



2011 RAM 2500/3500 HD SPECIFICATIONS

2011 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

Body Styles	Regular Cab, Crew Cab and Mega Cab
Assembly Plants	Saltillo Assembly Plant - Coahuila, Mexico
EPA Vehicle Class	Standard Pickup
Introduction Date	2009 Model Year, all-new Regular Cab models introduced

ENGINE: 5.7-LITER HEMI® V-8

Availability	Standard on 2500 Series Models ^(a)
Type and Description	Eight-cylinder, 90-degree V-8, liquid-cooled with variable-valve timing (VVT)
Displacement	343 cu. in. (5654 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	9.6:1
Power (SAE net)	383 bhp (286 kW) @ 5,600 rpm, 2500 series ^(b)
Torque (SAE net)	400 lb.-ft. (542 N•m) @ 4,000 rpm, 2500 series
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. (6.6L)
Coolant Capacity	18.7 qt. (17.7L)
Emission Control	Dual three-way catalytic converters, internal engine features with knock sensors ^(b)
Emission Control	Dual three-way catalytic converters, internal engine features with knock sensors ^(b)

(a) Not available on 3500 Series models.

(b) All manual transmission equipped vehicles meet LEV I chassis-certified emission requirements in California, New York, Massachusetts, Maine and Vermont. Meets Tier 2 HDV 1, 2 chassis-certified emission requirements in 45 remaining states. Ram 2500 and 3500 models equipped with automatic transmission and sold in 45 states meet Tier 2 HDV 1, 2 chassis-certified emission requirements. Ram 2500 models equipped with automatic transmission and sold in California, New York, Massachusetts, Maine and Vermont meet LEV II—MDV 1 category chassis-certified emission requirements. Ram 3500 models equipped with automatic transmission and sold in California, New York, Massachusetts, Maine and Vermont meet LEV II—MDV 2 category chassis-certified emission requirements.



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ENGINE: 6.7-LITER HIGH OUTPUT CUMMINS® TURBO DIESEL I-6

Availability	Standard on 3500 Series
Type and Description	Six-cylinder, inline, liquid-cooled, turbocharged, intercooled
Displacement	408 cu. in. (6690 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	17.3:1
Power (SAE net)	350 bhp (261 kW) @ 3,000 rpm
Torque (Manual SAE net)	650 lb.-ft. (881 N•m) @ 1,500 rpm
Torque (Automatic SAE net)	800 lb.-ft. (881 N•m) @ 1,500 rpm
Maximum High-idle Engine Speed	3,500 rpm
Fuel Requirement	Ultra low sulfur diesel
Oil Capacity	12.0 qt. (11.3L) with filter
Coolant Capacity	29.5 qt. (28.0L)
Emission Controls	No diesel exhaust fluid required

ELECTRICAL SYSTEM

Alternator	
Availability	Standard—All
Rating	160-amp
Availability	Optional
Rating	180-amp included with Snow Plow Prep Package
Battery	
Availability	Standard—2500 and 3500 with gasoline engines
Description	Group 65, maintenance-free, 600 CCA
Availability	Standard—All with diesel engines; included in Heavy Duty Snow Plow and Trailer-tow Groups
Description	Group 65, maintenance-free, 750 CCA

TRANSMISSION: G56—MANUAL SIX-SPEED OVERDRIVE

Availability	Standard with 6.7-liter High-output Diesel
Description	Synchronized in all gears
Gear Ratios (6.7L Diesel)	
1st	5.94
2nd	3.28
3rd	1.98
4th	1.31
5th	1.0
6th	0.74
Reverse	5.42



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TRANSMISSION: 545RFE—AUTOMATIC FIVE-SPEED

Availability	Standard with 5.7-liter engines on 2500 series models
Description	Three planetary gear sets, one overrunning clutch, full electronic control, electronically controlled converter clutch
Gear Ratios	
1st	3
2nd	1.67—upshift; 1.50—kickdown
3rd	1
4th	0.75
5th	0.67
Reverse	3
Overall Top Gear	2.50 with 3.73 axle ratio; 2.75 with 4.10 axle ratio; 2.14 with 3.42 axle ratio

TRANSMISSION: 68RFE—AUTOMATIC SIX-SPEED

Availability	Optional with 6.7L Cummins Turbo Diesel engine
Description	Three planetary gear-sets, one overrunning clutch, full electronic control, electronically controlled converter clutch
Gear Ratios	
1st	3.231
2nd	1.837
3rd	1.41
4th	1
5 th	0.816
6 th	0.625
Reverse	4.444
Overall Top Gear	2.33 with 3.73 axle ratio; 2.56 with 4.10 axle ratio

TRANSFER CASES: NV271/NV273

Availability	NV271—Standard 4WD ST NV273—Standard Laramie; Optional SLT
Type	Part-time
Operating Modes	2WD; 4WD High; Neutral; 4WD Low
Shift Mechanism	NV271—manual; NV273—electric
Low-range Ratio	2.72
Center Differential	None



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2011 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	16.4	18.1
Ramp Breakover Angle	16.5	16.9
Departure Angle	22.8	27.6

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	12.5	21.8
Ramp Breakover Angle	15.1	18.2
Departure Angle	23.7	27.0

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	12.5	21.8
Ramp Breakover Angle	14.1	16.5
Departure Angle	22.7	25.9



2011 RAM 2500/3500 HD SPECIFICATIONS

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	23.4
Ramp Breakover Angle	15.8	18.3
Departure Angle	24.2	27.6

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 (510.5)	20.2 (513.2)
Tailgate Opening Width in. – (mm)	60.4 (1535.3)	60.4 (1535.3)

ACCOMMODATIONS

<i>Model</i>	<i>Regular Cab</i>	<i>Crew Cab</i>	<i>Mega Cab®</i>
Seating Capacity, F/R	3/0 or 2/0	3/3 or 2/3	3/3 or 2/3
Front			
Head Room – in. (mm)	40.3 (1022.6)	41.0 (1040.5)	41.0 (1040.5)
Legroom – in. (mm)	41 (1041.3)	41 (1041.3)	41 (1041.3)
Shoulder Room – in. (mm)	66 (1676.4)	66 (1676.5)	66 (1676.5)
Hip Room – in. (mm)	62.9 (1676.4)	63.2 (1604.6)	63.2 (1604.6)
Seat Travel – in. (mm)	7.1 (179.2)	7.1 (179.2)	7.1 (179.2)
Recliner Range (degrees)	14°	42°	42°
Rear			
Head Room – in. (mm)	N/A	39.9 (1013.5)	39.7 (1007.3)
Legroom – in. (mm)	N/A	40.3 (1023.6)	34.7 (881.4)
Shoulder Room – in. (mm)	N/A	65.7 (1670)	65.7 (1670)
Hip Room – in. (mm)	N/A	63.2 (1605.2)	62.9 (1598.3)
Interior Volume			
Front – cu. ft. (cu m)	63.0 (1.8)	64.2 (1.8)	64.2 (1.8)
Rear – cu. ft. (cu m)	N/A	61.1 (1.7)	52.4 (1.5)



2011 RAM 2500/3500 HD SPECIFICATIONS

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
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)



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2011 Ram 3500 Heavy Duty DIMENSIONS AND CAPACITIES

REGULAR CAB 140.5"WB 8' 0" BOX DRW	4x2	4x4
Wheelbase	140.5	140.0
Track Width – Front	68.6	69.5
Track Width – Rear	75.8	75.8
Overall Length	231.0	231.0
Overall Width @ SgRP Front	78.9	78.9
Overall Height	73.6	77.9
Suspension or Axle to Ground – Front	8.0	8.4
Suspension or Axle to Ground – Rear	7.6	7.7
Approach Angle	17.2	25.5
Ramp Breakover Angle	14.4	20.9
Departure Angle	23.1	26.5
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	74.2	78.4
Suspension or Axle to Ground – Front	7.8	8.1
Suspension or Axle to Ground – Rear	7.8	7.8
Approach Angle	13.9	23.4
Ramp Breakover Angle	16.3	19.4
Departure Angle	24.2	27.7
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	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	14.1	23.5
Ramp Breakover Angle	15.4	17.6
Departure Angle	23.1	26.4



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CREW CAB 169.5"WB 8' 0" BOX DRW	4x2	4x4
Wheelbase	169.4	168.9
Track Width – Front	68.6	69.5
Track Width – Rear	75.8	75.8
Overall Length	249.4	259.4
Overall Width @ SgRP Front	79.1	79.1
Overall Height	74.1	78.3
Suspension or Axle to Ground – Front	7.9	8.3
Suspension or Axle to Ground – Rear	7.6	7.6
Approach Angle	14.4	23.8
Ramp Breakover Angle	12.0	17.8
Departure Angle	22.9	26.3
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	23.4
Ramp Breakover Angle	15.8	18.3
Departure Angle	24.2	27.6
MEGA CAB 160.5"WB 6' 3" BOX DRW	4x2	4x4
Wheelbase	160.5	160.0
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	74.1	78.3
Suspension or Axle to Ground – Front	7.9	8.3
Suspension or Axle to Ground – Rear	7.6	7.5
Approach Angle	14.3	23.8
Ramp Breakover Angle	12.5	18.5
Departure Angle	23.9	27.3



2011 RAM 2500/3500 HD SPECIFICATIONS

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 (510.5)	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)	40.3 (1022.6)	41.0 (1040.5)	41.0 (1040.5)
Legroom – in. (mm)	41 (1041.3)	41 (1041.3)	41 (1041.3)
Shoulder Room – in. (mm)	66 (1676.4)	66 (1676.5)	66 (1676.5)
Hip Room – in. (mm)	62.9 (1676.4)	63.2 (1604.6)	63.2 (1604.6)
Seat Travel – in. (mm)	7.1 (179.2)	7.1 (179.2)	7.1 (179.2)
Recliner Range (degrees)	14°	42°	42°
Rear			
Head Room – in. (mm)	N/A	39.9 (1013.5)	39.7 (1007.3)
Legroom – in. (mm)	N/A	40.3 (1023.6)	34.7 (881.4)
Shoulder Room – in. (mm)	N/A	65.7 (1670)	65.7 (1670)
Hip Room – in. (mm)	N/A	63.2 (1605.2)	62.9 (1598.3)
Interior Volume			
Front – cu. ft. (cu m)	63.0 (1.8)	64.2 (1.8)	64.2 (1.8)
Rear – cu. ft. (cu m)	N/A	61.1 (1.7)	52.4 (1.5)

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



2011 RAM 2500/3500 HD SPECIFICATIONS

STEERING

Regular Cab Pickup

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

Crew Cab® Pickup

<i>Model</i>	<i>2WD</i>	<i>2WD</i>	<i>4WD</i>	<i>4WD</i>
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

<i>Model</i>	<i>2WD</i>	<i>4WD</i>
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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