver and front passenger (second generation)^(1, 3)
- Air conditioning — front^(1, 3)
- Audio — electronic AM/FM stereo/digital clock/2 speakers
- Bumper
 - Black painted front with lower black plastic valance
 - Chrome front and rear (Recreational Van)

- Console — slim line engine cover console color-keyed with dual-bin stowage and 3 cup holders
- Door — hinged side cargo 60/40 swing-out⁽³⁾
- Floor covering — front, black vinyl
- Ford oval on grille^(1, 3)
- Glass — solar (no rear glass standard on Commercial Van)
- Glove box with auxiliary power point
- Grille — Black
- Headlamps — halogen sealed beam
- High-mount stoplamp
- Horn — electric, dual note
- Instrument panel — Medium Flint w/ tachometer
- Lighting
 - Light and Convenience Group — courtesy light switches on all doors, warning chime, headlamps-on audible alert
 - Front dome, rear cargo lights

- Mirror
 - Interior day/night rearview mirror INCLUDED on Commercial Vans with rear door glass
 - Interior day/night rearview mirror NOT INCLUDED when vehicle is ordered without rear door glass
- Mirrors — manual telescoping trailer tow with manual glass on Commercial Vans
- Modified vehicle wiring kit
- Power point — 12V source in instrument panel
- Safety belts — Medium Flint with height-adjustable D-ring
- Seats — dual bucket seats with vinyl trim and inboard armrests
- Steering wheel — tilt, black vinyl
- Stepwell pads — black plastic
- Trim
 - A-pillar grab handle — driver and passenger
 - LH/RH black cowl trim panels
 - Vinyl headliner (front only)
- Windshield wipers — interval

Capability

- Handling Package (incl. front stabilizer bar and heavy-duty front and rear shock absorbers)

(1) Cutaway.

(2) Stripped Chassis.

(3) Van.

NOTE: The above information is an excerpt from page 3 of the 7/1/08 E-Series Van Dealer Ordering Guide and page 3 of the 5/23/08 E-Series Cutaway/Stripped Chassis Dealer Ordering Guide. For the latest Dealer Ordering Guide go to fmcdealer.com

2009 E-Series Van/Cutaway

Model Lineup

MODEL LINEUP

This page is about:

- Recreational Van —
- Cutaway —
- Stripped Chassis —

Recreational Van — All Commercial Van content, plus:



Flexibility

- AdvanceTrac® with RSC® (Roll Stability Control™)
- Audio – electronic AM/FM stereo/digital clock/single CD/6 speakers
- Bumpers – chrome, front & rear contour

- Cruise control
- Dash sound absorber
- Glass – solar w/fixed side rear cargo door
- Grille – chrome
- Headlamps – dual-beam fixed lens
- Instrument panel – color-keyed w/ tachometer
- Insulation Package
- Lighting – courtesy light
- Mirror – interior day/night rearview mirror, INCLUDED on all Recreational Vans
- Mirrors – aerotype, LH/RH (RH convex) power adjust flat glass mirror
- Modified Vehicle Wiring Kit & System
- Power door locks/windows
- Remote keyless entry – w/panic alarm & illuminated entry
- Safety belts – color-keyed w/height-adjustable D-ring
- Seats – manual pedestal without seats
- Sun visors – untrimmed, illuminated LH/RH mirror visor kit (incl. in dunnage box)
- Trim
 - Color-keyed cowl trim panels
 - Color-keyed plastic door trim panels with map compartment
 - No headliner
 - No floor covering

Cutaway



Quality/Reliability/Durability

- Fuel tank
 - 35-gallon midship (E-250/E-350 SRW)
 - 40-gallon aft-of-axle (E-350)
 - 55-gallon aft-of-axle (E-450)

Flexibility

- Airbag – driver & passenger side
- Air conditioning – front only
- Audio – electronic AM/FM stereo/digital clock/2 speakers
- Auxiliary fuel port (NA on E-250)
- Brakes – 4-wheel disc brakes

- Bumper – black painted, front
- Console
 - Engine Cover Console – color-keyed with dual-bin stowage and 3 cupholders
- Courtesy light switch – front door
- Dash sound absorber
- Floor covering – front, black vinyl
- Ford oval on grille
- Front dome light
- Glass – solar
- Glove box with auxiliary power point
- Headlamps – halogen sealed beam
- Horn – dual note
- Instrument panel – Medium Flint
- Key in ignition warning chime
- Light & Convenience Group
- Mirror – interior day/night rearview mirror – NOT INCLUDED
- Mirrors – NOT INCLUDED
- Modified Vehicle Wiring Kit & System
- Power point – single 12V power point in I/P
- Safety belts – Medium Flint w/height-adjustable D-ring
- Seats – dual bucket seats w/vinyl trim & I/B armrests
- Spare tire and wheel – NOT INCLUDED
- Stabilizer bar – front stabilizer bar w/heavy-duty front & rear shocks
- Steel valve stems (Std. on DRW)
- Steering gear – heavy-duty
- Steering wheel – tilt
- Sun visors – color-keyed vinyl
- Tachometer
- Tire Pressure Monitoring System (TPMS) (SRW only)
- Trim
 - A-pillar grab handle
 - LH/RH black cowl trim panels
 - LH/RH color-keyed cowl grab handles
 - Medium Flint w/single stowage area door trim panels
 - Molded vinyl-faced front headliner
- Wheel trim – NOT INCLUDED
- White steel wheels – 4 hand holed DRW
- Windshield wipers – interval

Capability

- Alternator – 120-amp gas/110-amp diesel
- Auxiliary transmission oil cooler
- Battery – heavy-duty
- Handling Package

Stripped Chassis



Quality/Reliability/Durability

- Dunnage Package:
 - Warranty Facts Book
 - Incomplete Vehicle Manual
 - Vehicle Identification Kit
 - Fuel filler vent hose
 - Headlamp assembly
 - Headlamp switch
 - Instrument cluster
 - Wiring assemblies
 - Wrench – wheel nut

Flexibility

- Auxiliary fuel port
- Daytime running lamps
- Front bumper delete
- Horn – dual note
- Mirror – interior day/night rearview mirror – NOT INCLUDED
- Mirrors – NOT INCLUDED
- Modified Vehicle Wiring Kit
- Radio – NOT INCLUDED
- Steering wheel – tilt

- Wheel trim – NOT INCLUDED
- Windshield wipers – interval

Capability

- Handling Package

NOTE: The above information is an excerpt from page 2 of the 7/1/08 E-Series Van Dealer Ordering Guide and page 2 of the 7/1/08 E-Series Cutaway/Stripped Chassis Dealer Ordering Guide. For the latest Dealer Ordering Guide go to fmcdealer.com

MODEL LINEUP

This page is about:

Optional Equipment

2009 E-Series Van/Cutaway

Model Lineup

Optional Equipment

	Commercial Van	Recreational Van	Cutaway	Stripped Chassis
Performance/Handling				
5.4L V8/4-speed Automatic Transmission (Std. on E-350, NA E-250 Cutaway)	O	O	S	S
5.4L V8/5-speed Automatic Transmission	—	—	S	S
6.8L V10/Elect. 5-speed Automatic Transmission (incl. tow/haul) (Opt. on E-350 Van and Cutaway)	O ⁽¹⁾	O ⁽¹⁾	O	O
6.0L Power Stroke® V8 Turbo Diesel/5-speed Automatic Transmission	—	—	O ^(1,2)	—
AdvanceTrac® with RSC® (Roll Stability Control™) (gasoline engine only)	O	S	—	—
Power Takeoff (PTO) Provision (available with 6.0 diesel only)	O ⁽¹⁾	—	O ^(1,2)	—
Quality/Reliability/Durability				
40.0-gallon fuel tank	—	—	S, ⁽¹⁾ O ⁽²⁾	S, ⁽¹⁾ O ⁽²⁾
55.0-gallon fuel tank — available with 158" WB only on E-350 (Std. on E-450) (NA on E-250 Cutaway)	—	—	O, ⁽¹⁾ S ⁽²⁾	O, ⁽¹⁾ S ⁽²⁾
Battery — Heavy-Duty/Auxiliary (78-amp. hr. battery)	O	O	O	—
Pucks — Frame (isolators) (NA on E-250 Cutaway)	—	—	O ^(1,2)	—
Spacers:				
Alternate Lateral Frame (6 lateral all WB. Incl. Frame Pucks) (NA on E-250 Cutaway)	—	—	O ^(1,2)	—
Standard Pattern Frame (4 long/2 lateral w/138" & 158" WB. 4 lateral/2 long w/176" WB. Incl. 559 Frame Pucks) (NA on E-250 Cutaway)	—	—	O ^(1,2)	—
Flexibility				
50-State Emissions System	S	S	S	S
Clean Fuel Fleet Certification (NA on 6.0L diesel)	O	O	O	O
A/C Prep Package	—	—	—	O
Air Conditioning — High-Capacity Front/Rear (incl. aux. heater. NA w/Ambulance Prep. Pkg. Stand-alone unit mounted over left rear wheelhouse cover. Does not incl. headliner, overhead vents or ducts)	O	—	—	—
Air Conditioning Delete (front) — Front Heat Only	O	—	O	S
Airbag Delete — Passenger Side (avail. on Over 8500 GVWR)	—	—	P	—
Alternator:				
Dual System — 140-amp. and 120-amp. (req. 6.0L engine)	O	—	O	—
Extra Heavy Duty 155-amp. (NA on E-250 Cutaway)	O	O	O	O
Extra Heavy Duty 140-amp. (avail. on 6.0L only) (NA with Ambulance Prep Package)	O	—	O	—
Extra Heavy Duty Alternator — 195-amp (6.8L engine only)	O	O	—	—
Ambulance Prep Package (req. diesel engine) (NA on E-250 Cutaway)	O ⁽¹⁾	—	O	—
Ambulance Prep Package, not required	O	O	O	—
Audio:				
Radio Prep Package (incl. antenna, 4 speakers Cutaway, 6 speakers Recreational Van) (grilles & wiring normally provided)	—	O	O	—
Electronic AM/FM Stereo/Clock/CD (incl. single-disc CD player w/4 speakers on Commercial Vans or 6 speakers on Recreational Vans)	O	S	O	—
Electronic AM/FM stereo/clock/CD player with 2 speakers (avail. only with E-Guard Cargo Protection System™)	O	—	—	—
Premium Plus CDx6 AM/FM Stereo Clock (incl. in-dash 6-disc CD player & 6 speakers)	—	O	O	—
Radio Delete	O	O	O	S
Radio Prep Package (inc. antenna, 2 speakers, grilles & wiring normally provided)	—	—	O	—
Radio Prep Package (inc. antenna, 4 speakers, grilles & wiring normally provided)	—	—	O	—
Radio Prep Package (inc. antenna, 6 speakers, grilles & wiring normally provided)	—	O	—	—
Speaker upgrade package — 4 speakers	—	—	O	—
Speaker upgrade package — 6 speakers	—	—	O	—

S = Standard O = Optional P = Package — = Not available (1) E-350 (2) E-450 (3) E-150 (4) E-250

NOTE: The above information is an excerpt from pages 5–8 of the 7/1/08 E-Series Van Dealer Ordering Guide and pages 5–8 of the 5/23/08 E-Series Cutaway/Stripped Chassis Dealer Ordering Guide. For the latest Dealer Ordering Guide go to fmcdealer.com

2009 E-Series Van/Cutaway Model Lineup

MODEL LINEUP

This page is about:

Optional Equipment cont'd

Optional Equipment cont'd

	Commercial Van	Recreational Van	Cutaway	Stripped Chassis
Flexibility (cont'd)				
Auxiliary Fuel Port (NA w/4.6L engine) (NA on E-250 Cutaway)	O	O	S	S
Auxiliary Heater Connector Package (w/rear fan controls) (avail. w/Prep Packages)	—	—	O	—
Auxiliary Heater – A/C Connector Package (w/rear A/C controls) (NA on E-250 Cutaway)	O ⁽¹⁾	O	O	—
Auxiliary Heater – A/C Connector Package. (w/o rear A/C controls) (NA on E-250 Cutaway)	O ⁽¹⁾	O	O	—
Bumper:				
Front/Rear Contour – Chrome (incl. & only avail. w/Exterior Upgrade Pkg.)	P	S	P	—
Front, Chrome Lower Fascia (incl. w/Exterior Upgrade Pkg.)	—	—	P	—
Rear Step – Chrome (avail. w/Exterior Upgrade Pkg. only. Incl. Trailer Tow Pkg.)	O	O	—	—
Rear Step – Black (NA w/Exterior Upgrade Pkg. Incl. Trailer Tow Pkg. w/4-pin trailer tow wire)	O	—	—	—
Painted Black Front (NA w/Exterior Upgrade Pkg.)	S	—	S	—
Painted White	O	—	O	—
Cruise Control	O	S	O	—
Crew Van Package (NA w/Racks & Bins, EconoCargo or Quiet Flex. Req. Vinyl Floor Covering, Front & Rear)	O	—	—	—
Daytime Running Lamps (Fleet only opt. w/valid FIN code)	O	O	O	S
Dome/Cargo Light Kit – 3 additional cargo lights	O	—	—	—
Door:				
Right Hand Delete (deletes RH door, A-pillar grab handle, RH seat & safety belt, passenger side airbag, under seat storage & ext. mirrors, NA w/Interior Upgrade Pkg.) (NA on E-250 Cutaway)	—	—	O ^(1,2)	—
EconoCargo System (req. Vinyl Front & Rear Floor Covering. Incl. steel bulkhead w/lockable walk-thru door.)	O	—	—	—
EconoCargo Upgrade – General Delivery Package (incl. wire mesh rack & single ladder which incl. crossbow & ladder rack.)	O	—	—	—
Engine Block Heater (recommended when minimum temperature is –10° F or below. 750-Watt gasoline/1000-Watt diesel incl. with 6.0L diesel)	O	O	O	O
Engine Console Cover Delete (req. Fleet w/valid FIN code. Deletes Std. console, engine cover is retained)	O	—	O	—
Exterior Upgrade Package	O	—	O	—
Floor Covering – Vinyl Front (may substitute for carpet when Interior Upgrade Pkg. is selected)	S	—	—	—
Floor Covering – Vinyl Rear (may substitute for carpet when Interior Upgrade Package is selected)	O	—	—	—
Ford Work Solutions™				
In-dash Computer	O	O	O	—
Crew Chief™	O	O	O	—
Tool Link™	O	O	O	—
Glass:				
Fixed Rear Cargo Door Glass	O	—	—	—
Fixed Side/Rear Cargo Door Glass	O	S	—	—
Glass Windows, All-Around – Window Van (incl. Swing-Out Side/Fixed Rear Door Glass)	O	O	—	—
Privacy Glass – (incl. tinted windshield & front door glass. Reqs. Swing-Out Side, Fixed Rear Door Glass or Windows All-Around)	O	O	—	—
Swing-Out Side/Fixed Rear Cargo Door Glass (incl. Fixed Rear Door Glass. 40% Side Cargo Door Fixed Glass/ 60% Flip-Out Glass on Sliding Cargo Door)	O	O	—	—
Swing-Out Side/Fixed Rear Cargo Door Glass (incl. Fixed Rear Door Glass and Flip-out Side Window with Sliding Cargo Door and Rearview Mirror)	O	P	—	—
Instrument Panel Electronic Message Center – std. with Reverse Sensing System or 6.0L Diesel Engine, required with Integrated Trailer Brake Controller	O	O	O	—
Insulation Package (incl. w/Interior Upgrade Pkg. & Premium Van Group.)	O/P	S	O	—
Integrated Trailer Brake Controller (NA with 6.0L diesel engine; requires AdvanceTrac® with RSC® with 4.6L or 5.4L on Commercial Vans, Trailer Tow Package and Message Center)	O	O	O	—
Interior Upgrade Package	O	—	O	—
License Plate Bracket (req. & generated in states issuing two license plates)	O	O	O	—

S = Standard O = Optional P = Package — = Not available (1) E-350 (2) E-450 (3) E-150 (4) E-250

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MODEL LINEUP
This page is about:

— Optional Equipment cont'd

2009 E-Series Van/Cutaway

Model Lineup

Optional Equipment cont'd

	Commercial Van	Recreational Van	Cutaway	Stripped Chassis
Flexibility (cont'd)				
Mirrors:				
Aerotype Exterior – LH/RH Power (incl. & only avail. w/Power Group. Incl. LH/RH [RH convex] power flat glass mirror w/manual convex spotter)	P	S	—	—
Aerotype Exterior – LH/RH Manual flat glass with manual convex spotter	O	—	O	—
Day/Night Interior Rearview	S	S	O	—
Telescoping Trailer Tow Mirrors, Manual (NA on Shuttle Bus Pkg. & RH Door Delete)	S	—	O/P	—
Telescoping Trailer Tow (Power) (req. Power Group. Incl. LH/RH power adjust flat glass lens & manual adjust convex spotter lens)	O	—	O	—
Mirror Delete – Exterior (Fleet only w/valid FIN code)	O	—	S	S
Modified Vehicle Wiring Kit	O	S	S	S
Navigation System with SIRIUS® Travel Link™ — inc. AM/FM stereo/single-disc CD/DVD/Satellite Radio capability (inc. 6 months SIRIUS Satellite Radio service)	O	O	O	—
Passenger Airbag Cutoff Switch (NA with Crew Van Package)	O	—	O	—
Power Group (inc. Remote Keyless Entry)	O	—	—	—
Power Windows and Locks Group	—	—	O	—
Premium Van Group (NA w/Crew & Crew Van or Interior Upgrade Pkg.)	O	—	—	—
E-Guard Cargo Protection System™	O	—	—	—
QuietFlex™ III Racks & Bins Package (avail. w/Upgrade Pkgs. Req. Vinyl Front & Rear Floor Covering.)	O	—	—	—
Racks & Bins Package (req. Vinyl Front & Rear Floor Covering)	O	—	—	—
Racks & Bins Contractors Package #1	O	—	—	—
Racks & Bins Electrical/Appliance Repair Upgrade Package #2	O	—	—	—
Racks & Bins Plumbing/HVAC Service Package #3	O	—	—	—
Rear View Camera — camera in rear license plate bracket, video display in electrochromic rearview mirror on units without Navigation System	O	O	O	—
Remote Keyless Entry (req. power windows & locks)	P	S	O	—
Reverse Sensing System – (req. Rear Step or Contour Bumpers)	O	O	—	—
Running Boards – LH/RH Door Length	—	—	O	—
Running Boards – Door Length on Driver Side, Full Length on Passenger Side	O	—	—	—
RV Plus Package (NA on Extended Length Van)	—	O ^(3,4)	—	—
Seats:				
Bucket Seats – Dual, High-back, Vinyl	S	—	S	—
Bucket Seats – Dual, High-back, Cloth	O	—	O	—
Captain's Chairs – Dual, w/o Trim (avail. w/Power Driver Seat)	—	O	—	—
Driver Seat – Power (incl. LH manual lumbar)	O	O	O	—
Seats, NOT INCLUDED – Power Pedestal (driver seat pedestal is prepared for power seat. Incl. throwaway driver seat. Pool accounts only for E-150 & E-250)	—	O	—	—
Dual Captain's Chairs (incl. w/Interior Upgrade Pkg. Avail. w/Power Driver Seat)	O/P	—	—	—
Dual Captain's Chairs with 3-passenger rear seat (avail. with Crew Van Package only)	O	—	—	—
Dual High-back Cloth Captain's Chairs without trim (NA on E-250 Cutaway)	—	—	O	—
Dual High-back Cloth Captain's Chairs (incl. with Interior Upgrade Package)	—	—	O	—
Captain's Chairs – Driver Side w/o Trim – Available with Power Seat Option (NA on E-250 Cutaway)	—	—	O	—
Captain's Chairs – Driver Side Only, Mid-Series Cloth – Available with Power Seat Option	—	—	O	—
Manual Pedestal (provides manual pedestal, pretensioning restraint system & unique front seat tracks for driver side only. Temporary seat provided. NA with Interior Upgrade Package (NA on E-250 Cutaway)	—	—	O	—
Power Seat Prep Package – driver seat pedestal is prepared for power seat. NA with Interior Upgrade Package (NA on E-250 Cutaway)	—	—	O	—
Passenger Seat Delete (deletes passenger seat, airbag and harness restraint system) (Incl. with Prep Package. NA with Interior Upgrade Package) (NA on E-250 Cutaway)	—	—	O	—
Seat Prep Pkg – Manual (provides manual pedestal, pretensioning restraint system & unique seat tracks for driver side only. Temporary driver seat provided) NA with Interior Upgrade Package (NA on E-250 Cutaway)	—	—	O	—

S = Standard O = Optional P = Package — = Not available (1) E-350 (2) E-450 (3) E-150 (4) E-250

NOTE: The above information is an excerpt from pages 5–8 of the 7/1/08 E-Series Van Dealer Ordering Guide and pages 5–8 of the 7/1/08 E-Series Cutaway/Stripped Chassis Dealer Ordering Guide. For the latest Dealer Ordering Guide go to fmcdealer.com

2009 E-Series Van/Cutaway Model Lineup

MODEL LINEUP

This page is about:

Optional Equipment cont'd

Optional Equipment cont'd

	Commercial Van	Recreational Van	Cutaway	Stripped Chassis
Flexibility (cont'd)				
Seats cont'd				
Seat Prep Pkg – Power (provides manual pedestal, pretensioning restraint system and unique seat tracks for driver side only. Temporary driver seat provided) NA with Interior Upgrade Package (NA on E-250 Cutaway)	–	–	O	–
Seat Delete – Bucket (deletes passenger seat, airbag & restraint system. Avail. w/CE Cloth or AE Vinyl Trim. NA w/Crew Van Interior Upgrade Pkg., Interior Upgrade Pkg. or Premium Van Group. Avail. Over 8500# GVW only) (Fleet only)	O ^(1,4)	–	–	–
Seat Delete – Captain's Chair (deletes passenger seat, airbag & restraint system. Req. EE Med. Flint Trim. NA w/Crew Van Interior Upgrade Pkg., Interior Upgrade Pkg. or Premium Van Group. Avail. over 8500# GVW only. Avail. w/Power Driver Seat) (Fleet only)	O ^(1,4)	–	–	–
SecurILock® Passive Anti-theft Ignition System (SRW Cutaways only)	O	O	O	–
Sliding Side Cargo Door – 60/40 Hinged Side Cargo Door is Std. (NA w/Fixed Side/Fixed Rear Cargo Door Glass) Side Glass is Flip-Out	O	P	–	–
Tires:				
LT225/75R16E BSW A/S DRW	–	–	O, ⁽¹⁾ S ⁽²⁾	O, ⁽¹⁾ S ⁽²⁾
LT245/75R16E BSW A/S	S ^(3,4) /O ⁽⁴⁾	S	S ⁽¹⁾	S ⁽²⁾
User Defined Switches – four upfitter switches on the instrument panel	O	O	O	–
Wheels:				
Spare Tire & Wheel – NOT INCLUDED	O ^(1,4)	–	S	S
Spare Tire and Wheel (E-350 SRW incl. 2-ton mechanical jack; E-350 DRW incl. 4-ton mechanical jack; no jack with E-450)	–	–	O	O
16-inch Sport Wheel Covers (SRW only) NA with aluminum wheels	S	S	O	O
16"x 6" Painted White Steel Wheels – DRW only (NA on E-250 Cutaway) 4 hand holed	–	–	S	S
16"x 7" Painted White Steel Wheels – SRW only	O	–	O	O
16" x 7" Forged Aluminum (may be ordered w/Exterior Upgrade Pkg.) (SRW only)	O	O	O	–
Wire Kit Delete – Fleet only w/valid FIN code (NA on E-250 Cutaway)	–	–	O	–
Capability				
Aerial Bucket Truck Suspension Package	O ⁽¹⁾	–	–	–
GAWR, Max Front – up to 4600# front GAWR (incl. w/Ambulance Pkg.) (Fleet only w/valid FIN code – Cutaway) (NA on E-250 Cutaway)	O ⁽¹⁾	O ⁽¹⁾	–	–
GAWR, max front up to 5000 lb. (inc. with Ambulance Pkg.)	–	–	O ^(1,2) /P	O ^(1,2)
Motorhome Prep Package (NA on E-250 Cutaway)	–	–	O	–
School Bus Prep Package (NA on E-250 Cutaway)	–	–	O	–
Shuttle Bus Prep Package (NA on E-250 Cutaway)	–	–	O	–
Traction Control (NA with 6.0L diesel or AdvanceTrac® with RSC®)	O	O	O	O
Trailer Towing Package (Class I) (incl. w/Step Bumper. NA w/Ambulance Pkg. on Vans) (NA on E-250 Cutaway)	P	P	O	–
Trailer Towing Package (Class I/II/III)	O	O	–	–

S = Standard O = Optional P = Package – = Not available (1) E-350 (2) E-450 (3) E-150 (4) E-250

NOTE: The above information is an excerpt from pages 5–8 of the 7/1/08 E-Series Van Dealer Ordering Guide and pages 5–8 of the 7/1/08 E-Series Cutaway/Stripped Chassis Dealer Ordering Guide. For the latest Dealer Ordering Guide go to fmcdealer.com

August 2008

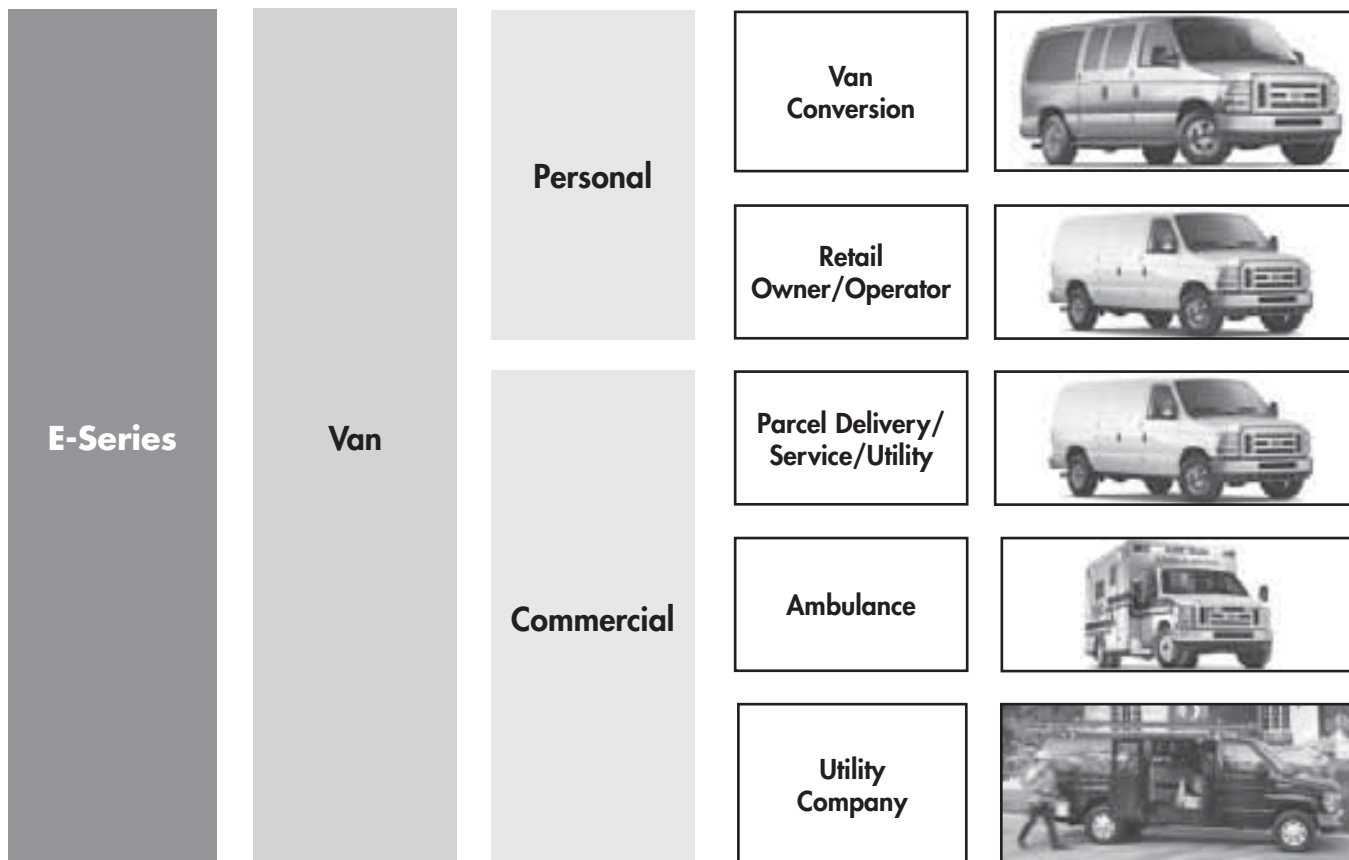
VOCATIONAL SEGMENTATION

This page is about:

- Van Conversion
- Retail Owner/Operator
- Parcel Delivery/Service/Utility
- Ambulance
- Utility Company

2009 E-Series Van/Cutaway

Vocational Segmentation



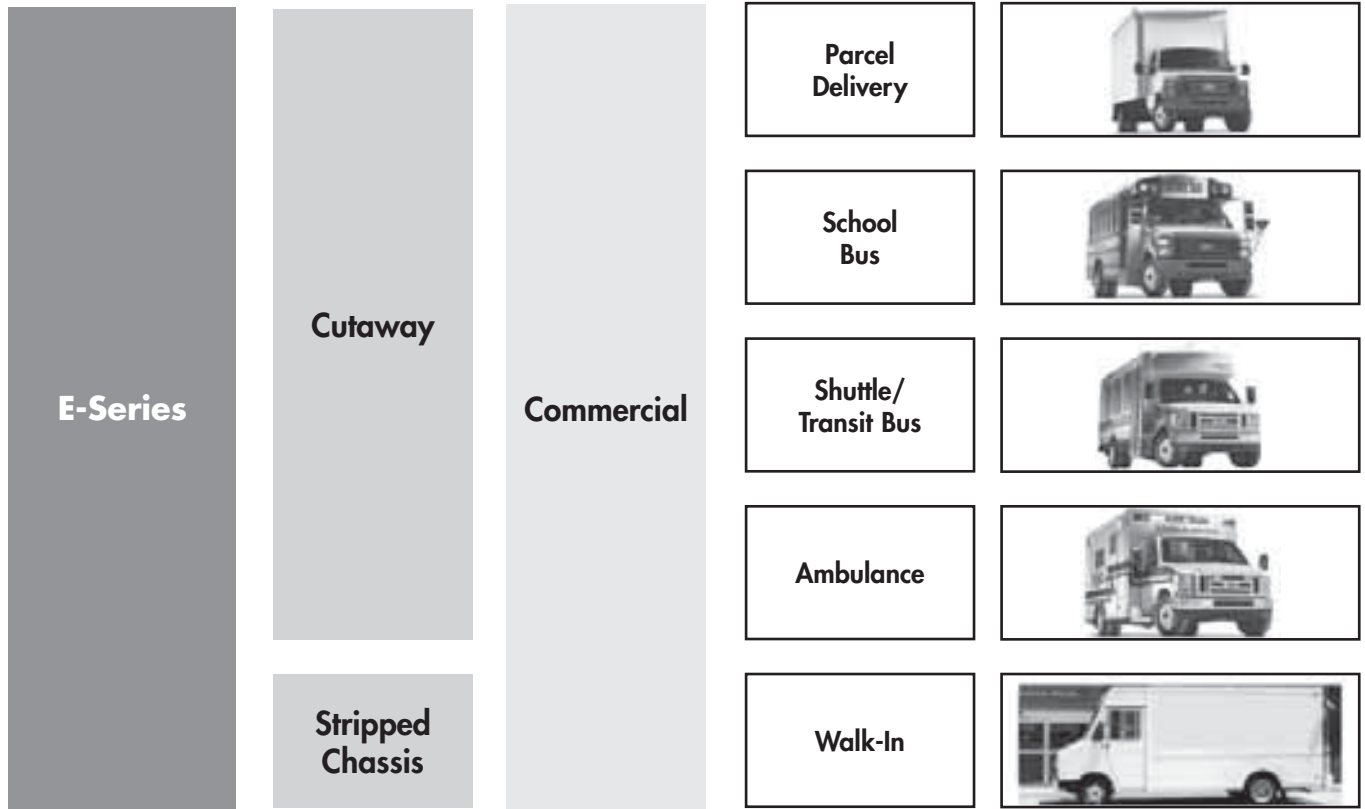
2009 E-Series Van/Cutaway

Vocational Segmentation

VOCATIONAL SEGMENTATION

This page is about:

- Parcel Delivery
- School Bus
- Shuttle/Transit Bus
- Ambulance
- Walk-In



NOTE: Segmentation illustrates vocational use.

August 2008

PERFORMANCE/HANDLING

This page is about:

- Triton® Engines
- Flex Fuel (E85) Compatibility
- 6.0L Power Stroke® V8 Turbo Diesel
- Electronic Throttle Control (ETC)
- 50 State Emissions Standards

2009 E-Series Van/Cutaway

Performance/Handling

Overview

Key Messages

E-Series Van/Cutaway



- E-Series appeals to a wide assortment of customers
- With 2 available V8s, an available V10 and the 6.0L Power Stroke® V8 turbo diesel, coupled with a 4- or 5-speed automatic overdrive transmission, E-Series has the power to perform many different tasks
- Equipped with a standard four-wheel disc Anti-lock Braking System (ABS) and auxiliary engine oil cooler, E-Series can haul the load, whether it's people or payload
- New E85 Flex Fuel compatibility on all 4.6L and 5.4L Triton® V8 engines
- New one-touch start functionality on all Van/Cutaway models with gasoline engines

Key Features

Powertrain

Triton family of engines includes the choice of a standard 4.6L V8 or an optional 5.4L V8, and 6.8L V10 engine. The V8 engines are mated to the wide-ratio 4-speed automatic transmission. For those really heavy-duty needs, the 6.8L V10 engine is mated to a 5-speed TorqShift® automatic overdrive transmission with Tow/Haul mode.



Flex Fuel (E85) compatibility

means that both the 4.6L and 5.4L Triton V8 engines are capable of operating on E85 (85 percent ethanol/15 percent gasoline), 100 percent gasoline or any combination of both with no reduction in power output. E85 fuel burns as clean as gasoline and is derived from corn which is a renewable resources.



6.0L Power Stroke® V8 turbo diesel provides 440 lb.-ft. of torque — the most of any E-Series engine — for serious towing capability.



Electronic Throttle Control (ETC)

uses electronic sensors to provide smoother engine response.

50-state emissions standards are met by all E-Series Van/Cutaway/Stripped Chassis engines.

Auxiliary Power Features

Transmission Power Takeoff (PTO) Provision enables upfitters to supply power to hydraulically driven accessories, such as sprayers, pumps, generators, etc.

Stationary Elevated Idle Control (SEIC) acts as the "throttle kicker" when increased engine speed is needed.

Driving Dynamics

AdvanceTrac® with RSC® (Roll Stability Control™) helps the driver maintain vehicle stability in adverse driving situations or when making evasive maneuvers on slippery pavement.

Handling Package provides a higher level of ride smoothness with less body lean when cornering.

Independent front suspension allows each wheel to react to road irregularities with minimal effect on the opposite wheel for a smooth, controlled ride.

Tire Pressure Monitoring System (TPMS) alerts the driver to significantly low tire inflation pressure using a warning light on all SRW applications.

NOTE: See the latest Dealer Ordering Guide for feature availability.

2009 E-Series Van/Cutaway

Performance/Handling

PERFORMANCE/HANDLING

This page is about:

- Powertrain Combinations
- Triton® Modular Engine Family
- Flexible Fuel (E85) Capability
- Electronic Throttle Control
- Engine Oil Cooler

Powertrain Combinations

Powertrain (Engine/Transmission)	Horsepower (SAE net @ rpm)	Torque (lb.-ft. @ rpm)	Standard Availability	Optional Availability
4.6L Triton® V8/(FFV) 4-Speed Automatic	225 @ 4800	286 @ 3500	E-150 Van/E-250 Van and Cutaway	—
5.4L Triton V8/(FFV) 4-Speed Automatic	255 @ 4500	350 @ 2500	E-350 Super Duty® Van, E-350 SRW Super Duty Chassis Cab	E-150/E-250 Vans
5.4L Triton V8/(FFV)/TorqShift® 5-Speed Automatic	255 @ 4500	350 @ 2500	E-350/E-450 Super Duty Cutaway/Stripped Chassis	—
6.8L Triton V10/TorqShift 5-Speed Automatic	305 @ 4250	420 @ 3250	—	E-350 Van Super Duty/ E-350/E-450 Super Duty and Cutaway/Stripped Chassis
6.0L Power Stroke® V8 Turbo Diesel/TorqShift 5-Speed Automatic	235 @ 3150	440 @ 1600	—	E-350 Super Duty Van, E-350/E-450 Super Duty Cutaway

Gasoline Engine Features

Triton® Modular Engine Family

- Includes 4.6L V8, 5.4L V8 and 6.8L V10 engines
- One camshaft in each cylinder head eliminates the need for pushrods
- Single Overhead Cam (SOHC) design provides an advanced level of valve control
- Deep-skirt engine block design and low-friction components enhance reliability and fuel economy
- Silent-design chain cam drive contributes to reduced noise

Flex Fuel (E85) Capability

- 4.6L and 5.4L Triton V8 engines are Flex Fuel (E85) capable
- E85 is 85 percent ethanol and 15 percent gasoline
- Triton Flex Fuel engines can run on E85, 100 percent gasoline or any combination of the two fuels
- A sensor detects when the vehicle is refueled, and the vehicle automatically determines what mix of fuel is being used and adjusts the air/fuel mix accordingly
- Using E85 does not reduce the power output of the engine
- Using E85 reduces our dependency on imported oil
- Ethanol is derived from renewable resources
- FFV engines have special upgrades to avoid corrosion and wear:
 - Fuel tank has a special coating
 - Fuel lines are nylon 6 or stainless steel
 - Fuel injectors are alcohol tolerant
 - Valves and seats are hardened
 - Head gaskets are more robust



Electronic Throttle Control (ETC)

- Standard on all E-Series models
- Uses electronic sensors instead of a mechanical linkage
- Uses driver input to actively modulate torque at the drive wheels, as opposed to sensing torque at the flywheel, as some competitive systems do
- Delivers seamless and consistent engine response and transmission shifts
- When going up a hill or on rocky terrain, ETC allows consistent pedal input for smoother engine response

Engine Oil Cooler

- All E-Series models are equipped with an auxiliary engine oil cooler
- Mounted at the front of the vehicle behind the grille
- Helps the engine oil maintain proper operating temperature, preventing oxidation and increasing the oil's lubricating and protecting properties
- Contributes to longer engine life

PERFORMANCE/HANDLING

This page is about:

- 6.0L Power Stroke® V8 Turbo Diesel
- Excellent NVH
- Low Diesel Emissions
- Ultra Low Sulfur Diesel (ULSD) Fuel Specifics
- 4-speed Wide-ratio Automatic Transmission
- TorqShift® 5-speed Automatic Transmission

2009 E-Series Van/Cutaway Performance/Handling

Diesel Engine Features

6.0L Power Stroke® V8 Turbo Diesel

- 235 horsepower @ 3150 rpm and 440 lb.-ft. of torque @ 1600 rpm
- Cast iron engine block and cylinder heads with a stiffened bedplate structure for more durability and lower noise, vibration and harshness (NVH)
- Hydraulic rail fuel injection and electrohydraulic Generation 2 injectors reduce engine noise
- Electronic Variable Response Turbocharger (EVRT™) increases airflow
- Charge air cooling increases air density
- PowerCore™ air cleaner with large filter area



Excellent NVH

A number of features help reduce NVH:

- A rigid bedplate on the bottom of the engine stiffens the engine block to help reduce vibration
- Engine block ribbing structure is designed to reduce vibration and powertrain bending
- Damped steel oil pan helps reduce noise transmission
- The rear gear train provides the durability of gear-drive technology to help reduce NVH

ENGINEERING INSIGHT: Turbocharger

Similar to a variable-nozzle turbocharger, the Electronic Variable Response Turbocharger (EVRT) on the 6.0L Power Stroke allows the position of the turbine blades to change based on demand. This helps increase airflow within the turbocharger. The significantly increased airflow delivers turbo boost for outstanding performance in many high-demand driving situations:

- Steep grade climbing
- High-altitude driving
- Towing
- Off-the-line acceleration when loaded

Diesel Emissions

Exhaust Gas Recirculation (Cooled EGR) technology means that a portion of the exhaust gas is rerouted through a cooler, and then the cooled exhaust gas is reintroduced into the fresh air charge. Here are the benefits:

- System helps reduce the flame temperature during combustion, thus helping to reduce NOx emissions
- Older methods to control NOx emissions often relied on delayed injection timing, which sometimes sacrificed fuel economy
- This EGR technology helps optimize emissions control and fuel economy

Ultra Low Sulfur Diesel (ULSD) Fuel Specifics

- ULSD fuel MUST be used in all 2009 model year 6.0L diesels to allow the emissions control system to operate properly
- ULSD fuel may be used in pre-2007 diesel engines
- Sulfur level in ULSD has been reduced by 97 percent compared to conventional diesel (from maximum of 500 parts per million [ppm] to 15 ppm)
- ULSD is available in a winter blend

Transmissions

4-speed Wide-ratio Automatic Transmission (4R75E)

- Fully electronic shift control provides a wide range of smooth shifts for optimum performance
- Drive gear and friction materials are designed and engineered to handle the output of the 5.4L engine
- Torque converter provides impressive launch performance and increased efficiency
- Overdrive lowers engine rpm at highway speeds, contributing to improved fuel economy
- “Smart” fully electronic shift scheduling calculates torque in the next gear and regulates shift points based on the vehicle’s projected performance in the next gear
- Adaptive pressure control maintains consistent shift response and feel over time

TorqShift® 5-speed Automatic Transmission (5R110W)

- All electrohydraulic shifts are optimized with pure electronic shift controls for more responsiveness
- Torque converter designed to maximize low-speed torque capability
- Large pump provides significant lubrication and cooling capacity
- Drive gear and friction material provide long-term durability
- Internally mounted transmission oil filter; maintenance interval increased to 36 months or 60,000 miles under normal operating conditions
- Selectable Tow/Haul mode helps eliminate unwanted gear search on steep uphill grades and allows engine braking to maintain vehicle speed and control on downhill grades (Tow/Haul feature not included on 6.0L applications but included on 5.4L- and 6.8L-equipped models)

NOTE: See the latest Dealer Ordering Guide for feature availability.

2009 E-Series Van/Cutaway

Performance/Handling

PERFORMANCE/HANDLING

This page is about:

- Transmission Power Takeoff (PTO) Provision
- Stationary Elevated Idle Control (SEIC)
- Tire Pressure Monitoring System (TPMS)

Auxiliary Power Features

Transmission Power Takeoff (PTO) Provision

- Added benefit for customers with specific power needs
- Enables upfitters to supply power to hydraulically driven accessories such as sprayers, pumps, generators, etc.
- Option code 85P must be ordered to get PTO gear and port with the TorqShift® 5-speed automatic transmission

PTO Provision Availability 6.0L Engine

Transmission	Left Side	Right Side
5-speed Automatic (TorqShift)	O (with 85P)	NA

Stationary Elevated Idle Control (SEIC)

- Acts as "throttle kicker," when increased engine speed is needed
- Consists of strategy embedded in the powertrain control module (PCM) and a set of blunt-cut wires to command it
- Customer interface (PTO controller or switch) must be obtained by the selling dealer from the aftermarket
- Engine speed of 1200 to 2400 rpm
- Automatically locks the torque converter
 - Gives power to the PTO gear for the TorqShift automatic transmission when the operator turns on the PTO switch
- Instructions to upfitters for completing the SEIC/PTO circuitry can be found in the 2009 Model Year Light Truck Body Builders Layout Book at fleet.ford.com/truckbbas

Driving Dynamics



Tire Pressure Monitoring System (TPMS)

- Uses a tire pressure sensor mounted to each road wheel
- Sensors use radio frequency transmitters to send tire pressure information to the vehicle's onboard computer
- The computer illuminates a warning light when tire pressure is significantly low
- System is completely hidden from sight
- Can be used on steel or aluminum wheels
- Replacing the tire is easily done without removing the sensor
- Provides accurate tire pressure readings

- Senses temperature-based pressure loss where all four road wheels are affected
- Resetting the system is easy. Once tire pressure has been restored to its recommended level, TPMS-equipped vehicles simply need to be driven over 20 mph for at least 2 minutes to be reset

NOTE: Certain E-Series models may be equipped with tires requiring different front and rear inflation pressures and will require that the TPMS sensors be retrained when the tires are rotated. Please refer to the Source Book Safety Appendices or the vehicle Owner's Guide for additional information and the proper retraining procedure.

ENGINEERING INSIGHT: TPMS Warning Light

Low Tire Warning Light	Customer Action Required
Solid Warning Light 	Check tire pressure to ensure proper inflation. Ford recommends a digital or dial-type tire pressure gauge for increased accuracy. <ul style="list-style-type: none"> After inflating cold tires to manufacturer's recommended pressure as shown on the tire label, the vehicle must be driven for at least 2 minutes at over 20 mph to turn the light off and reset the system If the light remains on even after these steps have been taken, have the system inspected by the dealership Service Department <p>NOTE: If the outside overnight temperature is significantly lower than the daytime temperature, tire pressure will decrease 1 psi for every 10 degrees F drop in temperature. This may cause the TPMS warning to illuminate. If all tires appear to be inflated, customers should manually check the pressure and inflate all the tires to the recommended cold pressure.</p>
Flashing Warning Light 	<ul style="list-style-type: none"> Driving on the spare tire may activate the TPMS warning light, causing it to flash for 75 seconds followed by a solid light. Repair the damaged road wheel and remount it on the vehicle. Reset the TPMS by driving at over 20 mph for at least 2 minutes If the tires are inflated to the manufacturer's recommended pressure and the spare tire is not in use, have the system inspected by the Service Department See the vehicle Owner's Guide for more information

PERFORMANCE/HANDLING

This page is about:

- Turning Diameter
- Independent Front Suspension
- Traction Control
- Four-wheel Disc Brakes

2009 E-Series Van/Cutaway Performance/Handling

Driving Dynamics cont'd

Turning Diameter

The ability to maneuver through crowded streets, narrow back alleys and squeezed-in loading docks saves time and money for a commercial driver. In fact, over the course of a year, the added savings can be substantial.

E-Series Model	Wheelbase	Turning Diameter (ft.) ⁽¹⁾	
		Curb-to-Curb	Wall-to-Wall
E-150/E-250	138	48.6	50.1
E-350 SD SRW/DRW	138	48.6	50.0/50.1 ⁽²⁾
E-350 SD SRW	158	54.9	56.2 ⁽²⁾
E-350 SD DRW	158	54.8	56.2 ⁽²⁾
E-450 SD	176	60.3	61.8 ⁽²⁾

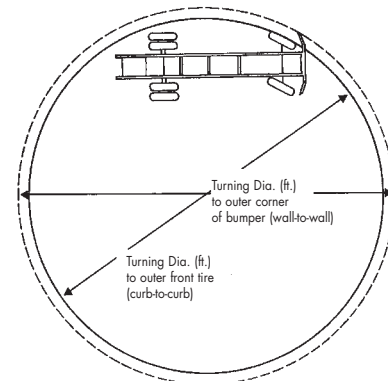
(1) Average of left and right turns with standard tires.

(2) Van and Cutaway only.

A CLOSER LOOK: Turning Diameter

Turning diameter is defined as the diameter of the outside track made by the outside front tire during the shortest turn. The diagram shows the diameter made by the outside edge of the bumper during the shortest turn.

NOTE: When comparing competitive truck specifications, note whether they spec a diameter or radius dimension.



Independent Front Suspension

- Tuned shock absorbers help improve ride quality
- Each wheel reacts to road irregularities with minimal effect on the opposite wheel for a smooth, controlled ride

Handling Package

- Provides a higher level of ride smoothness with less body lean when cornering
- Package includes:
 - Front stabilizer bar
 - Heavy-duty front and rear shock absorbers

Power Steering

- Provides solid on-center feel and return-to-center performance
- Helps reduce steering effort

Traction Control

- Helps improve traction or limits wheel spin by reducing engine power through fuel cutoff or ignition spark control
- Optional on all models with gasoline engine

Four-wheel Disc Brakes

- Feature rotors, calipers and pad material to help improve stopping distances, handle high GVWRs and lengthen brake life by reducing operating temperatures
- Anti-lock Braking System (ABS) standard

2009 E-Series Van/Cutaway

Performance/Handling

PERFORMANCE/HANDLING

This page is about:

- AdvanceTrac® with RSC® (Roll Stability Control™)
- Roll Stability Control (RSC)
- Traction Control
- Four-wheel Anti-lock Braking System (ABS)
- Brake Assist

Driving Dynamics cont'd



AdvanceTrac® with RSC® (Roll Stability Control™)

- AdvanceTrac with RSC is standard on all E-Series Recreational Vans and optional on E-150/E-250/E-350 Commercial Vans equipped with gasoline engines
- Limited-slip axle not available on models equipped with AdvanceTrac with RSC
- Helps the driver maintain vehicle stability in adverse driving situations or when making evasive maneuvers on slippery pavement
- Components work together to enhance traction and maneuverability by monitoring wheel speeds, the Anti-lock Braking System (ABS), acceleration and steering inputs by the driver, and the vehicle rotation around both the vertical yaw and horizontal roll axis
- Onboard computer monitors the sensors and makes adjustments by applying individual brakes and/or modifying engine power to reduce the potential for lost traction or an unstable vehicle situation
- Intervenes progressively so that the driver is hardly aware that AdvanceTrac has been activated
- Greatest benefit is realized when driving on low-traction surfaces or during emergency maneuvers
- Includes Brake Assist
- See the Safety section of the Source Book Appendices for more information

Roll Stability Control (RSC)

- RSC is an additional vehicle control software module
- Builds on the ABS, traction control and yaw control systems of AdvanceTrac
- By utilizing a "vehicle roll motion sensor," RSC helps keep the vehicle tires on the ground by monitoring and controlling roll rate

Traction Control

- Uses a combination of brake and/or engine control to maximize available traction on slippery or loose driving surfaces at any speed

Four-wheel Anti-lock Braking System (ABS)

- Helps drivers to maintain steering control in emergency or other hard-braking situations
- Electronically "pumps" the brakes several times per second when the computer-controlled sensors indicate wheel lockup during hard braking

A CLOSER LOOK: AdvanceTrac with RSC Components

Anti-lock Braking System (ABS)

- Allows steering control to be maintained in many hard-braking situations
- Controls wheel lockup to improve stopping in many situations

Traction Control

- Improves traction and acceleration
- Helps tires maintain grip, which aids directional control

Yaw Control

- Controls skidding and fishtailing (understeer and oversteer)
- Reduces the chance of rollover by reducing yaw motion

Vehicle Roll Motion Sensor

- Monitors vehicle body roll angle and how fast the body is rolling from one side to the other at least 100 times per second
- Works to counteract excessive roll by instantly and rapidly applying brake force at the appropriate wheels with a high burst of pressure
- This braking action helps to absorb the roll motion and plant the wheels firmly on the ground

Brake Assist

- Recognizes when the brake pedal is applied suddenly but without enough force to provide full deceleration
- With Brake Assist, the system engages the appropriate pressure to maximize vehicle deceleration and help reduce stopping distances
- Without the Brake Assist feature, the result could be a longer stopping distance than desired
- Once the driver releases the brake pedal, the vehicle returns to normal braking mode

PRESENTATION TIP: AdvanceTrac with RSC

- AdvanceTrac uses advanced technology to help keep the vehicle on its intended course with all four tires on the road — it knows when to apply brakes to each individual wheel in order to correct a potentially unstable situation
- An example to help customers understand what happens when AdvanceTrac engages is to have them visualize how a bulldozer turns — "steering with brakes"
- AdvanceTrac uses the brakes to help steer the vehicle in certain situations
- When a bulldozer needs to turn right or left, one track moves while the other does not, turning the bulldozer to the left or right, depending on which track moves
- This is an easy way for a customer to understand the technology behind AdvanceTrac

This page is about:

- Quality
- Reliability
- Durability
- Ease of Maintenance
- Warranty

2009 E-Series Van/Cutaway

Quality/Reliability/Durability

Overview

Key Messages

E-Series Van/Cutaway



- For years, buyers have relied on the quality and durability of E-Series
- With features like a full-perimeter frame, 90,000-mile spark plug replacement interval, fail-safe cooling and a double-wall cargo area, E-Series has the quality and durability needed to perform well as a people or cargo hauler

Key Features

Quality

The Ford Motor Company Business Preferred Network (BPN) is a cohesive and comprehensive approach to the small to mid-sized commercial/fleet sales, parts and service, and financial services business.

Uptime-Critical Parts Program lets dealers order selected uptime-critical parts for delivery 365 days per year.

Reliability

Fail-safe cooling system helps protect all E-Series gasoline engines from damage due to loss of coolant.

Durability

E-coated frame helps resist corrosion with durable E-coat primer on the frame.

Coil-on-plug ignition system replaces traditional spark plug and distributor wires for high-mileage durability.

Body-on-frame construction is more durable and heavy duty than the unibody construction used by some competitors.

Double-wall cargo area helps protect the outer layer of sheet metal from dents caused by shifting cargo.

Durability testing simulates 150,000 real-life miles but compresses that into 50,000 actual grueling miles. In fact, the testing route is probably harder on the drivers than it is on the vehicles. Why put E-Series through such extreme testing? The tests are based on what E-Series owners actually do to their vehicles — and it has to meet their expectations.

Dual alternator system features one 140-amp alternator and one 120-amp alternator to provide maximum charging capacity for diesel-equipped vehicles.

Extra-heavy-duty alternator includes a 140-amp extra-heavy-duty alternator available on 6.0L Power Stroke® V8 turbo diesels. A 155-amp alternator is available on 5.4L or 6.8L gasoline-engine-equipped vehicles, and a 195-amp alternator is available on the 6.8L engine. All of these alternators provide additional charging capacity for severe-duty usage.

Steel-reinforced rear license plate housing, standard on all models, is especially beneficial on models with the available E-Guard Cargo Protection System™ as the rear door lock is mounted through the housing, making the lock more resistant to wedging by pry tools.

(1) Under normal driving conditions.

Ease of Maintenance

Maintenance-free battery reduces long-term maintenance costs and is standard on all E-Series models.

Engine oil change interval of 7,500 miles or 6 months is recommended.⁽¹⁾

TorqShift® transmission filter is internally mounted and does not require service for 36 months or 60,000 miles.⁽¹⁾

Out-front engine design improves underhood serviceability with convenient-to-reach checks and refills.

90,000-mile spark plug replacement interval provides added convenience and reduced service requirements for all gasoline engines.⁽¹⁾

Yellow-coded service points enable technicians to readily identify key components during routine maintenance for service to be accomplished quickly and efficiently.

Warranty

5-year/60,000-mile Powertrain Limited Warranty and Roadside Assistance provide peace of mind.

2009 E-Series Van/Cutaway

Quality/Reliability/Durability

QUALITY/RELIABILITY/DURABILITY

This page is about:

Easy Maintenance
Ford Motor Company Business Preferred Network (BPN)
Uptime-Critical Parts Program
Warranty Details

Easy Maintenance

Yellow-coded Service Points

- Enable technicians to readily identify key components during routine maintenance
- Allow service to be accomplished quickly and efficiently

Extended Maintenance Intervals

- 7,500-mile oil change interval
- 90,000-mile spark plug replacement interval for gasoline engines
- 36-month or 60,000-mile replacement interval for the internally mounted TorqShift® transmission filter

Maintenance-free Battery

- Standard on all E-Series Commercial Vans
- Reduces long-term maintenance costs

Common Parts Throughout E-Series Lineup

- Helps minimize part inventories and stocking costs
- Helps save customers time and money

Vocational Applications

Ford's limited warranty and optional service plans will help commercial customers be sure they are making a smart decision.

- When commercial customers choose an E-Series, they also get thousands of qualified service technicians available well beyond the standard 9-to-5 business day
- **The Ford Motor Company Business Preferred Network (BPN)** is a cohesive and comprehensive approach to the small to midsized commercial/fleet sales, parts and service, and financial services business
 - BPN combines existing commercial/fleet business activities such as Quality Fleet Care, QualityCare Maintenance (QCM), Around the Wheel (AtW), Commercial Service *Plus*, etc.
 - Please contact your regional sales office for more information on the BPN Program

- **Uptime-Critical Parts Program** lets dealers order selected uptime-critical parts for delivery 365 days per year
 - The Uptime-Critical Parts Program can **ONLY** be used to support critical commercial truck needs outside of "normal" FCSD order processing business hours as follows:
 - Monday through Sunday — from the customer's closest Ford parts depot's local emergency cutoff time until midnight ET. The only exception to this is heavyweight parts (150+ lbs.) where the order cutoff time will be 11 p.m. ET and delivery is second day by 4:30 p.m. local time. This is to allow extra handling time required for such parts
 - Vehicle Down orders will **ONLY** be taken beyond normal Ford Customer Service Division (FCSD) emergency order processing hours. Customers still must submit their normal daily and emergency requirements through the normal FCSD channels
- Orders may be placed by calling the Customer Service Commercial Truck Center at 800-782-5050

Warranty Details

New Vehicle Limited Warranty

- 3-year/36,000-mile Bumper-to-Bumper; no deductible
- 5-year/60,000-mile Powertrain Limited Warranty
- 5-year/unlimited-mileage Corrosion Perforation
- 5-year/60,000-mile Safety Restraint

5-year/60,000-mile Powertrain Limited Warranty

- Powertrain Limited Warranty for Ford vehicles is 5 years or 60,000 miles, whichever comes first
- That's an additional 2 years/24,000 miles of coverage for components such as the engine, transmission and front- and rear-wheel-drive parts beyond the vehicle's 3-year/36,000-mile Bumper-to-Bumper Limited Warranty
- Refer to the vehicle Warranty Guide for a complete list of all of the parts covered

24-Hour Roadside Assistance

- Toll-free number (1-800-241-FORD) operational 24 hours a day, every day
- Customers can request services to change flat tire, jump-start battery, unlock vehicle, deliver fuel or tow vehicle
- Available for 5 years or 60,000 miles, whichever comes first

FLEXIBILITY

This page is about:

- Ford Work Solutions™
- Interior Convenience
- Key Packages
- Storage Systems
- Safety and Security

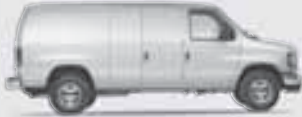
2009 E-Series Van/Cutaway

Flexibility

Overview

Key Messages

E-Series Van/Cutaway



- E-Series is all about flexibility — for carrying people or cargo, for personal or commercial use
- New seats have upgraded styling and revised head restraints designed to comply with the latest safety standards
- New Navigation System with SIRIUS® Travel Link™ includes a AM/FM stereo/single CD/DVD with Satellite Radio capability
- New Rear View Camera helps drivers see what's coming up behind them

Key Features

Ford Work Solutions™

Provides customers unprecedented levels of connectivity, flexibility and security to assist them in the day-to-day operation of their business⁽¹⁾ with these features:

In-dash computer provides high-speed Internet access, allows users to print invoices, check inventories or access their home or office computer network.

Crew Chief™ is a telematics and vehicle diagnosis system providing real-time vehicle location and maintenance tracking that can be accessed with the onboard computer.

Tool Link™ provides the capability to mark and scan equipment using Radio Frequency Identification (RFID) tags to help the driver maintain an inventory of tools and equipment — and keep them from being left behind.

Interior Convenience

All-new instrument panel is based on the proven F-Series Super Duty® and designed to be more functional and user friendly.

New engine cover console features more usable storage compartments and more functional cup holders, a clipboard slot and recessed shelf.

New door trim panels include an upper storage bin for more capacity and convenience.

Rear cargo doors can open wide, up to 172 degrees, to make loading or unloading cargo easier.

Navigation System with SIRIUS Travel Link includes a Music Jukebox and an easy-to-use LCD touch screen. SIRIUS Travel Link provides access to real-time traffic and weather updates, sports updates and movie listing information.⁽²⁾

Rear View Camera provides a video display with distance graphic in the electrochromic rearview mirror or in the optional Next Generation Navigation System screen.

Reverse Sensing System detects obstacles up to 6 feet away, to alert drivers to certain objects near the rear of the vehicle when backing up. Requires optional rear contour or rear step bumper.

User-defined switches serve as a convenient power source for accessories such as winches or auxiliary lighting.

Key Packages

Exterior Upgrade Package adds a more upscale exterior look to vans, including chrome grille and bumpers.

Crew Van Package accommodates customers with substantial cargo-carrying needs who also need to safely and comfortably transport more than two people, such as carpet cleaning crews, commercial painters, etc.

Storage Systems

Segment-exclusive E-Guard Cargo Protection System™ includes factory-installed rear- and side-door security lock sets for an extra level of security.

Racks and Bins Packages are an effective organizational system that helps make efficient use of work/cargo space; available with three vocation-based upgrade packages.

EconoCargo System provides convenient and efficient insulated cargo management.

Safety and Security

Four-wheel disc Anti-lock Braking System (ABS) is designed to help the driver maintain steering control during hard-braking situations.

SecuriLock Passive Anti-theft Ignition System provides additional security and peace of mind, optional on all vans and SRW Cutaway and Chassis Cab models.

(1) Not all features are available when the vehicle is in motion.

(2) Driving while distracted can result in loss of vehicle control. Only use mobile phones, navigation systems and other devices, even with voice commands, when it is safe to do so.

2009 E-Series Van/Cutaway

Flexibility

FLEXIBILITY

This page is about:

- All-new Instrument Panel
- New Seating
- New Engine Cover Console
- New Door Trim Panels
- Navigation System with SIRIUS® Travel Link™

Interior Convenience

All-new Instrument Panel



Redesigned to be more functional and user friendly and based largely on the proven design of the F-Series Super Duty® line.

Key features include:

- New instrument cluster
- Glove box with added power point
- New passenger-side airbag cover
- Optional passenger airbag cutoff switch
- Storage tray above the passenger airbag
- Storage bin at the top of the center stack



- Audio opening dimensions are more standardized, allowing more commonality with the audio systems in other Ford vehicles. A major benefit of this change in 2009 is the addition of an optional Navigation System with SIRIUS® Travel Link™
- Auxiliary audio input jack on models equipped with a CD-capable radio

Instrument Cluster

- New gauge design and layout
- Optional 2-line message center that displays important vehicle information by constantly monitoring a number of vehicle operating systems, includes engine-hour meter with 6.0L diesel engine
- New electronic transmission gearshift indicator has no mechanical connection between the transmission and the instrument cluster



New Seating

- Upgraded styling
- Revised head restraints designed to comply with the latest safety standards



New Engine Cover Console

- New console features more usable storage compartments and more functional cup holders
- One cup holder includes a standard removable ash cup
- Storage compartments come in a variety of shapes and sizes to accommodate a multitude of items within easy reach of the driver or passenger
- Console includes a clipboard slot and a storage shelf behind the slot



New Door Trim Panels

- Base and high-series door panels have been redesigned and improved for 2009
- New design now includes an upper storage bin in addition to the lower storage bin, for even more capacity and convenience
- Upper bin in driver's door also includes an elastic retention strap



Navigation System with SIRIUS® Travel Link™(1)

- 6.5-inch LCD touch-screen display
- Real-time traffic and weather reports provided by SIRIUS Travel Link
- Music Jukebox with storage and access to about 2,400 songs
- Integrated climate control functions
- Fast route calculations, zooming, scrolling and route previews
- Audible guidance feature that announces upcoming maneuver with specific street names
- Capable of playing a DVD-based movie when vehicle is in Park
- Includes AM/FM stereo/single-disc CD/DVD with Satellite Radio capability
- SIRIUS Satellite Radio compatibility
- See page 32 for more information

(1) Driving while distracted can result in loss of vehicle control. Only use mobile phones, navigation systems and other devices, even with voice commands, when it is safe to do so.

FLEXIBILITY

This page is about:

- SIRIUS® Satellite Radio
- SIRIUS Travel Link™
- Rear View Camera
- Rear Cargo Doors
- User-Defined Switches

2009 E-Series Van/Cutaway Flexibility

Interior Convenience cont'd

SIRIUS® Satellite Radio

- Over 130 channels
- Commercial-free music
- Digital sound quality
- Seamless coverage anywhere in the contiguous U.S.
- 6-month complimentary subscription⁽¹⁾ subject to location and availability
- See page 31 for more information

SIRIUS Travel Link™^(2,3)

- Traffic updates every 2.5 minutes with automatic rerouting capability
- Real-time weather updates provide current weather and five-day forecast
- Fuel pricing for over 120,000 gas stations
- Sports updates
- Movie listings for over 4,500 theaters
- 6-month complimentary subscription⁽¹⁾ subject to location and availability
- See page 32 for more information

Rear View Camera



- Optional on all Van models
- Includes a camera mounted in the rear license plate bracket that provides added driver convenience when backing up and is especially useful when parallel parking or hitching a trailer
 - System automatically engages when the vehicle is placed in Reverse
 - Video is shown on the Navigation System screen with an image providing vehicle centerline, rear bumper orientation and green, yellow and red trajectory lines to relate an object's proximity to the rear of the vehicle
 - Video is displayed in the electrochromic rearview mirror on vehicles without the Navigation System

Rear Cargo Doors

- Standard on all Van models
- Can be opened wide, up to 172 degrees, for easier access to the cargo area to make loading and unloading easy

User-Defined Switches

- Optional on all Van/Cutaway models
- Upfitter switches (4) located at the top of the instrument panel
- Serve as a convenient power source for accessories such as winches or auxiliary lighting



(1) SIRIUS Satellite Radio and SIRIUS Travel Link are separate subscriptions.
(2) Driving while distracted can result in loss of vehicle control. Only use mobile phones, navigation systems and other devices, even with voice commands, when it is safe to do so.
(3) Some features may not be available when vehicle is in motion.

2009 E-Series Van/Cutaway

Flexibility

FLEXIBILITY

This page is about:

Ford Work Solutions

In-dash Computer

Crew Chief™

Tool Link™

Ford Work Solutions™

New for 2009, Ford Work Solutions provide customers unprecedented levels of connectivity, flexibility and security to assist them in the day-to-day operation of their business.⁽¹⁾



The features and technologies included in Ford Work Solutions were closely developed with industry-leading partners and the direct result of research into the needs of contractors and tradespeople across the United States.

This partnership and research has resulted in the E-Series offering three innovative features:

In-dash Computer (87A)

- Provides full high-speed Internet access using the Sprint® Mobile Broadband Network and Navigation by another industry leader, Garmin
- Allows users to print invoices, check inventories and access documents stored on their home or office computer networks while on the job site
- The print option requires an optional on-board, Bluetooth®⁽²⁾ enabled inkjet printer available
- Runs on Microsoft Windows CE
- Bluetooth enabled for easy connection to your phone
- Voice activated for hands-free operation of phone or music devices



Crew Chief™ (87T)

- A telematics and vehicle diagnosis system that provides real-time vehicle location and maintenance tracking
- Fleet owners or managers can dispatch vehicles quickly and efficiently, and will be able to monitor numerous diagnostic functions such as tire pressure or check engine codes
- Provides fuel usage calculations and assists with fuel tax reporting, helping to manage fleet costs more effectively
- All of this data is linked to a Web-based application which can be accessed by a fleet owner or manager anywhere there is Internet access available, even on an on-board Ford Work Solutions in-dash computer



Tool Link™ (87L)

- Provides the capability to mark and scan expensive tools, equipment and materials using RFID (Radio Frequency Identification) tags
- Located inside the cargo area of E-Series Commercial Vans are three RFID antennas that scan the cargo area for items listed on a preprogrammed inventory when the vehicle is running
- The scan data is transmitted to a reader mounted inside the cab and displayed on the in-dash computer screen, alerting the driver to any tools or materials that may not be loaded in the van



(1) Not all features are available while the vehicle is in motion.

(2) The Bluetooth work mark and logos are trademarks of the Bluetooth, SIG, Inc.

FLEXIBILITY

This page is about:

- A/C Prep Package
- Aerial Bucket Truck Suspension Package
- Ambulance Prep Package
- Auxiliary Heater-Air Conditioning Connector Packages
- Crew Van Package
- EconoCargo System

2009 E-Series Van/Cutaway Flexibility

Packages

A/C Prep Package (57Z)

- Optional on Stripped Chassis only
- Scroll compressor, condenser, drive belt, tensioner-attaching brackets and bolts

Aerial Bucket Truck Suspension Package (86A)

- Optional on E-350 Commercial Van (SRW)
- 4600 lbs., front springs/4600 lbs., front GAWR
- 7810 lbs., 9-leaf rear springs
- Rear GAWR reduced to 5400 lbs. (with gasoline engine only)
- Maximum front GAWR (672)

Ambulance Prep Package (47A)

- E-350 Super Duty® Commercial Van, E-350/E-450 Cutaway
- Requires 6.0L Power Stroke® V8 turbo diesel engine
- Includes:
 - 4.10 limited-slip axle
 - Auxiliary heater connector package
 - Dual alternators
 - Maximum front GAWR
 - Vinyl headliner and sun visors
 - Fixed side/rear door tinted glass (Commercial Van)
 - Modified vehicle wiring (Commercial Van)
 - Spare tire and wheel (Cutaway)
 - Mirrors, manual telescoping trailer tow (Cutaway)
 - Frame pucks (isolators) (Cutaway)
 - License plate bracket (Cutaway)

Auxiliary Heater-Air Conditioning Connector Package (with rear A/C Controls) (57X)

- Optional on Recreational Van, E-350 Commercial Van with Ambulance Prep Package and E-350/E-450 Cutaway
- Front heater connector
- Front air conditioning connector
- Rear air conditioning controls in instrument panel

Auxiliary Heater-Air Conditioning Connector Package (without rear A/C Controls) (57L)

- Optional on Recreational Van and E-350/E-450 Cutaway, included with Ambulance Prep Package on E-350 Commercial Van
- Front heater connector
- Front air conditioning connector

Crew Van Package (47C)

On Commercial Van models only, the Crew Van Package accommodates customers with substantial cargo-carrying needs, who also need to comfortably transport more than two people, such as carpet-cleaning crews and commercial painters. The package includes:

- Front and rear vinyl floor covering
- Dual vinyl bucket seats
- Second-row vinyl bench seat
- Full steel mesh bulkhead
- Partial vinyl headliner (ends at rear of second-row bench seat)
- Full B-pillar trim panels
- Low-series (polypropylene) side-door and back-door trim panels
- Left-hand lower trim panel behind driver's seat, restraints with metal retractor cover for second-row bench seat, pull handle on 40 percent side door and right-hand back door
- Not available on E-150 Extended Length

EconoCargo System (96B)

- Optional on Commercial Van
- Insulated polyethylene panels covering walls and ceiling
- Steel bulkhead with lockable door, 2 tracks and tie-down straps
- Requires front and rear vinyl floor covering
- See page 27 for more information

EconoCargo Upgrade Package (66C)

- Wire shelving modules (48"H x 16"D x 49"W) (2)
- MR-8318 48" single upright (2)
- MR-8319 48" double upright
- MR-8388A 16" x 48" wire shelf
- MR-8388 12" x 48" wire shelf

Exterior Upgrade Package (18A)

- Optional on Commercial Van and Cutaway
- Chrome front bumper (Cutaway)
- Chrome front and rear contour or step bumpers (Van)
- Chrome grille
- Dual-beam fixed lens headlamps

2009 E-Series Van/Cutaway

Flexibility

FLEXIBILITY

This page is about:

- Insulation Package
- Interior Upgrade Packages
- Motorhome Prep Package
- Power Group
- Power Windows and Locks Group
- Premium Van Group

Packages cont'd

Insulation Package (551 - Van) (552 - Cutaway)

- Optional on Commercial Van and Cutaway
- Front cloth headliner (Cutaway)
- Full-length cloth headliner (Commercial Van)
- Cloth sun visors
- Color-keyed sliding door track (when 60S Sliding Side Cargo door is ordered) (Commercial Van)
- Upper left and right side B-pillar trim panels (Commercial Van)
- Polypropylene side door and rear door trim panels (Commercial Van)
- Included with Interior Upgrade Package (18B) and Premium Van Group (18M) (Commercial Van)

Interior Upgrade Package (18B)

- Optional on Commercial Vans
- Insulation Package (551)
- Front and rear carpet
- Front carpeted throw-in floor mats
- Dash sound absorber
- Dual cloth Captain's Chairs
- Power side cargo door/rear cargo door trim panels
- C/K sliding door track cover
- Full-length cloth headliner
- Cloth sun visors
- Full B-pillar trim
- Polypropylene side/rear door trim panels
- Power Group (90F)
- Requires rear door glass and aero mirrors

Interior Upgrade Package (18C)

- Optional on Cutaway only
- Front cloth headliner
- High-series door trim panels
- Dual cloth Captain's Chairs
- Cloth sun visors
- Front carpeting
- Power Windows and Locks Group (903)
- Insulation Package (552)

Motorhome Prep Package (47M)

- Optional on E-350/E-450 Cutaway only
- Front chrome bumper and grille
- Dual-beam fixed lens headlamps
- Power door locks and windows
- Manual pedestals, seats not included
- Cruise control
- Fixed antenna
- Front maximum GAWR on E-450
- 55-gallon fuel tank (40-gallon on E-350 with 138-inch or 176-inch wheelbase)
- Frame pucks (isolators)
- Front license plate bracket
- Class I Trailer Tow Prep Package
- Cloth sun visors

Power Group (90F)

- Optional on Commercial Vans
- Requires rear door glass (not required if Telescoping Trailer Tow Mirrors are selected)
- Power door locks (includes back door switch)
- Power windows with one-touch-down power driver window
- Remote Keyless Entry System with panic alarm

Power Windows and Locks Group (903)

- Available on Cutaways
- Power windows with one-touch-down power driver window
- Power door locks

Premium Van Group (18M)

- Optional on Commercial Van
- NA with Crew Van Package (47C) or Interior Upgrade Package (18B)
- Dual Captain's Chairs
- AM/FM stereo single-disc CD player with 4 speakers
- Exterior Upgrade Package (18A)
- Power Group (90F)
- Cruise control
- Insulation Package (551)
- Requires rear door glass and aero mirrors

FLEXIBILITY

This page is about:

- QuietFlex™ Composite Racks and Bins Package
- Racks and Bins Packages
- Right-Hand Door Delete
- RV Plus Package
- School Bus Body Builder Prep Package
- Shuttle Bus Prep Package

2009 E-Series Van/Cutaway

Flexibility

Packages cont'd

QuietFlex™ III Composite Racks and Bins Package (96Q)

- See page 27 for more information

Racks and Bins Package #1 (667)

- Ship-thru ladder rack (1)
- Crossbow (1)
- See page 27 for more information

Racks and Bins Package #2 (668)

- 12-drawer cabinet (1)
- Tilt shelf (1)
- Toolbox door — additional (1)
- Wire spool rack (1)
- Triple hook — additional (1)
- Shelf divider set — additional (1)
- Not available with Quiet Flex III Composite Racks and Bins
- See page 27 for more information

Racks and Bins Package #3 (669)

- 12-drawer cabinet (1)
- Tilt shelf (1)
- Freon tank rack (3-tank capacity)
- Not available with Quiet Flex III Composite Racks and Bins
- See page 27 for more information

Right-Hand Door Delete (60X)

- Optional on E-350/E-450 Cutaway only
- Exterior Mirror Delete
- Passenger Seat Delete

RV Plus Package (43V)

- Optional on regular length E-150/E-250 Recreational Van
- LT225/75R16 OWL all-season tires and aluminum wheels with hubcap (E-150)
- Leather-wrapped steering wheel
- Swing-out side/fixed rear door glass
- Auxiliary Heater-A/C Connector Package (with rear A/C controls) (57X)
- AM/FM stereo single-disc CD player
- Back-door lock switch

School Bus Body Builder Prep Package (47S)

- Select E-Series Cutaway models. Includes:
 - 40-gallon fuel tank on E-350 DRW/E-450
 - Front license plate bracket
 - Banded front door glass (tinted)
 - High-back driver seat only
 - Frame pucks
 - Exterior Mirror Delete
 - Extra-heavy-duty 155-amp alternator included with 99L 5.4L and 99S 6.8L gasoline engines
 - Extra-heavy-duty 140-amp alternator
 - 5000-lb. front maximum GAWR on E-450
- Deletes:
 - Right-hand seat, seat pedestal and attaching hardware
 - Right-hand safety belt system
 - Right-hand B-pillar trim and scuff plate
 - Passenger side airbag (right-hand, front)
 - Exterior telescoping trailer towing mirrors
 - Front headliner

Shuttle Bus Prep Package (47B)

- E-350 and E-450 Cutaway only
- Includes:
 - Front chrome bumper and grille
 - Dual-beam fixed lens headlamps
 - Manual pedestals, seats not included
 - Power door locks and windows (not available with right-hand door delete)
 - Driver and front passenger airbags
 - Front maximum GAWR on E-450
 - Engine block heater
 - Frame pucks — isolators
 - Front license plate bracket
 - Exterior Mirror Delete
 - Extra-heavy-duty 155-amp alternator included with 99L 5.4L and 99S 6.8L gasoline engines
 - Extra-heavy-duty 140-amp alternator
- Deletes:
 - Front headliner
 - Front dome lamp

2009 E-Series Van/Cutaway

Flexibility

FLEXIBILITY

This page is about:

- Cargo Space
- EconoCargo System
- E-Guard Cargo Protection System™
- QuietFlex™ III Composite Racks and Bins Package
- Racks and Bins Package

Storage Systems

Cargo Space⁽¹⁾

- Up to 237.8 cubic feet in Van models
- Up to 278.3 cubic feet in Extended Van models

EconoCargo System (96B)

- Ideal for florists, caterers, panel delivery
- Helps protect cargo with E-Track and tie-down straps on each wall for convenient and efficient cargo management
- Includes bulkhead with lockable door
- Includes durable panels of high-density polyethylene covering walls and ceiling for insulation
- Liner material resists acids, gasoline, salt, fertilizers, cleaners, insecticides and many solvents
- The EconoCargo System is insulated with a measured R value of 9.2 downward (ceiling) and 3.9 horizontal (walls)
- Insulation material is composed of a single layer of 99 percent pure aluminum and one polyethylene bubble layer laminated to a white polyethylene film
- Aluminum foil reflects 97 percent of the radiant heat that strikes the surface and does not emit more than 3 percent of the heat conducted to it from the other side
- Insulating material has little mass and cannot hold very much heat. This is the reason vans equipped with the EconoCargo System warm up faster in the winter and cool off quicker in the summer
- EconoCargo Upgrade Package (66C) provides additional uprights and wire shelving for general delivery contractors



E-Guard Cargo Protection System™ (91J)

- Segment-exclusive feature
- Available on Commercial Vans with 60/40 split side cargo doors
- Includes factory-installed reinforced rear- and side-door security lock sets with double-locking design
- Designed to be unlocked from the outside using the vehicle key

(1) Cargo volume measured from back of seats.

QuietFlex™ III Composite Racks and Bins Package (96Q)



Provides an effective organizational system that helps make efficient use of work/cargo space. Some benefits of the new system are:

- Elimination of metal-to-metal contact for quieter operation
- Composite shelving provides a reduction in weight, which increases usable payload
- Steel upright structures are tapered at the floor to allow for a 4- x 8-ft. sheet of plywood or drywall to slide flat on the floor
- Pop-up shelving provides even more flexible and fast reconfiguration than the previous system
- Lockable composite bulkhead allows up to 4 inches of driver seat recline

Racks and Bins Package (96G)

- Designed for maximum storage capacity
- Includes bulkhead with lockable door
- Fully installed steel shelving, drawers and cabinets
- Ideal for customers who need to secure tools on racks or in bins
- Vocational uses include, but are not limited to, heating and air conditioning contractors, carpenters, electricians, plumbers, cable installers and appliance repair
- Full-width safety partition provides work-area access from the passenger compartment
- Racks and Bins upgrade packages are tailored for specific vocational applications:
 - #1 Contractors Package
 - #2 Electrical/Appliance Repair Package
 - #3 Plumbing/HVAC Service Package



FLEXIBILITY

This page is about:

- Side Doors
- Safety Belt Pretensioners
- Remote Keyless Entry System
- Side Door Intrusion Beams
- Four-wheel Disc Anti-lock Braking System (ABS)
- Second Generation Driver and Front Passenger Airbags

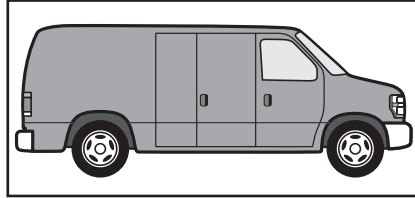
2009 E-Series Van/Cutaway

Flexibility

Entry/Exit Specifics

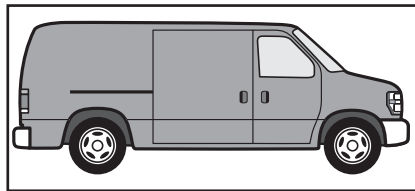
60/40 Swing-out Side Doors

- allow plenty of room for rear-seat entry and exit.



Sliding Side Cargo Door

- an option that provides wide, easy access to the interior.



Engine Cover Console — all-new engine cover console features more usable storage compartments, 3 functional cup holders, a slot for a clipboard and a storage shelf behind the slot.



Safety and Security

Second Generation Driver and Front Passenger Airbag

- Standard on all E-Series Wagons
- Provides additional protection in certain moderate-to-severe frontal and near-frontal collisions
- When used with properly worn safety belts, airbags represent one of the most effective occupant-protection systems available today
- Three-point front safety belts should be properly worn at all times
- All occupants should sit with their backs firmly against the seatbacks

Safety Belt Pretensioners

- In certain frontal collisions, the pretensioners for the driver and right front outboard safety belts are triggered by the same sensor that triggers airbag inflation
- Before airbag inflation, the pretensioner mechanism tightens the safety belt being worn by the driver or front outboard passenger
- Holds the safety belt firmly against the occupant before the airbag inflates, helping to reduce the force of the belt on the occupant

Side Door Intrusion Beams

Provide additional protection in certain side collisions.

Four-wheel Disc Anti-lock Braking System (ABS)

Standard on all E-Series models, helps provide steering control in hard-braking situations by keeping the brakes from locking. Disc brakes help resist fade better than drum brakes.

Electronic Brake Force Distribution (EBD)

Automatically balances the front-to-rear brake force distribution to reduce the tendency for rear-wheel lockup and optimize braking performance according to vehicle load of passengers and/or cargo.

SecuriLock®

A passive anti-theft ignition system that provides additional security and peace of mind.

LATCH (Lower Anchors and Tethers for Children) System

- Consists of a top tether anchor point and two rigid bars located where the seat cushion meets the seatback
- All rear seats offer LATCH provisions
- LATCH-compatible child safety seat attaches to the lower anchor points by means of flexible tethers or rigid latch bars
- LATCH assists in providing a secure attachment and its uniform installation method helps reduce the likelihood of incorrect installation

Remote Keyless Entry System

Locks and unlocks doors from up to 33 feet away. Includes two transmitters and illuminated entry (included as part of Power Group on Vans).

A Closer Look: Anti-lock Braking System

Remind your customers that ABS does not necessarily shorten stopping distances, but is designed to help the driver maintain steering control during hard-braking situations. An E-Series vehicle that is pulling a trailer or hauling a heavy load will take longer to stop as compared to an unloaded vehicle, even when equipped with an Anti-lock Braking System (ABS).

2009 E-Series Van/Cutaway

Capability

CAPABILITY

This page is about:

- Trailer Towing Packages
- Integrated Trailer Brake Controller
- GVWR Capability
- Payload Capability

Overview

Key Messages

E-Series Van/Cutaway



- E-Series has proven its capability over long years of getting the job done for thousands of personal-use customers
- Outstanding towing capacity makes E-Series a great family recreational vehicle
- A wide range of GVWR and payload ratings are designed to meet specific customer needs
- E-Series gives commercial customers vocational equipment combinations for their specialized needs

Key Features

Towing and Hauling

Class I Trailer Towing Package, available on all Van models, includes a 4-pin trailer wiring harness. It is included as part of the painted or chrome rear step bumper options.

Class II, III and IV Trailer Towing Package includes electric brake controller tap-in capability, 7-pin trailer wiring harness (blade-style female connector) with bumper bracket, relay system for backup/running lights and a frame-mounted hitch receiver.

Integrated Trailer Brake Controller ensures smooth and effective trailer braking by powering the trailer's electric brakes with a proportional output based on the towing vehicle's brake pressure.

Capability

E-250 Cutaway is ideally suited for small parcel delivery or rental vehicle applications. Features include single rear wheel (SRW), 8600-lb. GVWR, 4.6L Triton® V8 with 4-speed automatic transmission and a 35-gallon midship fuel tank which distributes less weight to the rear axle than the aft-of-axle tank, for more usable RGAWR.

E-350 SRW Super Duty® Cutaway has a standard GVWR of 9600 lbs. and up to 9900 lbs. with 6.0L diesel engine. Payload maximum is 4454 lbs.

E-450 Super Duty Cutaway standard GVWR is 13,990 lbs. with 6.0L diesel engine (upgradable to 14,500 lbs. with option code 20F except in California, Connecticut, Maine, Massachusetts, New York, Oregon, Rhode Island, Vermont and Washington). Payload maximum is 8426 lbs.

E-450 Super Duty Cutaway fuel capacity is a standard 55-gallon tank and an optional 40-gallon tank.

Maximum payload capacities range from 3230 lbs. for an E-150 Van up to 9747 lbs. for the E-450 Super Duty Commercial Stripped Chassis.

A complete list of GVWR and payload capacity weight ratings for each E-Series Van and Cutaway model can be found on pages 41, 42.

Integrated Trailer Brake Controller

- Available on all Van models and select Cutaway models with gasoline engines
- The fully Integrated Trailer Brake Controller has better performance at lower cost than any aftermarket controller
- Factory-installed and warranted by Ford Motor Company
- Ensures smooth and effective trailer braking by powering the trailer's electric brakes with a proportional output based on the towing vehicle's brake pressure
- Fully integrated into the instrument panel and the vehicle's onboard computer
- The first controller to be able to adapt its output based on the status of the Anti-lock Braking System (ABS). When the ABS module senses the towing vehicle's brakes are in low-traction conditions, the controller's braking strategy changes to compensate for traction conditions, reducing the risk of trailer brake lockup
- Provides instant visual/audible warning in case of accidental trailer disconnect
- Display dims with the rest of interior lighting
- Includes the following user indicators in the instrument cluster message center integrated controls:
 - +/- (GAIN adjustment) buttons
 - Trailer connection indicator
 - GAIN setting display
 - OUTPUT bar graph
 - Manual control lever
- The Integrated Trailer Brake Controller has only been verified to be compatible with trailers having electrically actuated drum brakes (one to four axles) and not hydraulic surge or electric-over-hydraulic types

NOTE: For additional towing information, refer to **eSourceBook** (esourcebook.dealerconnection.com) or the 2009 RV & Trailer Towing Guide shipped with your Source Books.

CAPABILITY

This page is about:

- Service Vocation Combination
- Locksmith and Catering Combination
- Florist and General Contractor Combination
- Additional Recommendations

2009 E-Series Van/Cutaway

Capability

Vocational Equipment Combinations

E-Series Van

Research shows most E-Series Van purchases are made to satisfy an immediate need. So it's critical to stock vehicles equipped to best meet vocational customers' demands. Following are equipment recommendations based on market research.

Service Vocation Combination

These businesses include plumbing, heating and air conditioning, and electrical. They have to be able to haul everything possibly needed for a given job, so E-350's Super Duty® heavy-duty payload capacity is a must.

- E-350 Super Duty
- Heavy-duty battery
- 5.4L SOHC Triton® V8 engine with 4-speed automatic overdrive transmission
- 60/40 swing-out side cargo door (no window)
- Fixed rear door glass
- Racks and Bins System (includes bulkhead)
- Class II/III/IV Trailer Towing Package with Class III hitch
- Standard rear step bumper

Locksmith and Catering Combination

E-250 provides the extra weight capacity these vocations need, while allowing space for their very different cargo-management needs.

- E-250
- Heavy-duty battery
- 5.4L SOHC Triton V8 engine with 4-speed automatic transmission
- Privacy glass rear window
- Class II/III/IV Trailer Towing Package with Class III hitch
- Rear step bumper
- Sliding side door without windows (locksmiths)
- 60/40 swing-out side cargo door (no window) (caterers)
- Dual Captain's Chairs (caterers)
- EconoCargo System (insulated; includes bulkhead) (caterers)
- Power Group (windows, mirrors, door locks) (caterers)

Recommended E-Series Van Vocational Package Guide for Dealer Stock

Vehicle/Option	Code	Plumber Electrician HVAC	Caterer	General Contractor	Florist	Locksmith
E-150	E14			X	X	
E-250 Reg. Length	E24		X			X
E-350 Reg. Length	E34	X				
4.6L V8	99W			X	X	
5.4L V8	99L	X	X			X
Hinged 60/40 Side Cargo Doors	STD	X	X	X		
Sliding Side Cargo Door	60S				X	X
No Windows in the Side Door(s)	STD	X	X	X	X	X
Fixed Rear Door Glass	173		X		X	X
Power Group	90F	X	X	X	X	X
Racks and Bins Package	96G/96Q	X		X		
EconoCargo System	96B		X			
Class II/III/IV Trailer Towing Package	536	X	X	X		
High Capacity A/C (front/rear)	574				X	
Dual Captain's Chairs	21A		X		X	

NOTE: Ordering a Commercial Van with Power Group requires rear cargo door glass.

Florist and General Contractor Combination

E-150 gives these customers the right weight capacity, in addition to a spacious cargo area for multiple-stop, in-city service.

- E-150
- 4.6L SOHC Triton V8 engine with 4-speed automatic transmission
- Privacy glass rear window
- Standard rear step bumper

Additional Recommendations for Florists

- Sliding side door (no window)
- EconoCargo System (insulated; includes bulkhead)
- Power Group (windows, mirrors, door locks)
- Rear air conditioning and heat

Additional Recommendations for General Contractors

- 60/40 swing-out side cargo door (no window)
- Racks and Bins Upgrade Package #1 (includes bulkhead)
- Heavy-duty battery
- Class II/III/IV Trailer Towing Package with Class III hitch

2009 E-Series Van/Cutaway

Audio/Navigation

AUDIO/NAVIGATION

This page is about:

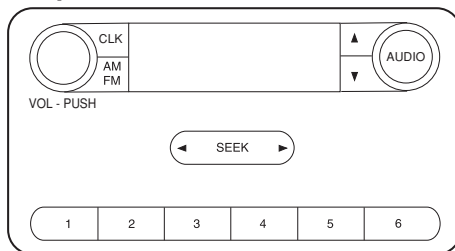
- AM/FM Stereo
- AM/FM Stereo/Single-disc CD Player
- Premium Plus AM/FM Stereo/6-disc In-dash CD Changer
- SIRIUS® Satellite Radio

Audio

All E-Series Van/Cutaway Audio Systems Include

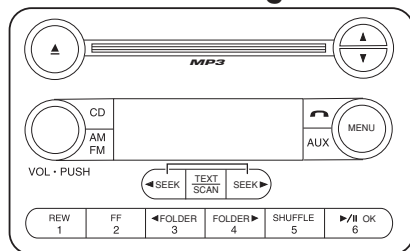
- Electronic tuning
- Tone control
- Seek
- Digital clock

AM/FM Stereo



- 10 watts per channel
- 6 AM/12 FM presets
- 4 premium speakers (XL Wagon)

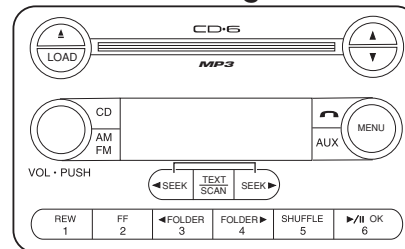
AM/FM Stereo/Single-disc CD Player



Includes or replaces features of AM/FM stereo plus:

- 20 watts per channel
- 6 AM/12 FM presets
- Fade/balance
- Bass/treble
- Fast forward and rewind CD control scan track
- 6 premium speakers (XLT Wagon and Chateau)
- Audio input jack
 - Allows the use of portable MP3 players
 - Vehicle audio system will not control the functions of the MP3 player

Premium Plus AM/FM Stereo/6-disc In-dash CD Changer



Includes or replaces features of Premium AM/FM stereo/single-disc CD player plus:

- 80 watts
- 6 premium speakers
- 3 bands of equalization
- Fast Forward and Rewind CD control, scan track

SIRIUS® Satellite Radio

- Includes 6 months of SIRIUS service⁽¹⁾ subject to location and availability
- Order Code 58N must be specified. This will equip the vehicle with the AM/FM stereo/6-disc in-dash CD changer and necessary vehicle-to-radio interface and antenna
- Unit is preactivated from the factory
- SIRIUS Satellite Radio can be accessed using existing radio head controls:
 - **Aux button** — press and release to enter satellite radio mode
 - **Seek/Scan** — use these buttons to change channels
- Key benefits of SIRIUS Satellite Radio include:
 - Over 130 channels of the best music, talk, news and information (65 music channels)
 - 100 percent commercial-free music
 - Seamless coverage anywhere in the contiguous U.S.
- More information is available online at www.sirius.com or toll-free at (888) 539-SIRIUS (7474)

For More Audio Information

- Audio availability: See the latest Dealer Ordering Guide
- Operating information: See the vehicle Owner's Guide

(1) SIRIUS Satellite Radio and SIRIUS Travel Link™ are separate subscriptions.

AUDIO/NAVIGATION

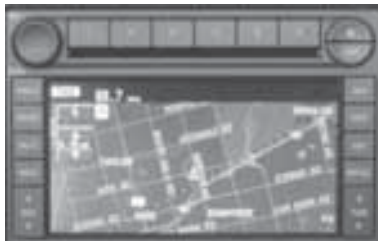
This page is about:

- Navigation System with SIRIUS® Travel Link™
- SIRIUS Travel Link

2009 E-Series Van/Cutaway

Audio/Navigation

Navigation System with SIRIUS® Travel Link™



- Includes Premium Plus with AM/FM stereo/single-disc CD/DVD and satellite radio capability
- **6.5-inch LCD touch screen** operates navigation and audio functions
- **Hard-drive-based system** includes 40 GB of storage for map data, photos and music
- Integrated **climate control** functions
- **Traffic and weather information, fuel pricing, sports updates and movie listings** provided by SIRIUS Travel Link. Learn more about the capabilities in the "A Closer Look" box at right
- **Bird's-eye map** provides a "3D" view of route, landmarks and Points of Interest (POI)
- **Music Jukebox capability** allows for storage and access to around 2,400 songs (at 4 minutes per song)
 - Browse the music library via the touch screen
 - Music can be sorted by playlists
- **Upload photos** to the home screen
- **Park and Play** mode allows audio and video discs to play while the vehicle is in Park
- **Destination selection search** methods include:
 - Street address
 - Point of Interest (POI)
 - Freeway entrance/exit search
 - Previous destination
- **Route Guidance** with turn-by-turn voice directions
 - Street name announcements
 - Freeway exit, turn and ramp transition lane guidance
 - Speed limit display on freeways
- Supports North American English, Canadian French and Mexican Spanish
- **Help menu** for basic operation, driving restrictions and navigation
- **Automatic rerouting** recalculates a new route if a turn is missed
- **Emergency button** provides nearest emergency facility to choose as a destination (hospital or police)
- **Valet Lockout Mode** disables operation of the navigation and audio systems
- **Address book** saves the most frequently used destinations for quick and easy routing

A CLOSER LOOK: SIRIUS Travel Link^(1,2)

- **Real-time traffic info**
 - Provides incident, speed and flow information for 80 major cities in the continental U.S.
 - Updates every 2.5 minutes
 - View graphical overlay of incidents
 - Route recalculation based on traffic data
- **Real-time weather info**
 - Provides current weather and 5-day forecast reports that are updated every 5 minutes
 - Current conditions update every 30 minutes
 - Region of interest can be defined by customer
- **Fuel pricing** for over 120,000 gas stations
 - Search for pricing en route or based on current location
 - Displays pricing for regular, mid-grade and premium when available
- **Sports updates and movie listings**
 - Score summaries and schedules for major sports
 - Updates every 5 minutes
 - User can personalize for favorite teams
 - Movie listings for over 4,500 theatres, including times, movie summary and directions to the theatre
- 6-month complimentary subscription⁽³⁾ subject to location and availability
- More information is available online at www.sirius.com or toll-free at (888) 539-SIRIUS (7474)

(1) Driving while distracted can result in loss of vehicle control. Only use mobile phones, navigation systems and other devices, even with voice commands, when it is safe to do so.

(2) Some features may not be available while vehicle is in motion.

(3) SIRIUS Satellite Radio and SIRIUS Travel Link are separate subscriptions.

For More Audio Information

- Audio availability: See the latest Dealer Ordering Guide
- Operating information: See the vehicle Owner's Guide

2009 E-Series Van/Cutaway

Wheels/Interior Trim



WHEELS/INTERIOR TRIM

This page is about:

16" 8-Lug Steel with Sport Wheel Cover

16" 8-Lug Forged Aluminum

Interior Trim

Wheel	Ordering Code	Commercial (Standard)			Recreational (RV)		
		E-150 Van	E-250 Van	E-350 Super Duty® Van	E-150 Van	E-250 Van	E-350 Super Duty Van
16" 8-Lug Steel Wheel with Sport Wheel Cover w/Bright Accents (16" x 7") (Wheel cover shows 7 simulated lugs) 	614	Standard	Standard	Standard	Standard	Standard	Standard
16" 8-Lug Forged Aluminum Wheel (16" x 7") 	64F	Optional	Optional	Optional	Optional	Optional	Optional

NOTES: Spare wheels are steel. See the latest Dealer Ordering Guide for wheel availability.

Interior Trim

E-Series Vans	Interior Trim Colors	
Interior Trim Type and Color Selector	Medium Flint	Medium Pebble
NOTE: First character denotes type, second character denotes color. Commercial Vinyl Bucket Seats Cloth Bucket Seats Cloth Captain's Chairs	AE CE ME	— — MW ⁽¹⁾
Recreational Seats Not Included	XE	XW

E-Series Cutaway	Interior Trim Colors	
Interior Trim Type and Color Selector	Medium Flint	Medium Pebble
NOTE: First character denotes type, second character denotes color. Standard Vinyl Bucket Seats Cloth Bucket Seats Cloth Captain's Chairs ⁽²⁾ Seats Not Included	AE CE ME XE	— — MW XW

NOTE: For illustrations of the available seating choices, refer to eSourceBook (esourcebook.dealerconnection.com) or the 2009 Color and Upholstery Book shipped with your Source Books.

(1) Cloth Captain's Chairs in Medium Pebble interior (MW) available with Interior Upgrade Package only.

(2) Available with Interior Upgrade Package, Dual Captain's Chairs.

NOTE: Inboard armrests are standard on all front seats.

This page is about:

- Seating Configurations
- Cargo Dimensions

2009 E-Series Van/Cutaway

Seating Configurations/Cargo Dimensions

Seating Configurations

Van



2-passenger Van

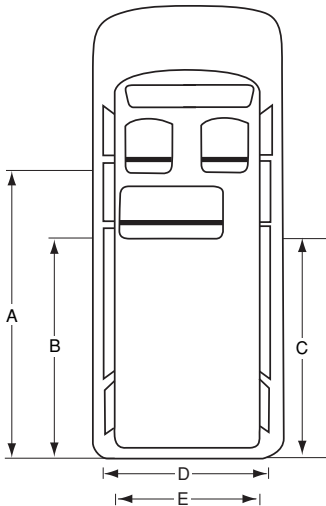
- Standard dual bucket seats



5-passenger Crew Van

- Optional Crew Van Package (47C)
- Standard dual bucket seats, 3-passenger bench seat with bulkhead

Cargo Dimensions



			Regular Length (in.)	Extended Length (in.)
A	Inside length — driver seat to inside of rear door	@ floor @ beltline	122.4 114.1	142.4 132.1
B	Inside length — rear of first bench seat to inside of rear door	@ floor @ beltline	84.9 78.7	104.9 98.7
C	Crew Van bulkhead to inside of rear door	@ beltline	72.9	92.9
D	Cargo body width	@ floor	79.4	79.4
E	Cargo width between wheelhouses	@ floor	52.5	52.5

2009 E-Series Van/Cutaway

Instrument Clusters

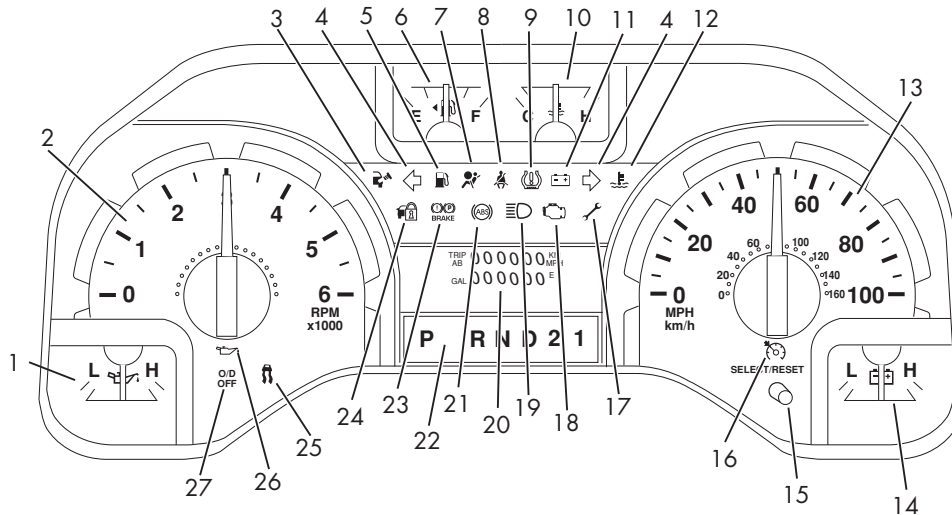
INSTRUMENT CLUSTERS

This page is about:

Gasoline Engine Instrument Cluster

Diesel Engine Instrument Cluster

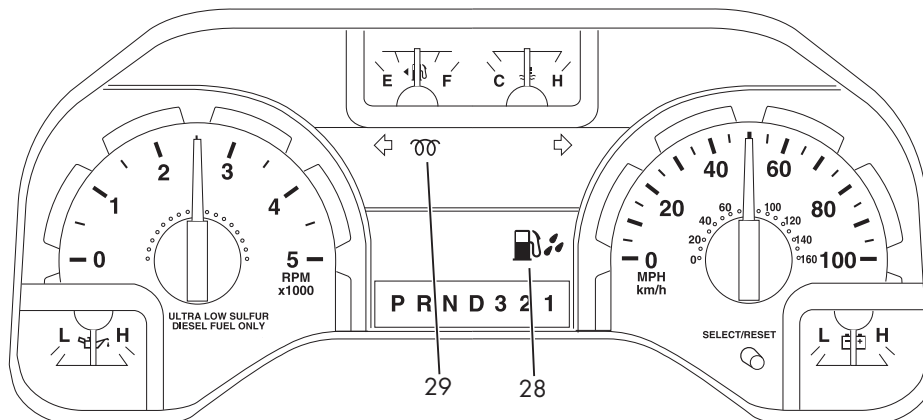
Gasoline Engine Instrument Cluster



- | | | |
|--|---|--|
| 1. Engine oil pressure gauge | 13. Speedometer | 22. Transmission gearshift indicator |
| 2. Tachometer | 14. Battery voltage gauge | 23. Brake system warning/parking brake applied light |
| 3. Check fuel cap warning light | 15. Odometer/trip odometer select/reset switch | 24. SecurILock® system active indicator |
| 4. Turn signal | 16. Cruise control activated light | 25. AdvanceTrac® with RSC® (Roll Stability Control™) active light ⁽¹⁾ |
| 5. Low fuel warning light | 17. Electronic Throttle Control (ETC) warning light | 26. Low tire pressure warning light |
| 6. Fuel gauge | 18. Service engine soon warning light | 27. Transmission overdrive off light |
| 7. Airbag readiness warning light | 19. High beams on light | 28. Water in fuel warning light ⁽¹⁾ |
| 8. Fasten safety belt warning light | 20. Odometer/trip odometer/message center | 29. Wait to start indicator ⁽¹⁾ |
| 9. Low tire pressure warning light | 21. Anti-lock Braking System (ABS) warning light | |
| 10. Engine coolant temperature gauge | | |
| 11. Charging system warning light | | |
| 12. Engine coolant temperature warning light | | |

(1) If equipped.

Diesel Engine Instrument Cluster

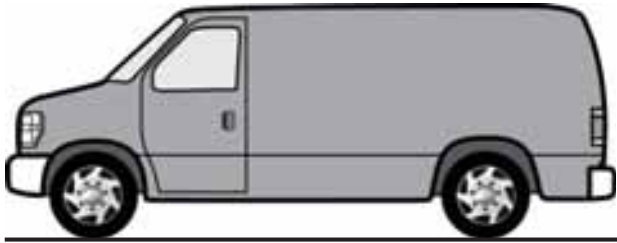


CONFIGURATIONS

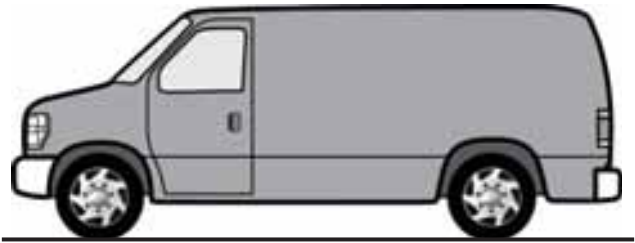
This page is about:

- Wheelbases
- Overall Length
- Trim Levels

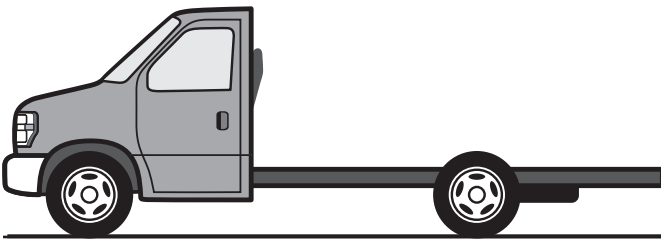
2009 E-Series Van/Cutaway Configurations



Van: 138.0" Wheelbase/216.7" Overall Length



Extended Van: 138.0" Wheelbase/
236.4" Overall Length



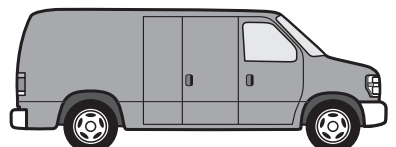
Cutaway: Choice of 138.0", 158.0" or 176.0" Wheelbases



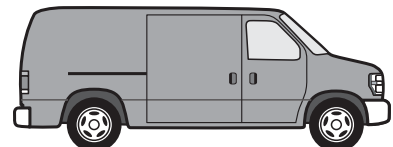
Stripped Chassis: Choice of 138.0", 158.0" or
176.0" Wheelbases

Style	Model	Wheelbase (in.)	Trim Level	
			Commercial	Recreational
Van	E-150	138.0	X	X
	E-150 Extended	138.0	X	X
	E-250	138.0	X	X
	E-250 Extended	138.0	X	X
	E-350 Super Duty®	138.0	X	X
	E-350 Super Duty Extended	138.0	X	X
Cutaway	E-250 Super Duty	138.0	—	—
	E-350 SRW Super Duty	138.0	—	—
	E-350 Super Duty	138.0	—	—
		158.0	—	—
		176.0	—	—
E-450 Super Duty	158.0 176.0	— —	— —	
Stripped Chassis	E-350 Super Duty	138.0	X	—
		158.0	—	—
		176.0	—	—
	E-450 Super Duty	158.0	X	—
		176.0	—	—

X = Available — = Not available



Standard 60/40 swing-out side doors

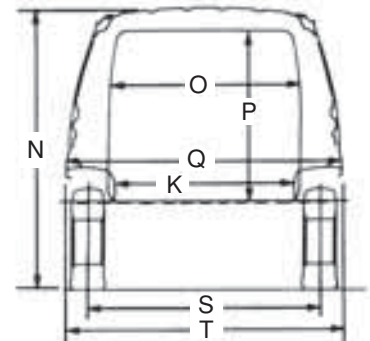
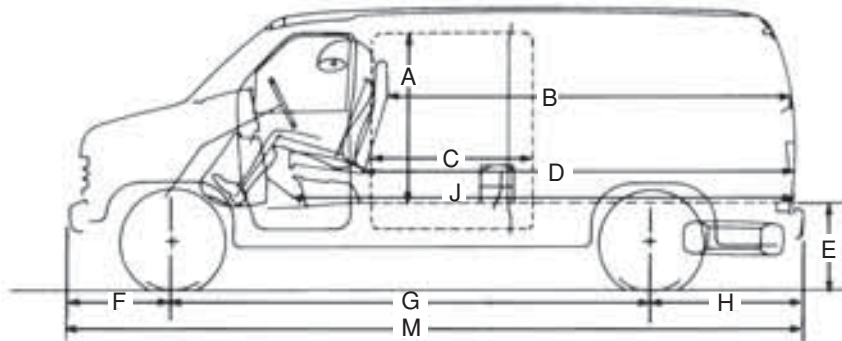


Sliding side cargo door (no-cost option)

2009 E-Series Van/Cutaway

E-SERIES VAN/CUTAWAY

Dimensions



BODY DIMENSIONS — E-150 Regular/Extended Van

Series		E-150	
		Van	Extended Van
Model			
Wheelbase (in.)		138	138
Code	Description	Inches	Inches
A	Door Opening Height at Floor	48.2	48.1
B	Cargo Length Front (at Belt)	114.3	134.3
C	Side Cargo Door Opening Width — Hinged/Sliding	44.8/45.6	44.8/45.6
D	Cargo Length @ Front (at Floor)	122.4	142.4
E	Load Height — (Curb)	28.0	28.6
F	Front Overhang	34.9	34.9
G	Wheelbase	138.0	138.0
H	Rear Overhang	43.8	63.8
J	Engine Cover to Rear	138.7	158.7
K	Cargo Width — Wheelhouses	52.5	52.5
M	Overall Length (Curb)	216.7	236.4
N	Overall Height — (Curb)	82.4	82.6
O	Rear Opening Width at Floor	53.9	53.9
P	Rear Opening Height	49.5	49.5
Q	Width at Floor	73.6	73.7
S	Front Track (Curb)	69.4	69.4
S	Rear Track (Curb)	66.6	66.6
T	Vehicle Width	79.4	79.4

NOTE: Front jacking point — located under the front radius arm rearward of the sloped section (use flat space provided).

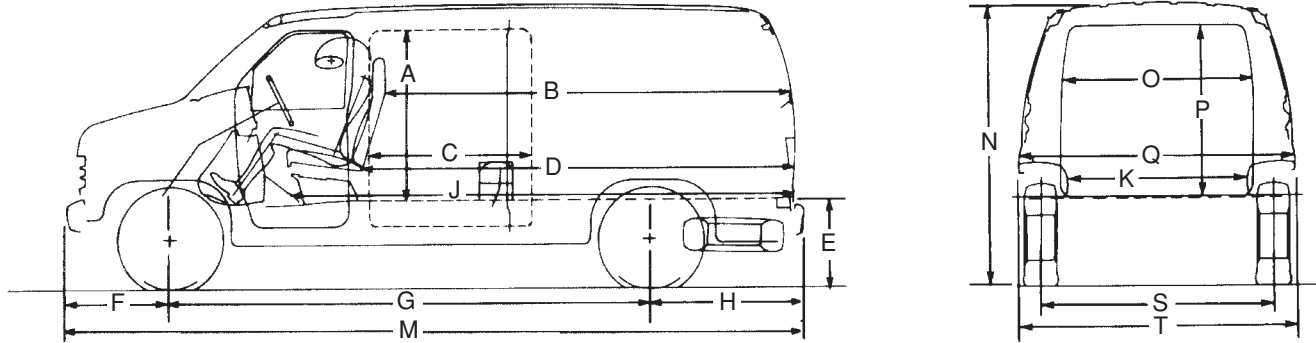
NOTE: Rear jacking point — located under rear axle between U-bolts.

CARGO VOLUME

Series	Model	Wheelbase (in.)	Door	Volume (cu. ft.)
				w/Driver/Passenger Seat
All	Regular Length	138	Hinged/Sliding	237.8
	Extended Length	138	Hinged/Sliding	278.3
Crew Van	Regular Length	138	Hinged/Sliding	146.4
	Extended Length	138	Hinged/Sliding	186.6

2009 E-Series Van/Cutaway

Dimensions cont'd



BODY DIMENSIONS — E-250/E-350 Regular & Extended Van

Series		E-250		E-350 SD	
Model		Van	Extended Van	Van	Extended Van
Wheelbase (in.)		138	138	138	138
Code	Description	Inches	Inches	Inches	Inches
A	Door Opening Height at Floor	48.2	48.1	48.2	48.1
B	Cargo Length Front (at Belt)	114.3	134.3	114.3	134.3
C	Side Cargo Door Opening Width — Hinged/Sliding	44.8/45.6	44.8/45.6	44.8/45.6	44.8/45.6
D	Cargo Length Front (at Floor)	122.4	142.4	122.4	142.4
E	Load Height — (Curb)	31.1	31.5	29.5	29.7
F	Front Overhang	34.9	34.9	34.9	34.9
G	Wheelbase	138.0	138.0	138.0	138.0
H	Rear Overhang	43.8	63.8	43.8	63.8
J	Engine Cover to Rear	138.7	158.7	138.7	158.7
K	Cargo Width — Wheelhouse	52.5	52.5	52.5	52.5
M	Overall Length (Curb)	216.7	236.4	216.7	236.4
N	Overall Height — (Curb)	84.8	85.0	83.7	83.6
O	Rear Opening Width at Floor	53.9	53.9	53.9	53.9
P	Rear Opening Height	49.5	49.5	49.5	49.5
Q	Width at Floor	73.7	73.7	73.7	73.7
S	Front Track (Curb)	69.4	69.4	69.4	69.4
S	Rear Track (Curb)	66.6	66.6	66.6	66.6
T	Vehicle Width	79.4	79.4	79.4	79.4

NOTE: Front jacking point — located under the front radius arm rearward of the sloped section (use flat space provided).

NOTE: Rear jacking point — located under rear axle between U-bolts.

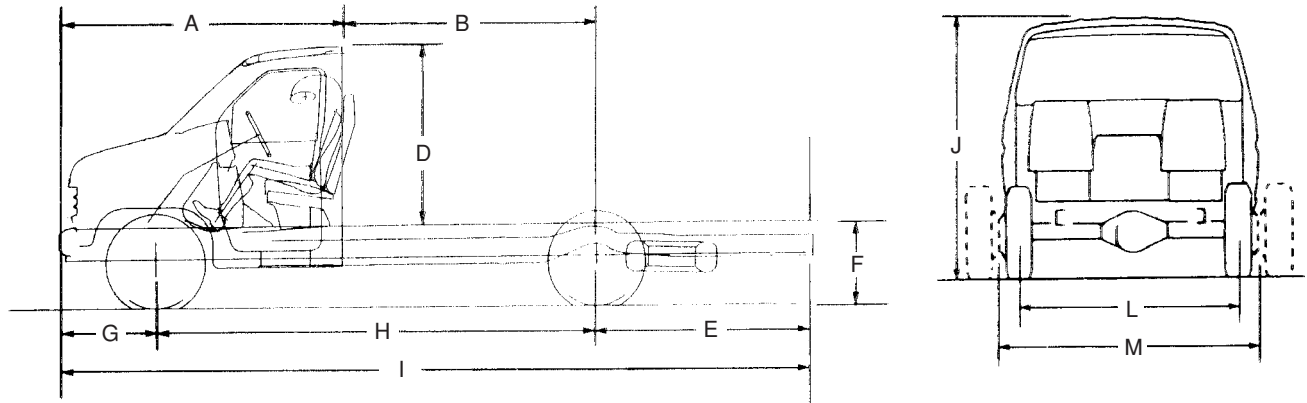
CARGO VOLUME

Series	Model	Wheelbase (in.)	Door	Volume (cu. ft.) w/Driver/Passenger Seat
All	Regular Length	138	Hinged/Sliding	237.8
All	Extended Length	138	Hinged/Sliding	278.3
Crew Van	Regular Length	138	Hinged/Sliding	146.4
Crew Van	Extended Length	138	Hinged/Sliding	186.6

2009 E-Series Van/Cutaway

E-SERIES VAN/CUTAWAY

Dimensions cont'd



BODY DIMENSIONS – E-250/E-350/E-450 Super Duty® Cutaway

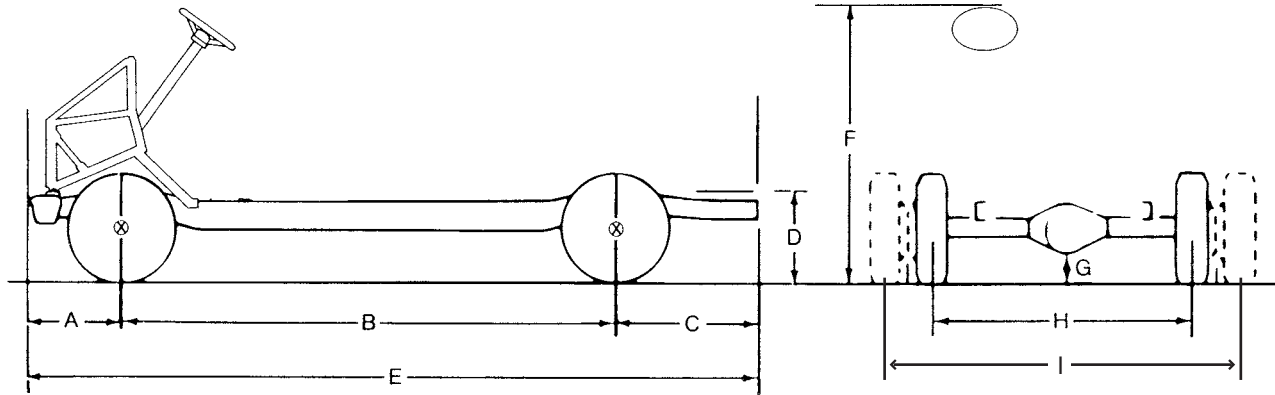
Series		E-250 Super Duty		E-350 Super Duty		E-450 Super Duty	
Model		Cutaway		Cutaway		Cutaway	
Wheelbase (in.)		138	138	158	176	158	176
		SRW	SRW/DRW	DRW	DRW	DRW	DRW
Code	Description	Inches	Inches	Inches	Inches	Inches	Inches
A	Cab Length	92.5	92.5	92.5	92.5	92.5	92.5
B	Cab Rear to Rear Axle	80.0	80.0	100.0	118.0	100.0	118.0
D	Top of Frame to Top of Cab	54.4	54.4	54.4	54.4	58.4	58.4
E	Rear Overhang	68.5	68.5	68.5	50.5	68.5	50.5
F	Load Height – (Loaded)	25.9	25.9/26.2	26.2	26.2	26.0	26.0
G	Bumper to Front Axle	34.6	34.6	34.6	34.6	34.6	34.6
H	Wheelbase	138.0	138.0	158.0	176.0	158.0	176.0
I	Overall Length	241.1	241.1	261.1	261.1	261.1	261.1
J	Cab Height – (Curb)	80.3	80.4/80.3	80.2	80.1	80.0	80.0
L	Front Track	69.4	69.4	69.4	69.4	69.4	69.4
M	Rear Track Dual – Rear	66.6	72.1/75.4	75.4	75.4	77.7	77.7

NOTE: Front jacking point – located under the front radius arm rearward of the sloped section (use flat space provided).

NOTE: Rear jacking point – located under rear axle between U-bolts.

2009 E-Series Van/Cutaway

Dimensions cont'd



BODY DIMENSIONS — E-350/E-450 Super Duty® Commercial Stripped Chassis

Model		Commercial Stripped Chassis			
Series		E-350 SD		E-350/E-450 SD	
Wheelbase (in.)		SRW	DRW	SRW	DRW
Code	Description	Inches	Inches	Inches	Inches
A	Frame to Front Axle	26.2	26.2	26.2	26.2
B	Wheelbase	138.0	138.0	158.0	176.0
C	Rear Overhang	68.5	68.5	68.5	68.5/50.5
D	Load Height — (Loaded)	25.9	26.2	25.9	26.2/26.0
E	Overall Length	232.7	232.7	252.7	252.7
F	Height at Top of Steering Wheel — (Loaded)	72.1	71.9	72.1	71.9/71.7
G	Axle Height Loaded	7.0	7.0	7.0	7.0
H	Front Track	69.4	69.4	69.4	69.4
I	Rear Track — (Single-Rear)	72.1	—	72.1	—
I	Rear Track — (Dual-Rear)	—	75.4	—	75.4/77.7

NOTE: Front jacking point—located under the front radius arm rearward of the sloped section (use flat space provided).

NOTE: Rear jacking point—located under rear axle between U-bolts.

2009 E-Series Van/Cutaway

Weight Ratings

E-SERIES VAN/CUTAWAY

GVWR/Payload/OPT & ARC/Spring & GAWR (Front Computer-selected)/with the exception of DRW E-350/E-450 Cutaway & Stripped Chassis/Base Curb Weight

Model	WB (in.)	Engine/Trans.	Maximum GVWR (lbs.)	Maximum Payload	OPT/ARC Weight (lbs.) ⁽¹⁾	Spring/GAWR (lbs.) ⁽²⁾		Base Curb Weight (lbs.)		
						Front Range Min.-Max.	Rear	Front	Rear	Total
E-150 Van (Reg./Rec./Crew)	138	4.6L/Auto	8520	3190	994	3700 - 3800	5120	2930	2338	5268
		5.4L/Auto	8600	3230	947	3700 - 3900	5120	2971	2343	5314
E-150 Extended Van	138	4.6L/Auto	8600	3120	838	3400 - 3700	5260	2852	2570	5422
		5.4L/Auto	8600	3080	794	3550 - 3700	5120	2889	2576	5465
E-250 Van (Reg./Rec./Crew)	138	4.6L/Auto	8900	3530	948	3700 - 3850	5520	2953	2360	5313
		5.4L/Auto	9000	3590	909	3800 - 3900	5520	2988	2364	5352
E-250 Extended Van	138	4.6L/Auto	8900	3400	822	3550 - 3700	5520	2860	2578	5438
		5.4L/Auto	9000	3460	778	3550 - 3700	5520	2897	2584	5481
E-250 Cutaway	138 SRW	4.6L/Auto	8600	4302	1475	3800	5360	2900	1398	4298
E-350 SD Van	138	5.4L/Auto	9500	4030	2070	3900 - 4200	6084	3025	2390	5415
		6.8L/Auto	9500	3820	1864	4050 - 4200	6084	3156	2463	5619
		6.0L/Auto	9500	3230	1273	4400 - 4600	6084	3648	2555	6203
	Aerial Bucket	5.4L/Auto	9500	4030	2070	4600	5400	3025	2390	5415
		6.8L/Auto	9500	3820	1864	4600	5400	3156	2463	5619
		6.0L/Auto	9500	3230	1273	4600	5400	3648	2555	6203
E-350 SD Extended Van	138	5.4L/Auto	9500	3880	1921	3700 - 4200	6084	2947	2615	5562
		6.8L/Auto	9500	3670	1711	3700 - 4200	6084	3077	2694	5770
		6.0L/Auto	9500	3080	1122	4200 - 4600	6084	3550	2802	6352
	Aerial Bucket	5.4L/Auto	9500	3880	1921	4600	5400	2947	2615	5562
		6.8L/Auto	9500	3670	1711	4600	5400	3077	2694	5770
		6.0L/Auto	9500	3080	1122	4600	5400	3550	2802	6352
E-350 SD Cutaway	138 SRW	5.4L/Auto	9600	4882	1860	4050 - 4200	6084	2937	1781	4718
		5.4L/Auto	9600	4878	3696	4050 - 4200	6084	2973	1750	4722
		6.8L/Auto	9600	4761	3577	4200	6084	3060	1780	4839
		6.0L/Auto	9900	4454	2693	4600	6084	3539	1907	5446
	138 DRW	5.4L/Auto	10000	5010	3425	3900	7800	2993	1997	4990
		6.8L/Auto	10000	4887	3301	4050	7800	3088	2025	5113
		6.0L/Auto	10000	4330	2737	4400	7800	3574	2096	5670
		5.4L/Auto	11500	6504	3419	4050 - 4600	7800	3002	1994	4996
	158 DRW	6.8L/Auto	11500	6387	3301	4200 - 4600	7800	3088	2025	5113
		6.0L/Auto	11500	5828	2735	4600	7800	3576	2096	5672
		5.4L/Auto	10000	4943	3357	3900	7800	2973	2085	5057
		6.8L/Auto	10000	4821	3234	4050	7800	3052	2128	5179
158 DRW	6.0L/Auto	10000	4259	2665	4400	7800	3564	2177	5741	
	5.4L/Auto	11500	6443	3357	4050 - 4600	7800	2973	2085	5057	
	6.8L/Auto	11500	6318	3231	4200 - 4600	7800	3053	2130	5182	
	6.0L/Auto	11500	57522	2658	4600	7800	3573	2175	5748	
	5.4L/Auto	12500	7442	3356	4600 - 5000	8500	2973	2133	5106	
	6.8L/Auto	12500	7317	3230	4600 - 5000	8500	3061	2170	5231	
	6.0L/Auto	12500	6736	2642	5000	8500	3533	2231	5764	

2009 E-Series Van/Cutaway

Weight Ratings cont'd

GVWR/Payload/OPT & ARC/Spring & GAWR (Front Computer-selected)/with the exception of DRW E-350/E-450 Cutaway & Stripped Chassis/Base Curb Weight cont'd

Model	WB (in.)	Engine/Trans.	Maximum GVWR (lbs.)	Maximum Payload	OPT/ARC Weight (lbs.) ⁽¹⁾	Spring/GAWR (lbs.) ⁽²⁾		Base Curb Weight (lbs.)			
						Front Range Min.-Max.	Rear	Front	Rear	Total	
E-350 SD Cutaway	176	5.4L/Auto	10000	4949	3363	3900	7800	3041	2010	5051	
	DRW	6.8L/Auto	10000	4829	3242	4050	7800	3143	2028	5171	
		6.0L/Auto	10000	4847	2654	4400	7800	3623	2130	5753	
		5.4L/Auto	12500	7449	3363	4600 - 5000	8500	3041	2010	5051	
		6.8L/Auto	12500	7329	3242	4600 - 5000	8500	3143	2028	5171	
		6.0L/Auto	12500	6647	2653	5000	8500	3623	2130	5753	
E-350 SD Stripped Chassis	138	5.4L/Auto	9000	4912	4538	3800	6084	2268	1820	4088	
	SRW	138	5.4L/Auto	10000	5645	4268	3900	7800	2276	2079	4355
		DRW	6.8L/Auto	10000	5486	4107	4050	7800	2403	2111	4514
	138	5.4L/Auto	11500	7145	4268	4200 - 4600	7800	2276	2079	4355	
		DRW	6.8L/Auto	11500	6986	4107	4400 - 4600	7800	2403	2111	4514
	158	5.4L/Auto	9600	5427	4452	3800 - 4200	6084	2376	1798	4173	
		SRW	158	5.4L/Auto	10000	5585	4207	3900	7800	2335	2081
	DRW	6.8L/Auto	10000	5433	4053	4050	7800	2458	2110	4567	
		5.4L/Auto	12500	8085	4207	4600 - 5000	8500	2335	2081	4415	
	DRW	6.8L/Auto	12500	7933	4053	4600 - 5000	8500	2458	2110	4567	
		176	5.4L/Auto	10000	5526	4147	3900	7800	2388	2086	4474
	DRW	6.8L/Auto	10000	5379	3998	4050	7800	2510	2111	4621	
		5.4L/Auto	12500	8026	4147	4600 - 5000	8500	2388	2086	4474	
	DRW	6.8L/Auto	12500	7879	3998	4600 - 5000	8500	2510	2111	4621	
		E-450 SD Cutaway	158	5.4L/Auto	14050	8668	4029	4600 - 5000	9500	2978	2404
DRW	6.8L/Auto		14500	8960	3869	5000	9500	3120	2420	5540	
	6.0L/Auto		13990	7916	3328	5000	9500	3556	2518	6074	
	6.0L/Auto		14500	8426	3328	5000	9500	3556	2518	6074	
176	5.4L/Auto		14050	8675	4036	4600 - 5000	9500	3035	2340	5375	
	DRW		6.8L/Auto	14500	8970	3879	5000	9500	3162	2368	5530
		6.0L/Auto	13990	7909	3321	5000	9500	3628	2453	6081	
DRW	6.0L/Auto	14500	8419	3321	5000	9500	3628	2453	6081		
	E-450 SD Stripped Chassis	158	5.4L/Auto	14050	9447	4817	4600 - 5000	9500	2359	2244	4603
DRW		6.8L/Auto	14500	9747	4665	5000	9500	2483	2270	4753	
		176	5.4L/Auto	14050	9395	4765	4600 - 5000	9500	2393	2262	4655
DRW	6.8L/Auto	14500	9694	4612	5000	9500	2518	2288	4806		

(1) OPT/ARC Weight is the maximum allowable weight for regular production options (OPT) and aftermarket equipment (Accessory Reserve Capacity) for models with standard equipment and the engine/transmission combination indicated.

(2) Gross Axle Weight Rating is determined by the rated capacity of the minimum component of the axle system (axle, computer-selected springs, wheels, tires) of a specific vehicle. Front and rear GAWRs will, in all cases, sum to a number equal to or greater than the GVWR for the particular vehicle. Maximum loaded vehicle (including passengers, equipment and payload) cannot exceed the GVWR or GAWR (front or rear).

NOTE: Refer to pages 43-50 for Standard Powertrain/Chassis Equipment Specifications. Refer to Option/Payload Worksheet on pages 3-18-3-19 of the Payload Workbook Appendix for optional equipment weights.

2009 E-Series Van/Cutaway

E-SERIES VAN/CUTAWAY

Standard Powertrain/Chassis Equipment Specifications

E-150 Regular and Extended Van

WHEELBASE:		138"	138"	138"
PAYLOAD PACKAGE:		#1-STD.	#2-OPT. (RV) ⁽¹⁾	#2-OPT. (Crew) ⁽²⁾
POWERTRAIN:				
Engine	— Application	Refer to Preferred Equipment Packages for 50 States Usage		
	— Type	4.6L SEFI V8		
Transmission	— Type	4-Speed Auto OD (4R75E)		
AXLES:				
Front Axle	— Type	Twin I-Beam IFS		
	— Capacity (Rating @ Ground)	5000 lbs.		
Rear Axle	— Type	Semi-Floating, Dana 9.75"		
	— Capacity (Rating @ Ground)	5520 lbs.		
BRAKES:				
Front Disc	— Type	Dual Piston Caliper (2.36" Diameter Piston)		
	— Size	13.58" Diameter Rotor		
Rear Disc	— Type	Dual Piston Caliper (1.89" Diameter Piston)		
	— Size	13.58" Diameter Rotor		
Power Assist Unit	— Boost Ratio	7.5:1		
	— Effective Diameter	13.46"		
Anti-Lock System	— System	Four Wheel		
Parking Brake	— Rear Brakes	Foot Operated, Push to Apply/Pull Release Lever to Disengage		
ELECTRICAL:				
Alternator	— Rating	6G135 - 120 Amperes, 1620 Watt ⁽³⁾		
Battery	— Type	Maintenance-Free		
	— Rating	72 Amp.-hr., 650 CCA		
FUEL TANK:				
	— Capacity	35-Gallon Midship		
	— Auxiliary Fuel Port	4.6L N/A (5.4L Opt.)		
JACK:				
	— Capacity	2.0 Ton		
STEERING:				
	— Type	Power, Ford XR-50		
	— Ratio	17.0:1		
SUSPENSION:				
Frame	— Type	Single Channel, 5-Crossmembers 36,000 psi Steel		
	— Section Modulus	3.30 cu. in.		
Springs, Front	— Type	Coil, Computer-Selected		
	— Rating @ Ground (min.)	3550 lbs.		
Springs, Rear	— Type	Multi-Leaf, Two-Stage		
	— Rating @ Ground (min.)	5120 lbs.		
Shock Absorbers	— Gas-Type	35mm		
Stabilizer Bar	— Front—Diameter	25.4mm		
TIRES:				
	— Type	Five, BSW, Steel-Belted Radial, All-Season		
	— Size	LT225/75R×16E BSW A/S		
	— Spare Tire Carrier	Frame Mounted at Rear with Cable Retention		
WHEELS:				
	— Type & Size	Five, 8-Hole Disc, 16" x 7" J Steel		

(1) Available on Recreational Van only.

(2) Available on Crew Van only.

(3) Rated current (@6000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature and application dependent.

NOTE: Refer to the latest Dealer Ordering Guide for feature/product availability.

2009 E-Series Van/Cutaway

Standard Powertrain/Chassis Equipment Specifications cont'd

E-250 Regular and Extended Van

SERIES:		Regular Van	Extended Van
WHEELBASE:		138"	138"
PAYLOAD PACKAGE:		#1-STD.	#1-OPT. (CREW) ⁽¹⁾
POWERTRAIN:		Refer to Preferred Equipment Packages for States Usage	
Engine	— Type	4.6L SEFI V8	
Transmission	— Type	4-Speed Auto OD (4R75E)	
AXLES:			
Front Axle	— Type	Twin I-Beam IFS	
	— Capacity (Rating @ Ground)	5000 lbs.	
Rear Axle	— Type	Semi-Floating, Dana 9.75"	
	— Capacity (Rating @ Ground)	5520 lbs.	
BRAKES:			
Front Disc	— Type	Dual Piston Caliper (2.36" Diameter Piston)	
	— Size	13.58" Diameter Rotor	
Rear Disc	— Type	Dual Piston Caliper (1.89" Diameter Piston)	
	— Size	13.58" Diameter Rotor	
Power-Assist Unit	— Boost Ratio	7.5:1	
	— Effective Diameter	13.46"	
Anti-Lock System	—	Four Wheel	
Parking Brake	— Rear Brakes	Foot Operated, Push to Apply/Pull Release Lever to Disengage	
ELECTRICAL:			
Alternator	— Rating	6G135 - 120 Amperes, 1620 Watt ⁽²⁾	
Battery	— Type	Maintenance-Free	
	— Rating	72 Amp.-hr., 650 CCA	
FUEL TANK:			
	— Capacity	35-Gallon, Midship	
	— Auxiliary Fuel Port	4.6L N/A (5.4L Opt.)	
JACK:			
	— Capacity	2.0 Ton	
STEERING:			
	— Type	Power, Ford XR-50	
	— Ratio	17.0:1	
SUSPENSION:			
Frame	— Type	Single Channel, 5 Crossmembers (6 with Super Van), 36,000 psi Steel	
	— Section Modulus	3.30 cu. in.	
Springs, Front	— Type	Coil, Computer-Selected	
	— Rating @ Ground (min.)	3550 lbs.	
Springs, Rear	— Type	Multi-Leaf, Two-Stage	
	— Rating @ Ground (min.)	5545 lbs.	
Shock Absorbers	— Gas-Type	35mm	
Stabilizer Bar	— Front—Diameter	25.4mm	
TIRES:			
	— Type	Five, BSW, Steel-Belted Radial, All-Season	
	— Size	LT245/75Rx16E	
	— Spare Tire Carrier	Frame Mounted at Rear with Cable Retention	
WHEELS:			
	— Type & Size	Five, 8-Hole Disc, 16" x 7.0" K Steel	

(1) Available for Crew Van only.

(2) Rated current (@6000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature and application dependent.

NOTE: Refer to the latest Dealer Ordering Guide for feature/product availability.

2009 E-Series Van/Cutaway

E-SERIES VAN/CUTAWAY

Standard Powertrain/Chassis Equipment Specifications cont'd

E-250 Cutaway

REAR WHEELS:		SRW
WHEELBASE:		138"
POWERTRAIN:	— Application	Refer to Preferred Equipment Packages for 50 States Usage
Engine	— Type	4.6L SEFI V8
Transmission	— Type	4-Speed Auto OD (4R75E)
AXLES:		
Front Axle	— Type	Twin I-Beam IFS
	— Capacity (Rating @ Ground)	5000 lbs.
Rear Axle	— Type	Semi-Floating, Dana 9.75"
	— Capacity (Rating @ Ground)	5520 lbs.
BRAKES:		
Front Disc	— Type	Dual Piston Caliper (2.36" Diameter Piston)
	— Size	13.58" Diameter Rotor
Rear Disc	— Type	Dual Piston Caliper (1.89" Diameter Piston)
	— Size	13.58" Diameter Rotor
Power-Assist Unit	— Type	Dual Diaphragm
	— Boost Ratio	7.5:1
Anti-Lock System	—	Four Wheel
Parking Brake	— Rear Brakes	Foot Operated, Push to Apply/Pull Release Lever to Disengage
ELECTRICAL:		
Alternator	— Rating	6G135 - 120 Amperes, 1620 Watt ⁽¹⁾
Battery	— Type	Maintenance-Free
	— Rating	72 Amp.-hr., 650 CCA
FUEL TANK:	— Capacity	35-Gallon, Midship
	— Auxiliary Fuel Port	4.6L N/A
JACK:	— Capacity	2.0 Ton
STEERING:	— Type	Power, Ford XR-50
	— Ratio	17.0:1
SUSPENSION:		
Frame	— Type	Single Channel, 5 Crossmembers, 36,000 psi Steel
	— Section Modulus	3.30 cu. in.
Springs, Front	— Type	Coil, Computer-Selected
	— Rating @ Ground (min.)	3800 lbs.
Springs, Rear	— Type	Multi-Leaf, Two-Stage
	— Rating @ Ground (min.)	5545 lbs.
Shock Absorbers	— Gas-Type	35mm
Stabilizer Bar	— Front—Diameter	25.4mm
TIRES:	— Type	Four, BSW, Steel-Belted Radial, All-Season
	— Size	LT225/75R16E
WHEELS:	— Type & Size	Five, 8-Hole Disc, 16" x 7.0" K Steel

(1) Rated current (@6000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature and application dependent.

NOTE: Refer to the latest Dealer Ordering Guide for feature/product availability.

2009 E-Series Van/Cutaway

Standard Powertrain/Chassis Equipment Specifications cont'd

E-350 Super Duty® Regular and Extended Van

SERIES:		Regular Van	Extended Van		
WHEELBASE:		138"	138"		
PAYLOAD PACKAGE:		#1-STD. ⁽¹⁾	#1-OPT. (CREW) ⁽²⁾	#1-STD. ⁽¹⁾	#1-OPT. (CREW) ⁽²⁾
POWERTRAIN:					
Engine	— Application	Refer to Preferred Equipment Packages for 50 States Usage			
	— Type	5.4L SEFI V8			6.0L V8
Transmission	— Type	4-Speed Auto OD (4R75E)			TorqShift®
AXLES:					
Front Axle	— Type	Twin I-Beam IFS			
	— Capacity (Rating @ Ground)	5000 lbs.			
Rear Axle	— Type	Semi-Floating, Dana 9.75" HD			
	— Capacity (Rating @ Ground)	6340 lbs.			
BRAKES:					
Front Disc	— Type	Dual Piston Caliper (2.36" Diameter Piston)			
	— Size	13.58" Diameter Rotor			
Rear Disc	— Type	Dual Piston Caliper (1.89" Diameter Piston)			
	— Size	13.58" Diameter Rotor			
Power-Assist Unit	— Type	Dual Diaphragm			
	— Boost Ratio	7.5:1			
Anti-Lock System		Four Wheel			
Parking Brake	— Rear Brakes	Foot Operated, Push to Apply/Pull Release Lever to Disengage			
ELECTRICAL:					
Alternator	— Rating	6G135 - 120 Amperes, 1620 Watt ⁽³⁾ - Gasoline SC2 - 155 Amperes, 2090 Watt ⁽³⁾ - Gasoline optional SC4 - 195 Amperes, 2630 Watt ⁽³⁾ - Gasoline 6.8L only 6GIF - 110 Amperes, 1485 Watt ⁽³⁾ - Diesel VR42 - 140 Amperes, 1890 Watt ⁽³⁾ - Diesel optional VR42 + 4GHO - 360 Amperes, 3510 Watt ⁽³⁾ - Diesel dual alternators optional			
Battery	— Type	Maintenance-Free			
	— Rating	72 Amp.-hr., 650 CCA			
FUEL TANK:	— Capacity	35-Gallon Midship			
JACK:	— Capacity	2.0 Ton			
STEERING:	— Type	Power, Ford XR-50			
	— Ratio	17.0:1			
SUSPENSION:					
Frame	— Type	Single Channel, 5-Crossmembers 36,000 psi Steel	Single Channel, 6-Crossmembers 36,000 psi Steel		
	— Section Modulus	5.44 cu. in.			
Springs, Front	— Type	Coil, Computer-Selected			
	— Rating @ Ground (min.)	3100 lbs.	3250 lbs.	3100 lbs.	3250 lbs.
Springs, Rear	— Type	Multi-Leaf, Two-Stage			
	— Rating @ Ground (min.)	6195 lbs.			
Shock Absorbers	— Gas-Type	35mm			
Stabilizer Bar	— Front—Diameter	25.4mm			
TIRES:	— Type	Five, BSW, Steel-Belted Radial, All-Season			
	— Size	LT245/75R16E			
	— Spare Tire Carrier	Frame Mounted at Rear with Cable Retention			
WHEELS:	— Type & Size	Five, 8-Hole Disc, 16" x 7.0" K Steel			

(1) Includes standard Class I Trailer Towing Package which includes 4-Pin trailer wiring harness. Also, these models are available for Recreational Van.

(2) Available on Crew Van only.

(3) Rated current (@ 6000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature and application dependent.

NOTE: Refer to the latest Dealer Ordering Guide for feature/product availability

2009 E-Series Van/Cutaway

E-SERIES VAN/CUTAWAY

Standard Powertrain/Chassis Equipment Specifications cont'd

E-350 Super Duty® Cutaway

REAR WHEELS:		SRW	DRW	DRW	DRW	DRW
WHEELBASE:		138"	138"	158"	176"	138"
PAYLOAD PACKAGE:						#1 - (School Bus) ⁽¹⁾
POWERTRAIN:						
Engine	— Application	Refer to Preferred Equipment Packages for 50 States Usage				
	— Type	5.4L SEFI V8				6.0L V8
Transmission	— Type	5-Speed Auto OD (TorqShift®)				
AXLES:						
Front Axle	— Type	Twin I-Beam IFS				
	— Capacity (Rating @ Ground)	5000 lbs.				
Rear Axle	— Type	Full-Floating, Dana 10.5"				
	— Capacity (Rating @ Ground)	7800 lbs.	8500 lbs.			
BRAKES:						
Front Disc	— Type	Dual Piston Caliper (2.36" Diameter Piston)				
	— Size	13.58" Diameter Rotor				
Rear Disc	— Type	Dual Piston Caliper (1.89" Diameter Piston)				
	— Size	13.58" Diameter Rotor				
Power-Assist Unit	— Type	Hydro-Boost				
	— Boost Ratio	13.46"	7.5:1 (SRW), 6.76:1 (DRW)			
Anti-Lock System	— Type	Dual Diaphragm (SRW), Hydro-Boost (DRW)				
Parking Brake	— Transmission Mounted Drum	Foot Operated, Push to Apply/Pull Release Lever to Disengage				
ELECTRICAL:						
Alternator	— Rating	6G135 - 120 Amperes, 1620 Watt ⁽²⁾ - Gasoline SC2 - 155 Amperes, 2090 Watt ⁽²⁾ - Gasoline optional SC4 - 195 Amperes, 2630 Watt ⁽²⁾ - Gasoline 6.8L only 6G1F - 110 Amperes, 1485 Watt ⁽²⁾ - Diesel VR42 - 140 Amperes, 1890 Watt ⁽²⁾ - Diesel optional VR42 + 4GHO - 360 Amperes, 3510 Watt ⁽²⁾ - Diesel dual alternators optional				
Battery	— Type	Maintenance-Free				
	— Rating	72 Amp.-Hr., 650 CCA				78 Amp.-Hr., 750 CCA ⁽²⁾
Kit	—	Modified Vehicle Wiring				
FUEL TANK:	— Capacity ⁽³⁾	40-Gallon Aft-Of-Rear-Axle				
JACK:	— Capacity	4.0 Ton				
STEERING:	— Type	Power, Ford XR-50 H.D. Gear				
	— Ratio	17.0:1				
SUSPENSION:						
Frame	— Type	Single Channel, 6-Crossmembers, 36,000 psi Steel (Includes 2 Lateral Spacers, 4 Longitudinal Spacers and 12 Body Mounts with 138", 158" WB. Or, 4 Lateral Spacers, 2 Longitudinal Spacers and 12 Body Mounts with 176" WB.)				
	— Section Modulus	5.73 cu. in.				
Springs, Front	— Type	Coil, Computer-Selected				
	— Rating @ Ground (min.)	3199 lbs.	3100 lbs.	3100 lbs.	4050 lbs.	
Springs, Rear	— Type	Multi-Leaf, Single Stage				
	— Rating @ Ground (min.)	7810 lbs.	8600 lbs.			
Shock Absorbers	— Gas-Type	35mm				
Stabilizer Bar	— Front/Rear—Diameter	Front 23mm	Rear 28.6mm			
TIRES:						
	— Type	Four, BSW, Truck-Type Steel-Belted Radial, All-Season (Six with DRW)				
	— Size	LT245/ 75Rx16E	LT225/ 75Rx16E			
WHEELS:	— Type & Size	Four, 8-Hole Disc, 16" x 7.0" K Steel (Six, 16" x 6.0" K with DRW)				

(1) Available on School Bus Body Builder Prep Package only.

(2) Rated current (@6000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature and application dependent.

(3) Also includes 7.5-gallon plastic transit fuel tank (may be deleted), Auxiliary Fuel Port and Fuel System Conversion Kit.

NOTE: Refer to the latest Dealer Ordering Guide for feature/product availability.

2009 E-Series Van/Cutaway

Standard Powertrain/Chassis Equipment Specifications cont'd

E-350 Super Duty® Commercial Stripped Chassis

REAR WHEELS:		SRW	SRW	DRW	DRW	DRW	DRW	DRW
WHEELBASE:		138"	158"	138"	158"	176"	158"	176"
POWERTRAIN:								
Engine	— Application	Refer to Preferred Equipment Packages for 50 States Usage						
	— Type	5.4L SEFI V8						
Transmission	— Type	5-Speed Auto OD (TorqShift®)						
AXLES:								
Front Axle	— Type	Twin I-beam IFS						
	— Capacity (Rating @ Ground)	5000 lbs.						
Rear Axle	— Type	Semi-floating Dana Full floating Dana 10.5"						
	— Capacity (Rating @ Ground)	9.75" 6340 lbs. 6340 lbs. 8500 lbs. 7800 lbs.						
BRAKES:								
Front Disc	— Type	Dual Piston Caliper (2.36" Diameter Piston)						
	— Size	13.58" Diameter Rotor						
Rear Disc	— Type	Dual Piston Caliper (1.89" Diameter Piston)						
	— Size	13.58" Diameter Rotor						
Power-Assist Unit	— Boost Ratio	Dual Diaphragm 7.5:1 (SRW), 6.76:1 (DRW)						
	— Effective Diameter	13.46"						
Anti-Lock System		Four Wheel						
Parking Brake	— Rear Brakes	Foot Operated, Push to Apply/Pull Release Lever to Disengage						
ELECTRICAL:								
Alternator	— Rating	6G135 - 120 Amperes, 1620 Watt ⁽¹⁾ SC2 - 155 Amperes, 2090 Watt ⁽¹⁾ - optional						
Battery	— Type	Maintenance-Free						
	— Rating	72 Amp.-hr., 650 CCA						
Kit	—	Modified Vehicle Wiring						
FUEL TANK:	— Capacity	40-Gallon Aft-Of-Rear-Axle						
STEERING:	— Type	Power, Ford XR-50 H.D. Gear						
	— Ratio	17.0:1						
SUSPENSION:								
Frame	— Type	Single Channel, 6 Crossmembers, 36,000 psi Steel						
	— Section Modulus	5.73 cu. in.						
Springs, Front	— Type	Coil, Computer-Selected						
	— Rating @ Ground (min.)	3550 lbs. 3100 lbs. 3550 lbs. 3800 lbs. 4050 lbs.						
Springs, Rear	— Type	Multi-Leaf, Single Stage						
	— Rating @ Ground (min.)	7810 lbs. SRW 8600 lbs. DRW						
Shock Absorbers	— Gas-Type	35mm						
Stabilizer Bar	— Front — Diameter	23mm 23mm						
	— Rear — Diameter	28.6mm						
TIRES:	— Type	BSW, Truck-Type Steel-Belted Radial, All-Season						
	— Size	Four, Six, LT225/75Rx16E ⁽²⁾ LT245/75Rx16E ⁽²⁾						
	— Spare tire carrier	None						
WHEELS:	— Type & Size	Four, 8-Hole Disc, Six, 8-Hole Disc, 16" x 6.0" K Steel ⁽²⁾ 16" x 7.0" K Steel ⁽²⁾						

(1) Rated current (@6000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature and application dependent.

(2) Spare tire and wheel are shipped temporarily mounted to the top of the frame.

NOTE: Refer to the latest Dealer Ordering Guide for feature/product availability.

2009 E-Series Van/Cutaway

E-SERIES VAN/CUTAWAY

Standard Powertrain/Chassis Equipment Specifications cont'd

E-450 Super Duty® Commercial Stripped Chassis

SERIES:	E-450 Super Duty	
REAR WHEELS:	DRW	DRW
WHEELBASE:	158"	176"
POWERTRAIN:		
Engine	— Application	Refer to Preferred Equipment Packages for 50 States Usage
	— Type	5.4L SEFI V8
Transmission	— Type	5-Speed Auto OD (TorqShift®)
AXLES:		
Front Axle	— Type	Twin I-beam IFS
	— Capacity (Rating @ Ground)	5000 lbs.
Rear Axle	— Type	Full-Floating Dana 10.75" HD
	— Capacity (Rating @ Ground)	9500 lbs.
BRAKES:		
Front Disc	— Type	Dual Piston Caliper (2.36" Diameter Piston)
	— Size	13.58" Diameter Rotor
Rear Disc	— Type	Dual Piston Caliper (2.12" Diameter Piston)
	— Size	13.58" Diameter Rotor
Power-Assist Unit	— Type	Hydro-Boost
	— Boost Ratio	6.76:1
Anti-Lock System	Four Wheel	
Parking Brake	— Rear Brakes	Foot Operated, Push to Apply/Pull Release Lever to Disengage
ELECTRICAL:		
Alternator	— Rating	6G135 - 120 Amperes, 1620 Watt ⁽¹⁾ SC2 - 155 Amperes, 2090 Watt ⁽¹⁾ - optional
Battery	— Type	Maintenance-Free
	— Rating	72 Amp.-hr., 650 CCA
Kit	—	Modified Vehicle Wiring
FUEL TANK:	— Capacity	55-Gallon
STEERING:	— Type	Power, Ford XR-50 H.D. Gear
	— Ratio	17.0:1
SUSPENSION:		
Frame	— Type	Single Channel, 6 Crossmembers, 36,000 psi Steel
	— Section Modulus	5.730 cu. in.
Springs, Front	— Type	Coil, Computer-Selected
	— Rating @ Ground (min.)	5000 lbs.
Springs, Rear	— Type	Multi-Leaf, Single Stage
	— Rating @ Ground (min.)	9500 lbs.
Shock Absorbers	— Gas-Type	35mm
Stabilizer Bar	— Front — Diameter	21mm
TIRES:	— Type	BSW, Truck-Type Steel-Belted Radial, All-Season
	— Size	Seven, LT225/75Rx16E
	— Spare tire carrier	None.
WHEELS:	— Type & Size	Six, 8-Hole Disc, 16" x 6.0" K Steel ⁽²⁾

(1) Rated current (@6000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature and application dependent.

(2) Spare tire and wheel are shipped temporarily mounted to the top of the frame.

NOTE: Refer to the latest Dealer Ordering Guide for feature/product availability.

2009 E-Series Van/Cutaway

Standard Powertrain/Chassis Equipment Specifications cont'd

E-450 Super Duty® Cutaway

REAR WHEELS:		DRW	DRW
WHEELBASE:		158"	176"
POWERTRAIN:			
Engine	— Application	Refer to Dealer Ordering Guide For Application Information	
	— Type	6.8L SEFI V10	
Transmission	— Type	5-Speed Auto OD (TorqShift®)	
AXLES:			
Front Axle	— Type	Twin I-Beam IFS	
	— Capacity (Rating @ Ground)	4600 lbs.	
Rear Axle	— Type	Full-Floating Dana 10.75" HD	
	— Capacity (Rating @ Ground)	9450 lbs.	
BRAKES:			
Front Disc	— Type	Dual Piston Caliper (2.36" Diameter Piston)	
	— Size	13.58" Diameter Rotor	
Rear Disc	— Type	Dual Piston Caliper (2.12" Diameter Piston)	
	— Size	13.58" Diameter Rotor	
Power-Assist Unit	— Boost Ratio	Hydro-Boost, 6.76:1	
Anti-Lock System		Four Wheel	
Parking Brake	— Transmission Mounted Drum	Foot Operated, Push to Apply/Pull Release Lever to Disengage	
ELECTRICAL:			
Alternator	— Rating	6G135 - 120 Amperes, 1620 Watt ⁽¹⁾ SC2 - 155 Amperes, 2090 Watt ⁽¹⁾ - optional SC4 - 195 Amperes, 2630 Watt ⁽¹⁾ - optional	
Battery	— Type	Maintenance-Free	
	— Rating	72 Amp.-Hr., 650 CCA	
Kit		Modified Vehicle Wiring	
FUEL TANK:	— Capacity ⁽²⁾	55-Gallon Aft-Of-Rear-Axle	
STEERING:	— Type	Power, Ford XR-50 H.D. Gear	
	— Ratio	17.0:1	
SUSPENSION:			
Frame	— Type	Single Channel, 6 Crossmembers, 36,000 psi Steel	
	— Section Modulus	6.40 cu. in.	
Springs, Front	— Type	Coil	
	— Rating @ Ground (min.)	4600 lbs.	
Springs, Rear	— Type	Multi-Leaf, Single-Stage	
	— Rating @ Ground (min.)	9500 lbs.	
Shock Absorbers	— Gas-Type	35mm	
Stabilizer Bar	— Front—Diameter	23mm	
Stabilizer Bar	— Rear—Diameter (DRW only)	28.6mm	
TIRES:	— Type	Six BSW, Truck-Type Steel-Belted Radial, All-Season	
	— Size	LT225/75R16E	
WHEELS:	— Type & Size	Six, 8-Hole Disc, 16" x 6.0" K Steel	

(1) Rated current (@6000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature and application dependent.

(2) Also includes 7.5-gallon plastic transit fuel tank (may be deleted), Auxiliary Fuel Port and Fuel System Conversion Kit.

NOTE: Refer to the latest Dealer Ordering Guide for feature/product availability.

2009 E-Series Van/Cutaway

Technical Specifications

E-SERIES VAN/CUTAWAY

Axles

FRONT AXLE SPECIFICATIONS

Model/Series	E-150/E-250/E-350 SD/E-450 SD	
Max. Rating @ Ground (lbs.)	5000	
Type	Twin-I-Beam Spindle with Ball Joints	
Axle	— Material	Nodular Cast Iron
	— Spring Centers (in.)	47.0
Radius Arms	— No.	2
	— Material	High-Strength Low-Alloy Steel
Ball Joint	—	Lubed-for-Life Ball Joints
Spindle	— Material	Nodular Cast Iron Body with Forged Steel Stem
Wheel Bearings	— Type	Tapered Roller

REAR AXLE SPECIFICATIONS

Model/Series	E-150	E-250	E-350 SD	E-350 SD Extended	E-450 SD
Make	Dana 9.75"		Dana 9.75" HD	Dana 10.5"	Dana 10.75" HD
Rating @ Ground (lbs.)	5520		6340	7800/8500	9500
Type	Semi-Floating		Full-Floating		
Driveline Attachment	4.25" Circular Flange			4.75" Circular Flange	
Housing	— Type	Cast Center			
	— Cover Attachment	Bolted			
Section	— Tube Diameter (in.)	3.50		4.00	
	— Thickness (in.)	0.33		0.39/0.56	0.625
Lubricant Capacity (pt.)	6.25		6.6		8.25
Spring Centers (in.)	48.92				
Wheel Bearings	— Type	Straight Roller		Tapered Roller, 2 opposed	
Gears	— Type	Hypoid			
	— Material	Alloy Steel			
Ring Gear	— Pitch Diameter (in.)	9.75		10.50	10.75
	— Mounting	Overhung			
Differential	— Type	2-Pinion		2-Pinion	
	— L/S Type	Traction-Lok		Traction-Lok	Traction-Lok
Axle Shaft	— Spline Minor Dia. (in.)	1.36		1.268	1.268
	— Spline - Major Dia. (in.)	1.45		1.375	1.375
	— Number Of Splines	35		32	35

(1) 4-pinion for Limited-slip.

Brakes

HYDRAULIC BRAKE EQUIPMENT SPECIFICATIONS — FRONT/REAR

Type	Model/Series	Rotor Dia (in.)		Brake Lining Segment	Area (sq. in.)/ Width (in.)/ Thickness (in.)	Caliper Piston Dia (in.)	Gross Lining Area Per Axle (sq. in.)	Total Swept Area Per Axle (sq. in.)
		OD	ID					
Disc	All (Front)	13.58	9.06	Outboard	7.16/2.34/0.489	2.36	49.60	270.40
				Inboard				
	E-450 (Rear)	13.58	8.07	Outboard	6.65/2.33/0.512	2.12	65.40	299.00
				Inboard				
	E-350 (Rear)	13.58	8.07	Outboard	6.65/2.33/0.346	1.89	65.40	299.00
				Inboard	5.31/2.03/0.413			

2009 E-Series Van/Cutaway

Technical Specifications cont'd

Brakes cont'd

BRAKE MASTER CYLINDER SPECIFICATIONS

Type	Model/Series	Bore Diameter (in.)
Dual System, Dash-Mounted	E-150/E-250/E-350 SRW	1.3125
	E-350 SD/E-450 SD DRW	1.375

POWER BRAKES VACUUM BOOSTER SPECIFICATIONS

Type	Model/Series	Ratio	Diaphragm Type
Bendix, Dash-Mounted	E-150/E-250/E-350 SD (SRW)	7.5:1	Dual

POWER BRAKES HYDRAULIC BOOSTER SPECIFICATIONS

Type	Model/Series	Ratio
Hydro-Boost	E-350 DRW/E-450 SD	6.76:1

Cooling Systems

COOLING SYSTEM SPECIFICATION

Engine	Cooling	Trans. Usage	Core Size (in.)				Rows of Tubes	Fins Per Inch	Cooling System Capacity (approx. quarts)	Fan Specifications		
			Frontal Area (sq. in.)	Height	Width	Thick.				Type	No. of Blades	Blade Dia. (in.)
4.6L SEFI V8	All	Auto.	708	23.6	30.0	1	1	15.2	25.0	Plastic	10	19.4
5.4L SEFI V8	All	Auto.	708	23.6	30.0	1	1	15.2	28.3	Plastic	10	19.4
6.8L SEFI V10	All	Auto.	708	23.6	30.0	1.4	1	16.5	30.4	Plastic	8	20.0
6.0L V8 Diesel	All	Auto.	611	23.6	25.9	1.4	1	19.0	21.8	Plastic	9	23.0

AUXILIARY AUTOMATIC TRANSMISSION OIL COOLER APPLICATIONS

Model/Series	Engine	Transmission	Standard No. of Plates	Air Conditioning No. of Plates	Trailer Towing No. of Plates
E-150/250	4.6L SEFI V8	4R75E	20 - 5/16" Ports	20 - 5/16" Ports	20 - 5/16" Ports
	5.4L SEFI V8	4R75E	20 - 1/2" Ports	20 - 1/2" Ports	20 - 1/2" Ports
E-250/350/450 SD ⁽¹⁾	5.4L SEFI V8	TorqShift®	20 - 1/2" Ports	20 - 1/2" Ports	24 - 1/2" Ports
	6.8L SEFI V10	TorqShift	20 - 1/2" Ports	20 - 1/2" Ports	24 - 1/2" Ports
	6.0L V8 Diesel	TorqShift	20 - 1/2" Ports	20 - 1/2" Ports	20 - 1/2" Ports

(1) E-250 over 8500 lbs. GVWR.

2009 E-Series Van/Cutaway

E-SERIES VAN/CUTAWAY

Technical Specifications cont'd

Fuel System

FUEL SYSTEM DATA

Electronic Fuel Injection	4.6L SEFI V8	Sequential Multiport Fuel Injection
	5.4L SEFI V8	Sequential Multiport Fuel Injection
	6.8L SEFI V10	Sequential Multiport Fuel Injection
	6.0L V8 Diesel	Hydraulic Electronic Unit Injection
Fuel Pump	All Gasoline Engines	Electric-In-Tank High Pressure
Fuel Filter	All Gasoline Engines	In-Line Large Capacity (One)
	6.0L V8 Diesel	Full-Flow, Disposable Plus In-Line Water Separator
Air Cleaner	All Engines	Dry Element, Replaceable

Steering

STEERING SPECIFICATIONS

Model/Series	Wheelbase (in.)	Power Steering ⁽¹⁾		Turning Diameter (ft.) ⁽²⁾	
		Gear Ratio	Overall Ratio	Curb-to-Curb	Wall-to-Wall
E-150	138	17:1	21.2:1	48.6	50.1
E-250	138	17:1	21.2:1	48.6	50.1
E-350 SD SRW	138	17:1	21.2:1	48.6	50.0/50.0 ⁽³⁾
E-350 SD DRW	138	17:1	21.2:1	48.6	50.0/50.1 ⁽³⁾
E-350 SD SRW	158	17:1	21.2:1	54.9	56.2 ⁽³⁾
E-350 SD DRW/	158	17:1	21.2:1	54.8	56.2 ⁽³⁾
E-450 SD	176	17:1	21.2:1	60.3	61.8 ⁽³⁾

(1) 1.5-1/2" diameter steering wheel. E-350 SD Van with 6.0L V8 Diesel and 6.8L SEFI V10 and Cutaway and Stripped Chassis models include HD Steering gear.

(2) Average of left and right turns with standard tires.

(3) Van and Cutaway only.

Suspension

FRAME SPECIFICATIONS

Model/Series	Wheelbase (in.)	Maximum Side Rail Section (in.)	Section Modulus (cu. in.)	Yield Strength (psi)
E-150	138	6.16 x 3.18 x 0.181	3.30	36,000
E-250	138	6.16 x 3.18 x 0.181	3.30	36,000
E-350 SD Van	138	7.69 x 3.18 x 0.212	5.44	36,000
E-350/E-450 SD Cutaway/Stripped Chassis	138, 158, 176	7.69 x 3.18 x 0.228	5.73	36,000
E-450 SD Cutaway	158, 176	7.69 x 3.18 x 0.248	6.40	36,000

SHOCK ABSORBER SPECIFICATIONS

Model/Series	Usage	Front & Rear		
		Number	Piston Diameter (mm)	Type
E-150	Standard	4	35mm	Gas pressurized
E-250	Standard	4	35mm	Gas pressurized
E-350 SD/E-450 SD	Standard	4	35mm	Gas pressurized

2009 E-Series Van/Cutaway

Technical Specifications cont'd

Suspension cont'd

SPRING SPECIFICATIONS — FRONT COIL

Model/Series	GVWR (lbs.)	Combined Rating @ Ground (lbs.)	Normal Working Height of Spring (in.)	Wire Diameter (in.)	Deflection Rate @ Ground (lbs. per in. each)	Inside Diameter (in.)	Rating Each @ Pad (lbs. per spring)
E-150 Van	8520/8600	3550	12.0	0.744	304	4.0	2020
		3700	12.0	0.756	318	4.0	2101
		3800	12.0	0.764	328	4.0	2165
		3900	12.0	0.775	341	4.0	2229
E-250 Regular and Extended Van/Crew	8900/9000	3550	12.0	0.744	304	4.0	2020
		3700	12.0	0.756	318	4.0	2101
		3800	12.0	0.764	328	4.0	2165
		3900	12.0	0.775	341	4.0	2229
		4050	12.0	0.780	354	4.0	2318
E-250 Super Duty® Cutaway	8600 SRW	3800	12.0	0.764	328	4.0	2165
E-350 Super Duty Van/Crew	9500	3700	12.0	0.756	318	4.0	2101
		3800	12.0	0.764	328	4.0	2165
		3900	12.0	0.775	341	4.0	2229
		4050	12.0	0.780	354	4.0	2318
		4200	12.0	0.780	354	4.0	2414
		4400	12.0	0.783	366	4.0	2542
E-350 Super Duty Extended Van/Crew	9500	4600	12.0	0.803	366	4.0	2670
		3700	12.0	0.756	318	4.0	2101
		3800	12.0	0.764	328	4.0	2165
		3900	12.0	0.775	341	4.0	2229
		4050	12.0	0.780	354	4.0	2318
		4200	12.0	0.780	354	4.0	2414
E-350 Super Duty Cutaway	9600, 9900, 10,000, 11,500, 12,500	4400	12.0	0.782	366	4.0	2542
		4600	12.0	0.803	366	4.0	2670
		3800	12.0	0.764	328	4.0	2165
		3900	12.0	0.775	341	4.0	2224
		4050	12.0	0.780	354	4.0	2318
		4200	12.0	0.780	354	4.0	2414
E-350 Super Duty Commercial Stripped Chassis	9000, 9600, 9900, 10,000, 11,500, 12,500	4400	12.0	0.783	366	4.0	2542
		4600	12.0	0.803	366	4.0	2670
		5000	12.0	0.803	418	4.0	2900
		3800	12.0	0.764	328	4.0	2165
		3900	12.0	0.775	341	4.0	2229
		4050	12.0	0.720	354	4.0	2318
E-450 Super Duty Cutaway/ Commercial Stripped Chassis	14,050, 14,500	4200	12.0	0.780	354	4.0	2414
		4400	12.0	0.783	366	4.0	2542
		4600	12.0	0.803	366	4.0	2670
		5000	12.0	0.803	418	4.0	2900
E-450 Super Duty Cutaway/ Commercial Stripped Chassis	14,050, 14,500	4600	12.0	0.802	366	4.0	2670
		5000	12.0	0.803	418	4.0	2900

2009 E-Series Van/Cutaway

E-SERIES VAN/CUTAWAY

Technical Specifications cont'd

Suspension cont'd

SPRING SPECIFICATIONS — REAR MAIN LEAF

Model/Series	Combined Rating @ Ground (lbs.)	Number of Leaves	Total Thickness @ Pad (in.)	Length (in.)	Width (in.)	Deflection Rear (lbs. per in./spring) ⁽¹⁾	Rating Each @ Pad (lbs. per spring)
E-150 Van	5120	4	1.94	55.0	3.00	378.5/564.5	2095
E-150 Extended Van	5545	4	1.94	55.0	3.00	350.0/649.0	2447
E-250 Van/Extended Van	5545	4	1.94	55.0	3.00	350.0/649.0	2447
E-250 Cutaway	5545	4	1.94	55.0	3.00	350.0/649.0	2447
E-350 Super Duty® Van/Extended Van	6195	4	1.99	55.0	3.00	373.0/699.0	2772
E-350 Super Duty Cutaway/Commercial Stripped Chassis SRW	7810	9	3.59	55.0	3.00	924.7	3296
E-350 Super Duty Cutaway/Commercial Stripped Chassis DRW	8600	9	3.79	58.5	3.00	1030	3546
E-450 Super Duty Cutaway/Commercial Stripped Chassis	9500	11	4.66	58.5	3.00	1138	4596

(1) Dual numbers indicate two-stage spring.

Tires and Wheels

TIRE SPECIFICATIONS

Type/Size	Rim Width (in.)	Section Width (in.)	Ply Rating	Load Rating	Maximum Inflation Pressure (psi)	Load Limits @ Maximum Inflation Pressure (lbs.)	Static Loaded Radius (in.)	Revolutions per Mile @ 45 mph
LT225/75Rx16	6.0/7.0	9.50	8	D	60	2335	13.95	708
		9.60	10	E	80	2680	14.60	709
LT245/75Rx16	7.0	10.20	10	E	80	3042	14.10	677

WHEEL SPECIFICATIONS

Wheel Type	Wheel Size	Nominal Offset (mm.)	No. of Studs	Bolt Circle (in.)	Max Wheel Capacity Load (lbs. @ ground)
Steel	16" x 7.0" K	0.25	8	6.5	2300 Front/ 3045 Rear
	16" x 6.0" K (Dual)	5.15	8	6.5	2300 Front/ 2365 Rear
Aluminum	16" x 7.0" J	0.25	8	6.5	3045

2009 E-Series Van/Cutaway

Technical Specifications cont'd

Transmissions

AUTOMATIC TRANSMISSION SPECIFICATIONS

Make/Type	Ford 4-Speed Automatic Overdrive (4R75E)	Ford 5-Speed Automatic. Overdrive (TorqShift®)
Engine	4.6L SEFI V8/5.4L SEFI V8	6.8L SEFI V10/6.0L V8 Turbo Diesel
Ratios (to 1) —		
1st	2.84	3.11
2nd	1.55	2.11
3rd	1.00	1.55
4th — OD	0.70	1.00
5th — OD	—	0.71
Reverse	2.32	2.88
Converter Size & Type	12" 145K (L370 Bypass Clutch)	12" PCM Controlled Clutch Apply
Converter Stall Ratio	2.33	—
Converter Torque Ratio @ WOT Stall	—	2.2 (5.4L), 1.86 (6.8L & 6.0L)
Lubricant Capacity (pt.)	13.2 (E Lifetime Fluid)	18.2 (5.4L), 19.0 (6.8L, 6.0L)
Gear Set	Helical	Spur
Oil Cooler	Water	Oil to Air and In-Tank

Special Applications

Trailer Towing Information

NOTE: For additional towing information, refer to **eSourceBook** (esourcebook.dealerconnection.com) or the 2009 RV & Trailer Towing Guide shipped with your Source Books.

Snowplow Information

NOTE: Not recommended for Snowplow Applications.