



2013 RAM 2500 & 3500 HEAVY DUTY SPECIFICATIONS

All dimensions are in inches (millimeters) unless otherwise noted.

All dimensions measured at curb weight with standard tires and wheels.

GENERAL INFORMATION

Vehicle Type	Regular Cab, Crew Cab and Mega Cab
Assembly Plants	Saltillo Truck Assembly Plant, Coahuila, Mexico
EPA Vehicle Class	Standard Pickup

ENGINE: 5.7-LITER HEMI® V-8

Availability	2500 and 3500
Type and Description	Eight-cylinder, 90-degree V-8, liquid-cooled with variable-valve timing (VVT)
Displacement	345 cu. in. (5,654 cu. cm)
Bore x Stroke	3.92 x 3.58 (99.5 x 90.9)
Valve System	Pushrod-operated overhead valves, 16 valves, hydraulic lifters with roller followers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers
Compression Ratio	10.5:1
Power (SAE net)	383 bhp (286 kW) @ 5,600 rpm,
Torque (SAE net)	400 lb.-ft. (542 N•m) @ 4,000 rpm
Max. Engine Speed	5,800 rpm
Fuel Requirement	Unleaded mid-grade, 89 octane (R+M)/2 — recommended Unleaded regular, 87 octane (R+M)/2 — acceptable
Oil Capacity	7.0 qt. (6.6 liter)
Coolant Capacity	18 qt. (17.7 liter)
Emission Control	Three-way catalytic converters, heated oxygen sensors and internal engine features

ENGINE: 6.7-LITER CUMMINS TURBO DIESEL I-6 (three versions)

Availability	2500 and 3500
Type and Description	Six-cylinder, inline, liquid-cooled, turbocharged, intercooled
Displacement	408 cu. in. (6,690 cu. cm)
Bore x Stroke	4.21 x 4.88 (107 x 124)
Valve System	OHV, 24 valves, solid lifters
Fuel Injection	Electronic high-pressure common rail
Construction	Cast-iron block and head
Compression Ratio	16.5:1
Power (SAE net)	350 bhp (261 kW) @ 2,800 rpm (G56 manual transmission)
Torque (Manual SAE net)	660 lb.-ft. (881 N•m) @ 1,500 rpm
Power (SAE net)	370 bhp (276 kW) @ 2,800 rpm (68RFE automatic transmission)



Torque (Automatic SAE net)	800 lb.-ft. (1084 N•m) @ 1,600 rpm
Power (SAE net)	385 bhp (287 kW) @ 2,800 rpm (AS69RC automatic transmission — 3500 only)
Torque (Automatic SAE net)	850 lb.-ft. (1152 N•m) @ 1,600 rpm (3500 only)
Maximum High-idle Engine Speed	3,500 rpm
Fuel Requirement	Ultra low sulfur diesel
Oil Capacity	12.0 qt. (11.3 liter) with filter
Coolant Capacity	29.5 qt. (28.0 liter)
Emission Controls	Diesel exhaust fluid

TRANSMISSION: G56 — MANUAL SIX-SPEED OVERDRIVE

Availability	6.7-liter diesel
Description	Synchronized in all gears
Gear Ratios	
1st	5.94
2nd	3.28
3rd	1.98
4th	1.31
5th	1.0
6th	0.74
Reverse	5.42

TRANSMISSION: 66RFE — AUTOMATIC SIX-SPEED

Availability	5.7-liter gas
Description	Three planetary gear sets, one overrunning clutch, full electronic control, electronically controlled converter clutch
Gear Ratios	
1st	3.23
2nd	1.84
3rd	1.41
4th	1.00
5th	0.82
6th	0.63
Reverse	4.44
Overall Top Gear	2.35 with 3.73 axle ratio; 2.58 with 4.10 axle ratio; 2.87 with 4.56 axle ratio

TRANSMISSION: 68RFE — AUTOMATIC SIX-SPEED

Availability	6.7-liter diesel
Description	Three planetary gear-sets, one overrunning clutch, full electronic control, electronically controlled converter clutch
Gear Ratios	
1st	3.23
2nd	1.84



3rd	1.41
4th	1.0
5th	0.82
6th	0.63
Reverse	4.44
Overall Top Gear	2.15 with 3.42 axle ratio; 2.35 with 3.73 axle ratio; 2.58 with 4.10 axle ratio

TRANSMISSION: AS69RC — AUTOMATIC SIX-SPEED

Availability	6.7-liter Diesel
Description	Three planetary gear-sets, one overrunning clutch, full electronic control, electronically controlled converter clutch
Gear Ratios	
1st	3.75
2nd	2.0
3rd	1.34
4th	1.0
5th	0.77
6th	0.63
Reverse	3.54
Overall Top Gear	2.15 with 3.42 axle ratio; 2.35 with 3.73 axle ratio; 2.58 with 4.10 axle ratio

TRANSFER CASES: BW 44-46, BW 44-47

Availability	Optional on 6.7-liter diesel and 5.7-liter gas
Type	Part-time - BW 44-47 Manual shift and BW 44-46 Electric shift
Operating Modes	2WD; 4WD High; Neutral; 4WD Low
Low-range Ratio	2.64
Center Differential	None

ELECTRICAL SYSTEM

Alternator	
Rating	160-amp standard with 5.7-liter
Rating	180-amp included with Snow Plow Prep Package standard with 6.7-liter, optional on 5.7-liter
Rating	Dual 220-amp (optional)
Battery	
Description	Group 65, maintenance-free, 750 CCA



2013 RAM 2500 HEAVY DUTY DIMENSIONS AND CAPACITIES

REGULAR CAB 140.5"WB 8' 0" BOX SRW	4x2	4x4
Wheelbase	140.5	140.0
Track Width – Front	68.6	68.3
Track Width – Rear	68.2	68.2
Overall Length	231.0	231.0
Overall Width @ SgRP Front	78.9	78.9
Overall Height	73.3	75.7
Suspension or Axle to Ground – Front	7.6	7.5
Suspension or Axle to Ground – Rear	7.4	7.4
Approach Angle	13.2	23.0
Ramp Breakover Angle	16.5	16.9
Departure Angle	18.1	21.6

CREW CAB 149.5"WB 6' 4" BOX SRW	4x2	4x4
Wheelbase	149.4	148.9
Track Width – Front	68.6	68.3
Track Width – Rear	68.2	68.2
Overall Length	237.4	237.4
Overall Width @ SgRP Front	79.1	79.1
Overall Height	73.7	77.7
Suspension or Axle to Ground – Front	7.1	7.4
Suspension or Axle to Ground – Rear	7.3	7.1
Approach Angle	13.4	21.8
Ramp Breakover Angle	15.1	18.2
Departure Angle	18.8	22.3

CREW CAB 169.5"WB 8' 0" BOX SRW	4x2	4x4
Wheelbase	169.4	168.9
Track Width – Front	68.6	68.3
Track Width – Rear	68.2	68.2
Overall Length	259.4	259.4
Overall Width @ SgRP Front	79.1	79.1
Overall Height	73.5	77.6
Suspension or Axle to Ground – Front	7.1	7.3
Suspension or Axle to Ground – Rear	7.3	7.2
Approach Angle	13.4	21.7
Ramp Breakover Angle	14.1	16.5
Departure Angle	18.0	21.4



MEGA CAB 160.5"WB 6' 4" BOX SRW	4x2	4x4
Wheelbase	160.5	160.0
Track Width – Front	68.6	68.3
Track Width – Rear	68.2	68.2
Overall Length	248.4	248.4
Overall Width @ SgRP Front	79.1	79.1
Overall Height	74.1	78.3
Suspension or Axle to Ground – Front	7.8	8.1
Suspension or Axle to Ground – Rear	7.8	7.7
Approach Angle	14.0	23.9
Ramp Breakover Angle	15.8	18.3
Departure Angle	19.1	23.0

Cargo Box		
Nominal Box Size	6 ft. 4 in. (Crew or Mega)	8 ft. (Regular or Crew)
SAE Volume, cu. ft. (cu m)	57.5 (1.6)	74.7 (2.1)
Length at Floor, Tailgate Closed – in. (mm)	76.3 (1938.5)	98.3 (2496.5)
Cargo Width – in. (mm)	66.4 (1686.9)	66.4 (1686.9)
Distance Between Wheelhouses – in. (mm)	51 (1295.4)	51 (1295.4)
Depth – in. (mm)	20.1 (511.1)	20.2 (513.2)
Tailgate Opening Width in. – (mm)	60.4 (1535.3)	60.4 (1535.3)

ACCOMMODATIONS

Model			
	Regular Cab	Crew Cab	Mega Cab®
Seating Capacity, F/R	3/0 or 2/0	3/3 or 2/3	3/3 or 2/3
Front			
Head Room – in. (mm)	39.9 (1013.5)	41.0 (1040.5)	41.0 (1040.5)
Legroom – in. (mm)	41 (1041.4)	41 (1041.4)	41 (1041.4)
Shoulder Room – in. (mm)	66 (1676.4)	66 (1676.4)	66 (1676.4)
Hip Room – in. (mm)	62.9 (1598.7)	63.2 (1605.3)	63.2 (1605.3)
Seat Travel – in. (mm)	9.0 (230.0)	9.0 (230.0)	9.0 (230.0)
Recliner Range (degrees)	85° (38 rwd, 47 fwd)	56° (38 rwd, 18 fwd)	56° (38 rwd, 18 fwd)
Rear			
Head Room – in. (mm)	N/A	39.9 (1013.5)	40.3 (1023.6)
Legroom – in. (mm)	N/A	40.3 (1023.3)	43.3 (1099.5)
Shoulder Room – in. (mm)	N/A	65.7 (1668.8)	65.7 (1668.8)
Hip Room – in. (mm)	N/A	63.2 (1605.3)	63.2 (1605.3)
Interior Volume			
Front – cu. ft. (cu m)	62.5 (1.8)	64.2 (1.8)	64.2 (1.8)
Rear – cu. ft. (cu m)	N/A	61.1 (1.7)	66.3 (1.9)



BODY AND CHASSIS

Model	2WD	4WD
Layout	Longitudinal, front engine	Longitudinal, front engine, transfer case
Construction	Ladder-type frame, steel cab, double-wall steel pickup box	Ladder-type frame, steel cab, double-wall steel pickup box

SUSPENSION

Model	2WD	4WD
Front	Upper and lower "A" arms, coil springs, stabilizer bar	Five-link with track bar, coil springs, stabilizer bar, solid axle
Rear	Hotchkiss leaf spring suspension, solid axle	Hotchkiss leaf spring suspension, solid axle

STEERING

Regular Cab Pickup

Model	2WD	4WD
Box Length	Long	Long
Wheelbase (nominal) – in. (mm)	140.5	140.0
Turning Diameter – ft. (m) ^(a)	45.1	41.6

Crew Cab® Pickup

Model	2WD	2WD	4WD	4WD
Box Length	Short	Long	Short	Long
Wheelbase (nominal) – in. (mm)	149.4	169.4	148.9	168.9
Turning Diameter –ft. (m) ^(a)	47.5	53.2	43.9	49.2

Mega Cab Pickup

Model	2WD	4WD
Wheelbase (nominal) – in. (mm)	160.5	160.0
Turning Diameter – ft. (m) ^(a)	50.67	46.86

(a) Turning diameter is measured at the outside of the tires at curb height. Turning diameters and steering wheel turns, lock-to-lock may differ with optional tires and wheels.

BRAKES

Front	
Size and Type – in. (mm)	Rotors 14.17 x 1.54-in. disc with twin-piston pin-slider caliper and ABS
Rear	
Size and Type – in. (mm)	Rotors 14.09 x 1.34-inch disc with twin-piston pin-slider caliper and ABS
Power-assist Type	Dual-rate, tandem diaphragm vacuum (gas) Hydro-boost (diesel)



2013 RAM 3500 HEAVY DUTY DIMENSIONS AND CAPACITIES

REGULAR CAB 140.5"WB 8' 0" BOX DRW	4x2	4x4
Wheelbase	140.0	140.4
Track Width – Front	68.6	69.5
Track Width – Rear	75.8	75.8
Overall Length	230.4	230.4
Overall Width @ SgRP Front	78.9	78.9
Overall Height	76.9	78.5
Suspension or Axle to Ground – Front	6.5	8.5
Suspension or Axle to Ground – Rear	7.9	7.9
Approach Angle	19.1	23.6
Ramp Breakover Angle	17.2	19.7
Departure Angle	23.2	23.8
CREW CAB 149.5"WB 6' 4" BOX SRW	4x2	4x4
Wheelbase	148.9	149.3
Track Width – Front	67.7	67.7
Track Width – Rear	67.1	67.1
Overall Length	237.3	237.3
Overall Width @ SgRP Front	79.1	79.1
Overall Height	78.4	79.8
Suspension or Axle to Ground – Front	7.3	9.2
Suspension or Axle to Ground – Rear	8.6	8.6
Approach Angle	20.9	25.1
Ramp Breakover Angle	20.8	21.3
Departure Angle	24.8	25.6
CREW CAB 169.5"WB 8' 0" BOX SRW	4x2	4x4
Wheelbase	168.9	169.3
Track Width – Front	67.7	67.7
Track Width – Rear	67.1	67.1
Overall Length	259.3	259.3
Overall Width @ SgRP Front	79.1	79.1
Overall Height	78.2	79.6
Suspension or Axle to Ground – Front	7.3	9.1
Suspension or Axle to Ground – Rear	8.6	8.6
Approach Angle	21.0	25.1
Ramp Breakover Angle	19.5	19.3
Departure Angle	23.7	24.4



CREW CAB 169.5"WB 8' 0" BOX DRW	4x2	4x4
Wheelbase	168.9	169.3
Track Width – Front	68.6	69.5
Track Width – Rear	75.8	75.8
Overall Length	259.3	259.3
Overall Width @ SgRP Front	79.1	79.1
Overall Height	77.4	78.9
Suspension or Axle to Ground – Front	6.4	8.4
Suspension or Axle to Ground – Rear	7.9	7.9
Approach Angle	19.2	23.6
Ramp Breakover Angle	14.6	16.9
Departure Angle	22.9	23.6
MEGA CAB 160.5"WB 6' 4" BOX SRW	4x2	4x4
Wheelbase	160.0	160.4
Track Width – Front	67.7	67.7
Track Width – Rear	67.1	67.1
Overall Length	248.4	248.4
Overall Width @ SgRP Front	79.1	79.1
Overall Height	78.3	79.7
Suspension or Axle to Ground – Front	7.3	9.1
Suspension or Axle to Ground – Rear	8.6	8.7
Approach Angle	20.9	25.1
Ramp Breakover Angle	20.1	20.1
Departure Angle	24.7	25.5
MEGA CAB 160.5"WB 6' 3" BOX DRW	4x2	4x4
Wheelbase	160.0	160.4
Track Width – Front	68.6	69.5
Track Width – Rear	75.8	75.8
Overall Length	248.4	248.4
Overall Width @ SgRP Front	79.1	79.1
Overall Height	77.5	79.0
Suspension or Axle to Ground – Front	6.4	8.4
Suspension or Axle to Ground – Rear	7.9	7.8
Approach Angle	19.1	23.6
Ramp Breakover Angle	15.2	17.6
Departure Angle	23.9	24.6



Cargo Box

Nominal Box Size	6 ft. 4 in (Crew or Mega)	8 ft. (Regular or Crew)
SAE Volume, cu. ft. (cu m)	57.5 (1.6)	74.7 (2.1)
Length at Floor, Tailgate Closed – in. (mm)	76.3 (1938.5)	98.3 (2496.5)
Cargo Width – in. (mm)	66.4 (1686.9)	66.4 (1686.9)
Distance Between Wheelhouses – in. (mm)	51 (1295.4)	51 (1295.4)
Depth – in. (mm)	20.1 (511.1)	20.2 (513.2)
Tailgate Opening Width in. – (mm)	60.4 (1535.3)	60.4 (1535.3)

ACCOMMODATIONS

Model	Regular Cab	Crew Cab	Mega Cab®
Seating Capacity, F/R	3/0 or 2/0	3/3 or 2/3	3/3 or 2/3
Front			
Head Room – in. (mm)	39.9 (1013.5)	41.0 (1040.5)	41.0 (1040.5)
Legroom – in. (mm)	41 (1041.4)	41 (1041.4)	41 (1041.4)
Shoulder Room – in. (mm)	66 (1676.4)	66 (1676.4)	66 (1676.4)
Hip Room – in. (mm)	62.9 (1598.7)	63.2 (1605.3)	63.2 (1605.3)
Seat Travel – in. (mm)	9.0 (230.0)	9.0 (230.0)	9.0 (230.0)
Recliner Range (degrees)	85° (38 rwd, 47 fwd)	56° (38 rwd, 18 fwd)	56° (38 rwd, 18 fwd)
Rear			
Head Room – in. (mm)	N/A	39.9 (1013.5)	40.3 (1023.6)
Legroom – in. (mm)	N/A	40.3 (1023.3)	43.3 (1099.5)
Shoulder Room – in. (mm)	N/A	65.7 (1668.8)	65.7 (1668.8)
Hip Room – in. (mm)	N/A	63.2 (1605.3)	63.2 (1605.3)
Interior Volume			
Front – cu. ft. (cu m)	62.5 (1.8)	64.2 (1.8)	64.2 (1.8)
Rear – cu. ft. (cu m)	N/A	61.1 (1.7)	66.3 (1.9)

BODY AND CHASSIS

Model	2WD	4WD
Layout	Longitudinal, front engine	Longitudinal, front engine, transfer case
Construction	Ladder-type frame, steel cab, double-wall steel pickup box	Ladder-type frame, steel cab, double-wall steel pickup box

SUSPENSION

Model	2WD	4WD
Front	Upper and lower "A" arms, coil springs, stabilizer bar	Five-link with track bar, coil springs, stabilizer bar, solid axle
Rear	Hotchkiss leaf spring suspension, solid axle	Hotchkiss leaf spring suspension, solid axle



STEERING

Regular Cab Pickup

Model	2WD	4WD
Box Length	Long	Long
Wheelbase (nominal) – in. (mm)	140.5	140.5
Turning Diameter – ft. (m) ^(a)	45.1	41.6

Crew Cab® Pickup

Model	2WD	2WD	4WD	4WD
Box Length	Short	Long	Short	Long
Wheelbase (nominal) – in. (mm)	149.5	169.5	149.5	169.5
Turning Diameter – ft. (m) ^(a)	47.5	53.2	43.9	49.2

Mega Cab Pickup

Model	2WD	4WD
Wheelbase (nominal) – in. (mm)	160.5	160.5
Turning Diameter – ft. (m) ^(a)	50.67	46.86

(a) Turning diameter is measured at the outside of the tires at curb height. Turning diameters and steering wheel turns, lock-to-lock may differ with optional tires and wheels.

BRAKES

Front

Size and Type – in. (mm)	Rotors 14.17 x 1.54-in. disc with twin-piston pin-slider caliper and ABS
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Rear

Size and Type – in. (mm)	Rotors 14.09 x 1.34-in. disc with twin-piston pin-slider caliper and ABS
Power-assist type	Dual-rate, tandem diaphragm vacuum (gas) Hydro-boost (diesel)

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