

# 14RV & TRAILER TOWING GUIDE



LINCOLN



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For every application, from Cars to Trucks and Chassis, there's a model ready and waiting to meet your needs.

## Outstanding towing capabilities.

Make no mistake, 2014 Ford Pickups and Chassis Cabs are the real leaders – pulling the heaviest trailers in their classes. In fact, when properly equipped, the Super Duty® can handle conventional trailers up to 18,500 pounds and 5th-wheel trailers all the way up to 26,600 pounds.

## Proven experience.

Decades of RV and towing experience in every configuration.

## Quality and reliability.

Ford RV and trailer towing products continue to provide a winning combination; high-quality, reliability and high-performance and are backed by decades of RV and towing experience.

### New SAE Towing Standard

The Society of Automotive Engineers (SAE) testing standard J2807 determines towing numbers and gross combined weight ratings (GCWR). This standard allows for a more accurate comparison of similar sized vehicles with gross vehicle weight ratings (GVWR) under 13,000 pounds. Ford began applying the standard on the all-new 2013 Fusion, MKZ and Escape models. For 2014, Transit Connect has been added. Future all-new Ford vehicles will comply with this standard.

*The following vehicles are not recommended for trailer towing: C-MAX Hybrid, C-MAX Energi, Fiesta, Focus, Shelby® GT500®, Fusion Hybrid, Fusion Energi, Taurus SHO, and MKZ Hybrid.*





## **F-150 – Built Ford Tough®.**

Exceptional space, power, towing capability and its Built Ford Tough credentials make the 2014 F-150 the preferred choice for towing and hauling. F-150's exciting features, including available integrated trailer brake controller, trailer tow mirrors and rearview camera ensure your truck is a custom fit for your specific needs. All 4WD models include neutral tow functionality and maximum trailer tow packages include an upgraded rear bumper and trailer tow mirrors.

**Powertrain Lineup** – extensively tested to meet high-durability and reliability standards

- 3.7L 4V DOHC V6 and Flex Fuel capability delivers 302 hp and 278 lb.-ft. of torque
- 5.0L 4V DOHC V8 and Flex Fuel capability delivers 360 hp and 380 lb.-ft. of torque
- 6.2L 2V SOHC V8 delivers 411 hp and 434 lb.-ft. of torque
- 3.5L 4V DOHC V6 EcoBoost® delivers 365 hp and 420 lb.-ft. of torque
- Standard 6-speed automatic transmission with Tow/Haul Mode
- All engines include Aggressive Deceleration Fuel Shut-off (ADFSO)

**New for 2014, a CNG/LPG Gaseous Engine Prep Package is available for 3.7L V6 engine.**

**Outstanding performance.**

**TOWING CAPABILITY**  
**11,300 pounds**

**PAYLOAD CAPACITY**  
**3,120 pounds<sup>(1)</sup>**

**CARGO BOX VOLUME**  
**81.3 cu. ft.**

### **F-150 Features**

Three cab styles – Regular, SuperCab and SuperCrew

Fully boxed ladder-style frame, with hydroformed high-strength steel and throughwelded cross members for excellent handling control and responsiveness

Tuned shear-style body mounts help keep road vibration away from the vehicle body for a quiet and comfortable ride

4-wheel vented disc brakes with standard 4-wheel Anti-lock Brake System (ABS) and electronic brake force distribution for responsive, confident stops and exceptional control under hard braking

Deep cargo boxes offering great capacity, plus best-in-class pickup box access – available steps on all three sides<sup>(2)</sup>

(1) Best-in-class payload when properly equipped.

(2) When properly equipped. Class is full-size pickups under 8,500 lbs. GVWR non-hybrid vs. 2013/2014 competitors.



## Super Duty® Pickups – Proven work horses.

The 2014 Ford F-Series Super Duty F-250/F-350/F-450 comes with the most equipment configurations of any truck in its class and there's one just right for you and your work. Built Ford Tough® powertrains deliver best-in-class<sup>(1)</sup> gas horsepower and torque, diesel horsepower and standard diesel torque. Backed by best-in-class maximum payload and conventional towing capabilities<sup>(2)</sup> and standard trailer sway control, Super Duty helps you get the job done when no one else can.

**HORSEPOWER**  
**400 hp @ 2800 rpm<sup>(3)</sup>**

**TORQUE**  
**800 lb.-ft. @ 1600 rpm<sup>(3)</sup>**

**CONVENTIONAL TOWING**  
**up to 18,500 lbs.<sup>(4)</sup>**

**5TH-WHEEL TOWING**  
**up to 24,700 lbs.<sup>(4)</sup>**

**PAYLOAD**  
**up to 7,260 lbs.<sup>(5)</sup>**

(1) Class is full-size pickups over 8,500 lbs. GVWR vs. 2013/2014 competitors.

(2) When properly equipped.

(3) 6.7L Power Stroke® V8 Turbo Diesel.

(4) Maximum capacity when properly equipped. See your Ford dealer for specific equipment requirements and other limitations.

(5) F-350 DRW Regular Cab 4x2 with 6.2L engine.

(6) Available feature.

(7) Remember that even advanced technology cannot overcome the laws of physics. It's always possible to lose control of a vehicle due to inappropriate driver input for the conditions.

(8) Standard on F-350 DRW/F-450; optional on F-250/F-350 SRW.

(9) TBC verified to be compatible with electrically actuated drum brakes and certain Electric-Over-Hydraulic brake systems. See your Ford dealer for details.

(10) 6.7L Power Stroke® V8 Turbo Diesel.

## Your power – your choice.

### 6.7L V8 Turbo Diesel

**Maximum power – quickly.** The diesel's class-exclusive, single-sequential turbocharger features a compactly designed, dual-sided compressor wheel that helps efficiently generate the best horsepower and standard diesel torque in the class.

**Upfits powered any time.** If the diesel engine's running, whether the truck is in motion or at a complete stop, you can power upfits with our class-exclusive, live-drive power take-off (PTO) provision.<sup>(6)</sup> It keeps the job going with an output gear linked directly to the engine crankshaft.

### 6.2L 2-valve V8 gas

**Serious low-rpm torque.** The gas engine's stiff SOHC valvetrain with roller-rocker shafts enables an intake- and exhaust-port layout that optimizes airflow for lots of torque when you need it most.

**Balanced performance.** Dual-equal variable cam timing phases the intake- and exhaust-valve opening and closing events simultaneously to optimize fuel economy, low-end torque and peak horsepower. Plus, using two spark plugs per cylinder helps the fuel-air mixture burn efficiently, contributing to fuel economy and engine torque.

## Hit the ground towing!

### Standard Trailer Sway Control

- **Single-rear-wheel (SRW) models** – Trailer Sway Control works with AdvanceTrac® with RSC® (Roll Stability Control™) using a yaw motion sensor to monitor the motions of the truck to detect trailer sway. When sway is detected, the system works to apply selected brakes and/or reduce engine power to help the driver regain control<sup>(7)</sup>
- **Dual-rear-wheel (DRW) models** are not equipped with AdvanceTrac®, but operate with a similar yaw motion sensor to detect and control trailer sway and apply brake pressure selectively to the front brakes or reduce engine power to help the driver maintain control

### Integrated Trailer Brake Controller (TBC)<sup>(8)</sup>

- Uses braking input, vehicle speed and ABS logic to balance the performance of the truck brakes and electric trailer brakes
- User-friendly productivity screen in instrument cluster message center indicates TBC<sup>(9)</sup> output, gain levels and trailer connection status

### Tow/Haul Mode With Integrated Exhaust Brake<sup>(10)</sup>

- Automatically increases engine exhaust back pressure when needed to help slow the vehicle and trailer while in Tow/Haul Mode
- A single touch of the brake pedal in Tow/Haul Mode activates the system to improve control with less wear and tear on the transmission

### Standard Hill Start Assist

- Helps prevent rolling back on a grade by momentarily maintaining brake pressure until the engine delivers enough torque to move the truck up the hill
- Whether heading up an incline in drive or in reverse, you're covered

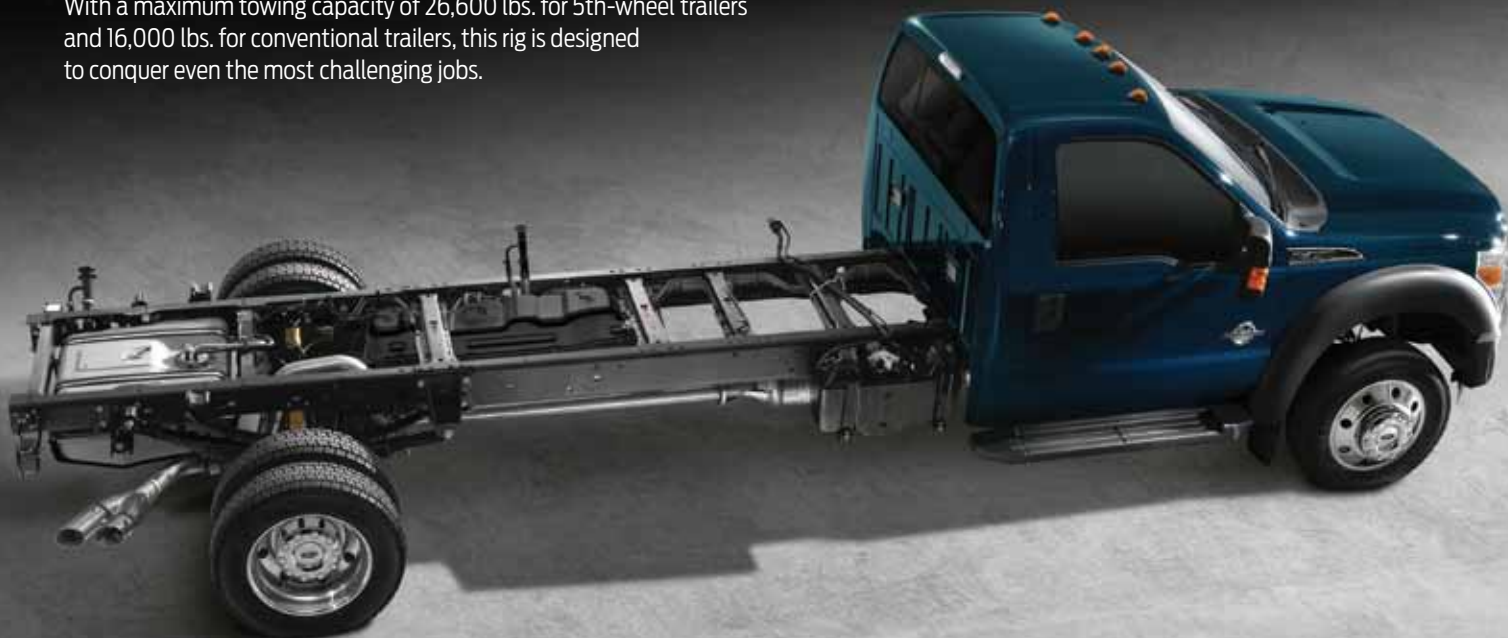
### 5th-Wheel/Gooseneck Prep Package

- Available on all models
- Provides the necessary under-the-bed hardware to allow mounting of a 5th-wheel/gooseneck hitch in the pickup bed to put more of the trailer weight over the tow vehicle



## ***Super Duty® Chassis Cabs – Hard-line capability.***

The Super Duty Chassis Cab F-350/F-450/F-550 reinforces the tradition of F-Series toughness and continues to handle the most hard-line towing jobs and aggressive payloads. Trusted by those who own the work, purpose-built Ford powertrains help deliver excellent fuel economy and torque. With a maximum towing capacity of 26,600 lbs. for 5th-wheel trailers and 16,000 lbs. for conventional trailers, this rig is designed to conquer even the most challenging jobs.



### **Powerful Ford 6.8L 3V SOHC V10.**

The V10 gas powerplant gets your heavy loads moving with up to 457 lb.-ft. of torque and 362 horsepower on F-450 and F-550

It's paired with a TorqShift® 5-speed automatic transmission featuring a massive torque converter, beefy gear sets and a selectable Tow/Haul Mode

The optional CNG/LPG Gaseous Engine Prep Package includes hardened valves and valve seats to help ready your Super Duty for alternative-fuel upfits

**CNG/LPG Gaseous Engine Prep Package  
Available for 6.2L Gas Engine on F-250/350.**



For more information on any of these Ford trucks, see your Ford dealer or visit [www.ford.com](http://www.ford.com).

**M** Metric Conversion – To obtain information in kilograms, multiply pounds by .45; to obtain information in kilometers, multiply miles by 1.6; to obtain information in centimeters, multiply inches by 2.54.



## ***Ford power and strength.***

### **Class A Motorhome Chassis Features**

Seven wheelbase choices: 158/178/190/208/228/242/252-inch

Six Gross Vehicle Weight Ratings (GVWRs): 16,000/18,000/20,500/22,000/24,000/26,000 lbs.

Three Gross Combination Weight Ratings (GCWRs): 23,000/26,000/30,000 lbs. for excellent towing capabilities (7,000 lbs. maximum trailer weight at 16,000-lb. GVWR)

6.8L 3-valve SOHC V10 gas engine (362 hp/457 lb.-ft. of torque)

TorqShift® 5-speed automatic transmission with Tow/Haul Mode

4-wheel disc Anti-lock Brake System (ABS) for consistent, responsive braking performance

19.5-inch wheels and tires

22.5-inch aluminum wheels included with 22,000/24,000/26,000 lbs. GVWR

Heavy-duty front track bar enhances ride and handling on all models (optional on 16,000-lb. GVWR)

81-inch front tread width contributes to handling and lateral stability (79-inch on 22,000/24,000/26,000-lb. GVWRs)

Designed to accommodate wide-body and slide-out type motorhomes

### **Additional Features Include**

- High-capacity front axle system
- 80-gallon fuel tank
- Large-diameter stabilizer bars, front and rear, for ride control
- Custom BILSTEIN® monotube gas-pressurized shock absorbers, front and rear, for a smooth, controlled ride







## ***Built for serious business.***

### **Commercial Stripped Chassis Features**

Four wheelbase choices: 158/178/190/208-inch

Three Gross Vehicle Weight Ratings (GVWRs): 16,000/19,500/22,000 lbs.

Two Gross Combination Weight Ratings (GCWRs): 23,000/26,000 lbs.

6.8L 3-valve SOHC V10 gas engine (362 hp/457 lb.-ft. of torque)

TorqShift® 5-speed automatic transmission with Tow/Haul Mode

4-wheel disc Anti-lock Brake System (ABS) for consistent, responsive braking performance

19.5-inch wheels and tires

40-gallon fuel tank capacity

Heavy-duty Sachs shock absorbers

7-wire trailer wiring harness with relays, blunt cut and labeled

Low load floor height for ease of cargo loading

Front and rear stabilizer bars

Driver's steering column positioned for easy ingress and egress

Wide rear axle

**M** **Metric Conversion** – To obtain information in kilograms, multiply pounds by .45; to obtain information in centimeters, multiply inches by 2.54; to obtain information in liters, multiply gallons by 3.8; to obtain information in kilometers, multiply miles by 1.6.





## America's #1 selling Class C Motorhome Chassis.<sup>(1)</sup>

### E-Series Class C Motorhome Chassis Features

Three wheelbase choices: 138/158/176-inch

Up to 14,500 lbs. GVWR and 22,000 lbs. GCWR<sup>(2)</sup>

Powerful 5.4L 2-valve FFV V8 and 6.8L 2-valve SOHC V10 engines

TorqShift® 5-speed automatic transmission with Tow/Haul Mode

97,500-mile scheduled tune-up interval<sup>(3)</sup>

Out-front engine design provides spacious cab with access to "living area" and ease of ingress/egress

Twin-I-Beam independent front suspension (with caster/camber adjustment), front stabilizer bar and gas-pressurized shock absorbers contribute to a smooth, comfortable ride

Driver and front passenger airbags<sup>(4)</sup>

4-wheel disc Anti-lock Brake System (ABS)

Available CNG/LPG Gaseous Engine Prep Package<sup>(5)</sup>

Available Integrated Trailer Brake Controller (TBC)

Steel ladder-type truck frame with seven cross members

40-gallon fuel tank (E-350; optional on E-450); 55-gallon fuel tank (E-450; optional on E-350 DRW with 158-inch wheelbase)

Van-like driver position with ergonomic instrument panel and controls

(1) Based on August 2012 CYTD motorhome registrations. Source: Statistical Surveys, Inc.

(2) 22,000-lb. GCWR requires electrical connector heat shield on all E-450 Cutaways with 6.8L engines.

(3) Under normal driving conditions with routine fluid/filter changes.

(4) Always wear your safety belt.

(5) See your Ford dealer for details.

## Motorhome Customer Care – just a phone call away.

### Customer Assistance Center

This 24-hour, seven-days-a-week hotline was designed to serve both motorhome owners and RV dealers. By simply calling **1-800-444-3311**, the caller has access to:

- The nearest appropriate service location
- Assistance in scheduling a service appointment
- Service assistance for motorhome customers and RV dealers in resolving Ford chassis-related concerns

### In-Dealership Service Support

- Over 1,900 Ford dealerships in the U.S. and Canada provide Class C motorhome service support
- Certified service technicians backed by computerized diagnostics and national technical hotline support
- Verification of available owner notification and recall information affecting motorhomes



**Metric Conversion** – To obtain information in kilograms, multiply pounds by .45; to obtain information in centimeters, multiply inches by 2.54.





## ***E-Series Conversions – enjoy the ride.***

From camping to simply traveling in enhanced comfort and style, E-Series Van conversions<sup>(1)</sup> hit the mark for recreational use. Converters offer an extensive selection of styles, designs and luxury furnishings to uniquely set your van apart from any others.

Ford E-Series Recreational Vans provide the perfect foundation for the complete range of van conversions. Ford works with a number of Ford Authorized Converters to create conversion vans that meet our exacting standards of quality and customer satisfaction. See your Ford dealer for complete details on vehicles available from Ford Authorized Van Converters.

Features that make Ford E-Series a very popular choice for people who want to take their travel experience to the next level include:

Sturdy body-on-frame construction

Outstanding towing capabilities – up to 7,500 lbs. on properly equipped E-150

E-150 and E-250 offer two engine choices, each with 4-speed automatic overdrive transmission:

- 4.6L SOHC V8 with 225 hp<sup>(2)</sup>
- 5.4L SOHC V8 with 255 hp<sup>(2)</sup>

E-350 Super Duty® offers an optional 6.8L SOHC V10 engine with TorqShift® 5-speed automatic transmission including Tow/Haul Mode

Standard 4-wheel disc Anti-lock Brake System (ABS)

Exclusive Twin-I-Beam independent front suspension for ruggedness and smooth ride

Standard AdvanceTrac® with RSC® (Roll Stability Control™)

Tire Pressure Monitoring System – standard on all van and wagon E-Series applications



## ***Class B Van Campers – a perfect fit.***

E-Series Recreational Vans provide an excellent base unit for Class B campers. Converters make major modifications, including sleeping, kitchen and bathroom facilities, as well as 110-volt electrical hookup, fresh water storage and/or city water hookup. These custom conversions typically include a high roof that can provide greater comfort by allowing occupants to stand up inside. If a Class B van camper matches your recreational needs, make sure it starts out as a Ford E-Series Van.

(1) Completed by authorized converters.

(2) Flex Fuel capable.

## F-Series Pickup slide-in campers.

### Slide-In Camper Installation

- Consult your camper manufacturer/dealer for details regarding proper installation of your slide-in camper
- A dimensionally stable block spacer is recommended between the headboard of the pickup box and the forward edge of the camper floor. Resting the spacer on the pickup box bed helps prevent movement and contact of the fully installed camper with the pickup box headboard or taillight rear pillars

**Note:** Be sure to measure your slide-in camper before attempting to install it onto the bed of the truck. Some campers may require a platform in the bed of the truck to make sure there is adequate clearance for both the box rails and cab roof of the truck.

### Camper Center-of-Gravity

- All Styleside pickups that qualify for slide-in camper bodies have camper center-of-gravity included on the Consumer Information Sheet in the glovebox
- Data is calculated for each individual truck, based on vehicle options
- If vehicle does not qualify for camper use, the Consumer Information Sheet states that the vehicle is not recommended for camper use, and no center-of-gravity data is shown

### F-150 Heavy-Duty Payload Package (Option Code 627)

Increases GVWR to 8,200 pounds.

- LT245/75R17E BSW A/T tires (5)
- High-capacity 17" 7-lug steel wheels (XL)
- High-capacity 17" 7-lug aluminum wheels (XLT/Lariat)
- Heavy-duty shock absorbers
- Upgraded springs, radiator and auxiliary transmission oil cooler
- 9.75" gear set with 3.73 limited slip axle

Available on XL and XLT Regular Cab and SuperCab models with 8' box and XL, XLT and Lariat SuperCrew with 6.5' box. Requires 5.0L V8 or 3.5L V6 EcoBoost® gas engine. Trailer Tow Package required when ordered with 5.0L engine. Max Trailer Tow Package also required with 3.5L V6 EcoBoost® engine.

### F-250/F-350/F-450 Super Duty® Camper Package (Option Code 471)

- Increased capacity front springs (2 Up [4x2] or 1 Up [4x4] upgrade over springs computer-selected based on options ordered. Not included if maximum springs already selected.)
- Rear stabilizer bar (SRW)
- Rear auxiliary springs (F-250)
- Slide-in camper certification

**If you intend to pull a trailer in addition to carrying your camper, see the F-Series Pickup Trailer Towing Selector charts on pages 15–16.**

## F-Series Pickup/Camper Combination Selector

Combined weight of vehicle, camper body, occupants and cargo must not exceed Gross Vehicle Weight Rating (GVWR)

Heavy-Duty Payload Package (Option Code 627) required with F-150

Camper Package (Option Code 471) required with F-250/F-350/F-450 Super Duty

Cargo Weight Rating shown in chart is maximum allowable, assuming weight of a base vehicle with required camper option content and a 150-lb. passenger at each available seating position

Ratings also assume weight of engine and standard transmission. Cargo Weight Rating shown must be further reduced by weight of transmission upgrade and any other options. Option weights and center-of-gravity information are available on the Ford Pickup Truck Consumer Information Sheet

### MAXIMUM CARGO WEIGHT WITH SLIDE-IN CAMPER

**Note:** The following chart lists GVWRs and Maximum Cargo Weights (with minimum equipment) by engine for each approved pickup model: 3.5L V6 EcoBoost®, 5.0L V8, 6.2L V8 and 6.7L Power Stroke® Turbo Diesel V8.

Model	Wheelbase	GVWR (Lbs.)				Maximum Cargo Weight Rating (Lbs.)			
		3.5L	5.0L	6.2L	6.7L	3.5L Std.	5.0L Std.	6.2L Std./Opt. <sup>1</sup>	6.7L Std./Opt. <sup>1</sup>
<b>F-150 (1)</b>									
4x2 Reg. Cab	144.5"	8,200	8,200	–	–	2,667	2,687	– / –	– / –
4x2 SuperCab	163.0"	8,200	8,200	–	–	1,826	1,831	– / –	– / –
4x2 SuperCrew	156.5"	8,200	8,200	–	–	1,746	1,748	– / –	– / –
4x4 Reg. Cab	144.5"	8,200	8,200	–	–	2,383	2,382	– / –	– / –
4x4 SuperCab	163.0"	8,200	8,200	–	–	1,515	1,523	– / –	– / –
4x4 SuperCrew	156.5"	8,200	8,200	–	–	1,440	1,455	– / –	– / –
<b>F-250 Super Duty (2)</b>									
4x2 Reg. Cab	137.0"	–	–	10,000	10,000	–	–	3,807/ –	3,120/ –
4x2 SuperCab	141.8"	–	–	10,000	10,000	–	–	3,024/ –	2,352/ –
4x2 SuperCrew	158.0"	–	–	10,000	10,000	–	–	2,927/ –	2,189/ –
4x2 Crew Cab	156.2"	–	–	10,000	10,000	–	–	2,813/ –	2,153/ –
4x2 Crew Cab	172.4"	–	–	10,000	10,000	–	–	2,708/ –	1,980/ –
4x4 Reg. Cab	137.0"	–	–	10,000	10,000	–	–	3,397/ –	2,709/ –
4x4 SuperCab	141.8"	–	–	10,000	10,000	–	–	2,626/ –	2,005/ –
4x4 SuperCrew	158.0"	–	–	10,000	10,000	–	–	2,524/ –	1,798/ –
4x4 Crew Cab	156.2"	–	–	10,000	10,000	–	–	2,427/ –	1,797/ –
4x4 Crew Cab	172.4"	–	–	10,000	10,000	–	–	2,314/ –	1,591/ –
<b>F-350 Super Duty (2)</b>									
4x2 SRW Reg. Cab(3)	137.0"	–	–	10,000	10,500*	–	–	3,694/ –	3,553/3,053
4x2 SRW SuperCab(3)	141.8"	–	–	10,000	10,700*	–	–	2,957/ –	2,986/2,286
4x2 SRW SuperCrew(3)	158.0"	–	–	10,200*	10,800*	–	–	3,088/2,888	2,953/2,153
4x2 SRW Crew Cab(3)	156.2"	–	–	10,200*	10,800*	–	–	2,974/2,774	2,916/2,116
4x2 SRW Crew Cab(3)	172.4"	–	–	10,500*	11,100*	–	–	3,140/2,640	3,043/1,943
4x2 SRW Reg. Cab(4)	137.0"	–	–	10,500	11,000	–	–	4,153/ –	4,012/ –
4x2 SRW SuperCab(4)	141.8"	–	–	10,500	11,000	–	–	3,415/ –	3,244/ –
4x2 SRW SuperCab(4)	158.0"	–	–	10,900	11,500	–	–	3,746/ –	3,611/ –
4x2 SRW SuperCab(4)	158.0"	–	–	–	11,400	–	–	– / –	3,511/ –
4x2 SRW Crew Cab(4)	156.2"	–	–	10,700	11,400	–	–	3,432/ –	3,475/ –
4x2 SRW Crew Cab(4)	172.4"	–	–	11,000	11,500	–	–	3,599/ –	3,402/ –
4x2 SRW Crew Cab(4)	172.4"	–	–	–	11,400	–	–	– / –	3,302/ –
4x2 DRW Reg. Cab	137.0"	–	–	13,500	14,000	–	–	6,829/ –	6,687/ –
4x2 DRW SuperCab	158.0"	–	–	13,900	14,000	–	–	6,382/ –	5,738/ –
4x2 DRW Crew Cab	172.4"	–	–	14,000	14,000	–	–	6,256/ –	5,518/ –
4x4 SRW Reg. Cab(3)	137.0"	–	–	10,400*	10,800*	–	–	3,682/3,282	3,433/2,633
4x4 SRW SuperCab(3)	141.8"	–	–	10,500*	11,100*	–	–	3,069/2,569	3,029/1,929
4x4 SRW SuperCab(3)	158.0"	–	–	10,700*	11,200*	–	–	3,186/2,486	2,951/1,751
4x4 SRW Crew Cab(3)	156.2"	–	–	10,600*	11,200*	–	–	2,989/2,389	2,931/1,731
4x4 SRW Crew Cab(3)	172.4"	–	–	10,800*	11,200*	–	–	3,076/2,276	2,739/1,539
4x4 SRW Reg. Cab(4)	137.0"	–	–	11,100	11,500	–	–	4,302/ –	4,058/ –
4x4 SRW Reg. Cab(5)	137.0"	–	–	–	11,400	–	–	– / –	3,958/ –
4x4 SRW SuperCab(4)	141.8"	–	–	11,100	11,500	–	–	3,594/ –	3,357/ –
4x4 SRW SuperCab(5)	141.8"	–	–	–	11,400	–	–	– / –	3,257/ –
4x4 SRW SuperCab(4)	158.0"	–	–	11,000	11,500	–	–	3,411/ –	3,179/ –
4x4 SRW Crew Cab(4)	156.2"	–	–	11,300	11,500	–	–	3,614/ –	3,154/ –
4x4 SRW Crew Cab(4)	172.4"	–	–	11,200	11,500	–	–	3,401/ –	2,964/ –
4x4 DRW Reg. Cab	137.0"	–	–	13,800	14,000	–	–	6,713/ –	6,268/ –
4x4 DRW SuperCab	158.0"	–	–	14,000	14,000	–	–	6,071/ –	5,335/ –
4x4 DRW Crew Cab	172.4"	–	–	14,000	14,000	–	–	5,853/ –	5,117/ –
<b>F-450 Super Duty (2)</b>									
4x4 DRW Crew Cab	172.4"	–	–	–	14,000	–	–	– / –	5,069/ –

(1) Requires Heavy-Duty Payload Package option. (2) Requires Camper Package option. (3) 17" tires and wheels. (4) 18" tires and wheels. (5) 18"/20" tires and wheels. \*10,000 pounds with optional 10,000 GVWR Package. <sup>1</sup>With 10,000 GVWR Package.



Individual vehicles have different restrictions and towing procedures. Contact your dealer for complete details. For safe operation, towed vehicles (or dollies or trailers carrying them) should be equipped with a separate functional brake system.



## Towing an extra set of wheels.

Many motorhome owners prefer the practicality of having another vehicle along when they travel. In fact, towing another vehicle behind the motorhome has become more and more popular in recent years. Furthermore, many of those who want to tow another vehicle prefer one that can be easily towed without a dolly or trailer. The car and truck models shown in the chart at right can be towed with all four wheels down. For safe operation, towed vehicles (or dollies or trailers carrying them) should be equipped with a separate functional brake system. See page 23 and back cover for additional brake information.

**Note:** Some aftermarket camper centers offer kits which may allow vehicles with automatic transmissions to be flat-towed. Check your new vehicle Warranty Guide, as this could void the warranty of your vehicle.

## FOUR-WHEEL-DOWN AVAILABILITY

	Manual Transmission	Automatic Transmission
<b>2014 Cars</b>		
Fiesta (all except ST)	Yes (1)	Yes (1)(2)
Focus (all except ST and Electric)	Yes (1)	Yes (1)(2)
Fusion Hybrid	N/A	Yes (5)(7)
MKZ Hybrid	N/A	Yes (5)(7)(8)
Fusion Energi	N/A	Yes (5)(7)
MKZ 3.7L (FWD/AWD)	N/A	Yes (3)(4)(5)(8)
Taurus 3.5L/3.5L EcoBoost® (FWD/AWD)	N/A	Yes (3)(4)(5)
MKS 3.7L/3.5L EcoBoost® (FWD/AWD)	N/A	Yes (3)(4)(5)
<b>2014 Crossovers</b>		
C-MAX Hybrid	N/A	Yes (5)(7)
C-MAX Energi	N/A	Yes (5)(7)
Flex 3.5L/MKT 3.7L (FWD/AWD)	N/A	Yes (3)(4)(5)
Flex/MKT 3.5L EcoBoost® (AWD)	N/A	Yes (3)(4)(5)
Edge 3.5L/3.7L/MKX 3.7L (FWD/AWD)	N/A	Yes (3)(4)(5)
<b>2014 SUVs and Trucks</b>		
Explorer 3.5L (FWD/AWD)	N/A	Yes (3)(4)(5)
Explorer 3.5L EcoBoost® (AWD)	N/A	Yes (3)(4)(5)
F-150 4x4	N/A	Yes (9)
F-250/F-350/F-450/F-550 Super Duty 4x4	N/A	Yes (6)

(1) Maximum speed is 70 mph.

(2) Transmission must be in neutral during four-wheel-down towing (ignition must be "ON" before shifting into neutral, see Owner's Manual).

(3) All-wheel-drive/Intelligent 4WD vehicles cannot be towed on a dolly.

(4) Maximum speed with automatic transmission is 65 mph.

(5) Start the engine and allow it to run for five (5) minutes at the beginning of each day and every six (6) hours thereafter.

(6) Only with manual shift transfer case vehicles, not Electronic Shift-On-the-Fly or 4x2 vehicles. Transmission in neutral, manual transfer case shifted into neutral, both hub locks in FREE position – refer to Owner's Manual.

(7) Maximum speed with hybrid transmission is 70 mph.

(8) Select "Neutral Tow" mode – refer to Owner's Manual.

(9) Place the transfer case and transmission in the neutral position and engage the four-wheel-down towing feature. See Owner's Manual.

**If your vehicle configuration is not listed in the chart above, then it's not available for Four-Wheel-Down towing.**



**Metric Conversion** – To obtain information in kilograms, multiply pounds by .45; to obtain information in kilometers, multiply miles by 1.6; to obtain information in centimeters, multiply feet by 30.48.



## DOLLY-TOW AVAILABILITY

2014 Ford Vehicles	FWD	RWD	AWD/4WD
Fiesta	Yes	N/A	N/A
Fiesta ST	Yes	N/A	N/A
Focus	Yes	N/A	N/A
Focus ST	Yes	N/A	N/A
Focus Electric	No	N/A	N/A
Mustang	N/A	No	N/A
Shelby® GT500®	N/A	No	N/A
Fusion	Yes	N/A	No
Fusion Hybrid	Yes	N/A	N/A
Fusion Energi	Yes	N/A	N/A
Taurus/Taurus SHO	Yes	N/A	No
Transit Connect	Yes	N/A	N/A
C-MAX Hybrid	Yes	N/A	N/A
C-MAX Energi	Yes	N/A	N/A
Edge	Yes	N/A	No
Flex	Yes	N/A	No
Escape	Yes	N/A	No
Explorer	Yes	N/A	No
Expedition	N/A	No	No
F-150	N/A	No	No
Super Duty Pickup/Chassis Cab	N/A	No	No
E-Series	N/A	No	N/A

## 2014 Lincoln Vehicles

MKS	Yes	N/A	No
MKT	Yes	N/A	No
MKX	Yes	N/A	No
MKZ	Yes	N/A	No
MKZ Hybrid	Yes	N/A	N/A
Navigator	N/A	No	No

N/A – Not applicable.

## A tow-dolly can do the trick.

Tow-dollies allow you to tow your vehicle behind a RV or motorhome if you are unable to four-wheel-down your car, truck or SUV. Tow-dollies work by letting the front two wheels of the vehicle rest on it while the back two wheels stay on the ground. They are not as long as the traditional trailers, which makes turning corners much easier.

Before using the tow-dolly there are a few things you must know before towing. Read the manufacturer's instructions that came with the tow-dolly before towing, loading or unloading the dolly. Attach the appropriate trailer hitch and drawbar hardware to the vehicle for the tow-dolly. Attach the dolly to the drawbar. The dolly should be completely secure and on level ground before the vehicle to be towed is put on or taken off the dolly. Drive the vehicle onto the dolly with its front wheels. Secure the vehicle to the tow-dolly according to the manufacturer's instructions. Follow the instructions for attaching and connecting the auxiliary lights to the back of the vehicle being towed. Test the auxiliary lights to make sure that the turn signals, stop lamps, and running lights work properly.



## Towing equipment.

It is essential that your vehicle includes any optional equipment needed to best perform its expected towing tasks.

This equipment falls into two categories: **Required and Recommended.**

**For a listing of all CUV/SUV/truck standard and optional towing equipment, see chart on page 14.**

**M** Metric Conversion – To obtain information in kilograms, multiply pounds by .45; to obtain information in kilometers, multiply miles by 1.6; to obtain information in square meters, multiply square feet by .09; to obtain information in centimeters, multiply inches by 2.54.

## REQUIRED Equipment

Includes items that must be installed.\* Your New Vehicle Limited Warranty (see your dealer for a copy) may be voided if you tow without them.

### Transit Connect

- For trailers over 1,500 pounds – Class I Trailer Tow Package

### Escape

- For trailers over 2,000 pounds – Class II Trailer Tow Package

### Edge/Lincoln MKX

- For trailers over 2,000 pounds – Class II Trailer Tow Package

### Explorer

- For trailers over 2,000 pounds – Class III Trailer Tow Package

### Flex/MKT

- For trailers over 2,000 pounds – Class III Trailer Tow Package

### Expedition/Navigator

- For trailers over 6,000 pounds – Heavy-Duty Trailer Tow Package

### E-Series Van and Wagon

- For trailers over 5,000 pounds – Class II/III/IV Trailer Tow Package

### F-150

- For trailers over 5,000 pounds – Trailer Tow Package or Max Trailer Tow Package

### F-450/F-550 Chassis Cab

- For 35,000-pound GCWR on F-550; 30,000-pound GCWR on F-450 – High-Capacity Trailer Tow Package

*\*Check with your dealer for additional requirements, restrictions and limited warranty details.*

## RECOMMENDED Equipment (where not required)

Includes items that can make towing easier, and are strongly recommended for strenuous towing conditions.

A weight-carrying hitch is recommended for all vehicles towing trailers less than 5,000 pounds.

## FRONTAL AREA CONSIDERATIONS

Vehicle Line	Frontal Area Limitations/ Considerations	With
Transit Connect	12 sq. ft.	All Applications
Mustang	12 sq. ft.	All Applications Except Shelby® GT500®
Taurus/MKS	12 sq. ft.	All Applications Except Taurus SHO
MKZ	12 sq. ft.	All Applications
Fusion	12 sq. ft.	2.5L I4 Engine and 1.6L EcoBoost® I4 Engine
	20 sq. ft.	2.0L EcoBoost® I4 Engine
Edge/Lincoln MKX	Base Vehicle Frontal Area (20 sq. ft.)	Without Trailer Tow Package Class II
	30 sq. ft.	With Trailer Tow Package Class II
Escape	Base Vehicle Frontal Area (20 sq. ft.)	Without Trailer Tow Package Class II
	30 sq. ft.	With Trailer Tow Package Class II
Flex/MKT	Base Vehicle Frontal Area (20 sq. ft.)	Without Trailer Tow Package Class III
	30 sq. ft.	With Trailer Tow Package Class III
Explorer	Base Vehicle Frontal Area (20 sq. ft.)	Without Trailer Tow Package Class III
	40 sq. ft.	With Trailer Tow Package Class III
E-Series	60 sq. ft.	All Applications
F-150	Base Vehicle Frontal Area (36 sq. ft.)	Without Trailer Tow Package or Heavy-Duty Payload Package
	60 sq. ft.	With Trailer Tow Package or Max Trailer Tow Package; With either Trailer Tow Package or Heavy-Duty Payload Package
Expedition/Navigator	Base Vehicle Frontal Area (36 sq. ft.)	5.4L V8 Engine Without Heavy-Duty Trailer Tow Package
	60 sq. ft.	5.4L V8 Engine With Heavy-Duty Trailer Tow Package
F-250/F-350/F-450/F-550 Super Duty	60 sq. ft.	All Applications

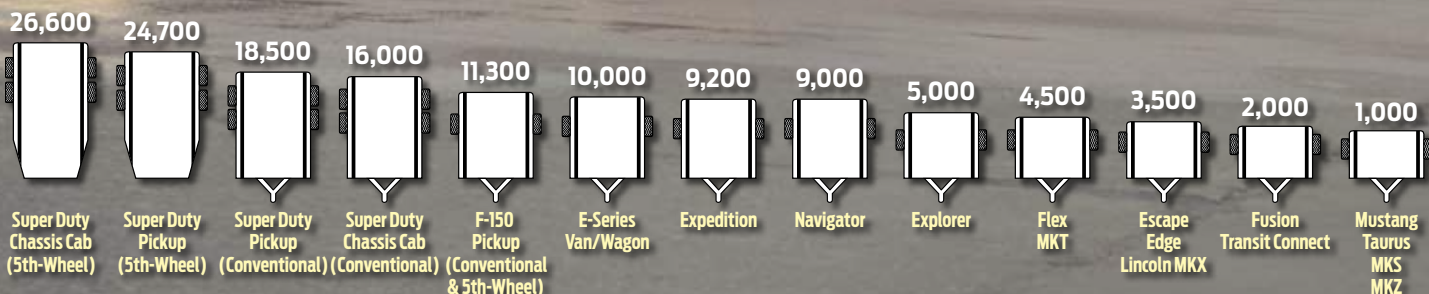
**Note:** Fusion, MKZ, Escape and Transit Connect calculated with SAE J2807 method.

## Frontal Area

is the total area in square feet that a moving vehicle and trailer exposes to air resistance. The chart shows the limitations that must be considered in selecting a vehicle/trailer combination. Exceeding these limitations may significantly reduce the performance of your towing vehicle. Selecting a trailer with a low-drag, rounded front design will help optimize performance and fuel economy.



## Maximum trailer weights in pounds for properly equipped vehicles with no cargo



## CUV/SUV/TRUCK TOWING EQUIPMENT & TRAILER TOWING PACKAGES

Model (Option Code)	Transit Connect Van/Wagon (53T)	Edge/Lincoln MKX (53G)	Flex/MKT (53G)	Escape (536) <sup>(1)</sup>	Explorer (52T)	Exped/Navigator (Std.)	Exped/Navigator (536)	E-Series Van/Wagon (534) <sup>(2)</sup>	E-Series Van/Wagon (536)	F-150 (Std.)	F-150 (535)	F-150 <sup>(10)</sup>	F-250/F-350 Super Duty Pickup (Standard)	F-350/F-450 Super Duty Chassis Cab (Standard)	F-350/F-450 Super Duty Chassis Cab (531)	F-450/F-550 Super Duty Chassis Cab (535)
7-Wire Harness & 7-Pin Connector	-	-	-	-	-	- / -	- / -	-	X(3)	-	-	-	-	-	-	-
7-Wire Harness & 4-/7-Pin Connector	-	-	X	-	X	- / -	X / X	-	-	-	X	X	X	-	-	-
7-Wire Harness (Blunt Cut) with Relays	-	-	-	-	-	- / -	- / -	-	-	-	-	-	-	X	-	-
Trailer Wiring Harness (4-Pin)	X	X	-	X	-	X / X	- / -	X	-	X	-	-	-	-	-	-
Hitch Receiver (See chart on page 25)	X	X	X	X	X	X / X	(Std.)/(Std.)	-	X	-	X	X	X	-	-	-
Aux. Auto Trans. Oil Cooler	-	-	-	-	-	- / -	X(4) / X(4)	(Std.)	(Std.)	-	X	X	-	-	-	-
Upgraded Cooling Fans	-	X	-	-	-	- / -	- / -	-	-	-	-	-	-	-	-	-
Radiator Upgrade	-	X	-	-	-	- / -	X / X	-	-	-	X	X	-	-	-	-
Heavy-Duty Flashers	-	-	-	-	-	X / -	(Std.) / X	-	-	-	-	-	-	-	-	-
Trailer Brake Wiring/Feed Kit	-	-	-	-	-	- / -	- / -	-	-	-	-	-	X(6)	X(6)	X	X(5)
Upgraded Rear Axle	-	-	-	-	-	- / -	- / -	-	-	-	-	-	X(12)	-	-	X
Increased GCW (6.7L)	-	-	-	-	-	- / -	- / -	-	-	-	-	-	X(12)	-	-	X
Upgraded Rear Bumper	-	-	-	-	-	- / -	- / -	-	-	-	-	X	-	-	-	-
Rear Stabilizer Bar	-	-	-	-	-	- / -	- / -	-	-	-	-	-	X(7)	X	(Std.)	-
Rear Load-Leveling Suspension	-	-	-	-	-	- / -	- / X	-	-	-	-	-	-	-	-	-
Electronic Brake Wiring Kit	-	-	-	-	-	- / -	X / X	-	-	-	-	-	-	-	-	-
Electric Brake Controller Tap-In Capability	-	-	-	-	-	- / -	- / -	-	X	-	-	-	-	-	-	-
Trailer Brake Controller	-	-	-	-	-	- / -	X(11) / -	-	-	-	-	X	X(7)	-	-	-
Trailer Sway Control	X	X	X	X	(Std.)	X / X	(Std.)/(Std.)	-	-	X	(Std.)	(Std.)	X	X(8)	(Std.)(8)	-
Engine Oil Cooler (3.5L/3.7L)	-	-	X(9)	-	X	- / -	- / -	-	-	-	-	-	-	-	-	-

- (1) Available with 2.0L EcoBoost® I4 only. Available as dealer accessory with 2.5L I4 engine and 1.6L EcoBoost® I4 engine.
- (2) Included with optional rear step bumper (768/769).
- (3) Blade-style female connector/bumper bracket, including relay system for backup/B+/running lights.

- (4) 14-plate with 536 option package.
- (5) Not included if Trailer Brake Controller is ordered.
- (6) In-cab, no controller.
- (7) F-350 DRW; F-450.
- (8) SRW only.
- (9) Not included with EcoBoost® engine.

- (10) Max Trailer Tow Package is available in 3 versions; 60M (Manual Mirror), 60P (Power Mirror) and 60C (Chrome Power Mirror).
- (11) Not included if ordered with Expedition XL model.
- (12) F-450 only.

**Notes:** - Content may vary depending on model, trim and/or powertrain. See your dealer for specific content information.

- Trailer Towing Package recommended for all light trucks that will be used for towing to help ensure easy, proper connection of trailer lights.



# Trailer Towing Selector.



Select column with transmission, cab design and drive system (4x2 or 4x4) you prefer. Read down column to find the trailer weight that can be towed with engine/axle ratio combinations listed at left. GCWR column shows maximum allowable combined weight of vehicle, trailer and cargo (including passengers) for each engine/axle ratio combination. Maximum Loaded Trailer Weight assumes a towing vehicle with any mandatory options, no cargo, tongue load of 10-15% (conventional trailer) or king pin weight of 15-25% (5th-wheel trailer) and driver only (150 pounds). Weight of additional options, passengers, cargo and hitch must be deducted from this weight. Also check Required and Recommended Equipment on page 13.

If your vehicle will be registered in California, Connecticut, Delaware, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont or Washington, check with your Ford dealer to be sure the desired powertrain/axle ratio is available in your area.

## F-150 CONVENTIONAL<sup>(1)</sup> AND 5th-WHEEL TOWING<sup>(2)</sup>

			Maximum Loaded Trailer Weight (Lbs.) – Automatic Transmission													
			REGULAR CAB				SUPERCAB					SUPERCREW				
			4x2		4x4		4x2		4x4			4x2		4x4		
Engine	Axle Ratio	GCWR (Lbs.)	126" Wb	145" Wb	126" Wb	145" Wb	145" Wb	163" Wb	133" Wb	145" Wb	163" Wb	145" Wb	157" Wb	145" Wb	157" Wb	
3.7L 4-Valve V6	3.55	10,400	5,500	–	–	–	–	–	–	–	–	–	–	–	–	
		10,600	–	5,600	–	–	–	–	–	–	–	–	–	–	–	
	3.73	11,500	6,600	–	6,300	–	–	–	–	–	–	–	–	–	–	
		11,700	–	6,700	–	6,500	6,400	–	–	6,100	–	6,300	–	–	–	
5.0L 4-Valve V8	3.31	12,900	7,900	–	–	–	–	–	–	–	–	–	–	–	–	
		13,500	–	8,400	–	–	8,100	7,900	–	–	–	8,000	7,900	–	–	
	3.55	12,900	–	–	7,600	–	–	–	–	–	–	–	–	–	–	
		13,300	8,300	–	–	–	–	–	–	–	–	–	–	–	–	
		13,500	–	–	–	8,100	–	–	–	7,800	7,600	8,000	7,900	7,700	7,500	
		14,900	–	9,800	–	–	9,500	9,300	–	–	–	–	–	–	–	
	3.73	13,300	–	–	8,000	–	–	–	–	–	–	–	–	–	–	
		14,900	–	–	–	–	–	–	–	–	–	9,400	9,300	–	–	
		15,100	–	–	–	9,700	–	–	–	9,400	9,200	–	–	9,300	9,100	
		15,300(3)	–	10,000	–	9,700	–	9,600	–	–	9,300	–	9,500	–	9,200	
	3.5L GTDI V6	3.15	14,000	–	8,800	–	–	8,600	8,400	–	–	–	8,500	8,400	–	–
			14,900	–	9,700	–	–	9,500	9,300	–	–	–	9,400	9,300	–	–
3.55		15,100	–	–	–	9,600	–	–	–	9,400	9,300	–	–	9,200	9,100(9)	
		13,300(5)	–	–	–	–	–	–	–	–	–	7,500	–	–	–	
		13,400(5)	–	–	–	–	–	–	–	–	–	–	–	7,300	–	
		15,000	–	9,800	–	–	–	–	–	–	–	–	–	–	–	
3.73		15,200	–	–	–	9,700	9,800	9,600	–	–	–	–	–	–	–	
		15,300	–	–	–	–	–	–	–	–	–	9,800(8)	9,700	–	–	
		15,400	–	–	–	–	–	–	–	9,700	9,600	–	–	–	–	
		15,500	–	–	–	–	–	–	–	–	–	–	–	9,600	9,500	
4.10		13,300(5)	–	–	–	–	–	–	–	–	–	–	7,500	–	–	–
		13,400(5)	–	–	–	–	–	–	–	–	–	–	–	–	7,300	–
		15,200	–	–	–	9,700	–	–	–	–	–	–	–	–	–	–
		15,400	–	–	–	–	–	–	–	9,700	9,600	–	–	–	–	–
		15,500	–	–	–	–	–	–	–	–	–	–	–	9,600	9,500	–
		16,600(3)	–	11,300	–	–	–	–	–	–	–	–	–	–	–	–
		16,900	–	–	–	11,300(3)	11,300(4)	–	–	–	–	11,300(4)	–	–	–	–
		17,000	–	–	–	–	–	11,300(3)(4)	–	–	–	–	11,300(4)	–	–	–
4.10		17,100	–	–	–	–	–	–	–	11,300(4)	11,100(3)(4)	–	11,300(3)	11,200(4)	11,100(4)/11,000(3)	–
		13,300(7)	8,000	–	7,700	–	–	–	–	–	–	–	–	–	–	–
		17,100(4)	–	–	–	–	–	–	–	11,300	11,100	–	–	11,200	11,100	–
6.2L 2-Valve V8	3.55	15,500	–	–	–	–	9,800	–	–	–	–	–	–	–	–	
		15,600	–	–	–	–	–	–	–	9,700	–	9,800	9,700	9,600	9,500	
	3.73	17,000	–	–	–	–	11,300	–	–	–	–	–	–	–	–	
		17,100	–	–	–	–	–	–	–	11,200	–	11,300	11,200	11,100	11,000	
	4.10	12,500(6)	–	–	–	–	–	–	6,000	–	–	–	–	–	–	–
		14,700(6)	–	–	–	–	–	–	–	–	–	–	–	8,000	–	–

(1) Maximum loaded trailer weight requires weight-distributing hitch. See page 24 for additional information. (2) Vehicles equipped with 5.5' box will accept a 5th-wheel hitch, but current 5th-wheel trailer designs are not compatible with these models (133" wb. SuperCab and 145" wb. Crew Cab). (3) Requires Heavy-Duty Payload Package. (4) Requires Max Trailer Towing Package. (5) Limited model. (6) Ford Raptor. While the pickup box will accept a 5th-wheel hitch, current 5th-wheel trailer designs are not compatible with this model. (7) Tremor Package. (8) 9,600 on 5th-wheel. (9) 9,000 on 5th-wheel.

**Notes:** • Do not exceed trailer weight of 5,000 lbs. when towing with bumper only.

• Trailer tongue (trailer king pin for 5th-wheel towing) load weight should be 10-15% (15-25% for 5th-wheel towing) of total loaded trailer weight. Make sure vehicle payload (reduce by option weight) will accommodate trailer tongue (trailer king pin for 5th-wheel towing) load weight and weight of passengers and cargo added to towing vehicle. Addition of trailer tongue (trailer king pin for 5th-wheel towing) load weight and weight of passengers and cargo cannot cause vehicle weights to exceed rear GAWR or GVWR. These ratings can be found on the vehicle Safety Compliance Certification Label.

## Trailer Towing Selector.



If your vehicle will be registered in California, Connecticut, Delaware, Maine, Maryland, Massachusetts, New York, Oregon, Rhode Island, Vermont, or Washington, check with your Ford dealer to be sure the desired powertrain/axle ratio is available in your area.

### F-250/F-350/F-450 SUPER DUTY® PICKUPS CONVENTIONAL TOWING <sup>(1)</sup>

			Maximum Loaded Trailer Weight (Lbs.) – Automatic Transmission																	
			REGULAR				SUPERCAB				CREW CAB									
			F-250/F-350 SRW 4x2	F-250/F-350 SRW 4x4	F-350 DRW 4x2	F-350 DRW 4x4	F-250/F-350 SRW 4x2	F-250 SRW 4x4	F-350 SRW 4x4	F-350 DRW 4x2	F-350 DRW 4x4	F-250/F-350 SRW 4x2	F-250 SRW 4x4	F-350 SRW 4x4	F-350 DRW 4x2	F-350 DRW 4x4	F-450 DRW 4x4			
Engine	Axle Ratio	GCWR (Lbs.)	6.2L SOHC V8 FFV	3.73	19,000	12,500	12,500	–	–	12,500	12,400	12,300	–	–	12,500	12,200	12,100	–	–	–
		19,500		–	–	13,100	12,700	–	–	–	12,700	12,300	–	–	–	12,500	12,100	–		
	4.30	22,000		12,500	12,500	–	–	12,500	12,500	12,500	–	–	12,500	12,500	12,500	–	–	–		
		22,500		–	–	15,000	15,000	–	–	–	15,000	15,000	–	–	–	15,000	15,000	–		
6.7L V8 Turbo Diesel	3.31	23,500	12,500	12,500	–	–	14,000	14,000	14,000	–	–	14,000	14,000	14,000	–	–	–	–		
	3.55	23,500	12,500	12,500	–	–	14,000	14,000	14,000	–	–	14,000	14,000	14,000	–	–	–	–		
	3.73	30,500	–	–	15,000	15,000	–	–	–	15,000	15,000	–	–	–	18,500	18,500	–			
	4.30	33,000	–	–	–	–	–	–	–	–	–	–	–	–	–	–	18,500			

### F-250/F-350/F-450 SUPER DUTY PICKUPS 5th-WHEEL TOWING

6.2L SOHC V8 FFV	3.73	19,000	12,900	12,500	–	–	12,700/12,600	12,300	12,200	–	–	12,400	12,100	12,000	–	–	–
		19,500	–	–	13,000	12,600	–	–	–	12,600	12,200	–	–	–	12,400	12,000	–
	4.30	22,000	15,900	15,500	–	–	15,700/15,600	15,300	15,200	–	–	15,400	15,100	15,000	–	–	–
		22,500	–	–	16,000	15,600	–	–	–	15,600	15,200	–	–	–	15,400	15,000	–
6.7L V8 Turbo Diesel	3.31	23,500	16,800/16,700	16,400/16,300	–	–	16,500/16,400	16,100	16,100	–	–	16,300	15,900	15,900	–	–	–
		3.55	23,500	16,800/16,700	16,400/16,300	–	–	16,500/16,400	16,100	16,100	–	–	16,300	15,900	15,900	–	–
	3.73	30,500	–	–	23,200	22,900	–	–	–	22,800	22,400	–	–	–	22,600	22,200	–
		30,500(2)	–	–	23,900	23,500	–	–	–	23,400	23,000	–	–	–	23,200	22,800	–
	4.30	33,000	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24,700

(1) Maximum loaded trailer weight requires weight-distributing hitch. See page 24 for additional information. (2) Pickup Box Delete Option.

**Notes:** • This information also applies to models with Pickup Box Delete Option (66D).

- Trailer tongue (trailer king pin for 5th-wheel towing) load weight should be 10-15% (15-25% for 5th-wheel towing) of total loaded trailer weight. Make sure vehicle payload (reduce by option weight) will accommodate trailer tongue (trailer king pin for 5th-wheel towing) load weight and weight of passengers and cargo added to towing vehicle. Addition of trailer tongue (trailer king pin for 5th-wheel towing) load weight and weight of passengers and cargo must not cause vehicle weights to exceed rear GAWR or GVWR. These ratings can be found on the vehicle Safety Compliance Certification Label.

### Tailgate Clearance Considerations When Towing a 5th-Wheel or Gooseneck Trailer

Model	F-150	F-250	F-350 SRW	F-350 DRW	F-450 DRW
Max. Tailgate Height*	56-60 inches	56-57 inches	59-60 inches	56-57 inches	56-57 inches

**Note:** Vehicles with other configurations may have varying tailgate heights.

\*Distance from ground to top of closed tailgate.



Metric Conversion – To obtain information in kilograms, multiply pounds by .45; to obtain information in centimeters, multiply inches by 2.54.

# Trailer Towing Selector.



If your vehicle will be registered in California, Connecticut, Delaware, Maine, Maryland, Massachusetts, New York, Oregon, Rhode Island, Vermont, or Washington, check with your Ford dealer to be sure the desired powertrain/axle ratio is available in your area.

## F-350/F-450/F-550 SUPER DUTY® CHASSIS CABS CONVENTIONAL TOWING <sup>(1)(2)</sup>

Trailer weights shown assume 1,000 lbs. second-unit body weight. Be sure combined weight of vehicle and trailer does not exceed listed GCWR.

			Maximum Loaded Trailer Weight (Lbs.) – Automatic Transmission																							
			REGULAR CHASSIS CAB								SUPER CHASSIS CAB								CREW CHASSIS CAB							
	Axle	GCWR	F-350	F-350	F-350	F-350	F-450	F-450	F-550	F-550	F-350	F-350	F-350	F-350	F-450	F-450	F-550	F-550	F-350	F-350	F-350	F-350	F-450	F-450	F-550	F-550
Engine	Ratio	(Lbs.)	4x2 SRW	4x4 SRW	4x2 DRW	4x4 DRW	4x2 DRW	4x4 DRW	4x2 DRW	4x4 DRW	4x2 SRW	4x4 SRW	4x2 DRW	4x4 DRW	4x2 DRW	4x4 DRW	4x2 DRW	4x4 DRW	4x2 SRW	4x4 SRW	4x2 DRW	4x4 DRW	4x2 DRW	4x4 DRW	4x2 DRW	4x4 DRW
6.2L SOHC V8 FFV	3.73	19,000	12,400	12,100	–	–	–	–	–	–	12,100	11,700	–	–	–	–	–	–	11,900	11,400	–	–	–	–	–	–
		19,500	–	–	12,400	12,000	–	–	–	–	–	–	12,000	11,600	–	–	–	–	–	–	11,800	11,400	–	–	–	–
	4.30	22,000	12,500	12,500	–	–	–	–	–	–	12,500	12,500	–	–	–	–	–	–	12,500	12,500	–	–	–	–	–	–
		22,500	–	–	15,000	15,000	–	–	–	–	–	–	15,000	14,600	–	–	–	–	–	–	14,800	14,400	–	–	–	–
6.8L SOHC V10	4.88	26,000	–	–	–	–	16,000	16,000	16,000	16,000	–	–	–	–	16,000	16,000	16,000	16,000	–	–	–	–	16,000	16,000	16,000	16,000
6.7L V8 Turbo Diesel	3.73	23,500	12,500	12,500	–	–	–	–	–	–	12,500	12,500	–	–	–	–	–	–	12,500	12,500	–	–	–	–	–	–
		24,500	–	–	15,000	15,000	–	–	–	–	–	–	15,000	15,000	–	–	–	–	–	–	15,000	15,000	–	–	–	–
	4.10	24,500	–	–	15,000	15,000	–	–	–	–	–	–	15,000	15,000	–	–	–	–	–	–	15,000	15,000	–	–	–	–
		26,000	–	–	–	–	16,000	16,000	16,000	16,000	–	–	–	–	16,000	16,000	16,000	16,000	–	–	–	–	16,000	16,000	16,000	16,000
	4.30	30,000(3)	–	–	–	–	16,000	16,000	–	–	–	–	–	–	16,000	16,000	–	–	–	–	–	–	16,000	16,000	–	–
		35,000(3)	–	–	–	–	–	–	16,000	16,000	–	–	–	–	–	–	16,000	16,000	–	–	–	–	–	–	16,000	16,000
	4.88	26,000	–	–	–	–	–	–	16,000	16,000	–	–	–	–	–	–	16,000	16,000	–	–	–	–	–	–	16,000	16,000
		35,000(3)	–	–	–	–	–	–	16,000	16,000	–	–	–	–	–	–	16,000	16,000	–	–	–	–	–	–	16,000	16,000

## F-350/F-450/F-550 SUPER DUTY CHASSIS CABS 5th-WHEEL TOWING

Engine	Axle Ratio	GCWR (Lbs.)	F-350 4x2 SRW	F-350 4x4 SRW	F-350 4x2 DRW	F-350 4x4 DRW	F-450 4x2 DRW	F-450 4x4 DRW	F-550 4x2 DRW	F-550 4x4 DRW	F-350 4x2 SRW	F-350 4x4 SRW	F-350 4x2 DRW	F-350 4x4 DRW	F-450 4x2 DRW	F-450 4x4 DRW	F-550 4x2 DRW	F-550 4x4 DRW	F-350 4x2 SRW	F-350 4x4 SRW	F-350 4x2 DRW	F-350 4x4 DRW	F-450 4x2 DRW	F-450 4x4 DRW	F-550 4x2 DRW	F-550 4x4 DRW
6.2L SOHC V8 FFV	3.73	19,000	12,400	12,100	–	–	–	–	–	–	12,100	11,700	–	–	–	–	–	–	11,900	11,400	–	–	–	–	–	–
		19,500	–	–	12,400	12,000	–	–	–	–	–	12,000	11,600	–	–	–	–	–	–	–	11,800	11,400	–	–	–	–
	4.30	22,000	15,400	15,100	–	–	–	–	–	–	15,100	14,700	–	–	–	–	–	–	14,900	14,300	–	–	–	–	–	–
6.8L SOHC V10		22,500	–	–	15,400	15,000	–	–	–	–	–	–	15,000	14,600	–	–	–	–	–	–	14,800	14,400	–	–	–	–
	4.88	26,000	–	–	–	–	18,300	18,000	18,300	18,000	–	–	–	–	17,900	17,600	17,900	17,600	–	–	–	–	17,700	17,300	17,700	17,300
	3.73	23,500	16,200	15,600	–	–	–	–	–	–	15,700	15,200	–	–	–	–	–	–	15,300	14,900	–	–	–	–	–	–
6.7L V8 Turbo Diesel		24,500	–	–	16,700	16,200	–	–	–	–	–	16,300	15,800	–	–	–	–	–	–	–	16,100	15,600	–	–	–	–
	4.10	24,500	–	–	16,700	16,200	–	–	–	–	–	16,300	15,800	–	–	–	–	–	–	–	16,100	15,600	–	–	–	–
		26,000	–	–	–	–	17,600	17,200	17,600	17,200	–	–	–	–	17,100	16,700	17,100	16,700	–	–	–	–	16,900	16,500	16,900	16,500
	4.30	30,000(3)	–	–	–	–	21,600	21,200	–	–	–	–	–	–	21,100	20,700	–	–	–	–	–	–	20,900	20,500	–	–
		35,000(3)	–	–	–	–	–	–	26,600	26,200	–	–	–	–	–	–	26,100	25,700	–	–	–	–	–	–	25,900	25,500
6.7L V8 Turbo Diesel	4.88	26,000	–	–	–	–	–	–	17,400	17,100	–	–	–	–	–	–	16,900	16,600	–	–	–	–	–	–	16,700	16,400
		35,000(3)	–	–	–	–	–	–	26,400	26,100	–	–	–	–	–	–	25,900	25,600	–	–	–	–	–	–	25,700	25,400

(1) Maximum loaded trailer weight requires weight-distributing hitch. See page 24 for additional information. (2) Super Duty Chassis Cab does not offer a conventional hitch receiver as a factory-installed option. (3) Available with High-Capacity Trailer Tow Package only.

**Note:** Trailer tongue (trailer king pin for 5th-wheel towing) load weight should be 10-15% (15-25% for 5th-wheel towing) of total loaded trailer weight. Make sure vehicle payload (reduce by option weight) will accommodate trailer tongue (trailer king pin for 5th-wheel towing) load weight and weight of passengers and cargo added to towing vehicle. Addition of trailer tongue (trailer king pin for 5th-wheel towing) load weight and weight of passengers and cargo must not cause vehicle weights to exceed rear GAWR or GVWR. These ratings can be found on the vehicle Safety Compliance Certification Label.



## Trailer Towing Selector.



### 2013 F-650/F-750 SUPER DUTY® Chassis Cabs

#### Diesel Engine

Model	Max. GVWR	Max. GCWR
F-650 Pro Loader (Kick-Up Frame)	20,500-26,000 lbs.	*
F-650 (Straight Frame)	20,940-29,000 lbs.	*
F-750	25,999-37,000 lbs.	*

\*Specific GCWR and Maximum Trailer Weight applicable to a given F-650/F-750 model depend on many variables and customer performance expectations. See your Ford dealership sales consultant for a Commercial Truck Tools (CTT) performance evaluation for a specific vehicle/trailer configuration.

#### Gas Engine

Model	Max. GVWR	Max. GCWR
F-650 Pro Loader (Kick-Up Frame)	20,780-26,000 lbs.	33,000 lbs.
F-650 (Straight Frame)	20,940-30,000 lbs.	33,000 lbs.



### SUPER DUTY Class A Motorhome Chassis

Max. GVWR	Max. GCWR	Max. Trailer Weight
16,000 lbs.	23,000 lbs.	7,000 lbs.
18,000 lbs.	23,000 lbs.	5,000 lbs.
20,500 lbs.	26,000 lbs.	5,500 lbs.
22,000 lbs.	26,000 lbs.	4,000 lbs.
24,000 lbs.	30,000 lbs.	6,000 lbs.
26,000 lbs.	30,000 lbs.	4,000 lbs.

**Note:** Towing vehicle's braking system is rated for operation at GVWR – NOT GCWR. Separate functional brake systems should be used for safe control of towed vehicles or trailers weighing more than 1,500 lbs. when loaded.



### SUPER DUTY Commercial Stripped Chassis

Max. GVWR	Max. GCWR	Max. Trailer Weight
16,000 lbs.	23,000 lbs.	7,000 lbs.
19,500 lbs.	26,000 lbs.	6,500 lbs.
22,000 lbs.	26,000 lbs.	4,000 lbs.

**Note:** Towing vehicle's braking system is rated for operation at GVWR – NOT GCWR. Separate functional brake systems should be used for safe control of towed vehicles or trailers weighing more than 1,500 lbs. when loaded.

**M** Metric Conversion – To obtain information in kilograms, multiply pounds by .45; to obtain information in centimeters, multiply inches by 2.54.

## Trailer Towing Selector.



### E-SERIES VAN/WAGON <sup>(1)</sup>

			Maximum Loaded Trailer Weight (Lbs.) – Automatic Transmission									
			VAN						WAGON			
Engine	Axle Ratio	GCWR (Lbs.)	E-150	E-150 Extended	E-250	E-250 Extended	E-350 Super Duty	E-350 Super Duty Extended	E-150	E-350 Super Duty	E-350 Super Duty Extended 11-Pass.	E-350 Super Duty Extended 15-Pass.
4.6L SOHC V8	3.73	11,500	6,000	5,900	6,000	5,900	–	–	5,600	–	–	–
	4.10	12,000	6,500	6,400	6,500	6,400	–	–	6,100	–	–	–
5.4L SOHC V8	3.73	13,000	7,500	7,300	7,400	7,300	7,400	7,200	7,000	6,700	6,500	6,300
	4.10	13,000	7,500	7,300	7,400	7,300	7,400	7,200	7,000	6,700	6,500	6,300
6.8L SOHC V10	3.73	15,000	–	–	–	–	9,100	9,000	–	8,500	8,300	8,100
	4.10	18,500	–	–	–	–	10,000	10,000	–	10,000	10,000	10,000

(1) Maximum loaded trailer weight requires weight-distributing hitch. See page 24 for additional information.

**Note:** Trailer tongue load weight should be 10-15% of total loaded trailer weight. Make sure vehicle payload (reduced by option weight) will accommodate trailer tongue load weight and weight of passengers and cargo added to towing vehicle. Addition of trailer tongue load weight and weight of passengers and cargo cannot cause vehicle weights to exceed rear GAWR or GVWR. These ratings can be found on the vehicle Safety Compliance Certification Label.

### E-SERIES CUTAWAY & STRIPPED CHASSIS

To determine Maximum Trailer Weight, subtract your vehicle's GVWR from the following GCWRs:

#### E-350 Super Duty Cutaway GCWRs:

- 5.4L V8/5R110W – 13,000 lbs.
- 6.8L V10/5R110W – 18,500 lbs.

#### E-450 Super Duty Cutaway GCWRs:

- 5.4L V8/5R110W – 14,050 lbs.
- 6.8L V10/5R110W – 22,000 lbs.

#### E-350 Super Duty

##### Stripped Chassis GCWRs:

- 5.4L V8/5R110W – 13,000 lbs.
- 6.8L V10/5R110W – 18,500 lbs.

#### E-450 Super Duty

##### Stripped Chassis GCWRs:

- 5.4L V8/5R110W – 14,050 lbs.
- 6.8L V10/5R110W – 22,000 lbs.





## Trailer Towing Selector.



### EXPEDITION/NAVIGATOR <sup>(1)</sup>

Engine	Axle Ratio	GCWR (Lbs.)	Maximum Loaded Trailer Weight (Lbs.) – Automatic Transmission							
			EXPEDITION		EXPEDITION EL		NAVIGATOR		NAVIGATOR L	
			4x2	4x4	4x2	4x4	4x2	4x4	4x2	4x4
5.4L SOHC V8	3.31	11,800	6,000	–	–	–	–	–	–	–
		12,100	–	6,000	–	–	–	–	–	–
		15,000(2)	9,200	9,000	–	–	–	–	–	–
	3.73	11,800	6,000	–	–	–	–	–	–	–
		12,000	–	–	–	–	6,000	–	–	–
		12,100	–	6,000	6,000	–	–	–	–	–
		12,300	–	–	–	6,000	–	6,000	6,000	–
		12,500	–	–	–	–	–	–	–	6,000
		15,000(2)	9,200	9,000	8,900	8,700	9,000	8,700	8,700	8,500

(1) Maximum loaded trailer weight requires weight-distributing hitch. See page 24 for additional information.

(2) Requires optional Heavy-Duty Trailer Tow Package.

**Note:** Trailer tongue load weight should be 10-15% of total loaded trailer weight. Make sure vehicle payload (reduced by option weight) will accommodate trailer tongue load weight and weight of passengers and cargo added to towing vehicle. Addition of trailer tongue load weight and weight of passengers and cargo cannot cause vehicle weights to exceed rear GAWR or GVWR. These ratings can be found on the vehicle Safety Compliance Certification Label.

**M** Metric Conversion – To obtain information in kilograms, multiply pounds by .45; to obtain information in square meters, multiply square feet by .09; to obtain information in centimeters, multiply inches by 2.54; to obtain information in kilometers, multiply miles by 1.6.

### EXPLORER

Engine	Final Drive Ratio	GCWR (Lbs.)		Maximum Loaded Trailer Weight (Lbs.) – Automatic Transmission
		FWD	4WD	
2.0L I4	3.36	6,880	–	2,000
EcoBoost®	3.51	6,880	–	2,000
3.5L V6	3.39	6,940	–	2,000
	3.65	–	7,110	2,000
	3.39	9,980	–	5,000(1)
	3.65	–	10,160	5,000(1)
3.5L V6	3.16	–	7,400	2,000
EcoBoost®	3.16	–	10,400	5,000(1)

(1) Requires optional Heavy-Duty Trailer Tow Package and weight-distributing hitch.

### ESCAPE <sup>(1)</sup>

Engine	Final Drive Ratio	GCWR (Lbs.)		Maximum Loaded Trailer Weight (Lbs.) – Automatic Transmission
		FWD	4WD	
2.5L I4	3.51	5,417	–	1,500(2)
1.6L I4	3.21	5,866	–	2,000(2)
EcoBoost®	3.51	–	6,035	2,000(2)
2.0L I4 EcoBoost®	3.07	7,477	7,626	3,500(3)

(1) Calculated with SAE J2807 method.

(2) Escape does not offer factory-installed towing equipment for this application; only available as dealer accessory.

(3) Requires Class II Trailer Tow Package.

**Note:** Certain states require electric trailer brakes for trailers over a specified weight. Be sure to check state regulations for this specified weight. The maximum trailer weights listed above may be limited to this specified weight, as the Escape's electrical system does not include the wiring connector needed to activate electric trailer brakes.



## Trailer Towing Selector.



### CROSSOVERS

Engine	Axle Configuration	Maximum Loaded Trailer Weight (Lbs.) – Automatic Transmission				
		EDGE	LINCOLN MKX	FLEX	MKT	TRANSIT CONNECT VAN/WAGON
1.6L I4 EcoBoost®	FWD	–	–	–	–	2,000(1)
2.0L I4 EcoBoost®	FWD	1,500	–	–	–	–
2.5L I4	FWD	–	–	–	–	2,000(1)
3.5L V6	FWD/AWD	3,500(2)	–	4,500(3)	–	–
3.5L V6 EcoBoost®	AWD	–	–	4,500(3)	4,500(3)	–
3.7L V6	FWD/AWD	2,000(4)	3,500(2)	–	2,000(5)	–

(1) Requires Class I Trailer Tow Package. (2) Requires Class II Trailer Tow Package. (3) Requires Class III Trailer Tow Package. (4) Sport model with 22" wheels. (5) FWD only.

**Note:** Transit Connect calculated with SAE J2807 method.



### CARS

Engine	Axle Configuration	Maximum Loaded Trailer Weight (Lbs.) – Automatic Transmission				
		MUSTANG <sup>(1)(2)</sup>	TAURUS <sup>(2)(3)</sup>	MKS <sup>(2)</sup>	FUSION <sup>(2)(5)</sup>	MKZ <sup>(2)(5)</sup>
1.5L I4 EcoBoost®	FWD	–	–	–	1,000	–
2.0L I4 EcoBoost®	FWD/AWD	–	1,000(4)	–	2,000	1,000
2.5L I4	FWD	–	–	–	1,000	–
3.5L V6	FWD/AWD	–	1,000	–	–	–
3.5L V6 EcoBoost®	AWD	–	–	1,000	–	–
3.7L V6	RWD	1,000	–	–	–	–
	FWD/AWD	–	–	1,000	–	1,000
5.0L V8	RWD	1,000	–	–	–	–



Maximum Loaded Trailer Weight (Lbs.) – Manual Transmission						
1.6L I4 EcoBoost®	FWD	–	–	–	1,000	–
3.7L V6	RWD	1,000	–	–	–	–
5.0L V8	RWD	1,000	–	–	–	–

(1) Shelby® GT500® is not rated to tow a trailer. (2) Mustang, Taurus, MKS, Fusion and MKZ, do not offer factory-installed towing equipment for this application; only available as aftermarket accessory. (3) Taurus SHO is not rated to tow a trailer. (4) FWD only. (5) Fusion Hybrid, Fusion Energi and MKZ Hybrid are not rated to tow a trailer.

**Note:** Fusion and MKZ calculated with SAE J2807 method.



## Trailer classes and types.

### Class I

#### LIGHT-DUTY

2,000-lb. maximum weight (trailer and cargo combined)

Small folding camping trailers and trailers for small boats, motorcycles and snowmobiles

Many Ford vehicles can handle easily

Conventional weight-carrying hitch

### Class II

#### MEDIUM-DUTY

2,001-3,500-lb. gross trailer weight

Large folding camping trailers, single-axle, small- to medium-length (up to 18 ft.) trailers

Ford trucks and compact SUVs can be equipped to tow these trailers<sup>(1)</sup>

Conventional weight-distributing hitch not required unless specified for a particular vehicle

### Class III

#### HEAVY-DUTY

3,501-5,000-lb. gross trailer weight

Dual-axle or large single-axle travel trailers

Most properly equipped Ford trucks and SUVs can tow them<sup>(1)</sup>

Conventional weight-distributing hitch not required unless specified for a particular vehicle

### Class IV

#### EXTRA-HEAVY-DUTY<sup>(2)</sup>

Over 5,000-lb. gross trailer weight<sup>(2)</sup>

Largest travel and 5th-wheel trailers made for recreation

Most Ford trucks and some SUVs can be equipped to handle trailer weights in this class<sup>(1)</sup>

Most applications require a conventional weight-distributing or 5th-wheel hitch

<sup>(1)</sup> Refer to page 13 for required equipment.

<sup>(2)</sup> Some industry sources refer to trailers over 10,000 pounds as Class V Trailers. Ford Super Duty® Pickups and Chassis Cabs can be equipped to handle these trailers.



#### Folding Camping Trailer

**These are very cost effective units providing campers with a comfortable, dry, mobile shelter, plus these added benefits:**

- Lightweight for easy towing
- Simple conventional weight-carrying hitch is usually sufficient for towing
- Compact, low-profile traveling package
- Easily maneuverable – generally 8 to 16 feet long



#### Conventional Travel Trailer

**Generally larger, rigid construction units offering more of the conveniences of home, including such features as kitchen sink, dinette, shower, refrigerator and flush toilet. Additional benefits include:**

- Widely varied levels of roominess, comfort and luxury – depending on the towing capacity of your vehicle, and your budget
- Sizes usually range from 12 to 35 feet long
- Normally towed with a conventional weight-distributing hitch, depending on weight

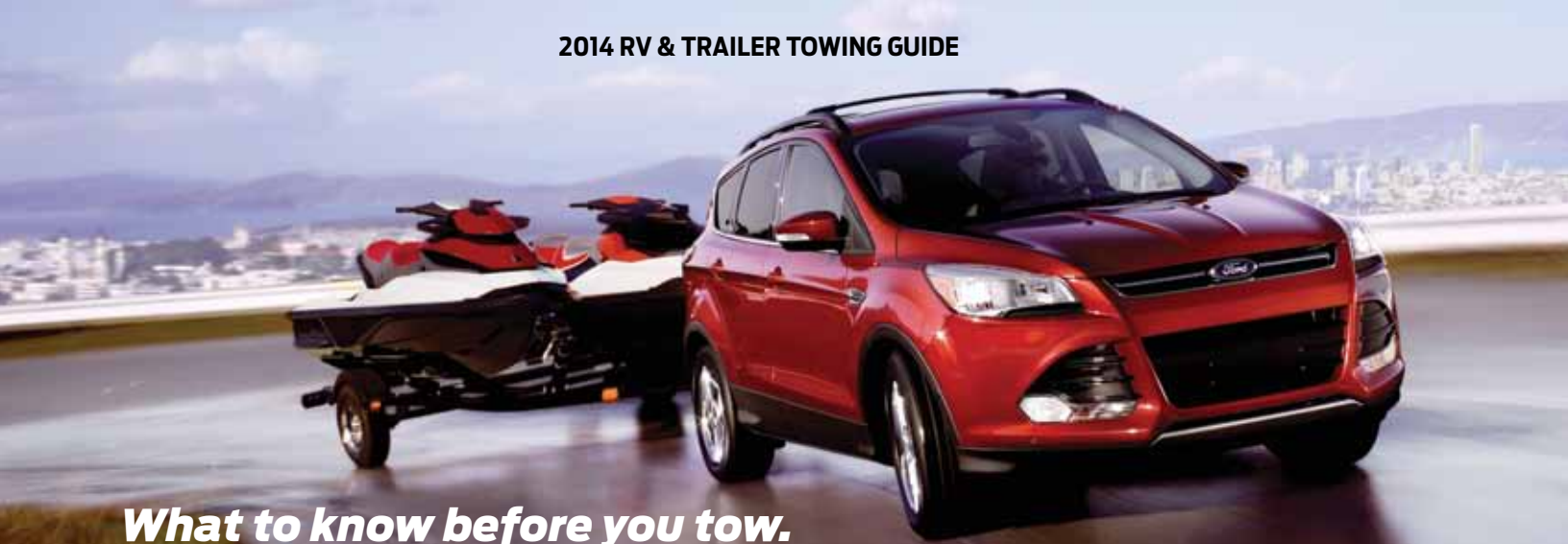


#### 5th-Wheel Trailer

**Provides the same types of accommodations as a conventional travel trailer, but with these unique characteristics:**

- The forward raised portion is designed to extend over the box of a pickup truck
- Attaches to the truck via a 5th-wheel hitch mounted in the pickup bed
- Offers the advantages of improved weight distribution and towing dynamics, since some trailer weight is directly over the towing vehicle





## What to know before you tow.

### Before you buy

If you are selecting a vehicle that will be used for towing, you should determine the approximate weight of the trailer you intend to tow, including the weight of any additional cargo and fluids that you will be carrying in the trailer. Also, be sure the vehicle has the proper optional equipment (see page 13). Keep in mind that performance can be severely compromised in hilly terrain when minimum acceptable powertrain combination is selected. Consider purchasing a vehicle with a more powerful engine.

### After you buy

Before heading out on a trip, check your vehicle Owner's Manual for break-in and severe-duty maintenance schedules (do not tow a trailer until your vehicle has been driven at least 1,000 miles). Be sure to have your fully-loaded vehicle (including passengers) and trailer weighed so as not to exceed critical weight limits (see page 26). If any of these limits are exceeded, cargo should be removed from the vehicle and/or trailer until all weights are within the specified limits.

### Brakes

Many states require a separate braking system on trailers with a loaded weight of more than 1,500 pounds. For your safety, Ford Motor Company recommends that a separate functional brake system be used on any towed vehicle, including those dolly-towed or towbar-towed. There are several basic types of brake systems designed to activate trailer brakes:

- 1. Electronically Controlled Brakes** usually provide automatic and manual control of trailer brakes. They require that the tow vehicle be equipped with a controlling device and additional wiring for electrical power. These brakes typically have a control box installed within reach of the driver and can be applied manually or automatically.
- 2. Electric-Over-Hydraulic (EOH) Trailer Brakes** are operated by an electrically powered pump that pressurizes a hydraulic fluid reservoir built into the trailer's brake system. Many of the available EOH trailer brake models are compatible with Ford's factory installed, dash-integrated Trailer Brake Controller (TBC).
- 3. Surge Brakes** are independent hydraulic brakes activated by a master cylinder at the junction of the hitch and trailer tongue. They are not controlled by the hydraulic fluid in the tow vehicle's brake system, and the tow vehicle's hydraulic system should never be connected directly to the trailer's hydraulic system.

Be sure your trailer brakes conform to all applicable state regulations. See *Towing Basics* on back cover for additional braking information.

### Trailer Lamps

Make sure the trailer is equipped with lights that conform to all applicable government regulations. The trailer lighting system should not be connected directly to the lighting system of the vehicle. See a local recreational vehicle dealer or rental trailer agency for correct wiring and relays for the trailer and heavy-duty flashers.

### Safety Chains

- Always use safety chains when towing. Safety chains are used to retain connection between the towing and towed vehicle in the event of separation of the trailer coupling or ball
- Use cross chains under the trailer tongue to prevent the tongue from contacting the ground if a separation occurs. Allow only enough slack to permit full turning – be sure they do not drag on the pavement
- When using a frame-mounted trailer hitch, attach the safety chains to the frame-mounted hitch using the recommendations supplied by the hitch manufacturer
- See your vehicle Owner's Manual for safety chain attachment information
- For rental trailers, follow rental agency instructions for hookup of safety chains

### Trailer Wiring Harness

- Some vehicles equipped with a factory-installed Trailer Tow Package include a trailer wiring harness and a wiring kit
- This kit includes one or more jumper harnesses (to connect to your trailer wiring connector) and installation instructions

Refer to chart on page 14 for standard and optional wiring harness usage.



## A hitch for every application.



### Weight-Carrying (Non-Weight-Distributing) Hitch

A weight-carrying (non-weight-distributing) hitch is commonly used to tow small- and medium-sized trailers. Choose a proper hitch and ball, and make sure its location is compatible with that of the trailer. Use a good weight-carrying hitch that uniformly distributes the trailer tongue loads through the bumper and frame (through the body with Escape; bumper hitch not available with Escape, Explorer or Expedition/Navigator). Ford rear step bumpers and hitch receivers provide weight-carrying capacities as shown in the chart on the following page. (A label affixed to the hitch receiver provides both the weight-carrying and weight-distributing capacities for each receiver.) The vehicle owner is responsible for obtaining the proper hitch ball, ball mounting and other appropriate equipment to tow both the trailer and load that will be towed.



### Weight-Distributing Hitch

A weight-distributing hitch is used in conjunction with a hitch platform (receiver) to distribute tongue load to all towing vehicle and trailer wheels. Required for certain Class III and all Class IV applications (see the chart on following page).

- Weight-distributing hitch platforms are welded or bolted to the vehicle frame. Bolt-on types are recommended because they can be removed
- A properly installed bolt-on weight-distributing hitch platform will not weaken the vehicle or underbody as heat of welding might
- Equalizing arms are connected from the hitch to the trailer's A-frame. They can be adjusted for best towing performance. Lengths of chain are pulled up and tightened to bend spring bars upward, which lifts some of the weight from the rear wheels and transfers weight to the other wheels of the vehicle and trailer



### Gooseneck Hitch

A gooseneck hitch attaches in the truck bed using custom or universal rails. This hitch style provides great stability and is suitable for heavier loads, since the weight of the tongue rests directly on the truck bed over the rear axles. Goosenecks are commonly used for horse and other agricultural trailers. Other features include:

- Tight turning radius
- “Fold down” and “install under bed” models provide unobstructed bed area for carrying cargo
- Attachment rails require no welding (sold separately)



### 5th-Wheel Hitch

A 5th-wheel hitch is mounted in the pickup bed to put more of the trailer weight directly over the towing vehicle. The receiver center line of the hitch should be mounted at least two inches forward from the rear axle of the truck chassis. This mounting location will distribute the king pin weight of the trailer for optimum load-carrying and sway-control performance. 5th-wheel hitches are commonly used for RV trailers.



**Metric Conversion** – To obtain information in kilograms, multiply pounds by .45; to obtain information in kilometers, multiply miles by 1.6.

## Hitch receiver options and capacities.

### Factory-installed Trailer Hitch Receiver Options available on the following vehicles:

**Transit Connect:** Included with Class I Trailer Tow Package – Option Code 53T

**Edge/Lincoln MKX:** Included with Class II Trailer Tow Package – Option Code 53G

**Flex/MKT:** Included with Class III Trailer Tow Package – Option Code 53G

**Escape:** Included with Class II Trailer Tow Package – Option Code 536

**Explorer:** Included with Class III Trailer Tow Package – Option Code 52T

**E-Series Van/Wagon:** Included with Trailer Tow Package – Option Code 536

**Expedition/Navigator:** Standard

**F-150 Pickup:** Included with Trailer Tow Packages – Option Code 535, 60M, 60P and 60C

#### F-250/F-350/F-450 Super Duty® Pickups:

- F-250/350 SRW – Standard for 12,500-lb. Maximum Trailer Capacity (N/A with 6.7L diesel with 156", 158" and 172" wheelbases)
- F-250/350 SRW with 6.7L diesel engine – Standard for 14,000-lb. Maximum Trailer Capacity (156", 158" and 172" wheelbases only)
- F-350 DRW – Standard for 15,000-lb. Maximum Trailer Capacity (except F-350 DRW with 6.7L diesel engine/172" wheelbase)
- F-350 DRW w/6.7L diesel engine – 18,500-lb. Maximum Trailer Capacity (172" wheelbase only)
- F-450 – Standard for 18,500-lb. Maximum Trailer Capacity

The vehicle owner is responsible for obtaining the proper hitch ball, ball mounting, weight-distributing equipment (i.e., equalizing arms and snap-up brackets, sway control system) and other appropriate equipment to tow both the trailer and its cargo load.

**Note:** See chart below for the weight-carrying and weight-distributing capacities of these hitch receivers. (These capacities also are shown on a label affixed to each receiver.)

### 5th-Wheel and Gooseneck Hitch Recommendation

Shorter pickup boxes (e.g. 5.5'/6.5' F-150, 6.75' F-250/350) provide less clearance between the cab and 5th-wheel/gooseneck trailer compared to "long box" pickups. When selecting a trailer and tow vehicle, it's critical that this combination provide clearance between the cab and tow vehicle for turns up to and including 90 degrees. Failure to follow this recommendation could result in the trailer contacting the cab of the tow vehicle during tight turns that are typical during low-speed parking and turning maneuvers. This contact could result in damage to the trailer and tow vehicle.

Ford Motor Company offers a factory-installed 5th-wheel hitch prep package option for Super Duty only. Optional 5th-wheel hitch and gooseneck ball are also available. Go to [accessories.ford.com](http://accessories.ford.com) for more information.

## REAR STEP BUMPER/HITCH RECEIVER WEIGHT CAPACITY

The maximum weight capacities for the weight-distributing hitch receivers shown below may exceed the maximum loaded trailer weight for the vehicle specified. Refer to the Trailer Towing Selector charts on pages 15–21 for Maximum Loaded Trailer Weights for each vehicle.

Vehicle	Weight-Carrying Max. Trailer Capacity (Lbs.) <sup>(1)</sup>	Max. Tongue Load (Lbs.)	Weight-Distributing Max. Trailer Capacity (Lbs.) <sup>(1)</sup>	Max. Tongue Load (Lbs.)
<b>Rear Step Bumper:</b>				
E-Series Van/Wagon	5,000	500	–	–
<b>Hitch Receiver:</b>				
Transit Connect	2,000	200	–	–
Edge/Lincoln MKX	3,500	350	–	–
Escape	3,500	350	–	–
Flex/MKT	2,000	200	4,500	450
Explorer	2,000	200	5,000	500
E-Series Van/Wagon	5,000	500	10,000	1,000
Expedition	6,000	600	9,200	920
Navigator	6,000	600	9,000	900
Expedition EL	6,000	600	8,900	890
Navigator L	6,000	600	8,700	870
F-150	5,000	500	11,300	1,130
F-250/F-350 Super Duty SRW	6,000	600	12,500 <sup>(2)</sup>	1,250 <sup>(2)</sup>
F-250/F-350 Super Duty SRW w/6.7L engine	8,500	850	14,000 <sup>(3)(4)</sup>	1,400 <sup>(3)(4)</sup>
F-350 Super Duty DRW w/6.2L engine	8,500	850	15,000 <sup>(3)</sup>	1,500 <sup>(3)</sup>
F-350 Super Duty DRW w/6.7L engine and F-450 Super Duty	8,500	850	18,500 <sup>(3)(5)</sup>	1,850 <sup>(3)(5)</sup>

(1) Rear step bumpers and hitch receivers do not include a hitch ball or ball mounting. The vehicle owner is responsible for obtaining the proper hitch ball, ball mounting, weight-distributing equipment (i.e., equalizing arms and snap-up brackets, sway control system) and other appropriate equipment to tow both the trailer and its cargo load. (2) Not available with 6.7L diesel with 156", 158" and 172" wheelbases. (3) 2.5" receiver. If the provided 2.5" to 2.0" adapter is used, this reduces the Max. Trailer Capacity to 12,500 lbs. and the Max. Tongue Load to 1,250 lbs. (4) Available only with 156", 158" and 172" wheelbases. (5) Available only with 172" wheelbase.



## Weighing in...

### Base Curb Weight

is the weight of the vehicle including a full tank of fuel and all standard equipment. It does not include passengers, cargo or any optional equipment. Your dealership sales consultant can give you this number for the vehicle(s) you are considering.

### Cargo Weight

includes all weight added to the Base Curb Weight, including cargo and optional equipment (check with your sales consultant). When towing, trailer tongue load or king pin weight is also part of the Cargo Weight.

### Payload

is the combined maximum allowable weight of cargo and passengers that the truck is designed to carry. It is the Gross Vehicle Weight Rating minus the Base Curb Weight.

### Gross Vehicle Weight (GVW)

is the Base Curb Weight plus actual Cargo Weight plus passengers. It is important to remember that GVW is not a limit or specification – it is the actual weight that is obtained when the fully-loaded vehicle is driven onto a scale.

### Gross Vehicle Weight Rating (GVWR)

is the maximum allowable weight of the fully-loaded vehicle (including passengers and cargo). This number – along with other weight limits, as well as tire, rim size and inflation pressure data – is shown on the vehicle's Safety Compliance Certification Label, located on the left front door lock facing or the door latch post pillar (see next page). **The GVW must never exceed the GVWR.**

### Gross Axle Weight (GAW)

is the total weight placed on each axle (front and rear). To determine the Gross Axle Weights for your vehicle and trailer combination, take your loaded vehicle and trailer to a scale. With the trailer attached, place the front wheels of the vehicle on the scale to get the front GAW. For rear GAW, weigh the towing vehicle with trailer attached, but with just the four wheels of the vehicle on the scale. Subtracting front GAW from that amount gives you rear GAW.

### Gross Axle Weight Rating (GAWR)

is the maximum weight to be carried by a single axle (front or rear). These numbers are also shown on the Safety Compliance Certification Label. **The total load on each axle must never exceed its GAWR.**



$$\text{Base Curb Weight} + \text{Cargo Weight} + \text{Passenger Weight} = \text{Gross Vehicle Weight (GVW)}$$

GVW must not exceed GVWR (obtain from Safety Compliance Certification Label on the left front door lock facing or the door latch post pillar).

$$\text{GVW} + \text{Loaded Trailer Weight} = \text{Gross Combination Weight (GCW)}$$

GCW must not exceed GCWR (obtain from charts on pages 15–21 or your vehicle Owner's Manual).



### Measuring Tongue Load With Commercial Scale

To measure actual tongue load or king pin weight, disconnect the trailer and place only the tongue (king pin) on a scale (at hitch ball or 5th-wheel king pin receiver height). If the tongue load/king pin weight exceeds the upper weight limit, move more of the trailer contents rearward to achieve the recommended tongue load/king pin weight. If the tongue load or king pin weight is less than the lower limit, shift the load forward.



## ...and knowing your limit.

### Gross Combination Weight (GCW)

is the weight of the loaded vehicle (GVW) plus the weight of the fully loaded trailer. It is the actual weight obtained when the vehicle and trailer are weighed together on a scale.

### Gross Combination Weight Rating (GCWR)

is the maximum allowable weight of the towing vehicle and the loaded trailer – including all cargo and passengers – that the vehicle can handle without risking damage. (Important: The towing vehicle's brake system is rated for operation at the GVWR – NOT GCWR. Separate functional brake systems should be used for safe control of towed vehicles and for trailers weighing more than 1,500 lbs. when loaded.) The measured GCW must never exceed the GCWR.

### Maximum Loaded Trailer Weight

(as shown in the Trailer Towing Selector charts pages 15–21) is the highest possible weight of a fully loaded trailer the vehicle can tow, based on a minimum towing vehicle GVW. It assumes a towing vehicle with any mandatory options, no cargo, tongue load of 10-15% (conventional trailer) or king pin weight of 15-25% (5th-wheel trailer), and driver only (150 lbs.). F-Series Super Duty® Chassis Cab models also assume a second-unit body weight of 1,000 lbs. Weight of additional options, passengers, cargo and hitch must be deducted from this weight.

### Tongue Load or 5th-Wheel King Pin Weight

is another critical measurement that must be made before towing. It refers to the amount of the trailer's weight that presses down on the trailer hitch. Too much tongue load or king pin weight can cause suspension/drivetrain damage, and can press the vehicle down in back causing the front wheels to lift to the point where traction, steering response and braking can be severely decreased. Too little tongue load or king pin weight can reduce rear-wheel traction and cause instability, which may result in tail wagging or jackknifing.

Tongue load or king pin weights must meet the following requirements:\*

- For trailers up to 2,000 lbs., tongue load not to exceed 200 lbs.
- For conventional trailers over 2,000 lbs., tongue load 10-15% of loaded trailer weight.
- For 5th-wheel trailers, king pin weight 15-25% of loaded trailer weight.

Examples: For a 5,000-lb. conventional trailer, multiply 5,000 by .10 and .15 to obtain a proper tongue load range of 500 to 750 lbs. For an 11,500-lb. 5th-wheel trailer, multiplying 11,500 by .15 and .25 yields a king pin weight range of 1,725 to 2,875 lbs.

**Note:** Be sure the addition of tongue load or king pin weight does not cause the key towing vehicle weight limits (GVWR and Rear GAWR) to be exceeded. Remember, GVWR and GAWR are found on the vehicle's Safety Compliance Certification Label. If either of these limits is exceeded, you should go with a larger vehicle or a smaller trailer.

\*Refer to the chart on page 25 for tongue load recommendations with Ford factory-installed rear step bumpers and trailer hitch receivers.

**M** Metric Conversion – To obtain information in kilograms, multiply pounds by .45.

## How to Find Your Truck's Axle Ratio

If you do not know the axle ratio of your vehicle, check its Truck Safety Compliance Certification Label (located on the left front door lock facing or the door latch post pillar). Below the bar code, you will see the word AXLE and a two-digit code. Use this chart to find the axle ratio that corresponds to that code:

### REAR AXLE RATIO CODES

Vehicle	Rear Axle Ratio	Non-Limited Slip	Limited Slip	Electronic Locking
Super Duty	3.31	31	Not Available	3H
	3.55	35	Not Available	3J
	3.73	37	3L	3E
	4.10	41	4N/4W <sup>(1)</sup>	Not Available
	4.30	43	4L	4M
	4.88	48	8L	Not Available
F-150	3.15	15	Not Available	L5
	3.31	27	Not Available	L3
	3.55	19	H9	L9
	3.73	26	B6	L6
	4.10	Not Available	Not Available	L4
Expedition	3.31	15	Not Available	Not Available
	3.73	16	Not Available	Not Available
Navigator	3.73	16	Not Available	Not Available
E-Series	3.73	24/34	B4/C4	Not Available
	4.10	22/32/52/56	B2/C2/E2/E6/F2	Not Available
	4.56	83	F3	Not Available
Motorhome	4.30	43	Not Available	Not Available
	5.38	53	Not Available	Not Available
	6.17	61	Not Available	Not Available
Commercial Stripped Chassis	4.30	43	Not Available	Not Available
	4.88	48	Not Available	Not Available
	5.38	53	Not Available	Not Available

(1) Wide rear axle on F-350 DRW Chassis Cab with Ambulance Package.

## Sample Truck Safety Compliance Certification Label

(Refer to actual label on your vehicle)

**Front GAWR**      **GVWR**      **Rear GAWR**

MFD. BY FORD MOTOR CO.

DATE: 03/13      GVWR: 3334 KG ( 7350 LB)

FRONT GAWR: 1701 KG ( 3750 LB)      WITH TIRES P275/65R18 114T      REAR GAWR: 1746 KG ( 3850 LB)      WITH TIRES P275/65R18 114T

18X7.5J      RIMS 18X7.5J      AT 240 kPa/ 35 PSI COLD      AT 240 kPa/ 35 PSI COLD

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

VIN: 1FTFW1EF7CKD63822      F0183 T0435

TYPE: Truck

EXT PNT: S7      INT TR: UX      TP/PS: 1R      RC: 48      DSO: SPR      CF615

WB: 145      US      5      L9      6      UUA      COA      2201203217164      UTC      SU5A-1520472-BA

**Axle Code**

# Towing accessories.

Ford and Lincoln Custom Accessories offer a great selection of towing items to enhance function and comfort. For current price and warranty information, please contact your dealer or visit our Web sites at: [accessories.ford.com](http://accessories.ford.com) and [accessories.lincoln.com](http://accessories.lincoln.com).



## Trailer Hitch Wiring Harnesses – 4-Pin

This 4-pin wiring harness assembly is made to plug into the factory electrical system. The 4-pin design does not allow the use of trailers with electric brakes. Dealer installation recommended. Not available for Escape Hybrid.

**Base Part No. 15A416**  
**Available for: Escape, Edge and Lincoln MKX**

Uses a 4-pin trailer tow connector and converter box which interfaces to the vehicle's rear lighting signals and power source.

**Base Part No. 15A416**  
**Available for: Flex**

The 7-pin design allows the use of trailers with electric brakes. Includes bracket for convenient attachment. Available for vehicles with or without reverse camera system option. Dealer installation recommended.

**Base Part No. 15A416**  
**Available for: F-150**



## Trailer Hitch Assemblies

**CLASS II, III and IV:** Original equipment hitch bolts directly into existing holes – no drilling or welding required. Rear fascia trim required for installation.

*NOTE: Towing capacity could be limited by vehicle powertrain. See your dealer or Owner's Manual for details. Not available on Escape Hybrid.*

**Base Part No. 19D520**  
**Available for: Escape (Class I/II), Edge, Flex, Lincoln MKX, F-150 and E-Series**

## 5th-Wheel/Gooseneck Hitch Prep Package

Required Prep Package for 5th-Wheel and Gooseneck Hitch Kits. Wiring harness not included.

**Base Part No. 5F057**  
**Available for: Super Duty F-250, F-350 and F-450**



## Gooseneck Hitch Kit

This 2-5/16-inch Gooseneck Hitch Ball has a Gross Trailer Weight Rating of 25,000 lbs., plus a pin weight rating of 6,250 lbs. The kit also includes two cast-steel safety chain tie-down hooks and a nylon storage bag.

*NOTE: This kit is only for use with the 5th-Wheel and Gooseneck Hitch Prep Package. Other restrictions: cannot be used with drop-in bedliners or bed mats. See Owner's Manual for specific vehicle tow ratings.*

**Base Part No. 19F503**  
**Available for: Super Duty F-250 and F-350**



## 5th-Wheel Hitch Kit

The 5th-Wheel Hitch Kit has a Gross Trailer Weight Rating of 18,000 and 24,500 lbs. and a pin weight rating of 6,250 lbs. Other features include a forged jaw; a high-capacity head support structure; 10° front-to-back pivot and 4° side-to-side pivot for easy hook-ups; 14-inch to 16.5-inch vertical height adjustment; and an extended-length handle.

*NOTE: This kit is only for use with the 5th-Wheel and Gooseneck Hitch Prep Package. Other restrictions: only compatible with 8-foot beds – cannot be used with drop-in bedliners or bed mats. See Owner's Manual for specific vehicle tow ratings.*

**Base Part No. 19D520**  
**Available for: Super Duty F-250 and F-350**



## Trailer Hitch Drawbars – Square Shank

Can be used in the raised or dropped position to match trailer coupler height. Available in durable black powdercoat. See your dealer or Owner's Manual for towing limitations.

**Base Part No. 19A282**  
**Available for: Vehicles with 2-1/2" (6cm) receiver for Super Duty**

**Vehicles with 2" (5cm) receiver for Escape, Edge, Lincoln MKX, Flex, Expedition/EL, Navigator/L, F-150 and E-Series**

**Vehicles with 1-1/4" (3cm) receiver – for some past model years**



## Trailer Hitch Ball

Forged, stainless steel construction for maximum strength and corrosion resistance. Available in three sizes – 1-7/8", 2" and 2-5/16". See your dealer for towing limitations.

**Base Part No. 19F503**  
**Available for: Vehicles equipped with trailer hitch**



## Trailer Brake Kit

Vehicles must be equipped with Trailer Tow Package or Max Trailer Tow Package (wiring) for kit to be functional.

**Base Part No. 19H332**  
**Available for: F-150**



## Neutral Tow Kit

This handy kit allows you to tow your Explorer or Sport Trac behind your motorhome – with all four wheels on the ground. Available for 2006-2010 Explorer 4.6L V8 or 2007-2010 Sport Trac 4.6L V8, 4WD and an automatic transmission. Dealer installation recommended. Not available for AWD vehicles.

**Base Part No. 7H332**



## Telescoping Trailer Tow Mirrors

**MANUAL:** When towing, the mirror telescopes out to help increase your range of vision. When not towing, the mirror slides in for normal range. Mirrors also include a forward folding feature that allows them to be folded against the vehicle for tight spaces. (Black housing.)

**POWER:** Provides the same features as manual trailer tow mirrors, but the mirror glass features a power adjust. Mirror glass is also electrically heated to minimize snow and ice buildup. The mirror telescoping feature is still manual. (Black and chrome housing cap.)

*NOTE: Power trailer tow mirrors are for vehicles equipped with power mirrors only and turn signal/marker light feature is only functional on vehicles originally equipped with those features.*

**Base Part No. 17682 Passenger Side**  
**Base Part No. 17683 Driver Side**  
**Base Part No. 17696 Kit (Driver and Passenger Side)**  
**Available for: F-150 and Super Duty**



# Towing basics.

Towing a trailer is demanding on your vehicle, your trailer and your personal driving skills. Follow some basic rules that will help you tow safely and have a lot more fun.

## Weight Distribution

- For optimum handling and braking, the load must be properly distributed
- Keep center of gravity low for best handling
- Approximately 60% of the allowable cargo weight should be in the front half of the trailer and 40% in the rear (within limits of tongue load or king pin weight)
- Load should be balanced from side-to-side to optimize handling and tire wear
- Load must be firmly secured to prevent shifting during cornering or braking, which could result in a sudden loss of control

## Before Starting

- Before setting out on a trip, practice turning, stopping and backing up your trailer in an area away from heavy traffic
- Know clearance required for trailer roof
- Check equipment (make a checklist)

## Backing

- Back up slowly, with someone spotting near the rear of the trailer to guide you
- Place one hand at bottom of steering wheel and move it in the direction you want the trailer to go
- Make small steering inputs – slight movement of steering wheel results in much greater movement in rear of trailer

## Turning

When turning, be sure to swing wide enough to allow trailer to avoid curbs and other obstructions.

## Braking (Also see page 23)

- Allow considerably more distance for stopping with trailer attached
- Remember, the braking system of the tow vehicle is rated for operation at the GVWR, not GCWR
- If your tow vehicle is a F-150, F-Series Super Duty®, E-Series or Expedition and your trailer has electric brakes, the optional Integrated Trailer Brake Controller (TBC) will help assure smooth, effective trailer braking by automatically proportioning the trailer braking to that of the towing vehicle
- If your trailer starts to sway, apply brake pedal gradually. The sliding lever on the TBC should be used only for manual activation of trailer brakes when adjusting the gain. Misuse, such as application during trailer sway, could cause instability of trailer and/or tow vehicle

## Towing On Hills

- Downshift the transmission to assist braking on steep downgrades and to increase power (reduce lugging) when climbing hills
- With TorqShift® transmission, select Tow/Haul Mode to automatically eliminate unwanted gear search when going uphill and help control vehicle speed when going downhill

## Parking With A Trailer

Whenever possible, vehicles with trailers should not be parked on a grade. However, if it is necessary, place wheel chocks under the trailer's wheels, following the instructions below.

- Apply the foot service brakes and hold
- Have another person place the wheel chocks under the trailer wheels on the downgrade side
- Once the chocks are in place, release brake pedal, making sure the chocks will hold the vehicle and trailer
- Apply the parking brake
- Shift automatic transmission into park, or manual transmission into reverse
- With 4-wheel drive, make sure the transfer case is not in neutral (if applicable)

## Starting Out Parked On A Grade

- Apply the foot service brake and hold
- Start the engine with transmission in park (automatic) or neutral (manual)
- Shift the transmission into gear and release the parking brake
- Release the brake pedal and move the vehicle uphill to free the chocks
- Apply the brake pedal while another person retrieves the chocks

## Acceleration And Passing

The added weight of the trailer can dramatically decrease the acceleration of the towing vehicle – exercise caution.

- When passing a slower vehicle, be sure to allow extra distance. Remember, the added length of the trailer must clear the other vehicle before you can pull back in
- Signal and make your pass on level terrain with plenty of clearance
- If necessary, downshift for improved acceleration

## Driving With An Automatic Overdrive Transmission

With certain automatic overdrive transmissions, towing – especially in hilly areas – may cause excessive shifting between overdrive and the next lower gear.

- To eliminate this condition and achieve steadier performance, overdrive can be locked out (see vehicle Owner's Manual)
- If excessive shifting does not occur, use overdrive to optimize fuel economy
- Overdrive may also be locked out to obtain engine braking on downgrades
- When available, select Tow/Haul Mode to automatically eliminate unwanted gear search and help control vehicle speed when going downhill

## Driving With Speed Control

When driving uphill with a heavy load, significant speed drops may occur.

- An 8-14 mph speed drop will automatically cancel speed control
- Temporarily resume manual control through the vehicle's accelerator pedal until the terrain levels off

## Tire Pressure

- Underinflated tires get hot and may fail, leading to possible loss of vehicle control
- Overinflated tires may wear unevenly
- Tires should be checked often for conformance to recommended cold inflation pressures

## Spare Tire Use

A conventional full-size spare tire is required for trailer towing (mini spare tires should not be used; always replace the spare tire with the road tire as soon as possible).

## On The Road

After about 50 miles, stop in a protected location and double-check:

- Trailer hitch attachment
- Lights and electrical connections
- Trailer wheel lug nuts for tightness
- Engine oil – check regularly throughout trip

## High Altitude Operation

Gasoline engines lose power by 3-4% per 1,000 ft. elevation. To maintain performance, reduce GVWs and GCWs by 2% per 1,000 ft. elevation.

## Powertrain/Frontal Area Considerations

The charts in this Guide show the minimum engine size needed to move the GCW of tow vehicle and trailer.

- Under certain conditions, however, (e.g., when the trailer has a large frontal area that adds substantial air drag or when trailering in hilly or mountainous terrain) it is wise to choose a larger engine
- Selecting a trailer with a low-drag, rounded front design will help optimize performance and fuel economy

**Note:** For additional trailering information pertaining to your vehicle, refer to the vehicle Owner's Manual.

**For the latest RV/Towing information, check out [www.fleet.ford.com/towing-guides](http://www.fleet.ford.com/towing-guides) or for Ford Dealers go to [esourcebook.dealerconnection.com](http://esourcebook.dealerconnection.com) and for Lincoln Dealers go to [lincoln.productportfolio.dealerconnection.com](http://lincoln.productportfolio.dealerconnection.com).**



Metric Conversion – To obtain information in centimeters, multiply feet by 30.48; to obtain information in kilometers, multiply miles by 1.6.

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