

2015

# RV & TRAILER TOWING GUIDE



LINCOLN



## OUTSTANDING TOWING CAPABILITIES.

Make no mistake, 2015 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 19,000 pounds, 5th-wheel trailers up to 26,500 pounds and gooseneck trailers up to 31,200 pounds.

**Decades of RV and towing experience** in every configuration.

**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.

### SAE Towing Standard

The Society of Automotive Engineers (SAE) testing standard J2807 defines procedures and requirements to determine gross combined weight ratings (GCWR) and to calculate the trailer weight rating (TWR) for any tow vehicle. This standard establishes minimum performance conditions to allow for consistent comparisons between similar class vehicles up to 13,000 lbs. GVWR. Ford will apply the SAE standard to all new vehicles. Ford began applying the standard on the all-new 2013 Fusion and Escape models. Other vehicles meeting this standard include Transit Connect and Flex (starting with 2014), Transit (starting with 2015), F-150 (starting with 2015) and 2015 F-450 Super Duty Pickup.

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



## F-150 – THE FUTURE OF TOUGH.

Built Ford Tough® is taken to a new level. The 2015 F-150 combines an **all-new high-strength steel frame**, rated up to 70,000 psi – stronger than the steel found in some competitors' heavy-duty pickup truck frames with a **military-grade aluminum alloy body**...combining the best of both materials for the toughness only Ford can deliver for outstanding towing and superior handling. The staggered rear outboard shocks help provide additional driving stability. Exceptional space, power and towing capacity make F-150 the preferred choice for towing and hauling.

Features include an available integrated trailer brake controller, trailer tow mirrors and a 360-degree camera system that provides a view of all four sides of the vehicle. The Smart Trailer Tow Connector provides drivers with trailer connection status, lighting and trailer battery alerts and warnings. The Dynamic Hitch Assist enhancement to the rear camera enables easier hitching by helping to line up the truck and trailer without requiring a spotter or having to get out of the vehicle. All 4WD models include neutral tow functionality and maximum trailer tow packages include an upgraded rear bumper and trailer tow mirrors.

**37**  
YEARS  
FORD  
F-SERIES  
AMERICA'S  
BEST-SELLING  
TRUCK

### MAXIMUM PRODUCTIVITY.

Towing Capability  
**12,200 pounds<sup>(1)</sup>**

Payload Capacity  
**3,300 pounds<sup>(1)</sup>**

Cargo Box Volume  
**77.4 cu. ft.**

### F-150 Features

**Three cab styles** – Regular, SuperCab and SuperCrew®

**Fully boxed ladder-style frame**, excellent handling control

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

**BoxLink™** improves productivity with ramps and universal attachments

**110-volt outlets** – deliver up to 400 watts for small-corded tools and tool battery chargers

<sup>(1)</sup> Best-in-class payload and towing when properly equipped.

<sup>(2)</sup> When properly equipped. Class is full-size pickups under 8,500 lbs. GVWR.

### Efficient Engine Performance – Outstanding Capability.

The impressive F-150 engine lineup has been extensively tested to meet high-durability and reliability standards.

**New** 3.5L V6 Ti-VCT, delivers 282 hp and 253 lb.-ft. of torque

**New** 2.7L EcoBoost® V6 with Auto Start-Stop technology delivers 325 hp and 375 lb.-ft. of torque

3.5L EcoBoost® V6 delivers 365 hp and 420 lb.-ft. of torque

5.0L V8 Flex Fuel capability delivers 385 hp and 387 lb.-ft. of torque

Standard 6-speed automatic transmission with Tow/Haul Mode

# SUPER DUTY® PICKUPS – TOUGH KEEPS GETTING TOUGHER.

2015 Ford F-Series Super Duty pickups set the standard for “Tough” with best-in-class diesel horsepower and torque. A new 31,200-lb. maximum towing capability on F-450<sup>1</sup> is not only best-in-class,<sup>2</sup> it’s a whopping 8,000 lbs. more than comparable Chevy trucks and 2,200 lbs. more than Ram. And class-leading fuel economy<sup>3</sup> with the 6.7L Power Stroke® V8 Turbo Diesel engine,<sup>4</sup> makes getting from point A to B a cost-efficient proposition. From increased capabilities to improved power and performance to beefier underpinnings and beyond, this Super Duty takes Built Ford Tough® to new extremes, so you can get the job done when no one else can.



**Horsepower**  
**440 hp @ 2800 rpm**<sup>(5)</sup>

**Torque**  
**860 lb.-ft. @ 1600 rpm**<sup>(5)</sup>

**Conventional Towing**  
**up to 19,000 lbs.**<sup>(6)</sup>

**5th-Wheel Towing**  
**up to 26,500 lbs.**<sup>(6)</sup>

**Gooseneck Towing**  
**up to 31,200 lbs.**<sup>(6)</sup>

**Payload**  
**up to 7,050 lbs.**<sup>(7)</sup>

## POWERFUL ENGINE CHOICES.

### 6.7L V8 Turbo – the diesel leader

Designed, engineered and built by Ford, our Second-Generation 6.7L Power Stroke® V8 Turbo Diesel engine produces more power and torque than ever. Best-in-class 440 hp is due in part to a new larger single-sequential turbocharger, which helps improve airflow and performance. You'll really appreciate it when towing heavy loads uphill and at high altitudes.

### Rule the class with 6.2L 2-valve V8 gas

Ease your heavy-duty workload with lots of low-rpm torque. The gas engine's stiff SOHC valvetrain with roller-rocker shafts enables an intake- and exhaust-port layout that optimizes airflow, helping it produce plenty of torque down low.

**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.

(1) When properly equipped.

(2) Class is full-size pickups over 8,500 lbs. GVWR.

(3) Based on Ford simulated city-suburban drive-cycle tests of comparably equipped 2015 Ford and 2011-2013 competitive models, consistent with SAE Standard J1321.

(4) Available feature.

(5) 6.7L Power Stroke® V8 Turbo Diesel.

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

(7) F-350 DRW Regular Cab 4x2.



**PULL THE MOST – CONFIDENTLY.****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>(8)</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>(9)</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>(10)</sup> output, gain levels and trailer connection status

**Tow/Haul Mode With Integrated Exhaust Brake<sup>(11)</sup>**

- Tow/Haul Mode and Tow/Haul Mode with integrated engine brake (6.7L diesel only) give drivers even greater control when traveling downhill
- Helps eliminate unwanted frequency of gear shifting on steep uphill grades and allow engine braking to maintain or reduce vehicle speed and assist the driver in controlling the vehicle when descending a steep grade
- Provides additional braking and control on downhill grades when used in combination with the engine brake feature on the 6.7L V8 turbo diesel engine
- When the engine braking switch is selected, the engine brake adjusts the vanes on the exhaust side of the turbocharger to generate engine backpressure
- Extra braking power requires less manual brake application from the driver, especially on downhill grades
- Using the engine brake to slow the vehicle, rather than applying the brakes, helps reduce brake fade and brake lining wear

**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

<sup>(8)</sup> 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.

<sup>(9)</sup> Standard on F-350 DRW/F-450; optional on F-250/F-350 SRW.

<sup>(10)</sup> TBC verified to be compatible with electrically actuated drum brakes and certain Electric-Over-Hydraulic brake systems. See your Ford dealer for details.

<sup>(11)</sup> 6.7L Power Stroke® V8 Turbo Diesel.

**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.

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

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 and tires 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

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

## ENGINEERED FOR 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. (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

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







## 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

<sup>(1)</sup> Based on August 2013 CYTD motorhome registrations. Source: Statistical Surveys, Inc.

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

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

<sup>(4)</sup> Always wear your safety belt.

<sup>(5)</sup> See your Ford dealer for details.

### Motorhome Customer Care – we're here for you.

#### 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.





## 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 7,600 lbs. on XL and 7,850 lbs. on XLT and Lariat.
- LT245/70R17E BSW A/T tires (5) (XL)
  - LT275/65R18C OWL A/T tires (5) (XLT/Lariat)
  - 17" silver steel heavy-duty wheels (XL)
  - 18" silver aluminum heavy-duty wheels (XLT/Lariat)
  - Upgraded springs and auxiliary transmission oil cooler
  - 9.75" gear set with 3.73 electronic-locking slip axle

Available on XL, XLT Base, XLT Mid and Lariat Base. 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

## 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.

# 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

If you intend to pull a trailer in addition to carrying your camper, see the F-Series Pickup Trailer Towing Selector charts on pages 16–17.

Model	Wheelbase	GVWR (Lbs.)				Maximum Cargo Weight Rating (Lbs.)			
		3.5L GTDI	5.0L	6.2L	6.7L	3.5L GTDI Std.	5.0L Std.	6.2L Std./Opt.†	6.7L Std./Opt.†
<b>F-150 (1)</b>									
4x2 Reg. Cab(3)	141.1"	7,600	7,600	-	-	2,548	2,558	- / -	- / -
4x2 SuperCab(3)	163.7"	7,600	7,600	-	-	1,760	1,759	- / -	- / -
4x2 SuperCrew(3)	156.8"	7,600	7,600	-	-	1,728	1,725	- / -	- / -
4x4 Reg. Cab(3)	141.1"	7,600	7,600	-	-	2,344	2,335	- / -	- / -
4x4 SuperCab(3)	163.7"	7,600	7,600	-	-	1,530	1,524	- / -	- / -
4x2 SuperCrew(3)	156.8"	7,600	7,600	-	-	1,496	1,486	- / -	- / -
4x4 Reg. Cab(4)	141.1"	7,850	7,850	-	-	2,780	2,790	- / -	- / -
4x4 SuperCab(4)	163.7"	7,850	7,850	-	-	1,992	1,991	- / -	- / -
4x4 SuperCrew(4)	156.8"	7,850	7,850	-	-	1,960	1,957	- / -	- / -
4x4 Reg. Cab(4)	141.1"	7,850	7,850	-	-	2,576	2,567	- / -	- / -
4x4 SuperCab(4)	163.7"	7,850	7,850	-	-	1,762	1,756	- / -	- / -
4x4 SuperCrew(4)	156.8"	7,850	7,850	-	-	1,728	1,718	- / -	- / -
<b>F-250 Super Duty (2)</b>									
4x2 Reg. Cab	137.0"	-	-	10,000	10,000	-	-	3,806/ -	3,115/ -
4x2 SuperCab	141.8"	-	-	10,000	10,000	-	-	3,024/ -	2,347/ -
4x2 SuperCab	158.0"	-	-	10,000	10,000	-	-	2,926/ -	2,184/ -
4x2 Crew Cab	156.2"	-	-	10,000	10,000	-	-	2,812/ -	2,148/ -
4x2 Crew Cab	172.4"	-	-	10,000	10,000	-	-	2,707/ -	1,975/ -
4x4 Reg. Cab	137.0"	-	-	10,000	10,000	-	-	3,396/ -	2,703/ -
4x4 SuperCab	141.8"	-	-	10,000	10,000	-	-	2,625/ -	2,000/ -
4x4 SuperCab	158.0"	-	-	10,000	10,000	-	-	2,523/ -	1,793/ -
4x4 Crew Cab	156.2"	-	-	10,000	10,000	-	-	2,426/ -	1,792/ -
4x4 Crew Cab	172.4"	-	-	10,000	10,000	-	-	2,312/ -	1,586/ -
<b>F-350 Super Duty (2)</b>									
4x2 SRW Reg. Cab(3)	137.0"	-	-	10,000	10,500*	-	-	3,694/ -	3,548/3,048
4x2 SRW SuperCab(3)	141.8"	-	-	10,000	10,700*	-	-	2,956/ -	2,981/2,281
4x2 SRW SuperCab(3)	158.0"	-	-	10,200*	10,800*	-	-	3,087/2,887	2,948/2,148
4x2 SRW Crew Cab(3)	156.2"	-	-	10,200*	10,800*	-	-	2,973/2,773	2,911/2,111
4x2 SRW Crew Cab(3)	172.4"	-	-	10,500*	11,100*	-	-	3,139/2,639	3,038/1,938
4x2 SRW Reg. Cab(4)	137.0"	-	-	10,500	11,000	-	-	4,152/ -	4,007/ -
4x2 SRW SuperCab(4)	141.8"	-	-	10,500	11,000	-	-	3,414/ -	3,239/ -
4x2 SRW SuperCab(4)	158.0"	-	-	10,900	11,500	-	-	3,745/ -	3,606/ -
4x2 SRW SuperCab(4)	158.0"	-	-	-	11,400	-	-	- / -	3,506/ -
4x2 SRW Crew Cab(4)	156.2"	-	-	10,700	11,400	-	-	3,432/ -	3,470/ -
4x2 SRW Crew Cab(4)	172.4"	-	-	11,000	11,500	-	-	3,598/ -	3,397/ -
4x2 SRW Crew Cab(4)	172.4"	-	-	-	11,400	-	-	- / -	3,302/ -
4x2 DRW Reg. Cab	137.0"	-	-	13,500	14,000	-	-	6,829/ -	6,682/ -
4x2 DRW SuperCab	158.0"	-	-	13,900	14,000	-	-	6,381/ -	5,733/ -
4x2 DRW Crew Cab	172.4"	-	-	14,000	14,000	-	-	6,255/ -	5,513/ -
4x4 SRW Reg. Cab(3)	137.0"	-	-	10,400*	10,800*	-	-	3,681/3,281	3,428/2,628
4x4 SRW SuperCab(3)	141.8"	-	-	10,500*	11,100*	-	-	3,068/2,568	3,024/1,924
4x4 SRW SuperCab(3)	158.0"	-	-	10,700*	11,200*	-	-	3,185/2,485	2,946/1,746
4x4 SRW Crew Cab(3)	156.2"	-	-	10,600*	11,200*	-	-	2,988/2,388	2,926/1,726
4x4 SRW Crew Cab(3)	172.4"	-	-	10,800*	11,200*	-	-	3,075/2,275	2,734/1,534
4x4 SRW Reg. Cab(5)	137.0"	-	-	11,300	11,500	-	-	4,501/ -	4,053/ -
4x4 SRW Reg. Cab(5)	137.0"	-	-	-	11,400	-	-	- / -	3,958/ -
4x4 SRW SuperCab(5)	141.8"	-	-	11,100	11,500	-	-	3,593/ -	3,351/ -
4x4 SRW SuperCab(5)	141.8"	-	-	-	11,400	-	-	- / -	3,256/ -
4x4 SRW SuperCab(5)	158.0"	-	-	11,000	11,500	-	-	3,410/ -	3,174/ -
4x4 SRW SuperCab(5)	158.0"	-	-	-	11,400	-	-	- / -	3,079/ -
4x4 SRW Crew Cab(5)	156.2"	-	-	11,300	11,500	-	-	3,613/ -	3,148/ -
4x4 SRW Crew Cab(5)	172.4"	-	-	11,200	11,500	-	-	3,400/ -	2,959/ -
4x4 SRW Crew Cab(5)	156.2"	-	-	-	11,400	-	-	- / -	3,053/ -
4x4 SRW Crew Cab(5)	172.4"	-	-	-	11,400	-	-	- / -	2,864/ -
4x4 DRW Reg. Cab	137.0"	-	-	13,800	14,000	-	-	6,712/ -	6,262/ -
4x4 DRW SuperCab	158.0"	-	-	14,000	14,000	-	-	6,070/ -	5,330/ -
4x4 DRW Crew Cab	172.4"	-	-	14,000	14,000	-	-	5,852/ -	5,112/ -
<b>F-450 Super Duty (2)</b>									
4x4 DRW Crew Cab	172.4"	-	-	-	14,000	-	-	- / -	4,643/ -

(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. †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: FOUR WHEELS DOWN.

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 25 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.

If your vehicle configuration is not listed in the chart at right, then for Four-Wheel-Down towing is not available.

## FOUR-WHEEL-DOWN AVAILABILITY

2015 Cars	Manual Transmission	Automatic Transmission
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>2015 Crossovers</b>		
C-MAX Hybrid/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/2.7L EcoBoost® (FWD/AWD)	N/A	Yes (3)(4)(5)
MKX 3.7L (FWD/AWD)	N/A	Yes (3)(4)(5)
<b>2015 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)
Expedition 4x4	N/A	Yes (9)
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.



## DOLLY-TOW AVAILABILITY

2015 Ford Vehicles	FWD	RWD	AWD/4WD
Fiesta/Fiesta ST	Yes	N/A	N/A
Focus/Focus ST	Yes	N/A	N/A
Focus Electric	Yes	N/A	N/A
Mustang	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 Cutaway/Stripped Chassis	N/A	No	N/A
Transit	N/A	No	N/A

## 2015 Lincoln Vehicles

MKS	Yes	N/A	No
MKT	Yes	N/A	No
Lincoln MKX	Yes	N/A	No
MKC	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.

## TOW-DOLLY FLEXIBILITY.

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.**

## 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.

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

## 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/MKC

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

### Edge/Lincoln MKX

- For trailers over 1,500 pounds with 2.0L EcoBoost® engine and for trailers over 2,000 pounds with 3.5L V6 and 3.7L V6 engines – 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 6,600 pounds (Expedition) and 6,200 pounds (Navigator) – Heavy-Duty Trailer Tow Package

### Transit Van and Wagon

- For trailers over 5,000 pounds – Heavy-Duty 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.*

**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.

## FRONTAL AREA CONSIDERATIONS

Vehicle Line	Frontal Area Limitations/ Considerations	With
Transit Connect	20 sq. ft.	All Applications
Mustang	12 sq. ft.	All Applications
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 1.5L 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/MKC	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
	40 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
Expedition/Navigator	Base Vehicle Frontal Area (36 sq. ft.)	Without Heavy-Duty Trailer Tow Package
	60 sq. ft.	With Heavy-Duty Trailer Tow Package
E-Series Cutaway	60 sq. ft.	All Applications
Transit	55 sq. ft.	All Applications
F-150	Base Vehicle Frontal Area (36.6 sq. ft.)	Without Trailer Tow Package or Payload Package
	55 sq. ft.	Any Powertrain with Trailer Towing Package or Payload Package and Trailer Towing Ratings Between 5,001 and 7,700 lbs.
	60 sq. ft.	Any Powertrain with Trailer Towing Package or Payload Package and Trailer Towing Ratings 7,701 lbs. and Greater
	75 sq. ft.	All 5th-Wheel and Gooseneck Applications with Any Powertrain with Trailer Towing Package or Payload Package
F-250/F-350/F-450/F-550 Super Duty	75 sq. ft.	All 5th-Wheel and Gooseneck Applications
	60 sq. ft.	All Other Applications

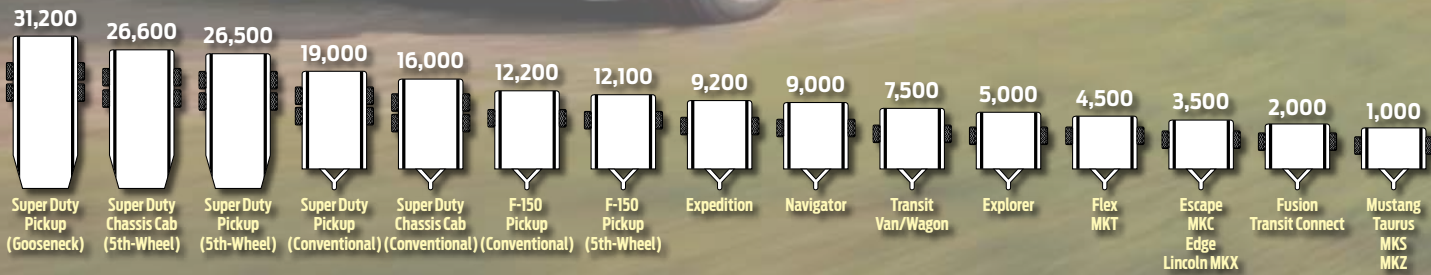
**Note:** Fusion, MKZ, Escape, MKC, Flex, MKT, Transit Connect, Transit, F-150 and F-450 Super Duty pickup calculated with SAE J2807 method.

## 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 can help optimize performance efficiency.



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/MKC (536) <sup>(1)</sup>	Explorer (52T)	Expedition/Navigator (Std.)	Expedition/Navigator (536)	Transit Van/Wagon (53B)	F-150 (Std.)	F-150 (53B)	F-150 (53A)	F-150 (53C)	F-250/F-350 Super Duty Pickup (Standard)	F-350 Super Duty Pickup <sup>(9)</sup> (535)	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	-	-	-	-	-	- / -	- / -	-	-	-	-	-	-	-	-	-	-
7-Wire Harness & 4-/7-Pin Connector	-	-	X	-	X	- / X	X / (Std.)	X(2)	-	X	X	X	X	(Std.)	-	-	-
7-Wire Harness (Blunt Cut) with Relays	-	-	-	-	-	- / -	- / -	-	-	-	-	-	-	-	X	(Std.)	(Std.)
Trailer Wiring Harness (4-Pin)	X	X	-	X	-	X / -	- / -	-	X	-	-	-	-	-	-	-	-
Hitch Receiver (See chart on page 28)	X	X	X	X	X	X / X	(Std.)/(Std.)	X	-	X	X	X	X	(Std.)	-	-	-
Aux. Auto Trans. Oil Cooler	-	-	-	-	-	- / X	X / (Std.)	-	-	-	X	X	-	-	-	-	-
Upgraded Cooling Fans	-	X	-	-	-	- / -	- / -	-	-	-	-	-	-	-	-	-	-
Radiator Upgrade	-	X	-	-	-	- / X	X / (Std.)	-	-	-	-	-	-	-	-	-	-
Heavy-Duty Flashers	-	-	-	-	-	X / X	(Std.)/(Std.)	-	-	-	-	-	-	-	-	-	-
Smart Trailer Tow Connector	-	-	-	-	-	- / -	- / -	-	-	X	X	X	-	-	-	-	-
Upgraded Front Stabilizer Bar	-	-	-	-	-	- / -	- / -	-	-	-	X	X	-	-	-	-	-
Trailer Brake Wiring/Feed Kit	-	-	-	-	-	- / -	- / -	-	-	-	-	-	X(4)	(Std.)(4)	X(4)	X	X(3)
Max Front Springs	-	-	-	-	-	- / -	- / -	-	-	-	-	-	-	X	-	-	-
Upgraded Rear Axle	-	-	-	-	-	- / -	- / -	-	-	-	-	X	X(8)	X(10)	-	-	X
Increased GCW (6.7L)	-	-	-	-	-	- / -	- / -	-	-	-	-	-	X(8)	X	-	-	X
Upgraded Rear Bumper	-	-	-	-	-	- / -	- / -	-	-	-	-	X	-	-	-	-	-
Rear Stabilizer Bar	-	-	-	-	-	- / -	- / -	-	-	-	-	-	X(5)	(Std.)	X	(Std.)	(Std.)
Rear Load-Leveling Suspension	-	-	-	-	-	- / X(11)	- / (Std.)	-	-	-	-	-	-	-	-	-	-
Electronic Brake Wiring Kit	-	-	-	-	-	- / X	X / (Std.)	-	-	-	-	-	-	-	-	-	-
Electric Brake Controller Tap-In Capability	-	-	-	-	-	- / -	- / -	X	-	-	-	-	-	-	-	-	-
Trailer Brake Controller	-	-	-	-	-	- / -	X / -	-	-	-	-	X	X(5)	(Std.)	-	-	-
Trailer Sway Control	X	X	X	X	(Std.)	X / X	(Std.)/(Std.)	-	X	(Std.)	(Std.)	(Std.)	X	(Std.)	X(6)	(Std.)(6)	-
Engine Oil Cooler (3.5L/3.7L)	-	-	X(7)	-	X	- / -	- / -	-	-	-	X	-	-	-	-	-	-

(1) Available with 2.0/2.3L EcoBoost® 14 only. Available as dealer accessory with 2.5L I4 engine and 1.6L EcoBoost® 14 engine. (2) Blade-style female connector including relay system for backup/B+/running lights. (3) Not included if Trailer Brake Controller is ordered. (4) In-cab, no controller (SRW). (5) F-350 DRW; F-450. (6) SRW only. (7) Not included with EcoBoost® engine. (8) F-450 only. (9) F-350 DRW 4x4 Crew Cab only. (10) Wide track axle. (11) Not available with 4x4.

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.



# TRAILER TOWING SELECTOR

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 TOWING <sup>(1)(2)</sup> – Maximum Loaded Trailer Weight (lbs.)

Automatic Transmission			REGULAR CAB				SUPERCAB				SUPERCREW®				
Engine	Axle Ratio	GCWR (Lbs.)	4x2		4x4		4x2		4x4		4x2		4x4		
			122" Wb	141" Wb	122" Wb	141" Wb	145" Wb	164" Wb	145" Wb	164" Wb	145" Wb	157" Wb	145" Wb	157" Wb	
3.5L 4-Valve V6	3.55	9,400	5,000	-	-	-	-	-	-	-	-	-	-	-	
		9,500	-	5,000	-	-	-	-	-	-	-	-	-	-	
		9,800	-	-	-	-	5,000	-	-	-	-	-	-	-	
	3.73	9,900	-	-	-	-	-	-	-	-	5,000	-	-	-	
		12,000	7,600	-	-	-	-	-	-	-	-	-	-	-	
		12,100	-	7,600	-	-	-	-	-	-	-	-	-	-	
2.7L GTDI V6	3.31	12,200	7,600	-	-	-	-	-	-	-	-	-	-	-	
		12,300	-	7,600	-	-	-	-	-	-	-	-	-	-	
		12,500	-	-	-	-	7,600	-	-	-	-	-	-	-	
	3.55	12,600	-	-	-	-	-	7,600	-	-	7,600	7,600	-	-	
		12,500	-	-	7,600	7,600	-	-	-	-	-	-	-	-	
		12,700	-	-	-	-	-	-	7,600	-	-	-	-	-	
	3.73	12,800	-	-	-	-	-	-	-	-	-	-	7,600	-	
		13,100	8,500	8,400	-	-	8,200	8,100	-	-	8,100	8,100	-	-	
		13,300	-	8,500(3)	8,400	8,400/8,300(3)	8,300(3)	8,200(3)	8,200/8,100(3)	-	8,200(3)	8,200(3)	8,100/8,000(3)	-	
		5.0L 4-Valve V8	3.31	13,000	8,400	-	-	-	-	-	-	-	-	-	-
				13,200	-	-	8,300	-	-	-	-	-	-	-	-
				13,900	-	9,100	-	-	-	-	-	-	-	-	-
14,100	-			-	-	9,100	-	-	-	-	-	-	-		
14,200	-			-	-	-	9,200	-	-	-	9,100	9,100	-	-	
3.55	3.55	14,300	-	-	-	-	9,200	9,100	9,000	-	-	9,000	8,900		
		13,200	-	-	8,300	-	-	-	-	-	-	-	-		
		13,800	9,200	-	-	-	-	-	-	-	-	-	-		
	3.73	14,100	-	-	-	9,100	-	-	-	-	-	-	-		
		14,400	-	-	-	-	-	-	9,200	-	-	-	9,100		
		14,500	-	-	-	-	-	-	-	9,100	-	-	-		
		14,900	-	10,100	-	-	-	-	-	-	-	-	-		
		15,200	-	-	-	-	10,200	-	-	-	10,100	10,100	-		
		15,300	-	-	-	-	-	10,200	-	-	-	-	-		
		14,600	-	-	9,700	-	-	-	-	-	-	-	-		
		16,000(4)	-	11,000(5)/11,100(6)	-	-	-	-	-	-	-	-	-		
		16,100(4)	-	-	-	10,900(5)	-	-	-	-	-	-	-		
16,200	-	-	-	11,000(6)/11,100	-	-	11,000	10,900	-	-	10,900	10,800			
16,200(4)	-	-	-	-	-	10,800(5)/11,000(6)	-	10,600(5)/10,700(6)	-	10,800(5)/10,900(6)	-	10,500(5)/10,600(6)			
3.5L GTDI V6	3.15	15,500	-	10,700	-	-	-	-	-	-	-	-	-		
		15,800	-	-	-	-	10,800	-	-	-	10,700	-	-		
		15,900	-	-	-	-	-	10,700	-	-	-	10,700	-		
	3.31	15,800	-	-	-	10,700	-	-	-	-	-	-	-		
		16,000	-	-	-	-	-	-	10,700	-	-	-	-		
		16,100	-	-	-	-	-	-	-	-	-	10,700	10,700		
	3.55	16,200	-	-	-	-	-	-	-	10,800	-	-	-		
		15,800	-	-	-	10,700	-	-	-	-	-	-	-		
		16,000	-	-	-	-	-	-	10,700	-	-	-	-		
		16,100	-	-	-	-	-	-	-	-	-	10,700	10,700		
		16,200	-	-	-	-	-	-	-	10,800	-	-	-		
		16,900(7)	-	-	-	-	-	-	-	-	-	-	-		
17,000(7)		-	12,200	-	-	-	-	-	-	11,900	-	-			
17,100(7)		-	-	-	12,000	12,100	11,900	11,800	11,700	-	11,900	-	11,700		
17,000(4)		-	-	-	11,800(5)	-	-	-	-	-	-	-	11,400(5)		
17,100(4)	-	12,000(5)/12,100(6)	-	11,900(6)	-	11,700(5)/11,900(6)	-	11,500(5)/11,600(6)	-	11,700(5)/11,800(6)	-	11,500(6)			

(1) Calculated with SAE J2807 method. (2) Maximum loaded trailer weight requires weight-distributing hitch. See page 28 for additional information. (3) Requires 2.7L EcoBoost® Payload Package. (4) Requires Heavy-Duty Payload Package. (5) Includes 17" tires and wheels. (6) Includes 18" tires and wheels. (7) Requires Max Trailer Tow Package.

**Notes:** • Do not exceed trailer weight of 5,000 lbs. when towing with bumper only.  
 • Trailer tongue load weight should be 10-15% of total loaded trailer weight. Make sure vehicle payload (reduce 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.

# TRAILER TOWING SELECTOR

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 5th-WHEEL TOWING <sup>(1)(2)</sup> – Maximum Loaded Trailer Weight (lbs.)

Automatic Transmission			REGULAR CAB				SUPERCAB				SUPERCREW®				
Engine	Axle Ratio	GCWR (Lbs.)	4x2		4x4		4x2		4x4		4x2		4x4		
			122" Wb	141" Wb	122" Wb	141" Wb	145" Wb	164" Wb	145" Wb	164" Wb	145" Wb	157" Wb	145" Wb	157" Wb	
3.5L 4-Valve V6	3.55	9,400	4,900	-	-	-	-	-	-	-	-	-	-	-	
		9,500	-	4,900	-	-	-	-	-	-	-	-	-	-	-
		9,800	-	-	-	-	4,900	-	-	-	-	-	-	-	-
	3.73	9,900	-	-	-	-	-	-	-	-	4,900	-	-	-	-
		12,000	7,500	-	-	-	-	-	-	-	-	-	-	-	-
		12,100	-	7,500	-	-	-	-	-	-	-	-	-	-	-
2.7L GTDI V6	3.31	12,200	-	-	7,400	7,300	7,300	-	7,100	-	7,200	-	7,000	-	
		11,600	-	-	-	-	-	-	-	-	-	-	-	-	
		12,200	7,500	-	-	-	-	-	-	-	-	-	-	-	
		12,300	-	7,500	-	-	-	-	-	-	-	-	-	-	
		12,500	-	-	-	-	7,500	-	-	-	-	-	-	-	
		12,600	-	-	-	-	-	7,500	-	-	7,400	7,500	-	-	
	3.55	11,900	-	-	-	-	-	-	-	-	-	-	-	-	
		12,500	-	-	7,500	7,500	-	-	-	-	-	-	-	-	
		12,700	-	-	-	-	-	-	7,500	-	-	-	-	-	
		12,800	-	-	-	-	-	-	-	-	-	-	7,300	-	
		3.73	12,100	-	-	-	-	-	-	-	-	-	-	-	-
			12,400	-	-	-	-	-	-	-	-	-	-	-	-
	12,700		-	-	-	-	-	-	-	-	-	-	-	-	
	13,100		8,200	8,300	-	-	7,800	7,900	-	-	7,400	7,500	-	-	
	13,300		-	8,400(3)	7,600	8,300/8,200(3)	8,200(3)	8,100(3)	7,500/8,000(3)	-	8,100(3)	8,100(3)	7,300/7,900(3)	-	
	13,000		-	-	-	-	-	-	-	-	-	-	-	-	
	5.0L 4-Valve V8	3.31	13,000	8,300	-	-	-	-	-	-	-	-	-	-	
			13,200	-	-	8,200	-	-	-	-	-	-	-	-	
13,900			-	9,000	-	-	-	-	-	-	-	-	-		
14,100			-	-	-	9,000	-	-	-	-	-	-	-		
14,200			-	-	-	-	9,100	-	-	-	9,000	9,000	-	-	
14,300			-	-	-	-	-	9,100	9,000	8,900	-	-	8,900	8,800	
3.55		13,200	-	-	8,200	-	-	-	-	-	-	-	-	-	
		13,800	9,100	-	-	-	-	-	-	-	-	-	-	-	
		14,100	-	-	-	9,000	-	-	-	-	-	-	-	-	
		14,400	-	-	-	-	-	-	9,100	-	-	-	9,000	-	
		14,500	-	-	-	-	-	-	-	9,000	-	-	-	9,000	
		14,900	-	10,000	-	-	-	-	-	-	-	-	-	-	
3.73		15,200	-	-	-	-	10,100	-	-	-	10,000	10,000	-	-	
		15,300	-	-	-	-	-	10,100	-	-	-	-	-	-	
		14,600	-	-	9,300	-	-	-	-	-	-	-	-	-	
		16,000(4)	-	11,000(5)(6)	-	-	-	-	-	-	-	-	-	-	
		16,100	-	-	-	10,900(4)(5)	-	-	-	-	-	-	-	-	
		16,200	-	-	-	11,000/10,900(4)(6)	-	10,900(4)(5)(6)	10,800	10,100/10,700(4)(5)/10,600(4)(6)	-	10,800(4)(5)(6)	10,300	10,400/10,600(4)(5)/10,500(6)	
3.5L GTDI V6	3.15	15,500	-	10,600	-	-	-	-	-	-	-	-	-		
		15,800	-	-	-	-	10,600	-	-	-	10,200	-	-		
		15,900	-	-	-	-	-	10,600	-	-	-	10,400	-		
	3.31	15,800	-	-	-	10,600	-	-	-	-	-	-	-		
		16,000	-	-	-	-	-	-	10,500	-	-	-	-		
		16,100	-	-	-	-	-	-	-	-	-	9,900	10,100		
	3.55	16,200	-	-	-	-	-	-	-	-	10,500	-	-		
		15,800	-	-	-	10,600	-	-	-	-	-	-	-		
		16,000	-	-	-	-	-	-	10,500	-	-	-	-		
	3.73	16,100	-	-	-	-	-	-	-	-	-	-	9,900	10,100	
		16,200	-	-	-	-	-	-	-	-	10,500	-	-	-	
		16,900(7)	-	-	-	-	-	-	-	-	-	-	9,900	-	
		17,000(7)	-	-	-	-	-	-	-	-	-	-	-	-	
		17,100(7)	-	-	12,100	-	-	-	-	-	10,200	-	-	-	
		17,100(7)	-	-	-	11,900	10,600	11,800	10,500	10,500	-	10,400	-	10,100	
	17,000(4)	-	-	-	11,800(5)	-	-	-	-	-	-	-	11,400(5)		
	17,100(4)	-	-	12,100(5)/12,000(6)	-	11,800(6)	-	11,800(5)(6)	-	11,600(5)/11,500(6)	-	11,700(5)(6)	-	11,400(6)	

(1) Calculated with SAE J2807 method. (2) Vehicles equipped with 5.5' box will accept a 5th-wheel hitch, but current 5th-wheel trailer designs are not compatible with this model (145" wb. SuperCrew). (3) Requires 2.7L EcoBoost® Payload Package. (4) Requires Heavy-Duty Payload Package. (5) Includes 17" tires and wheels. (6) Includes 18" tires and wheels. (7) Requires Max Trailer Tow Package.

**Notes:** Trailer king pin load weight should be 15-25% of total loaded trailer weight. Make sure vehicle payload (reduce by option weight) will accommodate trailer king pin 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.

### Tailgate Clearance Considerations

Model	<b>F-150</b>
Max. Tailgate Height*	56-60 inches

**Note:** Vehicles with other configurations may have varying tailgate heights.  
\*Distance from ground to top of closed tailgate.



# TRAILER TOWING SELECTOR



If your vehicle will be registered in California, Connecticut, Delaware, Maine, Maryland, Massachusetts, New York, Oregon, Rhode Island, or Vermont, 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>

Automatic Transmission		Maximum Loaded Trailer Weight (lbs.)														
		REGULAR CAB				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/F-350 SRW 4x4	F-350 DRW 4x4	F-350 DRW 4x2	F-350 DRW 4x4	F-250/F-350 SRW 4x2	F-250/F-350 SRW 4x4	F-350 SRW 4x4	F-350 DRW 4x2	F-350 DRW 4x4	F-450 DRW 4x4
6.2L SOHC V8 FFV	3.73	19,200	12,500	12,500	-	-	12,500	12,400	12,300	-	-	12,500	12,200	12,100	-	-
		19,800	-	-	13,200	12,700	-	-	-	12,800	12,400	-	-	-	12,500	12,100
	4.30	22,200	12,500	12,500	-	-	12,500	12,500	12,500	-	-	12,500	12,500	12,500	-	-
		22,800	-	-	16,100	15,700	-	-	-	15,700	15,300	-	-	-	15,500	15,100
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	32,100	-	-	19,000	19,000	-	-	-	19,000	19,000	-	-	-	19,000	19,000
		32,100(2)	-	-	19,000	19,000	-	-	-	19,000	19,000	-	-	-	19,000	19,000
	4.30	35,000(3)	-	-	-	-	-	-	-	-	-	-	-	-	-	19,000
		40,400	-	-	-	-	-	-	-	-	-	-	-	-	-	19,000(6)

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

6.2L SOHC V8 FFV	3.73	19,200	12,900	12,500	-	-	12,700/12,600	12,300	12,200	-	-	12,400	12,100	12,000	-	-	-
		19,800	-	-	13,100	12,600	-	-	-	12,700	12,200	-	-	-	12,400	12,000	-
	4.30	22,200	15,900	15,500	-	-	15,700/15,600	15,300	15,200	-	-	15,400	15,100	15,000	-	-	-
		22,800	-	-	16,700	15,600	-	-	-	15,700	15,200	-	-	-	15,400	15,000	-
6.7L V8 Turbo Diesel	3.31	23,500	16,600/16,500	16,200/16,100	-	-	16,300/16,200	15,900	15,900	-	-	16,100/16,000	15,100	15,700	-	-	-
	3.55	23,500	16,600/16,500	16,200/16,100	-	-	16,300/16,200	15,900	15,900	-	-	16,100/16,000	15,100	15,700	-	-	-
	3.73	32,100	-	-	24,700	24,300	-	-	-	24,200	23,800	-	-	-	24,000	23,500	-
		32,100(2)	-	-	25,300	24,900	-	-	-	24,800	24,400	-	-	-	24,600	24,200	-
	4.30	35,000(3)	-	-	-	-	-	-	-	-	-	-	-	-	-	26,500(4)	-
		40,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,500(4)(6)
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	31,200(5)(6)

(1) Maximum loaded trailer weight requires weight-distributing hitch. See page 28 for additional information. (2) Pickup Box Delete Option. (3) Available with High-Capacity Trailer Tow Package only. (4) 5th-wheel towing capacity limited by availability of 26.5K hitch. (5) Gooseneck towing capacity. (6) F-450 calculated with SAE J2807 method.

**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-250	F-350 SRW	F-350 DRW	F-450 DRW
Max. Tailgate Height*	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.

# TRAILER TOWING SELECTOR



If your vehicle will be registered in California, Connecticut, Delaware, Georgia, Maine, Maryland, Massachusetts, New Jersey, New York, North Carolina, Oregon, Pennsylvania, Rhode Island, or Vermont, 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 875-lb.-1,000-lb. second-unit body weight. Be sure combined weight of vehicle and trailer does not exceed listed GCWR.

Automatic Transmission		Maximum Loaded Trailer Weight (lbs.)																									
		REGULAR CHASSIS CAB								SUPER CHASSIS CAB								CREW CHASSIS CAB									
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	3.73	19,000	12,400	12,100	-	-	-	-	-	-	12,100	11,700	-	-	-	-	-	-	11,900	11,400	-	-	-	-	-	-	-
FFV	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

6.2L SOHC V8	3.73	19,000	12,400	12,100	-	-	-	-	-	-	12,100	11,700	-	-	-	-	-	-	11,900	11,400	-	-	-	-	-	-	-
FFV	4.30	22,000	15,400	15,100	-	-	-	-	-	-	15,100	14,700	-	-	-	-	-	-	14,900	14,300	-	-	-	-	-	-	-
		22,500	-	-	15,400	15,000	-	-	-	-	-	-	15,000	14,600	-	-	-	-	-	-	14,800	14,400	-	-	-	-	-
6.8L SOHC V10	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	-	-
6.7L V8 Turbo Diesel	3.73	23,500	16,200	15,600	-	-	-	-	-	-	15,700	15,200	-	-	-	-	-	-	15,300	14,900	-	-	-	-	-	-	-
		24,500	-	-	16,600	16,200	-	-	-	-	-	-	16,300	15,800	-	-	-	-	-	-	16,000	15,600	-	-	-	-	-
	4.10	24,500	-	-	16,600	16,200	-	-	-	-	-	-	16,300	15,800	-	-	-	-	-	-	16,000	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	
	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 28 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.

**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

## 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.



## 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



## TRANSIT VAN/WAGON <sup>(1)</sup> – Maximum Loaded Trailer Weight (lbs.) <sup>(2)</sup>

Automatic Transmission			VAN										WAGON					
Engine	Axle Ratio	GCWR (Lbs.)	T-150/250	T-150/250	T-150/250	T-250	T-250	T-350	T-350	T-350	T-250	T-350	T-150	T-150	T-350	T-350		
			MWB Low Roof	MWB Medium Roof	LWB Low Roof	LWB Medium Roof	LWB High Roof	LWB Low Roof	LWB Medium Roof	LWB High Roof	LWB Extended High Roof	LWB Extended High Roof	MWB Low Roof	MWB Medium Roof	LWB Low Roof	LWB Medium Roof	LWB High Roof	LWB Extended High Roof
3.7L DOHC V6	3.73	10,800	5,300	5,200	5,200	5,100	5,000	5,200	5,100	5,000	4,800	4,800	4,700	4,600	4,200	4,100	4,000	-
	4.10	11,200	-	-	-	-	-	-	-	-	-	-	5,100	5,000	4,600	4,500	4,400	-
		12,125	6,600	6,600	6,500	6,400	6,300	6,500	6,400	6,300	6,100	6,100	-	-	-	-	-	-
3.5L V6 EcoBoost®	3.31	11,200	5,600	5,600	5,500	5,400	5,300	5,500	5,400	5,300	5,100	5,100	5,000	5,000	4,600	4,500	4,400	3,800
	3.73	11,200	-	-	-	-	-	-	-	-	-	-	5,000	5,000	4,600	4,500	4,400	3,800
		12,600	7,000	7,000	6,900	6,800	6,700	6,900	6,800	6,700	6,500	6,500	-	-	-	-	-	-
		13,000	-	-	-	-	-	-	-	-	-	6,700	-	-	-	-	-	-
3.2L I5	3.31	10,600	4,700	4,600	4,600	4,600	4,400	-	-	-	4,200	4,000	-	-	3,700	3,600	3,500	2,900
Power Stroke	3.73	11,200	-	-	-	-	-	-	-	-	-	-	-	-	4,300	4,200	4,100	3,500
Diesel		13,500	7,500	7,500	7,500	7,500	7,300	-	-	-	7,100	6,900	-	-	-	-	-	-

(1) Calculated with SAE J2807 method.

(2) Properly equipped.

## TRANSIT CUTAWAY/CHASSIS CAB – Maximum Loaded Trailer Weight (lbs.)

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

Automatic Transmission			CUTAWAY					CHASSIS CAB				
Engine	Axle Ratio	GCWR (Lbs.)	T-250	T-250	T-350	T-350	T-350	T-250	T-250	T-350	T-350	T-350
			MWB	LWB	MWB	LWB	Extended LWB	MWB	LWB	MWB	LWB	Extended LWB
3.7L V6	4.10	12,125	6,700	6,500	6,500	6,500	6,700	6,600	6,400	6,500	6,400	6,000
3.2L I5	3.73	13,500	7,500	7,500	7,500	7,500	7,100	7,500	7,500	7,500	7,500	7,100

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

# TRAILER TOWING SELECTOR



Expedition



Navigator



Explorer



Escape



MKC

## EXPEDITION/NAVIGATOR<sup>(1)</sup> – Maximum Loaded Trailer Weight (lbs.)

Automatic Transmission		GCWR (Lbs.)	EXPEDITION		EXPEDITION EL		NAVIGATOR		NAVIGATOR L	
Engine	Axle Ratio		4x2	4x4	4x2	4x4	4x2	4x4	4x2	4x4
3.5L V6 EcoBoost®	3.15	12,300	6,600	-	-	-	-	-	-	-
		14,900(2)	9,200	-	-	-	-	-	-	-
3.31	12,300	6,600	-	-	-	-	-	-	-	-
		14,900(2)	9,200	-	-	-	-	-	-	-
		12,500	-	6,600	6,600	-	-	-	-	-
		15,200(2)	-	9,200	-	-	-	-	-	-
		15,100(2)	-	-	9,200	-	-	-	-	-
3.73	12,300	-	-	-	-	6,200	-	-	-	-
		12,500	-	6,600	6,600	-	-	6,200	-	-
		12,800	-	-	-	6,600	-	-	-	-
		15,200	-	9,200	-	-	-	-	-	-
		15,100(2)	-	-	9,200	-	9,000	8,600	-	-
4.10	12,300	-	-	-	-	6,200	-	-	-	-
		12,500	-	-	-	-	6,200	-	-	-
		12,600	-	-	-	-	-	-	6,200	-
		12,800	-	-	-	-	-	-	-	6,200
		14,900(2)	-	-	-	-	-	-	8,500	8,300
		15,100(2)	-	-	-	-	9,000	8,600	-	-

(1) Maximum loaded trailer weight requires weight-distributing hitch. See page 28 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.

## EXPLORER – Maximum Loaded Trailer Weight (lbs.)

Automatic Transmission			EXPLORER	
Engine	Final Drive Ratio	GCWR (Lbs.)	FWD	4WD
2.0L I4 EcoBoost®	3.36	6,880	-	2,000
	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 EcoBoost®	3.16	-	7,400	2,000
	3.16	-	10,400	5,000(1)

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

## ESCAPE/MKC<sup>(1)</sup> – Maximum Loaded Trailer Weight (lbs.)

Automatic Transmission			ESCAPE	MKC
Engine	Final Drive Ratio	GCWR (Lbs.)	FWD	4WD
2.5L I4	3.51	5,417	-	1,500(2)
1.6L I4 EcoBoost®	3.21	5,866	-	2,000(2)
	3.51	-	6,035	2,000(2)
2.0L I4 EcoBoost®	3.07	7,477	7,626	3,500(3)
	3.36	7,220	-	-
	3.51	-	7,400	-
2.3L I4 EcoBoost®	3.51	-	6,420	-

(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 electrical system does not include the wiring connector needed to activate electric trailer brakes.



# TRAILER TOWING SELECTOR



Edge



Lincoln MKX

## CROSSOVERS – Maximum Loaded Trailer Weight (lbs.)

Automatic Transmission Engine	Axle Configuration	EDGE	LINCOLN MKX	FLEX	MKT	TRANSIT CONNECT VAN/WAGON
1.6L I4 EcoBoost®	FWD	-	-	-	-	2,000(1)
2.0L I4 EcoBoost®	FWD/AWD	3,500(2)	-	-	-	-
2.5L I4	FWD	-	-	-	-	2,000(1)
2.7L V6 EcoBoost®	FWD/AWD	2,000(4)	-	-	-	-
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	-	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 20" wheels only. (5) FWD only.

**Note:** Flex, MKT and Transit Connect calculated with SAE J2807 method.



Flex



Lincoln MKT



Transit Connect

**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.



# TRAILER TOWING SELECTOR



Mustang



Taurus

## CARS – Maximum Loaded Trailer Weight (lbs.)

Automatic Transmission		MUSTANG <sup>(1)</sup>	TAURUS <sup>(1)(2)</sup>	MKS <sup>(1)</sup>	FUSION <sup>(1)(4)</sup>	MKZ <sup>(1)(4)</sup>
Engine	Axle Configuration					
1.5L I4 EcoBoost®	FWD	-	-	-	1,000	-
2.0L I4 EcoBoost®	FWD/AWD	-	1,000(3)	-	2,000	1,000
2.3L I4 EcoBoost®	RWD	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
5.0L V8	RWD	1,000	-	-	-	-
Manual Transmission						
2.3L I4 EcoBoost®	RWD	1,000	-	-	-	-
3.7L V6	RWD	1,000	-	-	-	-
5.0L V8	RWD	1,000	-	-	-	-

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

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



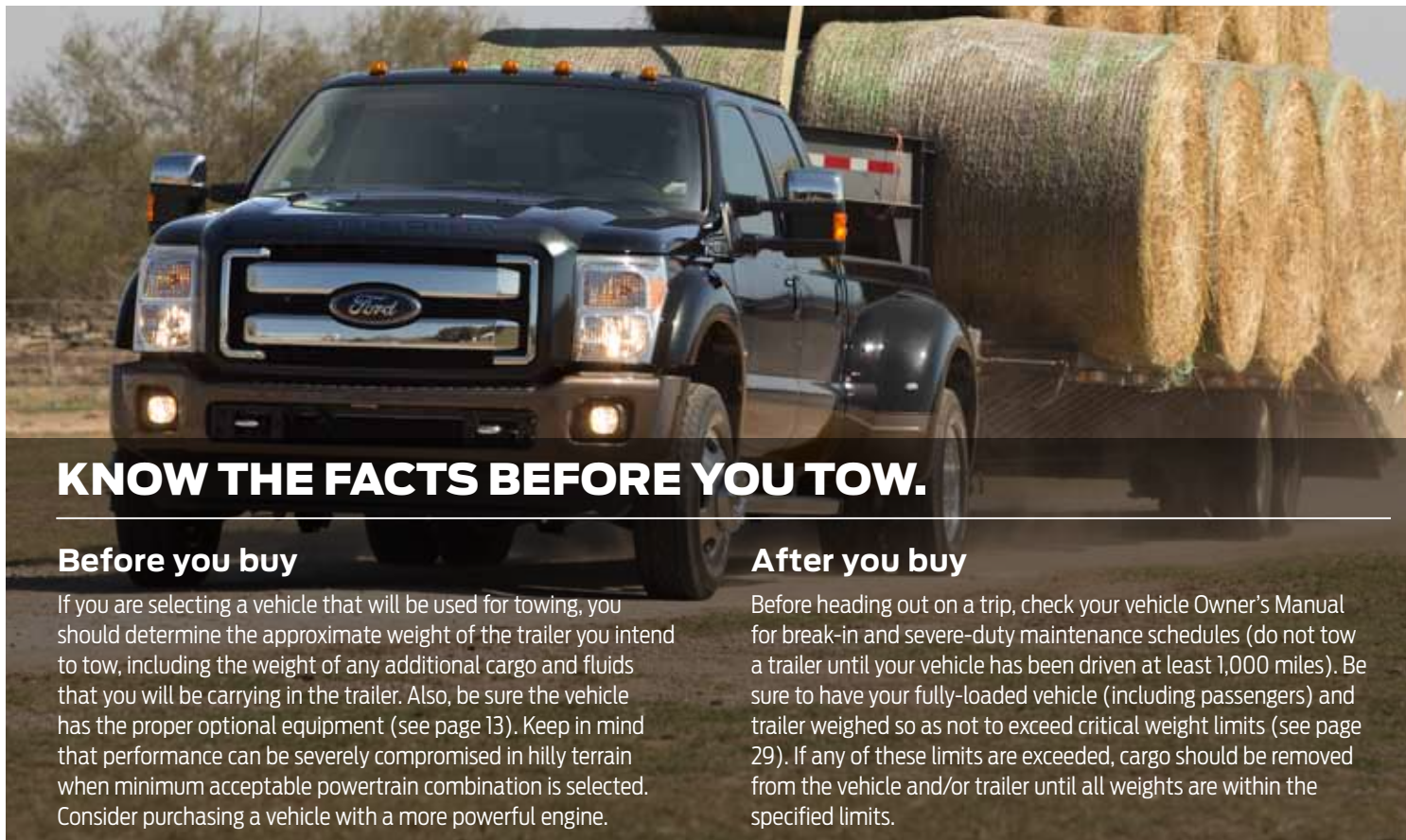
MKS



Fusion



MKZ



## KNOW THE FACTS 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 29). 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 Tips* 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
- 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.

## TRAILER CLASSES.

### 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.

## TRAILER TYPES.

### 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





## 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 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.

**M** 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/MKC:** Included with Class II Trailer Tow Package – Option Code 536

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

**Expedition/Navigator:** Standard

**Transit Van/Wagon:** Included with Trailer Tow Package – Option Code 53B

**F-150 Pickup:** Included with Trailer Tow Packages – Option Code 53A, 53B and 53C

### 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 16,100-lb. Maximum Trailer Capacity (except F-350 DRW with 6.7L diesel engine/172" wheelbase)

– F-350 DRW with 6.7L diesel engine – 19,000-lb. Maximum Trailer Capacity (172" wheelbase only)

– F-450 – Standard for 19,000-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.

## 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 16–24 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.)
Transit Connect	2,000	200	–	–
Edge/Lincoln MKX	3,500	350	–	–
Escape	3,500	350	–	–
MKC	3,000	300	–	–
Flex/MKT	2,000	200	4,500	450
Explorer	2,000	200	5,000	500
Transit Van/Wagon	7,500	750	–	–
Expedition	6,600	660	9,200	920
Navigator	6,200	620	9,000	900
Expedition EL	6,600	660	9,200	920
Navigator L	6,200	620	8,500	850
F-150	5,000	500	12,200	1,220
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	16,100 <sup>(3)</sup>	1,610 <sup>(3)</sup>
F-350 Super Duty DRW w/6.7L engine and F-450 Super Duty	8,500	850	19,000 <sup>(3)(5)</sup>	1,900 <sup>(3)(5)</sup>

(1) 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.

# WEIGHTY INFO.

## 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 16–24 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.





# KNOW YOUR LIMITS.

## 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 16–24) 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 28 for tongue load recommendations with Ford factory-installed trailer hitch receivers.

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

# How to Find Your Truck's Axle Ratio

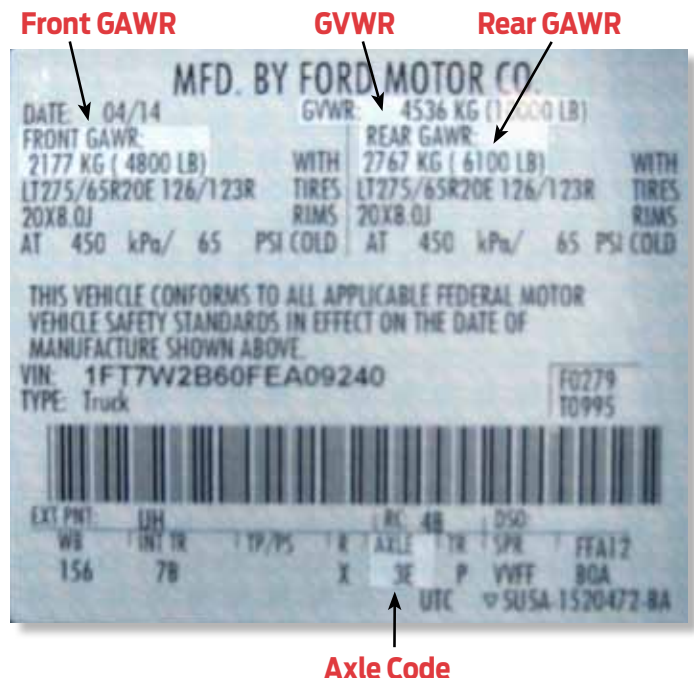
If you do not know the axle ratio of your vehicle, check its Truck Safety Compliance Certification Label (located on the left front door lock facing or the door latch post pillar). Below the bar code, you will see the word AXLE and a two-digit code. Use this chart to find the axle ratio that corresponds 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>	4E
	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	Not Available	L9
	3.73	26	Not Available	L6
Expedition	3.15	10	Not Available	Not Available
	3.31	15	Not Available	Not Available
	3.73	16	3L	Not Available
Navigator	3.73	16	Not Available	Not Available
	4.10	41	Not Available	Not Available
Transit	3.31	31	3L	Not Available
	3.73	73	7L	Not Available
	4.10	41	4L	Not Available
E-Series Cutaway	4.10	52/56	E2/E6	Not Available
	4.56	83	F3	Not Available
Motorhome	4.30	43	Not Available	Not Available
	4.88	48	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)



# 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).



FORD ACCESSORIES



## 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 vehicles 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. May be required.

*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 Gooseneck Hitch Ball has a Gross Trailer Weight Rating of 26,700 lbs. on a 2-5/16" ball and 31,200 lbs. with a 3" ball, 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 Kits

The 5th-Wheel Hitch Kits have a Gross Trailer Weight Rating of 18,000 and 26,500 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 TIPS.

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 25)

- 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®, Transit 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

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Many of the recreational vehicles shown in this brochure are modified or manufactured by companies other than Ford Motor Company. Ford assumes no responsibility for such modifications or manufacturing.

## 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).**

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