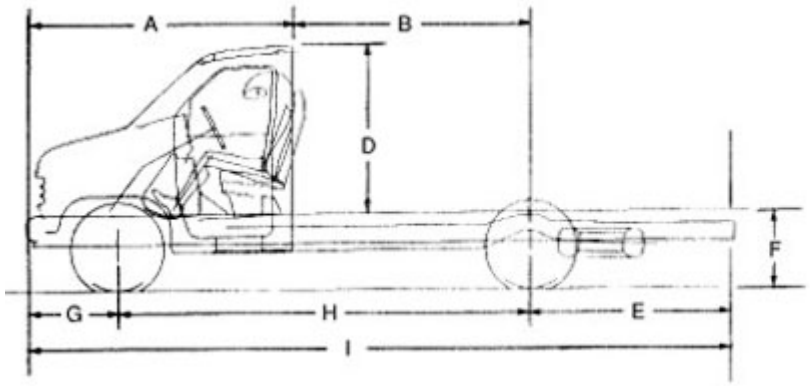
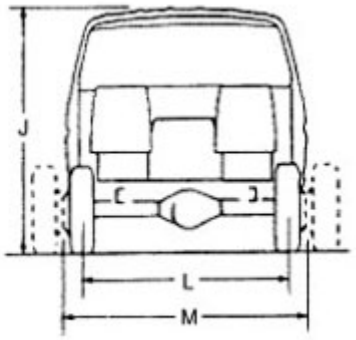
Specs

2019 E-Series Cutaway/Stripped Chassis

.

Body Dimensions — E-350/E-450 Cutaway





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

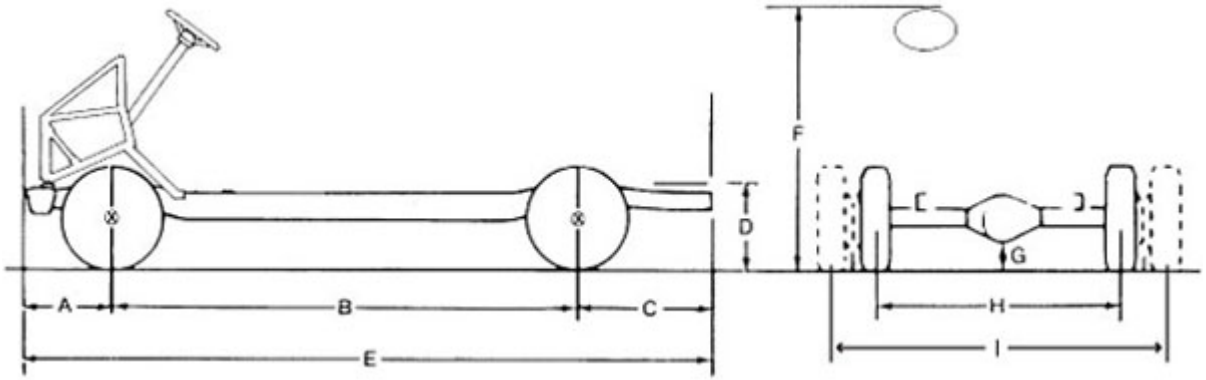
NOTE: Front jacking point — located under the front radius arm rearward of the sloped section (use flat space provided).

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

Interior Dimensions — E-350/E-450 Cutaway

Series	E-350			E-450	
Model	Cutaway			Cutaway	
	SRW/DRW	SRW/DRW	DRW	DRW	DRW
Description					
Head Room (in.)	42.0	42.0	42.0	42.0	42.0
Max. Leg Room (in.)	42.1	42.1	42.1	42.1	42.1
Hip Room (in.)	65.6	65.6	65.6	65.6	65.6
Shoulder Room (in.)	68.1	68.1	68.1	68.1	68.1

Body Dimensions — E-350/E-450 Stripped Chassis



Model		Stripped Chassis		
Series		E-350	E-350/E-450	E-350/E-450
		DRW	DRW	DRW
Code	Description			
A	Frame to Front Axle	26.2	26.2	26.2
B	Wheelbase	138.0	158.0	176.0
C	Rear Overhang	68.5	68.5	50.5
D	Load Height (Loaded)	26.2	26.2/26.0	26.2/26.0
E	Overall Length	232.7	252.7	252.7
F	Height at Top of Steering Wheel (Loaded)	71.9	71.9/71.7	71.8/71.7
G	Rear Axle Clearance, Loaded	7.0	7.0	7.0
H	Front Track	69.4	69.4	69.4
I	Rear Track (SRW)	—	—	—

I	Rear Track (DRW)	75.4	75.4/77.7	75.4/77.7

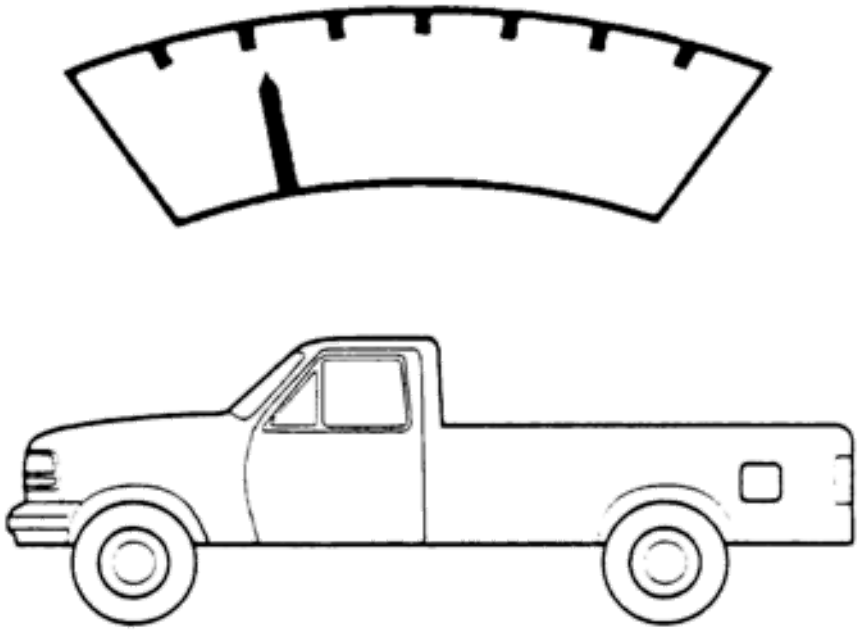
NOTE: Front jacking point — located under the front radius arm rearward of the sloped section (use flat space provided).

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

Base Curb Weight

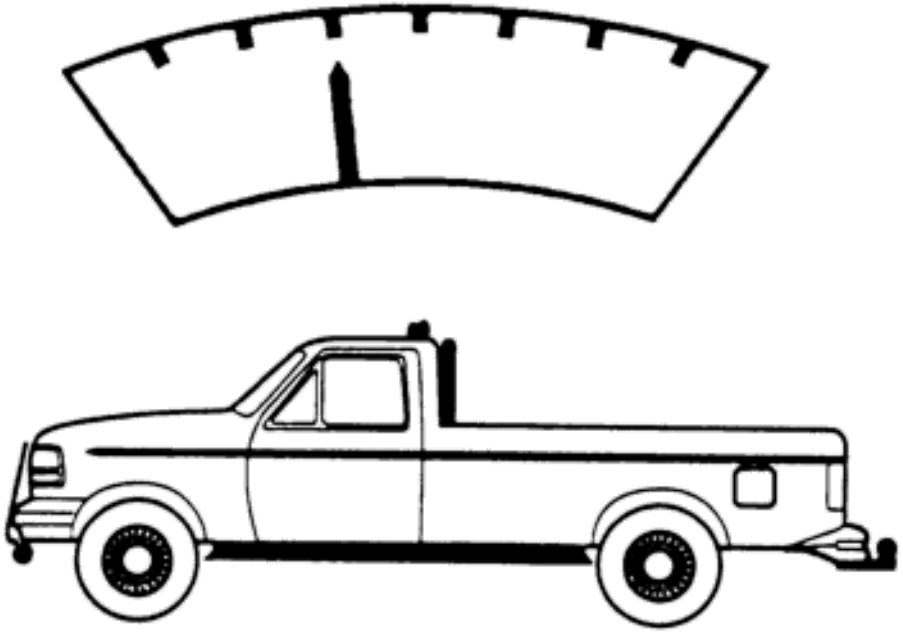
2019 E-Series Cutaway/Stripped Chassis

- The weight of the vehicle including standard equipment, oil, lubricants and a full tank of fuel. It does not include the weight of driver, passengers, cargo or any optional or aftermarket equipment
- **Base curb weights for each engine/standard equipment transmission combination are listed in the Weight Ratings pages of each vehicle section (see Maximum Payload Weight Ratings for reference)**
- Actual Regular Production Option Content Weights can be found in the charts under Actual Regular Production Option Content Weights



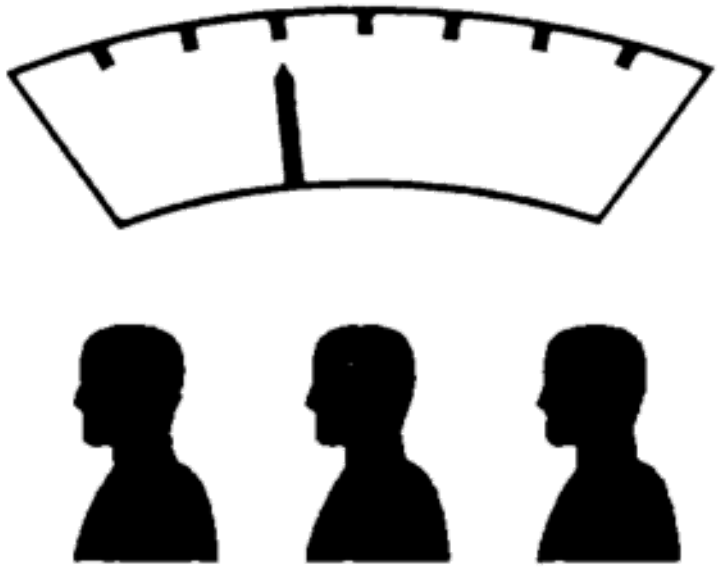
Option Weights

The weight of any added equipment that is not included in the base curb weight.



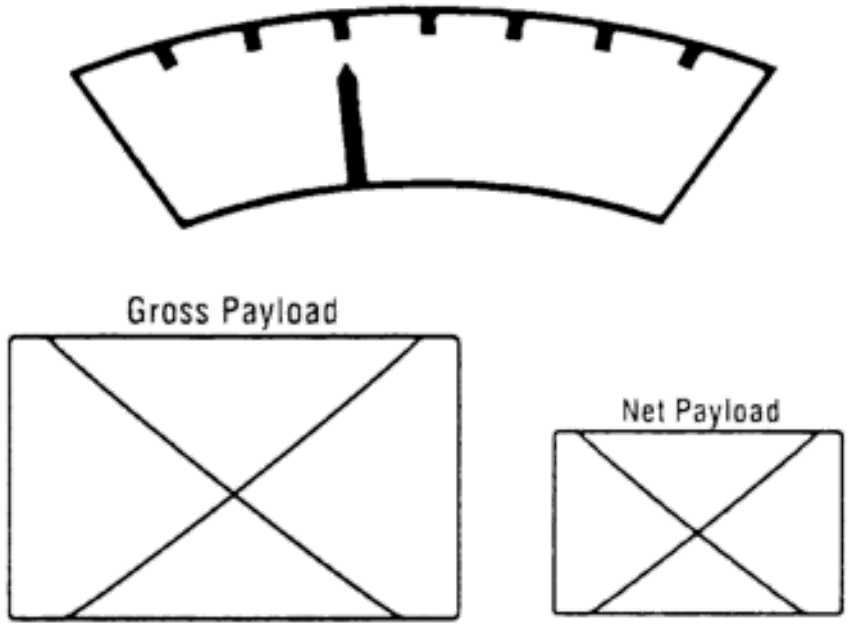
Passenger Weight

Defined as 150 lbs. multiplied by the number of safety-belted seating positions, including the driver, that the vehicle can carry.



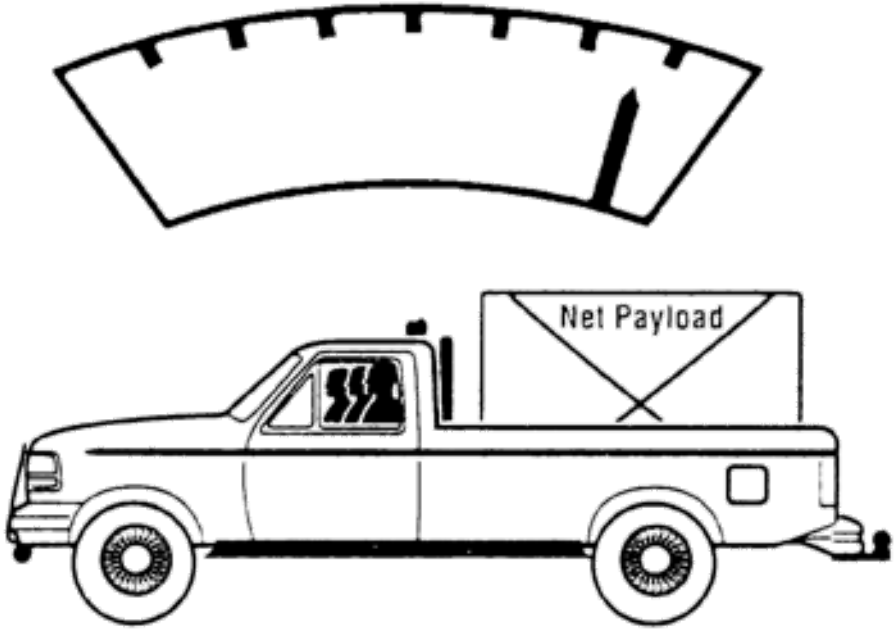
Payload

- Maximum payload is defined as the weight of all passengers, optional and aftermarket equipment, and cargo
- Net payload is defined as the weight that can be placed in the truck after subtracting for driver, passengers, and optional and aftermarket equipment



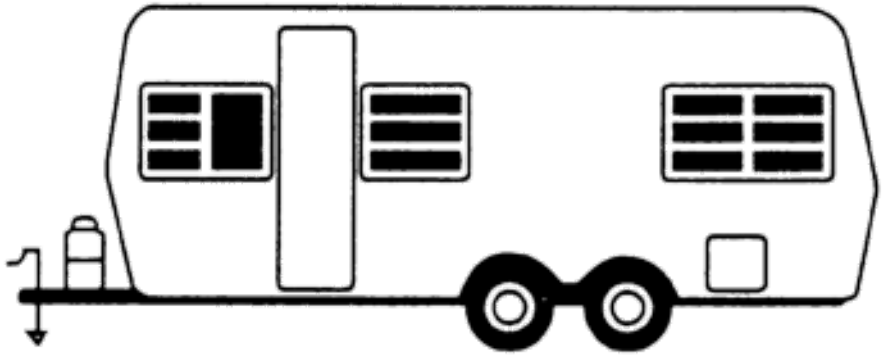
Gross Vehicle Weight (GVW)

The weight of the vehicle including driver, passengers, optional and aftermarket equipment, and all cargo.



Trailer Weight

The weight of a fully loaded trailer, including all attachments, lights, etc.

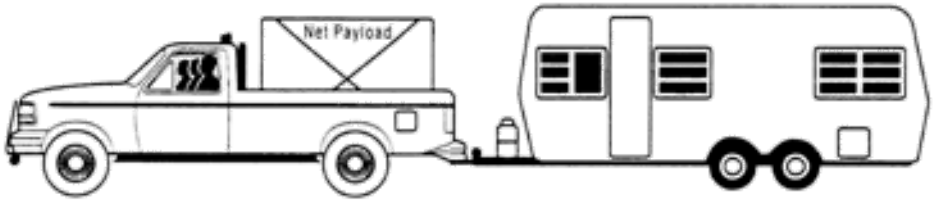


Gross Combination Weight (GCW)

2019 E-Series Cutaway/Stripped Chassis

Specs > Dimensions/Weights/Capacities > General Truck Payload Information

Gross vehicle weight plus the trailer weight.



Gross Axle Weight

2019 E-Series Cutaway/Stripped Chassis

Specs > Dimensions/Weights/Capacities > General Truck Payload Information

The total weight placed on each axle of the vehicle (front and rear).

Tongue Weight

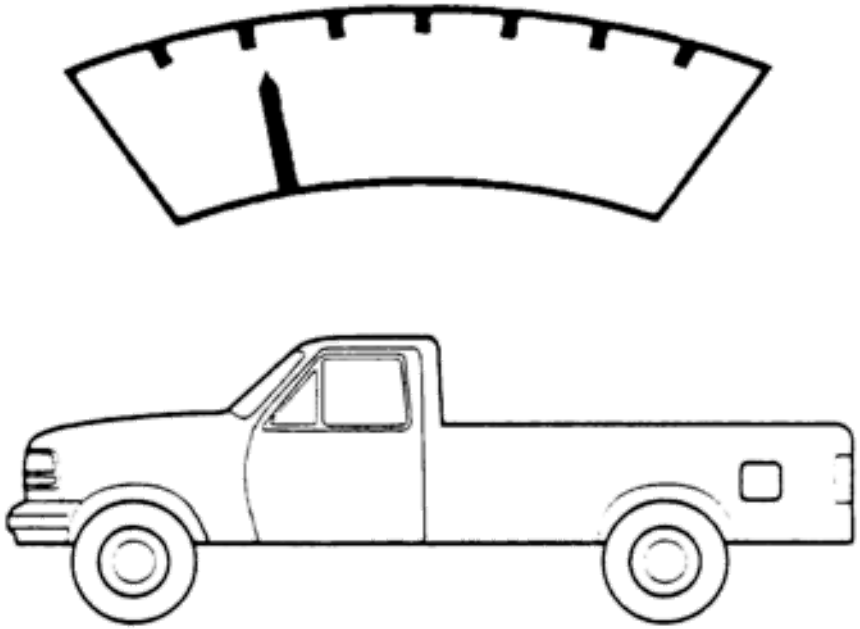
2019 E-Series Cutaway/Stripped Chassis

Specs > Dimensions/Weights/Capacities > General Truck Payload Information

The amount of the trailer's weight that bears down on the trailer hitch (10 to 15 percent of the total loaded conventional trailer weight or 15 to 25 percent of the total loaded 5th-wheel trailer weight).

Weight Distribution

That portion of a vehicle's total weight that will be supported by each axle and each tire. Proper distribution of vehicle weight is critical to braking, handling and to the service life of components such as axles, springs, bearings and tires.



Maximum Payload Weight Rating

This is the advertised payload rating. It is the maximum allowable payload for the truck, including driver, passengers, optional and aftermarket equipment, and cargo. The weight of the engine and its standard transmission is already factored into the Maximum Payload Weight Rating. If the engine is also available with an optional transmission, that engine/transmission weight can be found in the Actual Regular Production Option Content Weight charts.

Vehicle Payload Calculation	Front/Total (lbs.)
Maximum Payload Weight Rating(1)	____/____
Less Total Actual Regular Production Option Content Weight (from Line A, Payload/GVWR Worksheet)	____/____
Equals Net Total Vehicle Payload (Front and rear axles and spring capacities will be sufficient to carry this payload uniformly distributed in vehicle cargo area)	____/____

(1) Weight for driver and passengers must be deducted. Refer to the individual vehicle weight rating pages for maximum payload weight ratings. Refer to Regular Production Option Content Weight.

NOTE: Front springs are computer-selected to meet specific option requirements for each vehicle; HD front springs are standard if vehicle option weights require.

Gross Vehicle Weight Rating (GVWR)

2019 E-Series Cutaway/Stripped Chassis

The maximum allowable weight of the fully loaded vehicle (including passengers and cargo).

Gross Axle Weight Rating (GAWR)

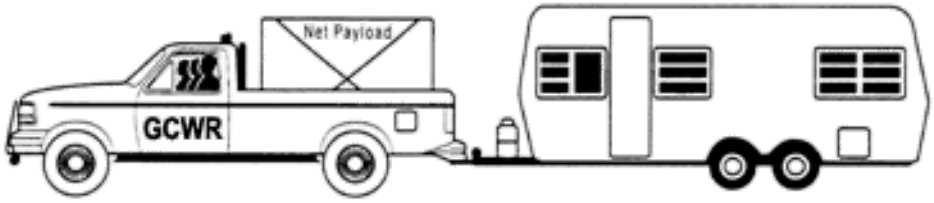
2019 E-Series Cutaway/Stripped Chassis

The maximum allowable weight to be placed on an individual axle (front or rear). Gross Axle Weight Ratings are provided for both front and rear axles.

Gross Combination Weight Rating (GCWR)

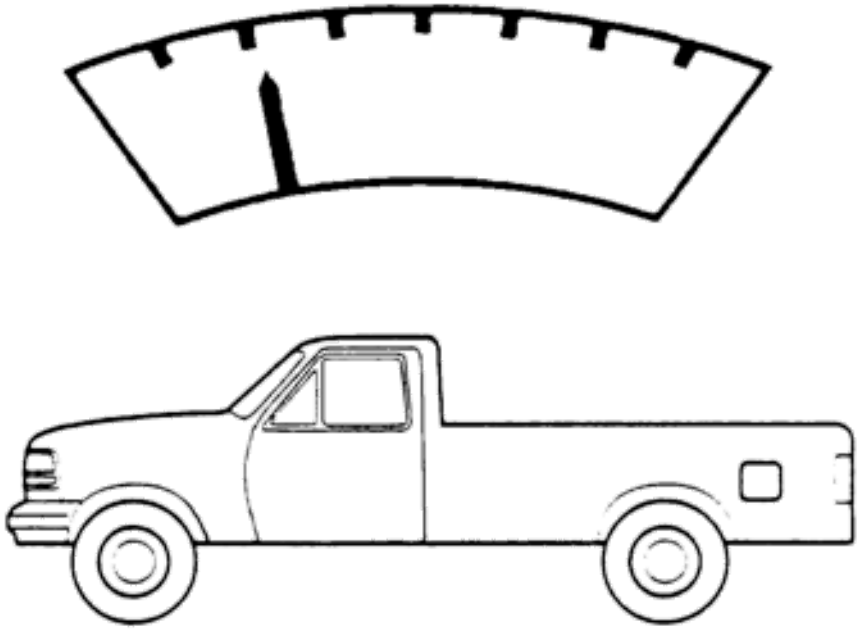
The maximum allowable weight of the towing vehicle, the trailer and all associated passengers, cargo and equipment.

The point to remember is that the actual weights should never exceed the listed weight ratings. And remind your customers that if they do exceed the recommended weight ratings, they could disqualify their warranty coverage.



Maximum Payload Weight Ratings

The Payload Weight Ratings and the Accessory Reserve Capacity(1) (ARC) or maximum allowable weight for regular production option charts are published and can be found in the weight ratings pages of the individual vehicle sections. This information is grouped together with other model, engine/transmission and maximum gross vehicle weight rating (GVWR) data for ease of use.



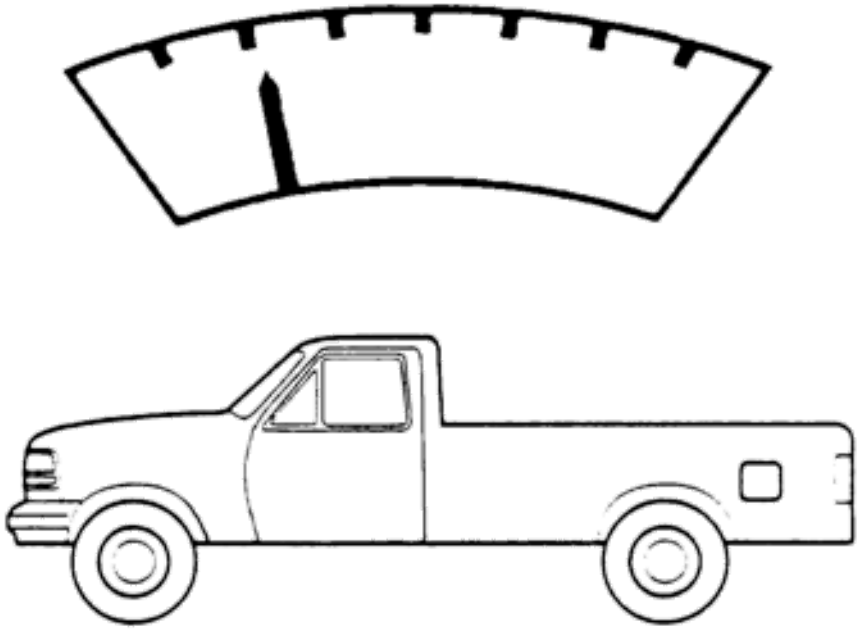
(1) Accessory Reserve Capacity (ARC) weight is the maximum allowable weight for regular production options and aftermarket equipment for models with standard equipment and the indicated engine/transmission combination.

Accessory Reserve Capacity (ARC) Calculation

This section provides the information needed to calculate the effect that vehicle options have on the payload capacity of Ford light trucks.

This information is useful to customers who plan to add aftermarket accessories or haul cargo at or near the vehicle's maximum capacity.

This section includes charts for each series, listing the maximum allowable weights for each GVWR.



Accessory Reserve Capacity

You can help prospective buyers estimate the total weight of accessories, equipment and modifications that may be added to the completed vehicle.

Ford vehicles are certified for compliance with the following FMVSS (Federal Motor Vehicle Safety Standards) or CMVSS (Canadian Motor Vehicle Safety Standards):(1)

- 204 — Steering Column Rearward Displacement
- 208 — Occupant Crash Protection
- 212 — Windshield Mounting
- 219 — Windshield Zone Intrusion
- 301 — Fuel System Integrity
- 303 — CNG Fuel System Integrity (Canadian Standard 301.2)

The total added accessory weight must not exceed the allowable weight shown in the tables. You should make retail customers who intend to modify or install accessories or equipment aware of this fact.

If the modification or installation of accessories or equipment causes the unloaded weight of the vehicle, as revised with the added equipment, to exceed the test vehicle weight, the U.S. vehicle alterer(2) may be responsible to certify the altered vehicle according to Title 49, Code of Federal Regulations 567.7 and 568.8. A Canadian vehicle alterer may be responsible to certify the altered vehicle according to Section 6 of the Canadian Motor Vehicle Safety Regulations.

In this section, each vehicle has a worksheet that addresses Total Accessory Reserve Capacity only. It does not consider Front Axle Accessory Reserve Capacity and does not include DSO option weights in the calculations.

(1) Ford Motor Company's certification of compliance with FMVSS/CMVSS is based on specific vehicle test weights. These standards are applicable to completed vehicles of 10,000-lb. GVWR or less. Maximum allowable weights shown in the tables for vehicles above 10,000-lb. GVWRs are maximum recommended values for optimum performance, durability and customer satisfaction.

(2) The same procedure to estimate the "Total Accessory Reserve Capacity" is recommended to completed vehicle alterers in Canada.

To approximate the amount of accessory equipment or modification weight that can be added to a Ford light truck without exceeding the test vehicle weight, calculate an estimated Total Accessory Reserve Capacity as follows:

1. Determine the "Total Actual Regular Production Option Content Weight" of the desired regular production options from the corresponding Accessory Reserve Capacity Calculation/Worksheet on the following page.
2. Subtract the "Total Actual Regular Production Option Content Weight" from the "Maximum Allowable Weight (Regular Production Options & Aftermarket Equipment)" for the appropriate model. The difference is the estimated "Total Accessory Reserve Capacity."

	Maximum Allowable Weight (Regular Production Options & Aftermarket Equipment)
–	**Total Actual Regular Production Option Content Weight**
=	**Total Accessory Reserve Capacity**

(See Accessory Reserve Capacity (ARC) Calculation/Worksheet for example.)

Warning: The Accessory Reserve Capacity weight information addresses FMVSS and CMVSS Nos. 204, 208, 212, 219, 301 and 303 compliance only. For all light-duty trucks with a GVW rating under 8500 lbs., federally certified trucks with a GVW rating of 8500 to 10,000 lbs. that are optionally emission certified to light-duty standards and all California complete vehicles with a GVW rating of 14,000 lbs. or less, if more than 500 lbs. is added to the vehicle's "maximum vehicle weight,"[(1)] the modifier may be responsible for recertification to the applicable EPA or CARB emissions standards.

(1) Important: "Maximum vehicle weight" is calculated in accordance with the definition provided in an EPA guidance letter dated July 13, 1979, from C.N. Freed of the EPA to M.H. McBride, legal counsel of the Recreation Vehicle Industry Association. The preceding conditions are based on that letter and on EPA Advisory Circular No. 64 — a March 7, 1977, publication that provides guidance on the need for separate certification of vehicles modified after original manufacture, but prior to sale and delivery to the ultimate purchaser. Additional guidance or questions concerning EPA's policies with respect to alterers of completed vehicles should be directed to legal counsel or the Environmental Protection Agency.

GVWR/Payload/Spring & GAWR/Base Curb Weight

2019 E-Series Cutaway/Stripped Chassis

Model	WB (in.)	Engine/ Trans.	Maximum GVWR (lbs.)	Maximum Payload (lbs.)	Spring/GAWR (lbs.)[1]		Base Curb Weight (lbs.)		
					Front Range Min.-Max.	Rear	Front	Rear	Total
E-350 Cutaway	138 SRW	6.8L/6R140	10,050	5100	4200	6084	2958	1992	4950
		6.2L/6R140	10,050	5150	4050	6084	2911	1981	4892
	138 DRW	6.8L/6R140	11,500	6270	4050-4600	7800	3001	2224	5225
		6.2L/6R140	11,500	6330	4050-4600	7800	2951	2218	5169
		6.2L/6R140[2]	11,500	6270	4200-4600	7800	3001	2224	5225
	158 SRW	6.8L/6R140	10,050	5030	4200	6084	3039	1973	5012
		6.2L/6R140	10,050	5090	4200	6084	2998	1956	4954
E-350 Cutaway	158 DRW	6.8L/6R140	11,500	6210	4200-4600	7800	3082	2205	5287
		6.2L/6R140	11,500	6260	4050-4600	7800	3038	2193	5231
		6.8L/6R140	12,500	7210	4200-5000	8500	3082	2205	5287
		6.8L/6R140[2]	12,500	7210	4600-5000	8500	3082	2205	5287
		6.2L/6R140	12,500	7260	4050-5000	8500	3038	2193	5231
		6.2L/6R140[2]	12,500	7260	4600-5000	8500	3038	2193	5231
	176 DRW	6.8L/6R140	12,500	7200	4200-5000	8500	3148	2149	5297
		6.8L/6R140[2]	12,500	7200	4600-5000	8500	3148	2149	5297
		6.2L/6R140	12,500	7250	4200-5000	8500	3103	2138	5241
		6.2L/6R140[2]	12,500	7250	4600-5000	8500	3103	2138	5241
E-350 Stripped Chassis	138	6.8L/6R140	11,500	6870	4400-4600	7800	2421	2204	4625

	DRW	6.2L/6R140	11,500	6970	4200-4600	7800	2343	2178	4521
	158 DRW	6.8L/6R140	12,500	7820	4600-5000	8500	2480	2198	4678
		6.2L/6R140	12,500	7910	4600-5000	8500	2406	2175	4581
	176 DRW	6.8L/6R140	12,500	7760	4600-5000	8500	2535	2197	4732
		6.2L/6R140	12,500	7860	4600-5000	8500	2462	2178	4640
E-450 Cutaway	158 DRW	6.8L/6R140	14,200	8988	4600	9600	3078	2434	5512
		6.8L/6R140	14,500	8980	5000	9600	3078	2434	5512
		6.2L/6R140	14,000	8530	4400-5000	9600	3032	2429	5461
		6.2L/6R140(2)	14,000	8530	4600-5000	9600	3032	2429	5461
	176 DRW	6.8L/6R140	14,200	8981	4600	9600	3161	2358	5519
		6.8L/6R140	14,500	8980	5000	9600	3161	2358	5519
		6.2L/6R140	14,000	8530	4400-5000	9600	3119	2351	5470
		6.2L/6R140(2)	14,000	8530	4600-5000	9600	3119	2351	5470
E-450 Stripped Chassis	158 DRW	6.8L/6R140	14,500	9690	5000	9600	2531	2274	4805
		6.2L/6R140	14,000	9290	4600-5000	9600	2456	2254	4710
	176 DRW	6.8L/6R140	14,500	9640	5000	9600	2566	2292	4858
		6.2L/6R140	14,000	9230	4600-5000	9600	2490	2272	4762

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

(2) Multi-Function School Activity Bus (MFSAB)/School Bus/Motorhome/Shuttle Bus.

Cutaway — Actual Regular Production Option Content Weight

2019 E-Series Cutaway/Stripped Chassis

Option Weight	(Front/Total) (lbs.)
REAR DIFFERENTIAL:	
Limited-slip Rear Axle (E-350 SRW)	(0/7)
Limited-slip Rear Axle (E-350/E-450 DRW)	(0/4)
TIRES (Add tire weight even if specified as standard equipment):	
LT225/75R16E (DRW)	(0/0)
LT245/75R16E (SRW)	(0/0)
TIRE EQUIPMENT:	
Spare Tire (LT225/75R16E)	(-5/37)
Spare Tire (LT245/75R16E)	(-6/43)
Spare Wheel	(-5/35)
PACKAGES:	
Auxiliary Heater Prep Package	(5/9)
Heater & A/C Prep Package	(18/21)
Heater & A/C Prep Package w/Rear Controls	(17/22)
Insulation Package	(1/1)
Power Windows/Locks Group	(9/13)
Seat Prep Package — Driver Only	(-27/-44)
Seat Prep Package — Driver and Passenger	(-57/-95)
Trailer Tow (Class I)	(1/2)
Upgraded Trailer Tow (Class I)	(1/2)

OPTIONS:	
A/C – Delete	(-51/-49)
Airbag, Passenger Delete	(-9/-11)
Airbag, Passenger Cutoff Switch	(1/1)
Alternator, Extra-heavy-duty	(3/3)
Battery, Heavy-duty/Auxiliary	(29/67)
Bumper, Chrome Front	(5/4)
Captain's Chairs, without Trim	(-3/-5)
Carpeting — Front	(5/8)
Console, Engine Cover Delete	(-9/-11)
Cruise Control	(2/2)
Door Delete, RH (138" WB)	(-58/-82)
Door Delete, RH (158" WB)	(-61/-82)
Door Delete, RH (176" WB)	(-63/-82)
Floor Covering Delete	(-6/-9)
Frame Pucks	(3/6)
Fuel Tank, 40-gallon	(18/-107)
Fuel Tank, 55-gallon	(-18/107)
Headlamps, Halogen Aerodynamic	(4/3)
Headliner Delete	(-2/-4)
Heater, Engine Block	(1/1)
Jack, 2-ton Mechanical (SRW)	(-1/6)
Jack, 4-ton Hydraulic (DRW)	(-2/13)
License Plate Bracket, Front	(1/1)

Mirror, Exterior Delete	(0/0)
Mirror, Interior Day/Night	(1/1)
Mirrors, Trailer Tow — Manual	(16/20)
Mirrors, Trailer Tow — Power	(17/21)
Radio, Premium AM/FM Stereo/CD	(1/1)
Radio, Delete	(-3/-4)
Rear View Camera	(1/1)
Remote Keyless Entry System	(1/1)
Running Boards	(13/27)
Seat, Power Driver's	(6/10)
Seat Delete, Passenger	(-47/-77)
Spacers, Alternate Pattern Frame (138" WB)	(-2/165)
Spacers, Alternate Pattern Frame (158" WB)	(25/165)
Spacers, Alternate Pattern Frame (176" WB)	(42/165)
Spacers, Standard Pattern Frame, Not Included (138" WB)	(8/129)
Spacers, Standard Pattern Frame, Not Included (158" WB)	(8/129)
Spacers, Standard Pattern Frame, Not Included (176" WB)	(44/147)
Speakers, 4	(3/4)
Sun Visor Delete	(-1/-2)
Trailer Brake Controller	(2/2)
Upfitter Switch Pack	(2/2)
Wheels, 16" x 7" Forged Aluminum	(-26/-52)
Wheels, Aluminum Hubcaps	(2/4)
Wheels, Sport Wheel Covers	(2/4)
Line A) Total Actual Option Content Weight: (Front/Total)	____/____

Stripped Chassis — Actual Regular Production Option Content Weight

2019 E-Series Cutaway/Stripped Chassis

Option Weight	(Front/Total) (lbs.)
REAR DIFFERENTIAL:	
Limited-slip Rear Axle (E-350/E-450 DRW)	(0/4)
TIRE EQUIPMENT:	
Spare Tire (LT225/75R16E)	(-5/37)
Spare Tire (LT245/75R16E)	(-6/43)
Spare Wheel	(-5/35)
PACKAGES:	
A/C Prep	(24/25)
OPTIONS:	
Alternator, Extra-heavy-duty	(3/3)
Fuel Tank, 40-gallon	(18/-107)
Fuel Tank, 55-gallon	(18/-107)
Heater, Engine Block	(1/1)
Jack, 2-ton Mechanical (SRW)	(-1/6)
Jack, 4-ton Hydraulic (DRW)	(-2/13)
Upfitter Switch Pack	(2/2)
Wheels, Sport Wheel Covers	(2/4)
Line A) Total Actual Option Content Weight: (Front/Total)	____/____

E-350 Cutaway

REAR WHEELS:		SRW	DRW	SRW	DRW	DRW
WHEELBASE (in.):		138	138	158	158	176
POWERTRAIN:						
Engine	Application	Refer to Order Guide				
	Type	6.8L SEFI V10				
Transmission	Type	6-speed TorqShift Auto				
AXLES:						
Front Axle	Type	Twin I-beam IFS				
	Capacity (Rating @ Ground)	5000 lbs.				
Rear Axle	Type	Full-floating, Dana 10.5"				
	Capacity (Rating @ Ground)	7800 lbs.	8500 lbs.			
BRAKES:						
Front Disc	Type	Dual Piston Caliper (2.36" Diameter Piston)				
	Size (in.)	13.58 Diameter Rotor				
Rear Disc	Type	Dual Piston Caliper (1.89" Diameter Piston)				
	Size (in.)	13.58 Diameter Rotor				
Power-Assist Unit	Type	Vacuum-boost (SRW)/Hydro-Boost (DRW)				
	Boost Ratio	13.46"	7.5:1 (SRW), 6.76:1 (DRW)			
Anti-Lock System	Type	Dual Diaphragm (SRW), Hydro-Boost (DRW)				

Parking Brake	Rear brake drum-in-hat	Foot-operated, Push to Apply/Pull Release Lever to Disengage		
ELECTRICAL:				
Alternator	Rating	SC2 — 150 amperes, 2025-watts[1] — standard with 6.8L SEFI V10 SC2 — 155 amperes, 2090-watts[1] — standard with 6.2L FFV V8 SC6 — 225 amperes, 3035-watts[1] — available with 6.8L SEFI V10 SC7 — 240 amperes, 3240-watts[1] — available with 6.2L FFV V8		
Battery	Type	Maintenance-free		
	Rating	72-amp.-hr., 650-CCA		
Kit		Modified Vehicle Wiring		
FUEL TANK:	Capacity[2]	40-gallon Aft-of-rear-axle		
JACK:	Capacity	2.0-ton (SRW), 4.0-ton (DRW)		
STEERING:	Type	Gear Assembly Power Steering		
	Ratio	17.0:1		
SUSPENSION:				
Frame	Type	Single-channel, 6 Crossmembers, 36,000-psi Steel (Includes 2 Lateral Spacers, 4 Longitudinal Spacers and 12 Body Mounts with 138", 158" WB. Or, 4 Lateral Spacers, 2 Longitudinal Spacers and 12 Body Mounts with 176" WB.)		
	Section Modulus	5.73 cu. in.		
Springs, Front	Type	Coil, Computer-selected		
	Rating @ Ground (min.)	3199 lbs.	3100 lbs.	3100 lbs.
Springs, Rear	Type	Multi-leaf, Single-stage		
	Rating @ Ground (min.)	7310 lbs.	8500 lbs.	
Shock Absorbers	Gas-type	35 mm		
Stabilizer Bar	Front/Rear—	Front — 25.4 mm (SRW)/23 mm (DRW); Rear — 28.6 mm (DRW)		

	Diameter		
TIRES:	Type	Four, Truck-type Steel-belted Radial, All-season (Six with DRW)	
	Size	LT245/75Rx16E	LT225/75Rx16E
WHEELS:	Type & Size	Four, 8-hole Disc, 16" x 7.0" K Steel (Six, 16" x 6.0" K with DRW)	

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

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

E-350 Stripped Chassis

REAR WHEELS:		DRW	DRW	DRW	DRW	DRW
WHEELBASE (in.):		138	158	176	158	176
POWERTRAIN:						
Engine	Application	Refer to Order Guide				
	Type	6.8L SEFI V10				
Transmission	Type	6-speed TorqShift Auto				
AXLES:						
Front Axle	Type	Twin I-beam IFS				
	Capacity (Rating @ Ground)	5000 lbs.				
Rear Axle	Type	Full-floating, Dana 10.5"				
	Capacity (Rating @ Ground)	6340 lbs.	8500 lbs.	7800 lbs.		
BRAKES:						
Front Disc	Type	Dual Piston Caliper (2.36" Diameter Piston)				
	Size (in.)	13.58 Diameter Rotor				
Rear Disc	Type	Dual Piston Caliper (1.89" Diameter Piston)				
	Size (in.)	13.58 Diameter Rotor				
Power-Assist Unit	Boost Ratio	Hydro-Boost 6.76:1 (DRW)				
	Effective Diameter	13.46"				
Anti-Lock System		4-wheel				
Parking Brake	Rear brake drum-in-hat	Foot-operated, Push to Apply/Pull Release Lever to Disengage				
ELECTRICAL:						
Alternator	Rating	SC2 — 150 amperes, 2025-watts[1] — standard with 6.8L SEFI V10				

		SC2 — 155 amperes, 2090-watts[1] — standard with 6.2L FFV V8 SC6 — 225 amperes, 3035-watts[1] — available with 6.8L SEFI V10 SC7 — 240 amperes, 3240-watts[1] — available with 6.2L FFV V8			
Battery	Type	Maintenance-free			
	Rating	72-amp.-hr., 650-CCA			
Kit		Modified Vehicle Wiring			
FUEL TANK:	Capacity	40-gallon Aft-of-rear-axle			
STEERING:	Type	Gear Assembly Power Steering			
	Ratio	17.0:1			
SUSPENSION:					
Frame	Type	Single-channel, 6 Crossmembers, 36,000-psi Steel			
	Section Modulus	5.73 cu. in.			
Springs, Front	Type	Coil, Computer-selected			
	Rating @ Ground (min.)	3100 lbs.	3550 lbs.	3800 lbs.	4050 lbs.
Springs, Rear	Type	Multi-leaf, Single-stage			
	Rating @ Ground (min.)	8500 lbs. (DRW)			
Shock Absorbers	Gas-type	35 mm			
Stabilizer Bar	Front — Diameter	23 mm (DRW)			
	Rear — Diameter	28.6 mm (DRW)			
TIRES:	Type	Truck-type Steel-belted Radial, All-season			
	Size	Six, LT225/75Rx16E[2]			
	Spare tire carrier	None			
WHEELS:	Type & Size	Six, 8-hole Disc, 16" x 6.0" K Steel[2]			

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

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

DUAL REAR WHEELS:		DRW	DRW
WHEELBASE (in.):		158	176
POWERTRAIN:			
Engine	Application	Refer to Order Guide	
	Type	6.8L SEFI V10	
Transmission	Type	6-speed TorqShift Auto	
AXLES:			
Front Axle	Type	Twin I-beam IFS	
	Capacity (Rating @ Ground)	4600 lbs.	
Rear Axle	Type	Full-floating, Dana 10.75" HD	
	Capacity (Rating @ Ground)	9600 lbs.	
BRAKES:			
Front Disc	Type	Dual Piston Caliper (2.36" Diameter Piston)	
	Size (in.)	13.58 Diameter Rotor	
Rear Disc	Type	Dual Piston Caliper (2.12" Diameter Piston)	
	Size (in.)	13.58 Diameter Rotor	
Power-Assist Unit	Boost Ratio	Hydro-Boost, 6.76:1	
Anti-Lock System		4-wheel	
Parking Brake	Rear brake drum-in-hat	Foot-operated, Push to Apply/Pull Release Lever to Disengage	
ELECTRICAL:			
Alternator	Rating	SC2 — 150 amperes, 2025-watts(1)— standard with 6.8L SEFI V10 SC2 — 155 amperes, 2090-watts(1) — standard with 6.2L FFV V8	

		SC6 — 225 amperes, 3035-watts[1] — available with 6.8L SEFI V10 SC7 — 240 amperes, 3240-watts[1] — available with 6.2L FFV V8
Battery	Type	Maintenance-free
	Rating	72-amp.-hr., 650-CCA
Kit		Modified Vehicle Wiring
FUEL TANK:	Capacity[2]	55-gallon, Aft-of-rear-axle
STEERING:	Type	Gear Assembly Power Steering
	Ratio	17.0:1
SUSPENSION:		
Frame	Type	Single-channel, 6 Crossmembers, 36,000-psi Steel
	Section Modulus	6.40 cu. in.
Springs, Front	Type	Coil
	Rating @ Ground (min.)	4600 lbs.
Springs, Rear	Type	Multi-leaf, Single-stage
	Rating @ Ground (min.)	9600 lbs.
Shock Absorbers	Gas-type	35 mm
Stabilizer Bar	Front — Diameter	23 mm
	Rear — Diameter (DRW only)	28.6 mm
TIRES:	Type	Six Truck-type Steel-belted Radial, All-season
	Size	LT225/75Rx16E
WHEELS:	Type & Size	Six, 8-hole Disc, 16" x 6.0" K Steel

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

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

E-450 Stripped Chassis

REAR WHEELS:		DRW	DRW
WHEELBASE (in.):		158	176
POWERTRAIN:			
Engine	Application	Refer to Order Guide	
	Type	6.8L SEFI V10	
Transmission	Type	6-speed TorqShift Auto	
AXLES:			
Front Axle	Type	Twin I-beam IFS	
	Capacity (Rating @ Ground)	5000 lbs.	
Rear Axle	Type	Full-floating, Dana 10.75" HD	
	Capacity (Rating @ Ground)	9600 lbs.	
BRAKES:			
Front Disc	Type	Dual Piston Caliper (2.36" Diameter Piston)	
	Size (in.)	13.58 Diameter Rotor	
Rear Disc	Type	Dual Piston Caliper (2.12" Diameter Piston)	
	Size (in.)	13.58 Diameter Rotor	
Power-Assist Unit	Type	Hydro-Boost	
	Boost Ratio	6.76:1	
Anti-Lock System		4-wheel	
Parking Brake	Rear brake drum-in-hat	Foot-operated, Push to Apply/Pull Release Lever to Disengage	
ELECTRICAL:			
Alternator	Rating	SC2 — 150 amperes, 2025-watts[1]— standard with 6.8L SEFI V10	

		SC2 — 155 amperes, 2090-watts[1] — standard with 6.2L FFV V8 SC6 — 225 amperes, 3035-watts[1] — available with 6.8L SEFI V10 SC7 — 240 amperes, 3240-watts[1] — available with 6.2L FFV V8	
Battery	Type	Maintenance-free	
	Rating	72-amp.-hr., 650-CCA	
Kit		Modified Vehicle Wiring	
FUEL TANK:	Capacity	55-gallon	
STEERING:	Type	Gear Assembly Power Steering	
	Ratio	17.0:1	
SUSPENSION:			
Frame	Type	Single-channel, 6 Crossmembers, 36,000-psi Steel	
	Section Modulus	5.730 cu. in.	
Springs, Front	Type	Coil, Computer-selected	
	Rating @ Ground (min.)	5000 lbs.	
Springs, Rear	Type	Multi-leaf, Single-stage	
	Rating @ Ground (min.)	9600 lbs.	
Shock Absorbers	Gas-type	35 mm	
Stabilizer Bar	Front — Diameter	Front — 23 mm	Rear — 28.6 mm
TIRES:	Type	Truck-type Steel-belted Radial, All-season	
	Size	Six, LT225/75Rx16E	
	Spare tire carrier	None	
WHEELS:	Type & Size	Six, 8-hole Disc, 16" x 6.0" K Steel[2]	

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

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

Transmission Specifications

Make/Type	Ford 6-Speed TorqShift Automatic
Engine	6.8L SEFI V10 (Std.) or 6.2L FFV V8 (Opt.)
Ratios (to 1)	
1st	3.97
2nd	2.31
3rd	1.51
4th — OD	1.14
5th — OD	0.85
6th	0.67
Reverse	3.12
Converter Size & Type	305 mm, 3 Plate, 2 Stage
Converter Torque Ratio @ WOT Stall	1.9
Lubricant Capacity (pt.)	17.4
Gear Set	Double Ravigneaux
Oil Cooler	Oil to Air and In-Tank

Engine

Driveline Layout	Front engine, rear wheel (RWD)	
Engine Type	6.2L FFV V8	6.8L SEFI V10
Displacement (liters/cu. in.)	6.2/379	6.8/415
Horsepower @ rpm	331 @ 5500	305 @ 4250
Torque (lb.-ft.) @ rpm	356 @ 4000	420 @ 3250
Compression Ratio	9.8:1	9.1:1
Valvetrain	SOHC	SOHC
Valve Operation	Roller rocker shaft	Roller rocker shaft
Bore & Stroke (in.)	4.02 x 3.74	3.55 x 4.17
Main bearings	4	6
Induction	Naturally aspirated	Naturally aspirated
Fuel System	Sequential Multi-port	Sequential Multi-port
Fuel Requirement (octane)	87 (min.)/E85	87 (min.)

Cooling System Specification

2019 E-Series Cutaway/Stripped Chassis

Specs > Powertrain

Engine	Cooling	Trans. Usage	Frontal Area (sq. in.)	Core Size (in.)			Rows of Tubes	Fins per Inch	Cooling System Capacity (approx. quarts)	Fan Specifications		
				Height	Width	Thick.				Type	No. of Blades	Blade Dia. (in.)
6.8L SEFI V10	All	Auto	708	23.6	30.0	1.4	1	16.5	30.4	Plastic	8	20.0
6.2L FFV V8	All	Auto	837	27.5	30.43	1.02	1	12.1	21.0	Plastic	8	20.0

Fuel System Data

2019 E-Series Cutaway/Stripped Chassis

Specs > Powertrain

Electronic Fuel Injection	6.8L SEFI V10	Sequential Multiport Fuel Injection
	6.2L FFV V8	Sequential Multiport Fuel Injection
Fuel Pump	6.8L SEFI V10	Electric-in-Tank High Pressure
	6.2L FFV V8	Single Electric-in-Tank High Pressure (one per tank)
Fuel Filter	6.8L SEFI V10	In-line Large Capacity (One)
	6.2L FFV V8	In-line Large Capacity (One)
Air Cleaner	6.8L SEFI V10	Dry Element, Replaceable
	6.2L FFV V8	Dry Element, Replaceable

Front Axle Specifications

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

Rear Axle Specifications

Model/Series		E-350	E-450
Make		Dana 10.5"	Dana 10.75" HD
Rating @ Ground (lbs.)		7800/8500	9600
Type		Full-floating	Full-floating
Driveline Attachment, Circular Flange		4.25"	4.75"
Housing	Type	Cast Center	Cast Center
	Cover Attachment	Bolted	Bolted
Section	Tube Diameter (in.)	3.50	4.00
	Thickness (in.)	0.39/0.56	0.625
Lubricant Capacity (pt.)		6.6	9.6
Spring Centers (in.)		48.92	48.92
Wheel Bearings	Type	Tapered Roller, 2 Opposed	
Gears	Type	Hypoid	Hypoid
	Material	Alloy Steel	Alloy Steel
Ring Gear	Pitch Diameter (in.)	10.50	10.75
	Mounting	Overhung	Overhung
Differential	Type	2-pinion(1)	2-pinion(1)
	L/S Type	Traction-Lok	Traction-Lok
Axle Shaft	Spline — Minor Dia. (in.)	1.268	1.268
	Spline — Major Dia. (in.)	1.375	1.375
	Number of Splines	32	35

(1) 4-pinion for limited-slip.

Hydraulic Brake Equipment Specifications — Front/Rear

2019 E-Series Cutaway/Stripped Chassis

Type	Model/Series	Rotor Dia (in.)		Brake Lining Segment	Area (sq. in.)/ Width (in.)/ Thickness (in.)	Caliper Piston Dia. (in.)	Gross Lining Area per Axle (sq. in.)	Total Swept Area per Axle (sq. in.)
		OD	ID					
Disc	All (Front)	13.58	8.70	Outboard	7.16/2.34/0.489	2.36	47.8	341.6
				Inboard	—			
	E-450 (Rear)	13.58	9.88	Outboard	5.96/1.74/0.51	2.12	43.65	272.70
				Inboard	—			
	E-350 (Rear)	13.58	9.88	Outboard	6.65/2.33/0.346	1.89	39.50	272.70
				Inboard	5.31/2.03/0.413			

Brake Master Cylinder Specifications

2019 E-Series Cutaway/Stripped Chassis

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

Power Brakes Vacuum Booster Specifications

2019 E-Series Cutaway/Stripped Chassis

Specs > Chassis

Type	Model/Series	Ratio	Diaphragm Type
Bendix, Dash-mounted	E-350 (SRW)	7.5:1	Dual

Power Brakes Hydraulic Booster Specifications

2019 E-Series Cutaway/Stripped Chassis

Specs > Chassis

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

Frame Specifications

2019 E-Series Cutaway/Stripped Chassis

Specs > Chassis

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

Shock Absorber Specifications

2019 E-Series Cutaway/Stripped Chassis

Specs > Chassis

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

Spring Specifications — Front Coil

Model/Series	GVWR (lbs.)	Combined Rating @ Ground (lbs.)	Normal Working Height of Spring (in.)	Wire Diameter (in.)	Deflection Rate @ Ground (lbs. per in. each)	Inside Diameter (in.)	Rating Each @ Pad (lbs. per spring)
E-350 Cutaway	10,050 (SRW), 11,500, 12,500	3800	12.0	0. 72	328	4.0	2165
		3900	12.0	0. 73	341	4.0	2224
		4050	12.0	0. 74	354	4.0	2318
		4200	12.0	0. 74	354	4.0	2414
		4400	12.0	0. 76	366	4.0	2542
		4600	12.0	0. 78	366	4.0	2670
		5000	12.0	0. 79	418	4.0	2900
E-350 Stripped Chassis	11,500, 12,500	3800	12.0	0. 72	328	4.0	2165
		3900	12.0	0. 73	341	4.0	2229
		4050	12.0	0. 74	354	4.0	2318
		4200	12.0	0. 74	354	4.0	2414
		4400	12.0	0. 76	366	4.0	2542
		4600	12.0	0. 78	366	4.0	2670
		5000	12.0	0. 79	418	4.0	2900
E-450 Cutaway/ Stripped Chassis	14,200	4600	12.0	0. 78	366	4.0	2670
	14,500	5000	12.0	0. 79	418	4.0	2900

Spring Specifications — Rear Main Leaf

Model/Series	Combined Rating @ Ground (lbs.)	Number of Leaves	Total Thickness @ Pad (in.)	Length (in.)	Width (in.)	Deflection Rear (lbs. per in. per spring)(1)	Rating Each @ Pad (lbs. per spring)
E-350 Extended Cutaway	6195	4	1.99	55.0	3.00	373.0/699.0	2772
E-350 Cutaway/ Stripped Chassis SRW	7310	9	3.59	55.0	3.00	924.7	3296
E-350 Cutaway/ Stripped Chassis DRW	8500	9	3.79	58.5	3.00	1087	3790
E-450 Cutaway/ Stripped Chassis	9600	11	4.66	58.5	3.00	1138	4288

(1) Dual numbers indicate two-stage spring.

Steering Specifications

2019 E-Series Cutaway/Stripped Chassis

Specs > Chassis

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

(1) 15 1/2" diameter steering wheel. Cutaway and Stripped Chassis models include HD steering gear.

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

(3) Cutaway only.

Tire Specifications

2019 E-Series Cutaway/Stripped Chassis

Specs > Chassis

Type/Size	Rim Width (in.)	Section Width (in.)	Ply Rating	Load Rating	Maximum Inflation Pressure (psi)	Load Limits @ Maximum Inflation Pressure (lbs.)	Static Loaded Radius (in.)	Revolutions per Mile @ 45 mph
LT225/75R16	6.0	9.60	10	E	80	2680 SRW 2470 DRW	14.60	709
LT245/75Rx16	7.0	10.20	10	E	80	3042	14.10	677

Wheel Specifications

2019 E-Series Cutaway/Stripped Chassis

Specs > Chassis

Wheel Type	Wheel Size	Nominal Offset (mm.)	No. of Studs	Bolt Circle (in.)	Max. Wheel Capacity Load (lbs. @ ground)
Steel	16" x 7.0" K	0.25	8	6.5	2300 Front 3045 Rear
	16" x 6.0" K (Dual)	5.15	8	6.5	2500 Front 2500 Rear
Aluminum	16" x 7.0" J	0.25	8	6.5	3045

Trailer Towing Information

2019 E-Series Cutaway/Stripped Chassis

Specs > Special Applications

For additional towing information, refer to the RV & Trailer Towing Guide, available as a printable PDF on **eSourceBook**, or the vehicle owner's manual

Snowplow Applications

2019 E-Series Cutaway/Stripped Chassis

Specs > Special Applications

Not recommended for Snowplow Applications.

Alternator Specifications

2019 E-Series Cutaway/Stripped Chassis

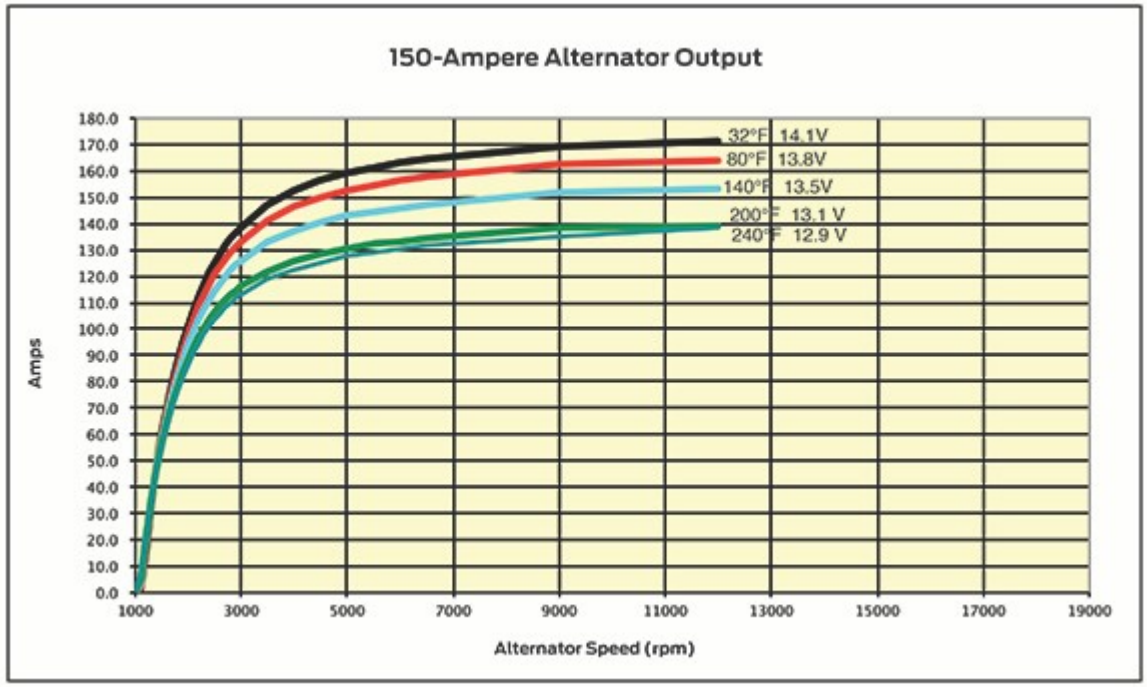
Specs > Electrical

Output (ampere)[1]	150	155	225	240
Output (watts)	2025	2090	3035	3240

(1) Actual output is temperature- and application-dependent.

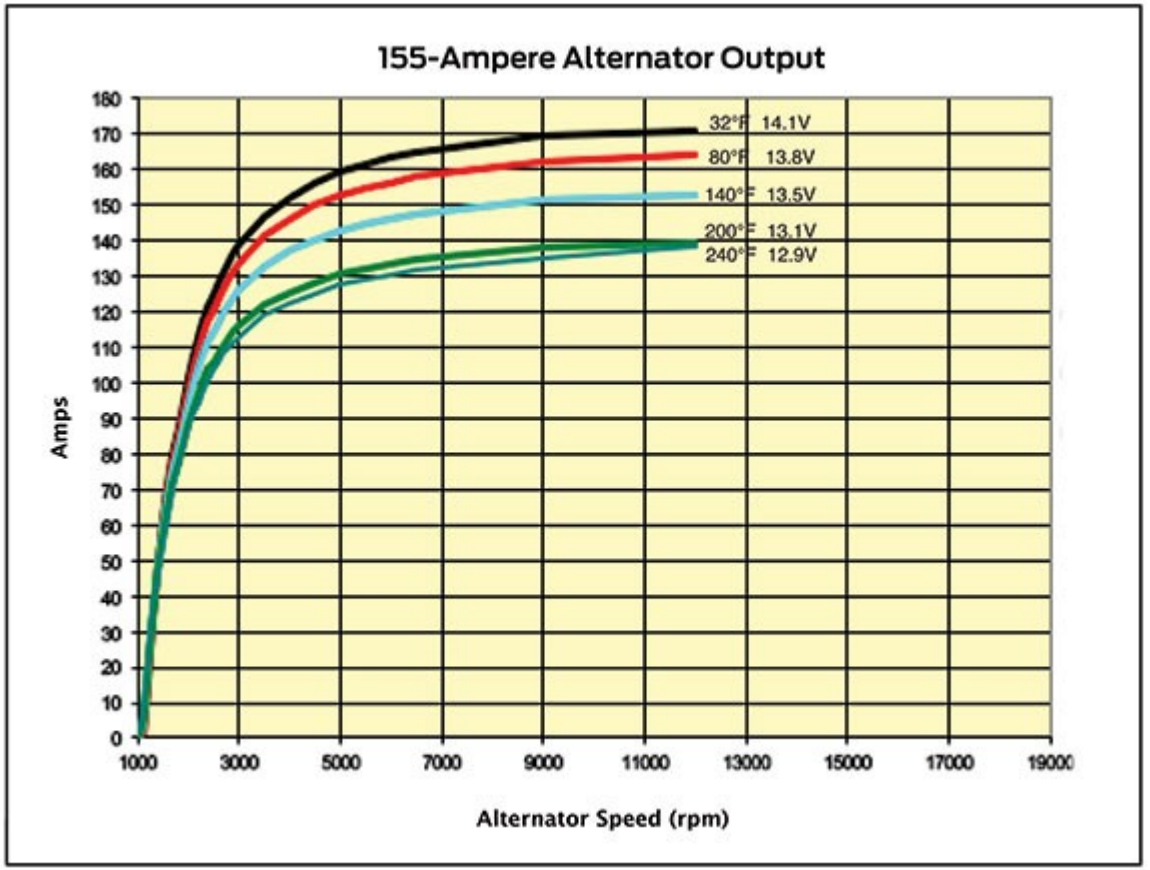
150-Ampere Alternator

Engine	Pulley Ratio	Model Application
6.2L FFV V8	3.00:1	E-Series Cutaway and Stripped Chassis



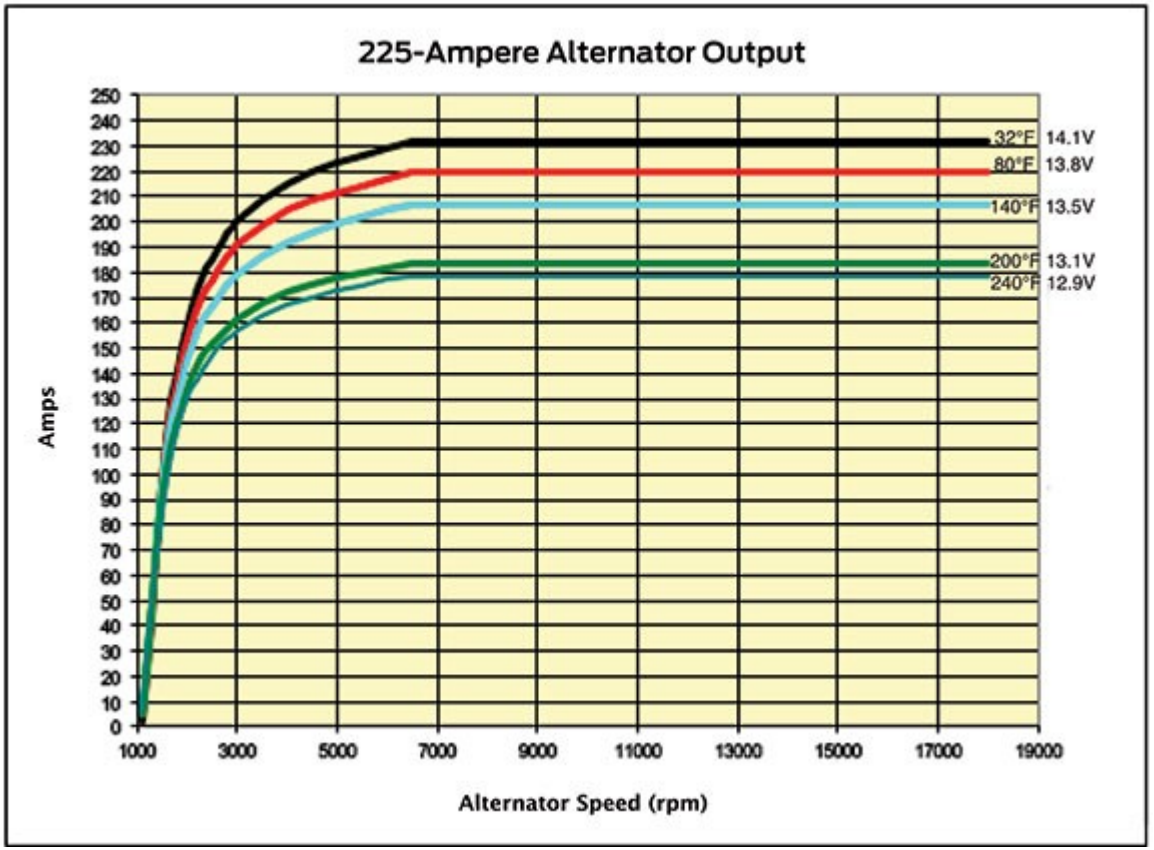
155-Ampere Alternator

Engine	Pulley Ratio	Model Application
6.8L SEFI V10	2.72:1	E-Series Cutaway and Stripped Chassis (optional)



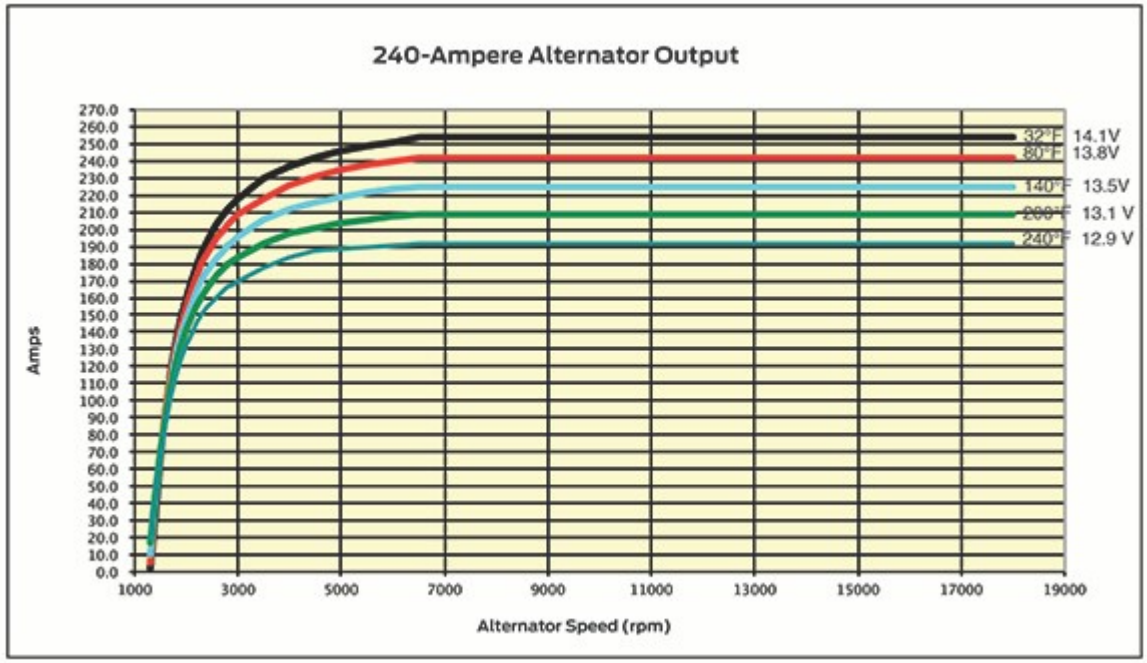
225-Ampere Alternator

Engine	Pulley Ratio	Model Application
6.8L SEFI V10	3.00:1	E-Series Cutaway and Stripped Chassis



240-Ampere Alternator

Engine	Pulley Ratio	Model Application
6.2L FFV V8	3.00:1	E-Series Cutaway and Stripped Chassis



Battery Applications

2019 E-Series Cutaway/Stripped Chassis

Specs > Electrical

Ampere-Hour Rating	72	78
Cold-Cranking Amps at 0°F	650	750
E-Series		
6.8L SEFI V10	Std.	Opt.(1)
6.2L FFV V8	Std.	Opt.

(1) Dual batteries — 1500 CCA.

Cold Weather Recommendations

2019 E-Series Cutaway/Stripped Chassis

Specs > Electrical

Minimum Temperature	Equipment	
	HD Battery	Engine Block Heater
0°F	Suggested	Not Needed
-10°F	Recommended	Suggested
-20°F	Recommended	Recommended
Below -20°F	Strongly Recommended	Strongly Recommended

DEFINITIONS

Suggested: Helpful, but not needed.

Recommended: Could improve reliability in less-than-ideal conditions.

Strongly Recommended: Will give definite improvement over the standard components.

HD Battery: Higher-capacity battery available. (Usage varies by model.)

Engine Block Heater: Available equipment for all engines. (Usage and heater capacity vary with engine requirements.)

Standard Lighting/Reflector Equipment

2019 E-Series Cutaway/Stripped Chassis

Specs > Electrical

Light Reflector	Application
Headlamps (Halogen)	All Series — Two replaceable bulbs with all models
Parking Lights	All Series — Integral with turn signals
Front/Rear Turn Signals	All Series
Front Side Marker Lights	All Series
Front Side Reflectors	All Series
Rear Side Reflectors	All Series
Rear Side Marker Lights	All Series — integral with taillamps
License Plate Lights	All Series
Two Combination Taillamps with Integral Stop, Turn Signal and Backup Lamps and Reflective Surface	All Series
Rear Reflectors	All Series
Front Daytime Running Lamps	All Vehicles Registered in Canada

Light Specifications and Usage

2019 E-Series Cutaway/Stripped Chassis

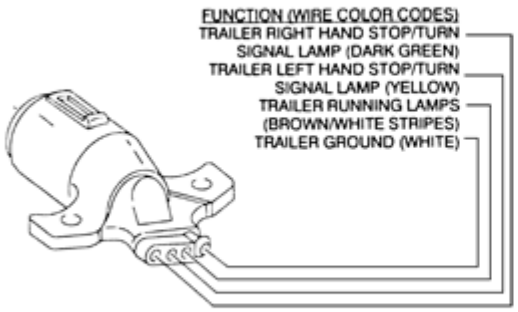
Specs > Electrical

Light	Code	Description	Usage
Cab Marker — (5 lights) Amber	STD	Torpedo, Hella	All Model Series
Daytime Running Lamps	STD	(2) Replaceable bulbs, Halogen	All Vehicles Registered in Canada
Headlamps	STD	(2) Replaceable bulbs, Halogen	All Vehicles Registered in U.S. and Canada

Trailer Towing Wiring Harness

Circuit Number	Circuit Description	Color Code
RAT08	Ground	White
CAT17	Park Lamps	Brown
CAT14	Trailer Battery Feed	Orange
CAT19	To Electric Brakes	Dark Blue
CAT09	RH Turn Signal and Stop Lamps	Dark Green
CAT06	LH Turn Signal and Stop Lamps	Yellow
CAT03/CAT16	Trailer Backup Lamps	Gray with Brown Stripe
CBP30	Front Brake Controller Running Lamp Feed/Park Lamp Feed	Yellow with Blue Stripe
CBP40	Rear Brake Controller Running Lamp Feed/Park Lamp Feed	Yellow with Green Stripe
CLS30	Brake Controller Running Lamp Feed/Park Lamp Feed	Violet with White Stripe
CCB08	Vehicle Stop Lamps	Violet with White Stripe
SBB18/SBB17	B+ to Electric Brake Controller	Yellow with Red Stripe

4-Pin Harness



7-Pin Harness