

Trailer Towing Chart

REPORT CONTENTS - FINAL

DETAILS

- > BASE VEHICLE WEIGHTS FOR EPA MODELS
- > VEHICLE AND AXLE RATINGS
- > PAYLOAD
- > TRAILER WEIGHT RATINGS PER SAE J2807 STANDARD DEFINITION

Trailer Towing Chart

SOURCE AND REFERENCE INFORMATION FOR D1		
SOURCE	VEHICLE REFERENCE	DATE
BASE WEIGHT	AUDIT OF VP BUILDS	12/27/2017

FOR MORE INFORMATION ABOUT THIS REPORT PLEASE CONTACT			
VF	ENGINEER	PHONE	PLATFORM
DT	Satinder Boyal	776-0070	ALL

WEIGHT TERM DEFINITIONS

1. BASE WEIGHT

THE WEIGHT OF A STANDARD EQUIPPED SALES UNIT (VEHICLE LINE, BODY STYLE, GVWR, ENGINE, TRANSMISSION & ELECTRIFICATION) WITH FULL QUANTITIES OF FUEL, LUBRICANT & COOLANT.

2. 33 % OPTION WEIGHT

COMBINED WEIGHT OF ALL PRODUCTION INSTALLED OPTIONS THAT HAVE A PROJECTED SALES VOLUME OF MORE THAN 33% AND COMPLY WITH EPA RULES.

3. PAYLOAD

THE COMBINED MAXIMUM ALLOWABLE WEIGHT OF OPTIONS, CARGO AND PASSENGERS THAT THE TRUCK IS DESIGNED TO CARRY.

4. GROSS VEHICLE WEIGHT RATING (GVWR)

THE MAXIMUM ALLOWABLE WEIGHT OF THE FULLY LOADED VEHICLE.

5. GROSS AXLE WEIGHT RATING (GAWR)

THE MAXIMUM WEIGHT TO BE CARRIED BY A SINGLE AXLE (FRONT OR REAR).

6. GROSS COMBINED WEIGHT RATING (GCWR)

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.

7. TRAILER WEIGHT RATING (TWR)

THE MAXIMUM ALLOWABLE WEIGHT OF A TRAILER PLUS CARGO THAT A VEHICLE CONFIGURATION CAN HANDLE.

8. TONGUE WEIGHT

THE WEIGHT A CONVENTIONAL TRAILER PUTS ON THE BACK OF A TOW VEHICLE. 10 PERCENT OF THE TRAILER WEIGHT RECOMMENDED FOR A CONVENTIONAL HITCH TRAILER AND 15 PERCENT RECOMMENDED FOR A GOOSNECK OR FIFTH WHEEL TRAILER.

9. AXLE RATIO

THE RATIO BETWEEN THE DRIVESHAFT RPM AND AXLE SHAFT RPM. THE AXLE RATIO IS CRITICAL IN THE OPERATION OF THE TRANSMISSION/DRIVESHAFT/AXLE SYSTEM THAT TRANSMITS ENGINE TORQUE TO THE DRIVING WHEELS.

J2807:

- 1. Payload and Max Trailer Weights are ESTIMATED values.**
 - 2. All weights are shown in pounds unless otherwise stated.**
 - 3. Payload and Max Trailer Weight values are rounded to the nearest 10 lb.**
 - 4. Payload = GVWR – Base Weight.**
 - 5. Trailer Weight Rating and Tow Vehicle Trailering Weight are calculated as specified in SAE J2807.**
 - Passenger Weight = 300 lb.
 - Options Weight is option content above 33 percent of sales volume.
 - Trailer equipment weight = Class IV receiver hitch is 11.1 lb (if not already included in options weight).
 - Trailer Hitch is 10 lb if TWR is less or equal to 5,000 lb and 65 lb if TWR is greater than 5,000 lb.
 - 6. Payload and Trailer Weight Rating are mutually exclusive.**
 - 7. GAWRs, GVWRs and GCWRs should never be exceeded.**
 - 8. The recommended tongue weight for a conventional hitch is 10 percent of the gross trailer weight. The maximum tongue weight for Class IV receiver hitch is limited to 1100 lb.**
 - 9. Weight Distributing Hitch is recommended for trailers over 5,000 lb.**
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Trailer Towing Chart

REMARKS PERTAINING TO INDIVIDUAL BODY SHELLS
BODY
SHELL

REMARKS
BASE WEIGHTS UPDATED BASED ON VP A AND VP B BUILDS
DIESEL ENGINE POSTPONED TO 2020 MY

Trailer Towing Chart

2019DT1E41

RAM 1500 4X2 QUAD ST 6'4" BOX

Engine	Trans.	SRW/DRW	Axle Ratio	Pickup Box SC	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
							Total	Front	Rear	Front	Rear			
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.21		6010	1210.0	4797.53	2830.54	1966.99	3700.0	4100.0	11900	11900	6730.0

Trailer Towing Chart

2019DT1L41

RAM 1500 4X2 QUAD ST 6'4" BOX

Engine	Trans.	SRW/DRW	Axle Ratio	Pickup Box SC	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
							Total	Front	Rear	Front	Rear			
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.21		6900	2100.0	4797.77	2827.5	1970.27	3700.0	4100.0	11900	11900	6730.0
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.55		6900	2100.0	4797.77	2827.5	1970.27	3700.0	4100.0	12900	12900	7730.0
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.21		7100	2300.0	4797.78	2827.5	1970.28	3700.0	4100.0	11900	11900	6730.0
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.55		7100	2300.0	4797.78	2827.5	1970.28	3700.0	4100.0	12900	12900	7730.0
5.7L V8 HEMI MDS VVT ENGINE	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.21		6900	1900.0	5004.0	2929.09	2074.91	3700.0	4100.0	13900	13900	8510.0
5.7L V8 HEMI MDS VVT ENGINE	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.92		6900	1900.0	5004.0	2929.09	2074.91	3700.0	4100.0	17000	17000	11610.0
5.7L V8 HEMI MDS VVT ENGINE W/ BSG	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.21		6900	1830.0	5067.76	2969.67	2098.09	3700.0	4100.0	13900	13900	8460.0
5.7L V8 HEMI MDS VVT ENGINE W/ BSG	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.92		6900	1830.0	5067.76	2969.67	2098.09	3700.0	4100.0	17000	17000	11560.0
5.7L V8 HEMI MDS VVT ENGINE W/ BSG	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.92		6900	1830.0	5067.76	2969.67	2098.09	3700.0	4100.0	18193	18200	12750.0

Trailer Towing Chart

2019DT1L91

RAM 1500 4X2 CREW ST 6'4" BOX

Engine	Trans.	SRW/DRW	Axle Ratio	Pickup Box SC	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
							Total	Front	Rear	Front	Rear			
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.21		6900	1880.0	5019.96	2954.94	2065.02	3700.0	4100.0	11900	11900	6500.0
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.55		6900	1880.0	5019.96	2954.94	2065.02	3700.0	4100.0	12900	12900	7500.0
5.7L V8 HEMI MDS VVT ENGINE	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.21		6900	1830.0	5071.69	2970.25	2101.44	3700.0	4100.0	13900	13900	8430.0
5.7L V8 HEMI MDS VVT ENGINE	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.92		6900	1830.0	5071.69	2970.25	2101.44	3700.0	4100.0	17000	17000	11530.0
5.7L V8 HEMI MDS VVT ENGINE W/ BSG	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.21		6900	1690.0	5209.96	3049.94	2160.02	3700.0	4100.0	13900	13900	8290.0
5.7L V8 HEMI MDS VVT ENGINE W/ BSG	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.92		6900	1690.0	5209.96	3049.94	2160.02	3700.0	4100.0	17000	17000	11390.0

Trailer Towing Chart

2019DT1L98

RAM 1500 4X2 CREW ST 5'7" BOX

Engine	Trans.	SRW/DRW	Axle Ratio	Pickup Box SC	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
							Total	Front	Rear	Front	Rear			
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.21		6900	1930.0	4971.43	2893.68	2077.75	3700.0	4100.0	11900	11900	6520.0
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.55		6900	1930.0	4971.43	2893.68	2077.75	3700.0	4100.0	12900	12900	7520.0
5.7L V8 HEMI MDS VVT ENGINE	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.21		6900	1850.0	5053.93	2925.55	2128.38	3700.0	4100.0	13900	13900	8440.0
5.7L V8 HEMI MDS VVT ENGINE	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.92		6900	1850.0	5053.93	2925.55	2128.38	3700.0	4100.0	17000	17000	11540.0
5.7L V8 HEMI MDS VVT ENGINE W/ BSG	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.21		6900	1740.0	5161.45	2988.68	2172.77	3700.0	4100.0	13900	13900	8330.0
5.7L V8 HEMI MDS VVT ENGINE W/ BSG	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.92		6900	1740.0	5161.45	2988.68	2172.77	3700.0	4100.0	17000	17000	11430.0

Trailer Towing Chart

2019DT6L41

RAM 1500 4X4 QUAD ST 6'4" BOX

Engine	Trans.	SRW/DRW	Axle Ratio	Pickup Box SC	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
							Total	Front	Rear	Front	Rear			
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.21		6800	1710.0	5090.44	3056.15	2034.29	3900.0	4100.0	11900	11900	6410.0
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.55		6800	1710.0	5090.44	3056.15	2034.29	3900.0	4100.0	12900	12900	7440.0
5.7L V8 HEMI MDS VVT ENGINE	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.21		7100	1970.0	5134.37	3051.72	2082.65	3900.0	4100.0	13900	13900	8370.0
5.7L V8 HEMI MDS VVT ENGINE	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.92		7100	1970.0	5134.37	3051.72	2082.65	3900.0	4100.0	17000	17000	11470.0
5.7L V8 HEMI MDS VVT ENGINE W/ BSG	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.21		7100	1820.0	5280.43	3151.16	2129.27	3900.0	4100.0	13900	13900	8230.0
5.7L V8 HEMI MDS VVT ENGINE W/ BSG	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.92		7100	1820.0	5280.43	3151.16	2129.27	3900.0	4100.0	17000	17000	11330.0

Trailer Towing Chart

2019DT6L91

RAM 1500 4X4 CREW ST 6'4" BOX

Engine	Trans.	SRW/DRW	Axle Ratio	Pickup Box SC	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
							Total	Front	Rear	Front	Rear			
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.21		6900	1670.0	5227.05	3150.56	2076.49	3900.0	4100.0	11900	11900	6250.0
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.55		6900	1670.0	5227.05	3150.56	2076.49	3900.0	4100.0	12900	12900	7250.0
5.7L V8 HEMI MDS VVT ENGINE	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.21		7100	1780.0	5318.49	3165.19	2153.3	3900.0	4100.0	13900	13900	8140.0
5.7L V8 HEMI MDS VVT ENGINE	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.92		7100	1780.0	5318.49	3165.19	2153.3	3900.0	4100.0	17000	17000	11240.0
5.7L V8 HEMI MDS VVT ENGINE W/ BSG	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.21		7100	1680.0	5417.02	3245.55	2171.47	3900.0	4100.0	13900	13900	8020.0
5.7L V8 HEMI MDS VVT ENGINE W/ BSG	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.92		7100	1680.0	5417.02	3245.55	2171.47	3900.0	4100.0	17000	17000	11120.0

Trailer Towing Chart

2019DT6L98

RAM 1500 4X4 CREW ST 5'7" BOX

Engine	Trans.	SRW/DRW	Axle Ratio	Pickup Box SC	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
							Total	Front	Rear	Front	Rear			
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.21		6900	1770.0	5133.17	3069.85	2063.32	3900.0	4100.0	11900	11900	6370.0
3.6L V6 24V VVT ENGINE UPG I W/BSG	8-SPD AUTO 850RE TRANS (MAKE)	SRW	3.55		6900	1770.0	5133.17	3069.85	2063.32	3900.0	4100.0	12900	12900	7370.0
5.7L V8 HEMI MDS VVT ENGINE	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.21		7100	1840.0	5259.81	3093.05	2166.76	3900.0	4100.0	13900	13900	8240.0
5.7L V8 HEMI MDS VVT ENGINE	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.92		7100	1840.0	5259.81	3093.05	2166.76	3900.0	4100.0	17000	17000	11340.0
5.7L V8 HEMI MDS VVT ENGINE W/ BSG	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.21		7100	1780.0	5323.15	3164.84	2158.31	3900.0	4100.0	13900	13900	8150.0
5.7L V8 HEMI MDS VVT ENGINE W/ BSG	8-SPD AUTO 8HP75 TRANS (BUY-US)	SRW	3.92		7100	1780.0	5323.15	3164.84	2158.31	3900.0	4100.0	17000	17000	11250.0