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E-Series Wagon

WHAT'S NEW

This page is about:

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

2009 E-Series Wagon

What's New

Overview

Key Messages

E-Series Wagon



- 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 Wagon models

Exterior Changes

- New colors added:
 - Brilliant Silver Clearcoat Metallic (UI)
 - Royal Red Clearcoat Metallic (UK)
 - Sterling Grey clearcoat Metallic (UJ)
- Colors deleted:
 - Dark Shadow Grey Clearcoat Metallic
 - 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 Wagon models

Functional Changes

- 4.6L and 5.4L SOHC Triton® V8 engines are E85 Flex Fuel compatible in all applications
- A 4.10:1 rear axle ratio is available on all E-350 models
- AdvanceTrac® with RSC® (Roll Stability Control™) is standard on all E-Series Wagon models
- All Wagon models include one-touch start functionality
- Standard alternator output is 120 amperes, an extra-heavy-duty 155-ampere alternator is available on 5.4L and 6.8L engines and a new optional 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

- 6.8L SOHC Triton V10 engine is available on E-350 models
- An integrated Trailer Brake Controller is available on all E-Series Wagon models
- Navigation System with SIRIUS® Travel Link™ is an option on all Wagon 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 available on all Wagon models includes a camera mounted in the rear license plate surround and a video display with distance graphic in the electrochromic rearview mirror or in the navigation screen for those models equipped with the optional Navigation System

Options Deleted

- 6.0L Power Stroke® V8 Turbo Diesel engine no longer available
- Deluxe engine cover console no longer available



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

2009 E-Series Wagon

What's Important

WHAT'S IMPORTANT

This page is about:

Product Highlights —

Product Highlights

KEY E-SERIES WAGON FEATURES

**Triton® engines:
4.6L SOHC V8 and
5.4L SOHC V8**
(pgs. 8, 9)

**Four-wheel disc
Anti-lock Braking
System (ABS)**
(pgs. 11, 12, 14, 19)



**AdvanceTrac® with RSC®
(Roll Stability Control™) standard on
all Wagons**
(pgs. 8, 11)

**Class I-IV Trailer
Towing Packages
available**
(pg. 18, 20)

**Integrated Trailer
Brake Controller**
(pg. 20)

Performance/Handling

- Triton® engines:
 - 4.6L SOHC Triton® V8
 - 5.4L SOHC Triton V8
 - 6.8L SOHC Triton V10
- Flex Fuel (E85) compatibility (4.6L/5.4L)
- Available transmissions
 - 4-speed automatic
 - 5-speed TorqShift® automatic (with 6.8L)
- AdvanceTrac® with RSC® (Roll Stability Control™) is standard on all Wagons
- Engine oil cooler
- Electronic Throttle Control (ETC)
- Tire Pressure Monitoring System (TPMS)

Quality/Reliability/Durability

- Body-on-frame construction
- Fail-safe cooling system
- Extended maintenance intervals/ease-of-maintenance design
- Maintenance-free battery
- Optional Ford Extended Service Plans
- 5-year/60,000-mile Powertrain Limited Warranty
- 5-year/60,000-mile Roadside Assistance Program

Flexibility

- All-new instrument panel
- New engine cover console
- New door trim panels
- New Navigation System with SIRIUS® Travel Link™
- Rear View Camera
- Integrated trailer brake controller
- Seating options to accommodate from 7 passengers up to 15 passengers maximum
- Available XLT Premium Package
- Choice of 60/40 swing-out side doors or optional sliding side door
- Four-wheel disc Anti-lock Braking System (ABS)
- Standard dual airbags

Capability

- Available Class I-IV Trailer Towing Packages
- Maximum tow rating up to 10,000 lbs.

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

MODEL LINEUP

This page is about:

- XL
- XLT

2009 E-Series Wagon

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 each 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 Wagon is available in two models:

- XL
- XLT

XL — Standard model



Performance/Handling

- 4.6L EFI V8 engine (E-150)
- 5.4L EFI V8 engine (E-350)
- AdvanceTrac® with RSC® (Roll Stability Control™)
- Brakes — power, Four-wheel Anti-lock Braking System (ABS)
- Electronic Throttle Control (ETC)
- Power steering
- Shock absorbers — heavy-duty
- Tires
 - LT225/75Rx16E BSW A/S (E-150/E-350)
 - LT245/75Rx16E BSW A/S (E-350 with 6.8L)
- Transmission — electronic 4-speed automatic

Quality/Reliability/Durability

- Alternator — 120-amp
- Battery — maintenance-free 72-AH, 650-CCA
- Spare tire and wheel
- Tire Pressure Monitoring System (TPMS)

Flexibility

- Airbags — driver and passenger side
- Air conditioning — front
- A-pillar grab handles
- Audio — electronic AM/FM stereo/digital clock/4 speakers
- Bumpers — black-painted front/rear
- Coat hooks — Medium Flint
- Console
 - Engine cover console — color-keyed with dual-bin stowage and 3 cup holders
- Door — hinged side cargo, 60/40 swing-out

- Floor covering — full-length black vinyl
- Glass — solar
- Glove box with auxiliary power point
- Headlamps — sealed beam
- High-mount stop light
- Horn — electric dual note
- Instrument panel — Medium Flint with tachometer
- Lighting
 - Front dome and rear cargo lights
 - Courtesy light switches on all doors
- Mirror — interior day/night rearview
- Mirrors — aertype LH/RH manual exterior (RH convex)
- Power point
 - Double 12V in I/P
 - Single 12V source located rear of driver
 - Inside glove box
- Safety belts — color-keyed safety belts with height-adjustable D-ring. Rear outboard 3-point shoulder/lap belts all seat positions

- Seats — graphite vinyl with inboard armrest on all Wagon front seats
- Steering wheel — tilt
- Step well pads — black plastic
- Sun visors — Medium Flint, cloth/vinyl
- Trim
 - Medium Flint plastic front door trim panels
 - Medium Flint side/rear quarter door trim panels polypropylene
 - LH/RH black cowl trim panels
 - Full-length Medium Flint cloth headliner
- Wheels — 16" x 7" steel wheels with sport wheel covers
- Windshield wipers — interval

Capability

- Fuel tank — 35 gallons, 132.5 litres
- Handling Package (incl. front stabilizer bar and heavy-duty front and rear shock absorbers)

XLT — All XL content, plus:



Flexibility

- Audio — electronic AM/FM stereo/digital clock/single CD player/6 speakers
- Bumpers — chrome front & rear
- Coat hooks — color keyed
- Cruise control
- Dash sound absorber
- Floor covering — full-length color-keyed carpet w/wheelhouse cover
- Floor mats — front only, carpeted throw-in

- Headlamps — dual-beam fixed lens
- Instrument panel — w/tachometer, color keyed
- Insulation Package
- Lighting
 - Illuminated entry/reading/rear cargo lights
 - Courtesy switches on all doors
- Locks — power, doors/windows with one-touch-down power driver window
- Mirrors — aertype LH/RH power exterior (RH convex)
- Seats — mid-series color-keyed cloth

- Sun visors — color-keyed, dual illuminated
- Trim
 - Color-keyed plastic front door trim panel with integral map compartment trim panels
 - Color-keyed plastic side/rear quarter trim panels
 - Full-length color-keyed cloth headliner

NOTE: The above information is an excerpt from pages 2 and 3 of the 5/23/08 E-Series Wagon Dealer Ordering Guide. For the latest Dealer Ordering Guide go to fmcdealer.com

2009 E-Series Wagon

Model Lineup

MODEL LINEUP

This page is about:

Optional Equipment

Optional Equipment

	XL	XLT
Performance/Handling		
5.4L EFI/4-Spd. Auto	O ⁽¹⁾ , S ^(2, 3)	O ⁽¹⁾ , S ^(2, 3)
6.8L EFI/5-Spd. Auto	O ^(2, 3)	O ^(2, 3)
AdvanceTrac [®] with RSC [®] (Roll Stability Control [™])	S	S
Quality/Reliability/Durability		
Alternator:		
Extra Heavy Duty 155-Amp (NA w/4.6L engine)	O	O
Extra Heavy Duty (6.8L engine only)	O ^(2, 3)	O ^(2, 3)
Battery – Heavy Duty Auxiliary	O	O
Spare Tire and Wheel NOT INCLUDED Deletes Spare Tire and Wheel, Underbody Carrier, Jack Assembly and Handle (lug wrench remains in vehicle)	O ^(2, 3)	O ^(2, 3)
Flexibility		
16"x 7" Forged Aluminum Wheel	O	O
Air Conditioning – High Capacity (front and rear)	O ^(1, 2) , S ⁽³⁾	S
Air Conditioning Delete (front)	O	O
Audio:		
Electronic AM/FM Stereo/Clock/CD	O	S
Premium Plus AM/FM Stereo/Clock/6 CD (incl. in-dash 6-disc CD changer and 6 speakers)	–	O
Navigation System with SIRIUS [®] Travel Link [™] (inc. AM/FM stereo/CD, satellite radio capability and audio jack)	O	O
Radio Delete	O	O
Auxiliary Fuel Port (NA on 4.6L engine)	O	O
Bumper:		
Front chrome with colored lower fascia and rear contour chrome	P ⁽¹⁾	S
Rear Step, Chrome (req. Exterior Upgrade Pkg. w/XL Trim. Incl. Trailer Tow Pkg.)	O	O
Rear Step, Black Painted (NA w/Exterior Upgrade Pkg. Incl. Trailer Tow Pkg. Incl. 4-pin trailer tow wire)	O	–
Cargo Door – Sliding Side (60/40 hinged door is Std.)	O	O
Console:		
Overhead w/Temp., Compass, Storage and illuminated sunvisors (req. Interior Upgrade Pkg.)	O	O
Cruise Control	O	S
Daytime Running Lamps – LPO only	O	O
Emissions:		
50 State emissions system (standard with 6.0L)	S	S
50 State Clean Fuel Fleet Certification (req. 50 State Emissions System option code)	O	O
Engine Block Heater – 750 Watts	O	O
Exterior Upgrade Package	O	–

(1) E-150 (2) E-350 Regular Length (3) E-350 Extended Length
 S = Standard O = Optional P = Packaged Option – = Not available

E-Series Wagon

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MODEL LINEUP**This page is about:**

Optional Equipment

2009 E-Series Wagon

Model Lineup

Optional Equipment cont'd

	XL	XLT
Flexibility (cont'd)		
Floor Covering:		
Floor Mats – Carpeted, Front Only, Throw-In (incl. w/Interior Upgrade Pkg.)	P	S
Front Carpeting (incl. w/Interior Upgrade Pkg.)	P	S
Rear carpeting (incl. w/Interior Upgrade Pkg.)	P	S
Vinyl – Front	S	O
Glass – Privacy (dark glass is from B-pillar back only)	O	O
Instrument Panel Message Center (incl. w/Reverse Sensing System, req. w/Trailer Brake Controller)	O	S
Interior Upgrade Package	O	S
License Plate Bracket (req. and generated in states that issue two license plates)	O	O
Livery Option – 11-Pass. Wagon (incl. XLT trim, Center Aisle Seating Prep Pkg., Running Boards, Privacy Glass)	–	O ⁽²⁾
Livery Option – 14-Pass. Wagon (incl. XLT trim, Center Aisle Seating Prep Pkg., Running Boards, Privacy Glass)	–	O ⁽³⁾
Mirrors – Telescopic Trailer Tow (incl. LH/RH power adjust flat glass and manual adjust convex)	–	O
Power Windows and Locks Group (req. front door trim panels. Incl. memory lock module when Sliding Side Cargo Door is ordered)	O	S
Rear View Camera	O	O
Remote Keyless Entry/Panic Alarm (req. Power Locks/Windows and Interior Upgrade Pkg. w/XL Trim)	O	O
Reverse Sensing System (req. rear step or contour bumpers)	O	O
Running Boards – Door Length on Driver Side, Full Length on Passenger Side (incl. w/XLT Premium Package)	O	O
Seats:		
Center Aisle Seating Prep Pkg. (11-pass.) Driver and Pass. Captain's Chairs (incl. and only avail. w/66S or 66W)	P ⁽²⁾	P ⁽²⁾
Center Aisle Seating Prep Pkg. (14-pass.) Driver and Pass. Captain's Chairs (incl. and only avail. w/66T or 66Z)	P ⁽²⁾	P ⁽³⁾
Captain's Chairs – Cloth (11-pass.) Power Driver Seat avail.	–	O ⁽³⁾
Power Driver Seat (incl. manual lumbar)	–	O
Center Aisle Seating Prep Pkg. (11-pass.) High Back Driver and Pass. Power Driver Seat NA	P ⁽²⁾	P ⁽²⁾
Center Aisle Seating Prep Pkg. (14-pass.) High Back Driver and Pass. Power Driver Seat NA	P ⁽³⁾	P ⁽³⁾
11-Pass. Vinyl Buckets (AE trim) (avail. w/CE Cloth Buckets)	O ⁽³⁾	–
Center Aisle Seating Prep Pkg. (11-pass.)	O	–
Center Aisle Seating Prep Pkg. (14-pass.)	O	–
Center Aisle Seating Prep Pkg. (11-pass.)	–	O
Center Aisle Seating Prep Pkg. (14-pass.)	–	O
SecuriLock® passive anti-theft ignition system	O	O
XLT Premium Package	–	O ⁽¹⁾
Capability		
Integrated Trailer Brake Controller (req. with Trailer Tow Package, req. Message Center)	O	O
Trailer Towing Package (Class I) (incl. w/Rear Step Bumpers)	P	P
Trailer Towing Package (Class II/III/IV)	O	O

(1) E-150 (2) E-350 Regular Length (3) E-350 Extended Length
 S = Standard O = Optional P = Packaged Option – = Not available

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2009 E-Series Wagon

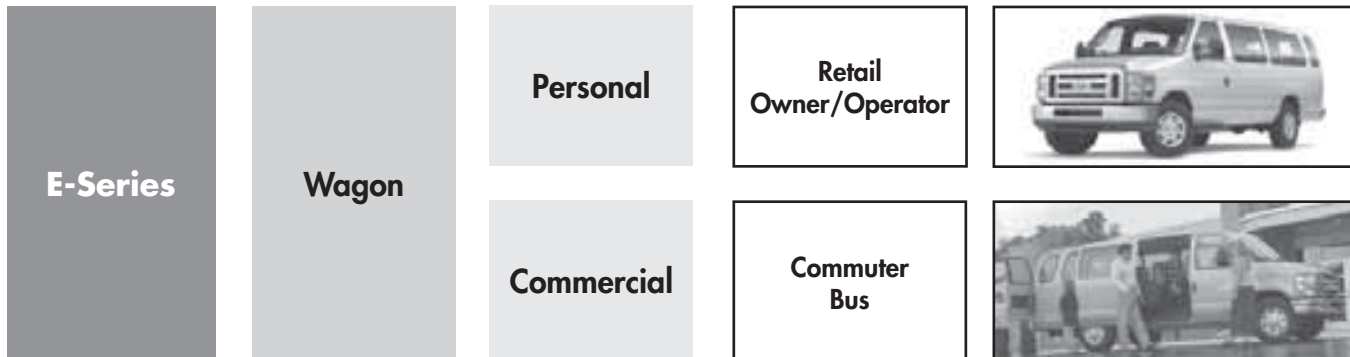
Vocational Segmentation

VOCATIONAL SEGMENTATION

This page is about:

Retail Owner/Operator

Commuter Bus



NOTE: Segmentation illustrates vocational use.

July 2008

PERFORMANCE/HANDLING

This page is about:

- Triton® Engines
- Flex Fuel (E85) Compatibility
- Electronic Throttle Control
- AdvanceTrac® with RSC® (Roll Stability Control™)
- Tire Pressure Monitoring System (TPMS)
- Standard Handling Package

2009 E-Series Wagon

Performance/Handling

Overview

Key Messages

E-Series Wagon



- 2009 E-Series Wagon appeals to a wide assortment of customers
- With 2 available V8s and a V10 coupled to a 4- or 5-speed automatic transmission (V10 only), E-Series has the torque 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 Wagon models

Key Features

Powertrain

Triton engines provide the choice of a 4.6L V8 or a 5.4L V8, both mated to a 4-speed automatic transmission for most hauling or towing situations. For those really heavy-duty needs, the 6.8L Triton V10 engine is mated to a 5-speed TorqShift® automatic transmission with Tow/Haul mode.



Flex Fuel (E85) compatibility means that both the 4.6L and 5.4L Triton engines are capable of operating on E85, which burns more cleanly than gasoline, gasoline or any combination with no reduction in power output.

Electronic Throttle Control uses electronic sensors to provide smoother engine response.

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 specify a diameter or radius dimension.

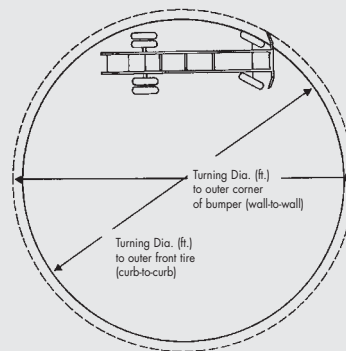
Driving Dynamics

AdvanceTrac® with RSC® (Roll Stability Control™) is an electronic stability control system that works to improve control on slippery, low-traction road surfaces and helps counteract excessive vehicle roll motion.

Tire Pressure Monitoring System (TPMS) alerts the driver to significantly low tire inflation pressure with a warning light.

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

Turning diameter of 48.0 feet curb-to-curb gives E-Series Wagon the ability to maneuver through crowded streets, narrow country lanes or cramped boat ramps with ease.



2009 E-Series Wagon

Performance/Handling

PERFORMANCE/HANDLING

This page is about:

- Triton® Modular Engine Family —
- Electronic Throttle Control (ETC) —
- Engine Oil Cooler —
- 50 State Emissions —
- Powertrain Combinations —

Engines

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
- 4.6L and 5.4L engines are Flexible Fuel Vehicles (FFVs) which are capable of operating on E85, gasoline, or any combination of the two fuels with no reduction in horsepower or torque output. E85 is produced from crops and is a renewable fuel reducing our dependence on imported oil



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, Electronic Throttle Control (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

50 State Emissions

- Standard on all Wagons

Application Tip

When customers ask about the E-Series horsepower figures, explain to them that torque is what gets a big load moving and horsepower keeps it moving. Torque measures towing and hauling power, a more important number than straight horsepower, which isn't as important for truck applications. You'll also find that many Ford trucks hold a torque advantage in comparison against competitors.

Powertrain Combinations

Powertrain (Engine/Transmission)	Horsepower (SAE net @ rpm)	Torque (lb.-ft. @ rpm)	Standard Availability	Optional Availability
4.6L Triton® V8 ⁽¹⁾ /4-Speed Automatic	225 @ 4800	286 @ 3500	E-150 Wagon	—
5.4L Triton V8 ⁽¹⁾ /4-Speed Automatic	255 @ 4500	350 @ 2500	E-350 Super Duty® Wagons	E-150 Wagon
6.8L Triton V10 5-Speed TorqShift® Automatic	305 @ 4250	420 @ 3250	—	E-350 Super Duty Wagons

(1) Flex Fuel capability.

This page is about:

- Flex Fuel (E85) Capability
- 4-speed Wide-ratio Automatic Transmission
- TorqShift® 5-speed Automatic Transmission

2009 E-Series Wagon

Performance/Handling

Engines cont'd

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 fuels 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 primarily from domestically produced corn and considered a renewable fuel
- 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 harder
 - Head gaskets are more robust



Transmissions

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

- Standard on all E-150 and E-350 models with the 4.6L or 5.4L SOHC Triton engines
- 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 power 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 coupled with the Electronic Throttle Control (ETC) technology calculates torque in the next gear and regulates shift points based on the vehicles’ projected performance in the next gear
- Adaptive pressure control maintains consistent shift response and feel over time

TorqShift® 5-speed Automatic Transmission (5R110W)

- Standard on all E-Series Wagon models with the 6.8L Triton engine (includes Tow/Haul)
- All electrohydraulic shifts are optimized with pure electronic shift controls for more responsiveness
- Torque converter designed to maximize low-speed torque capability
- Pump provides significant lubrication and cooling capacity
- Drive gear and friction material provide long-term durability
- Transmission filter located internally. Service interval recommended at 36 months or 60,000 miles under normal operating conditions

2009 E-Series Wagon

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 —



AdvanceTrac® with RSC® (Roll Stability Control™)

- Standard on all Wagons
- An electronic stability control system that 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
- 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:

- Independent Front Suspension
- Handling Package
- Power Steering
- Four-wheel Disc Brakes
- Tire Pressure Monitoring System (TPMS)

Driving Dynamics

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:
 - Drop link stabilizer bar and bushings
 - Heavy-duty front and rear shock absorbers

Power Steering

- System provides improved on-center feel and return-to-center performance
- Helps reduce steering effort
- Provides excellent overall handling performance

Four-wheel Disc Brakes

- Feature large rotors, caliper pistons and specially formulated pad material to help improve stopping distances and also help improve brake life by reducing operating temperatures



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
- Properly inflated tires help optimize fuel economy and add to a smooth ride
- Recommended tire pressure label is on the driver's door B-pillar

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.

E-Series Wagon

ENGINEERING INSIGHT: TPMS Warning Light

Low Tire Warning Light	Customer Action Required
<p>Solid Warning Light</p> 	<p>Check tire pressure to ensure proper inflation. Ford recommends a digital or dial-type tire pressure gauge for increased accuracy.</p> <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>
<p>Flashing Warning Light</p> 	<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

2009 E-Series Wagon

Quality/Reliability/Durability

QUALITY/RELIABILITY/DURABILITY

This page is about:

Reliability —
Durability —
Ease of Maintenance —
Warranty —

Overview

Key Messages

E-Series Wagon



- For years, E-Series buyers have relied on the quality and durability of their wagons
- 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

Reliability

Fail-safe cooling system helps protect all E-Series 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.

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 the results have to meet their expectations.

Ease of Maintenance

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

Engine oil change interval of 7500 miles is recommended under normal driving conditions.

TorqShift® transmission filter is internally mounted and does not require service for 36 months or 60,000 miles under normal operating conditions.

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, under normal driving conditions with regular fluid and filter changes.

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

Warranty

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:

- All-new Instrument Panel
- New Engine Cover Console
- Navigation System with SIRIUS® Travel Link™
- Rear View Camera
- Reverse Sensing System
- Safety and Security

2009 E-Series Wagon Flexibility

Overview

Key Messages

E-Series Wagon



- The E-Series Wagon 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
- The optional Navigation System with SIRIUS® Travel Link™ includes a single-disc CD changer with MP3 capable audio system
- The optional Rear View Camera helps drivers see what's coming up behind them

Key Features

Interior Convenience

The **all-new instrument panel** has been redesigned to be more functional and user friendly. It is based on the proven F-Series Super Duty® design.

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

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.⁽¹⁾

Rear View Camera 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 Navigation System.



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.

Tilt steering wheel is standard on all models to help provide added driver comfort.

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

Safety and Security

Second Generation driver and right front passenger airbags provide additional protection in certain moderate-to-severe frontal and near-frontal collisions.



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

⁽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.

2009 E-Series Wagon

Flexibility

FLEXIBILITY

This page is about:

- New Instrument Panel
- Seating
- New Engine Cover Console
- New Door Trim Panels

Interior Convenience

New Instrument Panel



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

Features include:

- New instrument cluster
- Glove box with added power point
- New passenger-side airbag cover
- Storage tray above the passenger airbag
- Storage bin at the top of the center stack
- Auxiliary audio input jack on models equipped with a CD radio



Features of the base instrument cluster include:

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



- Audio opening dimensions are more standardized, allowing more commonality with the audio systems in other Ford vehicles. A major benefit of this change for 2009 is the addition of an optional Navigation System with SIRIUS® Travel Link™. See pages 14, 16 and 22 for additional details and features

Seating

- New front seat design with revised head restraint height complying with latest safety standards
- Available power driver seat
- Leather-trimmed seating available with 7-passenger seating
- 7-passenger seating provides 1st- and 2nd-row Captain's chairs, a 3rd-row 3-passenger bench seat and cargo area
- 8-passenger seating provides 1st-row Captain's chairs, a 2nd- and 3rd-row 3-passenger bench seat and cargo area
- 11-passenger seating provides 1st-row Captain's chairs, a 2nd- and 3rd-row 3-passenger bench seats and 4th-row 4-passenger bench seat
- Removable 2nd-, 3rd- and 4th-row seats, creating a flat loadfloor for maximum cargo capability



New Engine Cover Console

- 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
- 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



FLEXIBILITY

This page is about:

- Navigation System with SIRIUS® Travel Link™
- SIRIUS® Satellite Radio
- SIRIUS Travel Link
- Rear View Camera
- Doors
- User-defined Switches

2009 E-Series Wagon Flexibility

Interior Convenience cont'd

Navigation System with SIRIUS® Travel Link™

- 6.5-inch LCD touch-screen display
- Real-time traffic and weather reports provided by SIRIUS Travel Link
- 10 GB Music Jukebox with storage and access to about 2,300 songs
- Integrated climate control functions
- Fast route calculations, zooming, scrolling and route previews
- Audible guidance feature that announces upcoming maneuvers with specific street names
- Capable of playing a DVD-based movie when vehicle is in Park
- SIRIUS Satellite Radio capability
- Includes Premium Plus AM/FM stereo/in-dash, Single-CD/MP3 capable audio system
- See page 22 for more information

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 21 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 subject to location and availability⁽¹⁾
- See page 22 for more information

(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) Real-time traffic monitoring available in select markets. Some features may not be available when vehicle is in motion. SIRIUS is a registered trademark of SIRIUS Satellite Radio, Inc.

Rear View Camera



- Optional on all Wagon 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

Side Doors

- **60/40 Swing-out Side Doors** allow plenty of room for rear-seat entry and exit
- **Sliding Side Door** provides wide, easy access to the interior

Rear Cargo Doors

- Standard on all Wagon 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 Wagon 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



Remote Keyless Entry System (948)

- Passively activated system in combination with a remote entry transmitter that locks and unlocks doors and activates interior lights (illuminated entry)
- Panic button that activates audible alarm
- Two remote transmitters
- Requires Power Windows and Locks Group and Interior Upgrade Package on XL
- Optional on XL and XLT, included with XLT Premium Package

2009 E-Series Wagon

Flexibility

FLEXIBILITY

This page is about:

- 11-Passenger Livery Wagon Package
- 14-Passenger Livery Wagon Package
- Center Aisle Seating Prep Packages
- Exterior Upgrade Package
- Insulation Package

Packages

11-Passenger Livery Wagon Package (18H)

- Optional on Regular Length E-350 XLT only
- Includes:
 - XLT Trim
 - Center Aisle Seating Prep Package
 - Running boards
 - Privacy glass
 - Requires Ship Thru Code

14-Passenger Livery Wagon Package (18J)

- Optional on Extended Length E-350 XLT only
- Includes:
 - XLT Trim
 - Center Aisle Seating Prep Package
 - Running boards
 - Privacy glass
 - Requires Ship Thru Code

Center Aisle Seating Prep Package XL 11-Passenger/14-Passenger (66S/66T)

- Optional on Regular Length E-350 XL (66S) and Extended Length E-350 XL (66T) only
- Includes:
 - Trim plugs and floor plugs for deleted seating and seating restraint components
 - Hinged 60/40 side cargo door
 - Vinyl floor covering, front only (front dash to B-pillar)
 - (2) High-back bucket vinyl seats with inboard armrests and 4th-row 4-passenger bench seat (5th-row seat in 14-passenger)
 - Deletes 2nd- and 3rd-row 3-passenger bench seats, seat-mounting attachments, hardware and seat restraint systems (and 4th-row seat in 14-passenger)
 - Medium Flint vinyl seat trim
 - Vehicle is categorized as incomplete with this prep package. Authorized upfitter does invoice separately to the dealer
 - Requires Ship Thru Code

Center Aisle Seating Prep Package XLT 11-Passenger/14-Passenger (66W/66Z)

- Optional on Regular Length E-350 XLT (66W) and Extended Length E-350 XLT (66Z) only
- Includes:
 - Trim plugs and floor plugs for deleted seating and seating restraint components
 - Hinged 60/40 side cargo door
 - Carpeting, front only (front dash to B-pillar)
 - (2) Captain's Chairs, cloth, with inboard armrests and 4th-row 4-passenger bench seat (5th-row seat in 14-passenger)
 - Throw-in floor mats
 - Not available with sliding side cargo door
 - Deletes 2nd-, 3rd- and 4th-row 3-passenger bench seats, seat-mounting attachments, hardware and seat restraint systems (and 5th-row seat in 14-passenger)
 - Cloth seat trim
 - Vinyl floor covering, front only (front dash to B-pillar); can be added as a no-charge option (floor mats will be deleted)
 - Units ordered with 18G Interior Upgrade Package will include front carpet only
 - Vehicle is categorized as incomplete with this prep package. Authorized upfitter does invoice separately to the dealer
 - Requires Ship Thru Code

Exterior Upgrade Package (18A)

- Chrome front and rear bumpers
- Chrome grille
- Dual beam fixed lens headlamps

Insulation Package (551)

- Included on XL with Interior Upgrade Package.
- Includes:
 - Cloth sun visors (illuminated on XLT)
 - Color-keyed sliding door track (with sliding side cargo door)
 - Upper LH/RH B-pillar trim panels
 - XLT side and rear trim panels with insulation padding

FLEXIBILITY

This page is about:

- Interior Upgrade Package
- Power Windows and Locks Group
- Trailer Towing Packages
- XLT Premium Package

2009 E-Series Wagon

Flexibility

Packages cont'd

Interior Upgrade Package (18G)

- Includes:
 - Carpeting (vinyl floor covering can be ordered in lieu of carpet on XL and XLT only)
- XLT power side/rear cargo door trim panels
- "C" series trim buckets on XL models
- Dash sound absorber
- Headlights-on audible alert warning chime
- Floor mats, carpeted (front only, throw-in, not available with vinyl floor covering)
- Insulation Package
- Power locks/windows
- Not available with Center Aisle Seating Prep Package)

Power Windows and Locks Group (903)

- Includes:
 - Memory lock module on units with sliding side door
 - Power door locks (front and rear)
 - Power windows
 - High-series door trim panels
 - Optional on XL

Class I Trailer Towing Package (534)

- Includes:
 - Trailer wiring harness
- Refer to Owner's Guide for required equipment and towing limits
- Included with step bumpers

Class II/III/IV Trailer Towing Package (536)

- Optional on all models
- Includes:
 - Electric brake controller tap-in capability
 - Trailer wiring harness (blade-style female connector) with bumper bracket
 - Relay system for backup and running lights
 - Frame-mounted hitch receiver
 - Refer to Owner's Guide for required equipment and towing limits

XLT Premium Package (86X)

- XLT Premium Package, available on E-150 XLT models only
- Includes:
 - Leather Captain's Chairs (first- and second-row)
 - Power driver's seat
 - Overhead console
 - Remote Keyless Entry
 - Leather-wrapped steering wheel
 - Privacy glass
 - Special two-tone exterior paint
 - Forged aluminum wheels
 - Running boards

2009 E-Series Wagon

Flexibility

FLEXIBILITY

This page is about:

- Second Generation Airbag System
- LATCH (Lower Anchors and Tethers for Children) System
- Safety Belt Pretensioners
- Reverse Sensing System
- Four-wheel Disc Anti-lock Braking System (ABS)
- Electronic Brake Force Distribution (EBD)

Safety and Security

Second Generation Driver and Front Passenger Airbags

- 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

LATCH (Lower Anchors and Tethers for Children) System

- E-Series Wagons provide LATCH provisions in the second- and third-row seats
- Consists of a top tether anchor point and two rigid seat bars located where the seat cushion meets the seatback
- A LATCH compatible child safety seat attaches to the lower anchors 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

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

Structural Safety

Side Door Intrusion Beams provide additional protection in certain side collisions.

Steel Reinforced Rear License Plate Housing includes steel lock cylinder flange to boost the tamper resistance of the rear door lock cylinder and locking mechanism.

Reverse Sensing System

- Detects an obstacle up to 6 feet away to alert drivers to certain objects near the rear of the vehicle when backing up
- Requires rear step or contour bumper

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

- Standard on all E-Series models
- Large rotors and caliper pistons with specially formulated pads help provide steering control in hard-braking situations
- 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
- Optimizes braking performance according to vehicle load of passengers and/or cargo



July 2008

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 ABS.

CAPABILITY

This page is about:

- Trailer Towing Packages
- GVWR
- Passenger/Cargo Capacity
- Integrated Trailer Brake Controller

2009 E-Series Wagon Capability

Overview

Key Messages

E-Series Wagon



- E-Series has proven its capability over long years of getting the job done for thousands of personal-use customers
- With a multitude of heavy-duty equipment available, E-Series has a package to suit every need, whether it's personal or commercial

Key Features

Towing and Hauling

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.

Gross Vehicle Weight Rating (GVWR) for all E-Series Wagons is more than 8500 lbs., to handle the needs of your customers whether hauling or towing.

Tires: LT225/75R16E BSW all-season tires are standard on E-150 and E-350 Wagons with V8 engine. LT245/75R16E BSW all-season tires are standard on E-350 Wagons with V10 engine.

Passenger/Cargo Capacity

The passenger/cargo rating represents the maximum allowable weight of people and cargo and must be reduced by optional equipment weight.

E-Series	Maximum Passenger/Cargo (lbs.)	Maximum Passengers
E-150 Wagon	2790	8
E-350 Super Duty® Wagon	2710	12
E-350 Super Duty Extended Wagon	2990/2630	11/15

Integrated Trailer Brake Controller

- 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 controls/indicators:
 - +/- (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: Towing information: 2009 RV & Trailer Towing Guide that was shipped with your 2009 Source Books or the vehicle Owner's Guide.

2009 E-Series Wagon

Audio/Navigation

AUDIO/NAVIGATION

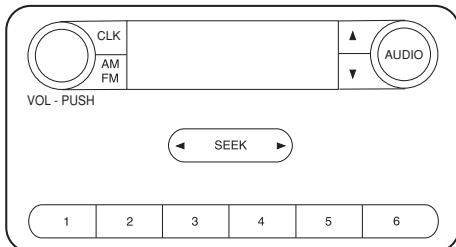
This page is about:

- AM/FM Stereo
- AM/FM Stereo/Single-disc CD Player
- Premium Plus AM/FM Stereo/In-dash Single-disc CD Player with MP3 Capability
- SIRIUS® Satellite Radio

All E-Series Wagon Audio Systems Include

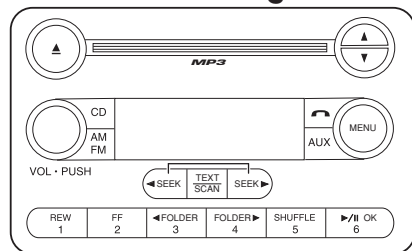
- Electronic tuning
- Tone control
- Seek
- Digital clock

AM/FM Stereo



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

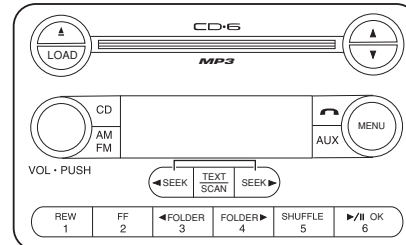
AM/FM Stereo/Single-disc CD Player



Includes or replaces features of AM/FM stereo plus:

- 20 watts per channel
- 6 AM/12 FM presets
- Fade/balance
- Bass/treble
- Scan feature
- 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/In-dash Single-disc CD Player with MP3 Capability



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

- Included only with the Navigation System
- 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/in-dash single-CD player 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.

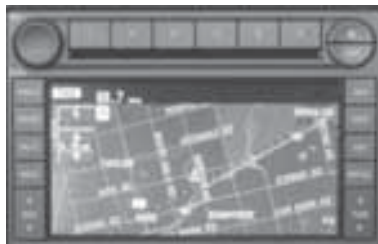
This page is about:

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

2009 E-Series Wagon

Audio/Navigation

Navigation System with SIRIUS® Travel Link™



- Includes Premium Plus AM/FM stereo single-CD player
- **6.5-inch LCD touch screen** operates navigation and audio functions
- **Hard-drive-based system** includes 40 gigabytes 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 2,300 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 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 Wagon

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	E-150 Wagon		E-350 Super Duty® Wagon		E-350 Super Duty Extended Wagon	
		XL	XLT	XL	XLT	XL	XLT
16" 8-Lug Steel Wheel with Sport Wheel Cover (16" x 7") (NOTE: Spare is steel) (Wheel cover shows 7 simulated lugs) 	614	Standard	Standard	Standard	Standard	Standard	Standard
16" 8-Lug Forged Aluminum Wheel (16" x 7") (NOTE: Spare is steel) 	64F	Optional	Optional ⁽¹⁾	Optional	Optional	Optional	Optional

(1) Standard with XLT Premium Package.

E-Series Wagon	Interior Trim Colors	
	Medium Flint	Medium Pebble
Interior Trim Type and Color Selector NOTE: First character denotes type, second character denotes color.		
XL Vinyl Bucket Seats Cloth Bucket Seats	AE CE	— —
XLT Cloth Captain's Chairs	ME	MW
XLT Premium Package Leather Seating Surfaces Captain's Chairs (3rd-row vinyl trim)	LE	LW

— = Not available.

NOTE: See the 2009 Color and Upholstery Book or the Specifications section of [esourcebook](http://esourcebook.dealerconnection.com) (esourcebook.dealerconnection.com) for illustrations of the available seating choices.

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

2009 E-Series Wagon

Seating Configurations

Seating Configurations

Wagon**7-passenger E-150 XLT with Premium Package Wagon**

- Quad individual seats
- 3-passenger rear bench seat

**8-passenger E-150 Wagon**

- Individual front seats
- Two 3-passenger bench seats

**12-passenger E-350 Super Duty® Wagon**

- Individual front seats
- Two 3-passenger bench seats
- One 4-passenger bench seat

**11-passenger E-350 (optional) Super Duty Extended Wagon**

- Individual front seats
- Three 3-passenger bench seats

**15-passenger E-350 Super Duty Extended Wagon**

- Individual front seats
- Three 3-passenger bench seats
- One 4-passenger bench seat

NOTE: Inboard armrests are standard on all front seats.

2009 E-Series Wagon

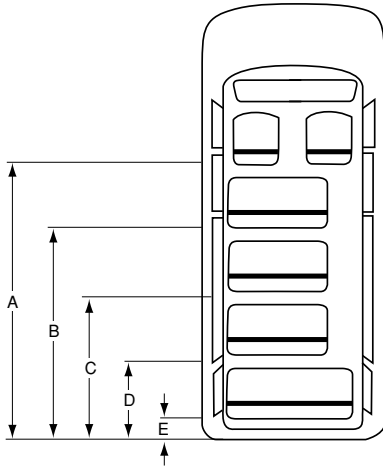
Interior Dimensions/Instrument Cluster

DIMENSIONS/CLUSTER

This page is about:

- Interior Dimensions
- Instrument Cluster

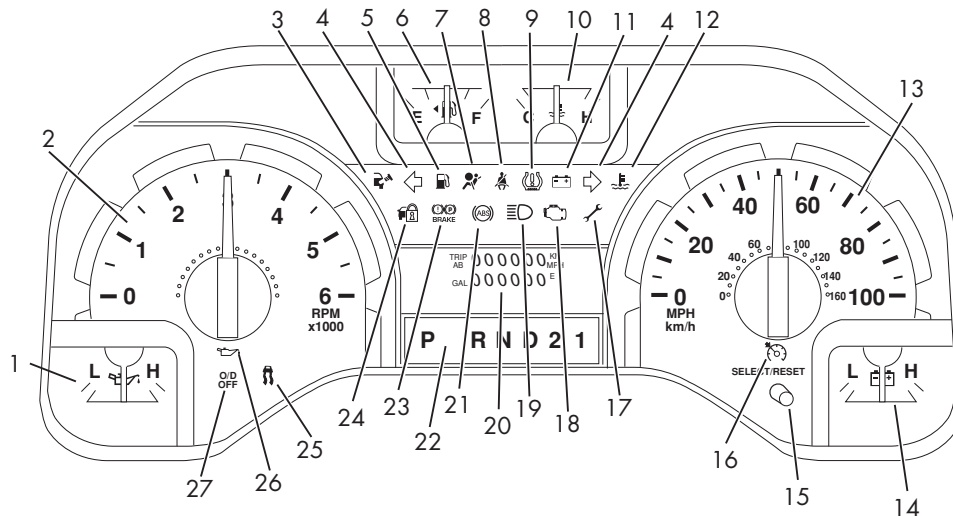
Interior Dimensions



			Regular Length (in.)	Extended Length (in.)
A	Inside length — driver seat to inside of rear door	@ floor @ beltline	120.6 113.7	140.6 133.7
B	Inside length — rear of first bench seat to inside of rear door	@ floor @ beltline	84.9 78.7	104.9 98.7
C	Inside length — rear of second bench seat to inside of rear door	@ floor @ beltline	51.4 47.6	71.4 67.6
D	Inside length — rear of third bench seat to inside of rear door	@ floor @ beltline	20.8 16.4	40.8 35.6
E	Inside length — rear of fourth bench seat to inside of rear door	@ floor @ beltline	18.5 14.6	38.5 34.6

NA = Information not available at time of publication.

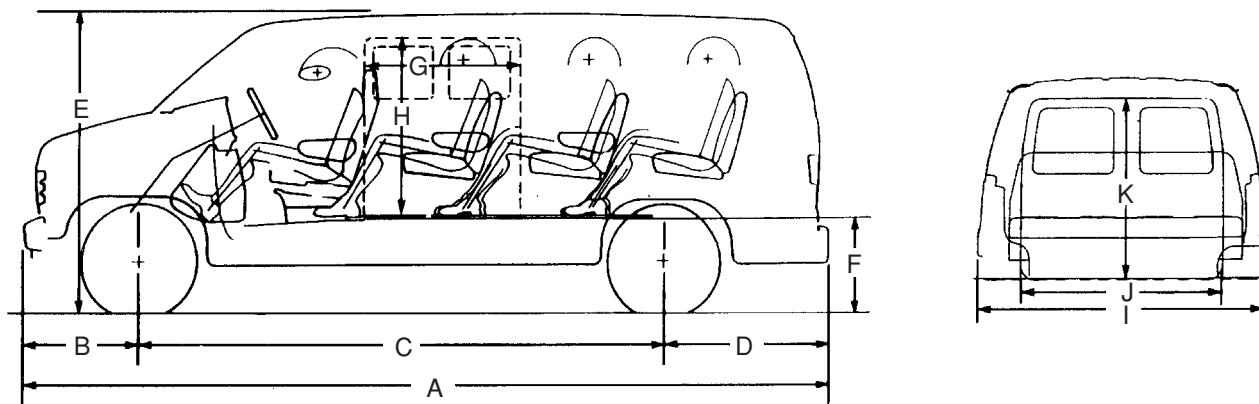
Instrument Cluster



- | | | |
|--|---|---|
| 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 |
| 5. Low fuel warning light | 17. Electronic Throttle Control (ETC) warning light | 26. Low oil 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 | |
| 8. Fasten safety belt warning light | 20. Odometer/trip odometer/message center | |
| 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 | | |

2009 E-Series Wagon

Dimensions



BODY DIMENSIONS — Wagon Exterior

Model/Series		E-150	E-350 Super Duty®	E-350 Super Duty Extended Wagon
Code	Description	Inches	Inches	Inches
A	Overall Length	216.7	216.7	236.7
B	Front Overhang	34.9	34.9	34.9
C	Wheelbase	138.0	138.0	138.0
D	Rear Overhang	43.8	43.8	63.8
E	Cab Height	82.1	83.1	82.3
F	Load Height	28.8	30.2	29.1
G	Side Cargo Door Opening Width (Hinged) ⁽¹⁾	44.8	44.8	45.6
H	Side Cargo Door Opening Height	47.2	47.2	47.2
I	Vehicle Width ⁽²⁾	79.4	79.4	79.4
J	Rear Cargo Opening Width at Floor	54.4	54.4	54.4
K	Rear Cargo Opening Height	46.8	46.8	48.0

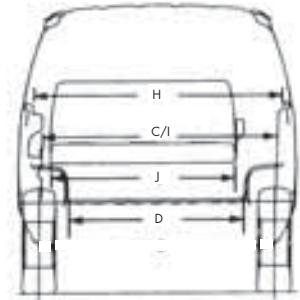
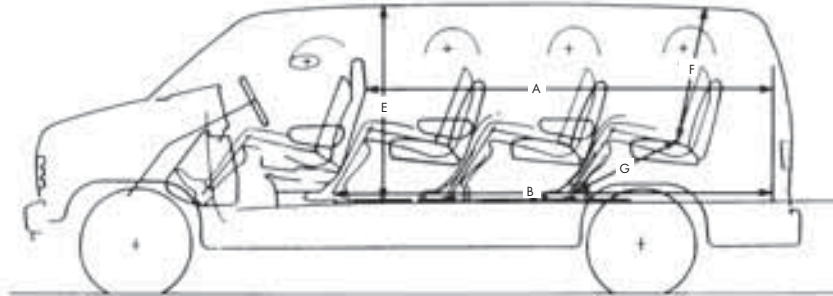
(1) Optional Sliding = 39.6"

(2) Excluding mirrors.

2009 E-Series Wagon

E-SERIES WAGON

Dimensions cont'd



BODY DIMENSIONS — Wagon Interior

Model/Series		E-150	E-350 Super Duty®	E-350 Super Duty Extended
Code	Description	Inches	Inches	Inches
A	Cargo Length at Belt	113.7	113.7	133.7
B	Cargo Length at Floor	120.6	120.6	140.6
C	Overall Width ⁽¹⁾	79.4	79.4	79.4
D	Cargo Width Between Wheelhouses	51.1	51.1	51.1
E	Cargo Height	51.9	51.9	51.9
F	Head Room (1st Row)	42.0	42.0	42.0
F	Head Room (2nd Row)	40.2	40.2	40.2
F	Head Room (3rd Row)	40.1	40.1	40.1
F	Head Room (4th Row)	—	38.9	39.6
F	Head Room (5th Row)	—	—	37.4
G	Leg Room (1st Row)	40.0	40.0	40.0
G	Leg Room (2nd Row)	38.8	38.8	38.8
G	Leg Room (3rd Row)	40.0	40.0	40.0
G	Leg Room (4th Row)	—	39.4	39.4
G	Leg Room (5th Row)	—	—	37.0
H	Shoulder Room (1st Row)	68.1	68.1	68.1
H	Shoulder Room (2nd Row)	71.7	71.7	72.8
H	Shoulder Room (3rd Row)	71.7	71.7	71.7
H	Shoulder Room (4th Row)	—	69.4	69.4
H	Shoulder Room (5th Row)	—	—	67.5
I	Hip Room (1st Row)	65.6	65.6	65.6
I	Hip Room (2nd Row)	66.5	66.5	68.6
I	Hip Room (3rd Row)	66.8	66.8	66.8
J	Hip Room (4th Row)	—	66.1	66.1
J	Hip Room (5th Row)	—	—	65.8

(1) Excluding mirrors.

E-Series Wagon

2009 E-Series Wagon

Weight Ratings

GVWR/passenger Capacity/OPT & ARC/Spring & GAWR (Front Computer-selected)/
Base Curb Weight

Model	WB (in.)	Engine/ Trans.	Maximum GVWR (lbs.)	Maximum Passenger Capacity	OPT/ARC Weight (lbs.) ⁽¹⁾	Spring/GAWR (lbs.) ⁽²⁾		Base Curb Weight (lbs.)		
						Front Max.	Rear	Front	Rear	Total
E-150	138	4.6L/Auto	8520	8	546	3700 – 3800	5120	3058	2652	5710
Wagon	138	5.4L/Auto	8600	8	506	3700 – 3800	5120	3099	2651	5750
E-350 SD	138	5.4L/Auto	8800	12	879	3700 – 3900	5360	3124	2906	6030
Wagon	138	6.8L/Auto	8700	12	572	3550 – 3800	5360	3117	2907	6024
E-350 SD	138	5.4L/Auto	9300	11	1228	3400 – 3700	6084	3061	3186	6217
Extended	138	6.8L/Auto	9500	11	1022	3550 – 3800	6084	3192	3259	6451
Wagon	138	5.4L/Auto	9100	15	351	3250 – 3400	6084	2990	3407	6397
	138	6.8L/Auto	9300	15	345	3400 – 3550	6084	3121	3480	6601

(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 page 29 for Standard Powertrain/Chassis Equipment Specifications. Refer to Accessory Reserve Capacity (ARC) Calculation/Worksheet on page 3-6 of the 2009 Source Book Appendices Payload section.

2009 E-Series Wagon

E-SERIES WAGON

Standard Seating Capacity/ Powertrain/Chassis Equipment Specifications

MODEL: WAGON		E-150			E-350 SUPER DUTY®		E-350 SUPER DUTY EXTENDED				
— 138" WB		XL	XLT	XLT Premium	XL	XLT	XL	11	15	11	
TRIM:											
PASSENGER CAPACITY:		8	8	7	12	12	15	11	15	11	
SEATING ARRANGEMENTS:											
Bucket Seats	— Dual (1st row)	■			■		■	■			
Captain's Chairs	— Dual (1st row)		■			■			■	■	
	— Quad (1st/2nd row)			■							
Bench Seat	— 3 Pass. (2nd row)	■	■		■	■	■	■	■	■	
	— 3 Pass. (3rd row)	■	■	■	■	■	■	■	■	■	
	— 3 Pass. (4th row)						■		■	■	
	— 4 Pass. (4th row)				■	■		■			
	— 4 Pass. (5th row)						■		■		
POWERTRAIN:											
Engine	— Application	Refer to Preferred Equipment Packages for 50 States Usage									
	— Type	4.6L SEFI V8				5.4L 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				Semi-Floating, Dana 9.75"					
	— Capacity (Rating @ Ground)	5520 lbs.				6340 lbs.					
BRAKES:											
Front Disc	— Type	Dual Piston Caliper (2.36" Caliper Piston)									
	— Size	13.58" Diameter Rotor									
Rear Disc	— Type	Dual Piston Caliper (1.89" Caliper Piston)									
	— Size	13.58" Diameter Rotor									
	— Boost Ratio	7.5:1									
Power Assist Unit	— Type	Dual Diaphragm									
	— Effective Dia.	13.46"									
Anti-Lock System		4-Wheel ABS									
Parking Brake	— Rear Brakes	Foot Operated, Push to Apply/Pull Hand Lever to Disengage									
ELECTRICAL:											
Alternator	— Rating	6G135 - 120 Ampere, 1620 Watts ⁽¹⁾				SC2 - 155 Ampere, 2090 Watts ⁽¹⁾					
Battery	— Type	Maintenance-Free									
	— Rating	72 Amp-hr., 650 CCA									
FUEL TANK:	— Capacity	35-Gallon Midship									
JACK:	— Capacity	2-Ton Mechanical									
STEERING:	— Type	Power, Ford XR-50 (H.D. Gear On E-350 Super Duty Wagons)									
	— Ratio	17.0:1									
SUSPENSION:											
Frame	— Type	Single Channel, 5-Crossmembers (6 With E-350 Super Duty Wagons), 36,000 psi Steel									
	— Section Modulus	3.30 cu. in.				5.44 cu. in.					
Springs, Front	— Type	Coil, Computer-Selected									
	— Rating @ Ground (min.)	3550 lbs.				3400 lbs.		3100 lbs.			
Springs, Rear	— Type	Multi-Leaf, Two-Stage									
	— Rating @ Ground (min.)	5120 lbs.				5545 lbs.		6195 lbs.			
Shock Absorbers	— Gas-Type	35mm									
Stabilizer Bar	— Front—Diameter	25.4mm									
TIRES:	— Type	Five, BSW, Steel-Belted Radial, All-Season									
	— Size	LT225/75Rx16E						LT245/75Rx16E			
	— Spare tire carrier	Frame-Mounted at Rear with Cable Retention									
WHEELS:	— Type & Size	Five, 8-Hole Disc, 16" x 7.0" J Steel									

(1) Rated current @ 6000 rpm per ISO 8854; 1988(E) and SAE J56 JUN 1999.

2009 E-Series Wagon

Technical Specifications

Axles

FRONT AXLE SPECIFICATIONS

Model/Series	E-150/E-350 Wagon	
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	Stamped 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 Wagon	E-350 Super Duty® Wagon
Make	Dana 9.75	Dana 9.75" HD
Rating @ Ground (lbs.)	5520	6340
Type	Semi-Floating	
Driveline Attachment (in.)	4.25 Circular Flange	
Housing	— Type	Cast Center
	— Cover Attachment	Bolted
Section	— Tube Diameter (in.)	3.50
	— Thickness (in.)	0.33
Lubricant Capacity (pt.)	6.25	
Spring Centers (in.)	48.92	
Wheel Bearings	— Type	Straight Roller
Gears	— Type	Hypoid
	— Material	Alloy Steel
Ring Gear	— Pitch Diameter (in.)	9.75
Pinion	— Mounting	Overhung
Differential	— Type	2-Pinion
	— L/S Type	Traction-Lok
Axle Shaft	— Spline - Minor Diameter (in.)	1.36
	— Spline - Major Diameter (in.)	1.45
	— No. of Splines	35

Brakes

HYDRAULIC BRAKE EQUIPMENT SPECIFICATIONS — FRONT/REAR

Type	Model/Series	Rotor Dia. (in.)		Brake Lining Segment	Area (sq. in.)		Caliper Piston Dia. (in.)	Gross Lining Area Per Axle (sq. in.)	Total Swept Area Per Axle (sq. in.)
		OD	ID		Width (sq. in.)	Thickness (sq. in.)			
Disc	E-150/E-350 (Front)	13.58	9.06	Outboard	7.16/2.34/0.489	2.36	49.60	270.40	
	E-150/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 Wagon

E-SERIES WAGON

Technical Specifications cont'd

Brakes cont'd

BRAKE MASTER CYLINDER SPECIFICATIONS

Type	Model/Series	Bore Diameter (in.)
Dual System, Dash-Mounted	E-150	1.125
	E-350 SD Wagon	1.250

POWER BRAKES VACUUM BOOSTER SPECIFICATIONS

Make/Type	Model/Series	Effective Diameter (in.)	Outside Diameter (in.)	Diaphragm Type
Dash-Mounted	All	13.46	10.92	Dual

Cooling Systems

COOLING SYSTEM SPECIFICATIONS

Engine	Cooling	Trans. Usage	Frontal Area (sq. in.)	Core Size (in.)			Rows of Tubes	Fins Per Inch	Cooling System Capacity (approx. quarts)	Fan Specifications		
				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

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 Wagon	4.6L SEFI	4R75E	20 - 5/16" Port	20 - 5/16" Port	20 - 5/16" Port
	5.4L SEFI	4R75E	20 - 1/2" Port	20 - 1/2" Port	20 - 1/2" Port
E-350 Super Duty® Wagon	6.8L SEFI	TorqShift®	20 - 1/2" Port	20 - 1/2" Port	24 - 1/2" Port

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
Fuel Pump	All Gasoline Engines	Electric-In-Tank High Pressure
Fuel Filter	All Gasoline Engines	In-Line Large Capacity (One)
Air Cleaner	All Engines	Dry Element, Replaceable

2009 E-Series Wagon

Technical Specifications cont'd

Steering

STEERING SPECIFICATIONS

Model/Series	Power Steering ⁽¹⁾		Turning Diameter (ft.) ⁽²⁾	
	Gear Ratio	Overall Ratio	Curb-to-Curb	Wall-to-Wall
E-150 Wagon	17:1	21.2:1	48.6	50.1
E-350 Super Duty® Wagon	17:1	21.2:1	48.6	50.0
E-350 Super Duty Extended Wagon	17:1	21.2:1	48.6	50.0

(1) 15-1/2" diameter steering wheel.

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

Suspensions

FRAME SPECIFICATIONS

Model/Series	Wheelbase (in.)	Maximum Side Rail Section (in.)	Section Modulus (in.) (psi)	Yield Strength
E-150 Wagon	138	6.05 x 3.18 x 0.161	2.92	36,000
E-350 Super Duty Wagon ⁽¹⁾	138	6.16 x 3.18 x 0.181	3.30	36,000
E-350 Super Duty Wagon ⁽²⁾	138	7.69 x 3.18 x 0.212	5.44	36,000

(1) Regular Length w/5.4L Engine.

(2) Extended length.

SHOCK ABSORBER SPECIFICATIONS

Model/Series	Usage	Front & Rear		
		No. Used	Piston Dia. (mm)	Type
E-150 Wagon	Std.	4	32	Gas-Pressurized
E-350 Super Duty Wagon	Std.	4	32	Gas-Pressurized

SPRING SPECIFICATIONS — FRONT COIL

Model/Series	Wheel-base (in.)	Combined Rating @ Ground (lbs.)	Norm. Working Height of Spring (in.)	Inside Diameter (in.)	Wire Diameter (mm)	Deflection Rate @ Ground (lbs. per in. each)	Rating Each @ Pad (lbs. per spring)
E-150 Wagon	138	3800	12.0	4	.764	332	2165
		3900	12.0	4	.775	346	2229
E-350 Super Duty Wagon	138	3400	12.0	4	.717	294	1924
		3800	12.0	4	.717	332	1924
		3900	12.0	4	.775	346	2229
		4400	12.0	4	.783	349	2542

2009 E-Series Wagon

E-SERIES WAGON

Technical Specifications cont'd/ Special Applications

SPRING SPECIFICATIONS — REAR LEAF

Model/Series	Wheel-base (in.)	Combined Rating @ Ground (lbs.)	Number of Leaves	Total Thickness @ Pad (in.)	Length (in.)	Width (in.)	Deflection Rate (lbs. per in./spring) Two-Stage	Rating Each @ Pad (lbs. per spring)
E-150 Wagon	138	5120	4	1.94	55.0	3.00	379/565	2095
E-350 Super Duty® Wagon	138	5545	4	1.94	55.0	3.00	350/649	2447
E-350 Super Duty Extended Wagon	138	6195	4	2.00	55.0	3.00	373/699	2772

Tires and Wheels

TIRE SPECIFICATIONS

Size	Rim Width (in.)	Section Width (in.)
LT245/75Rx16	7.0	9.65
LT225/75Rx16	7.0	8.86

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"	0.25	8	6.5	2300 Front/ 3045 Rear
Forged Aluminum	16" x 7.0"	0.25	8	6.5	3045

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
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	—	1.86 (6.8L)
Lubricant Capacity (pt.)	13.2 (E Lifetime Fluid)	19.0 (6.8L)
Gear Set	Helical	Spur
Oil Cooler	Water	Oil to Air and In-Tank

Special Applications

Trailer Towing Information

NOTE: For additional towing information, please refer to the 2009 RV & Trailer Towing Guide that was shipped with your 2009 Source Books or the vehicle's Owner Guide.

Snowplow Information

NOTE: Not recommended for Snowplow Applications.

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