

2014 Ram 4500 & 5500 Chassis Cab SPECIFICATIONS

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

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

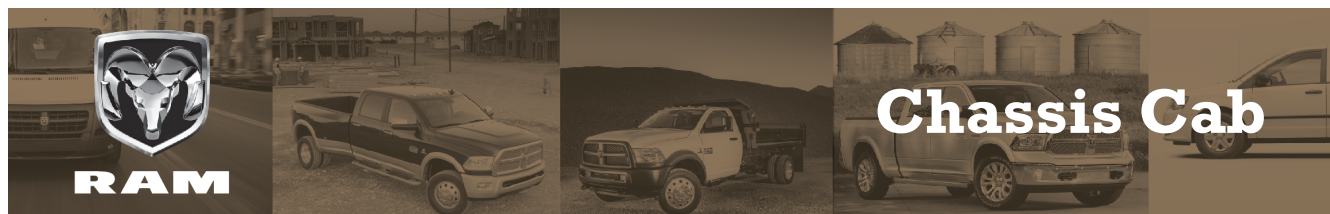
NOTE: Information shown is correct at time of publication and is subject to change.

GENERAL INFORMATION

Vehicle Type	Chassis Cab: Regular Cab and Crew Cab
Assembly Plant	Saltillo Truck Assembly Plant, Saltillo, Mexico
EPA Vehicle Class	Medium Heavy Duty
Introduction	2008 Model Year

ENGINE: 6.4-LITER HEMI® V-8

Availability	Standard
Type and Description	Eight-cylinder, 90-degree V-type, liquid-cooled, with variable-valve timing (VVT)
Displacement	392 cu. in. (6,417 cu. cm)
Bore x Stroke	4.09 x 3.72 (103.9x94.6)
Valve System	VVT, push-rod operated overhead valves (16, two-per-cylinder), eight de-activating and eight hydraulic lifters with all roller followers
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	Deep-skirt cast-iron block with cross-bolted main bear caps, 356 aluminum cylinder heads with hemispherical combustion chambers
Compression Ratio	10:1
Power (SAE gross)	370 hp (302 kW) @ 4,600 rpm
Torque (SAE gross)	429 lb.-ft. (582 N•m) at 4,000 rpm
Maximum Engine Speed	4,800 rpm limited with Aisin
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	7 qt. (6.6 liter)
Coolant Capacity	17.30 Liters
Emission Control	Three-way catalytic converters, heated oxygen sensors, cooled electronic EGR and individual cylinder fuel control

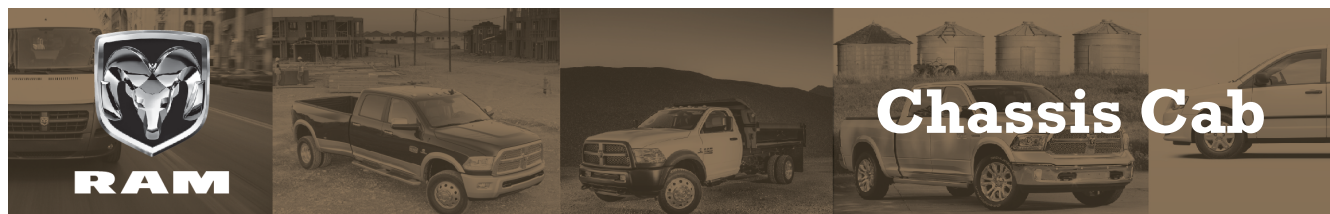


ENGINE: 6.7-LITER CUMMINS TURBO DIESEL I-6

Availability	Manual six-speed transmission
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	17.3:1
Power (SAE gross)	320 hp (239 kW) @ 2,800 rpm
Torque (SAE net)	650 lb.-ft. (881 N•m) @ 1,400 rpm
Maximum Engine Speed	3,200 rpm
Fuel Requirement	Ultra-low sulfur diesel
Oil Capacity	12.0 qt. (11.3 liter) with filter
Coolant Capacity	22.50 liters
Emission Controls	Selective Catalytic Reduction (SCR)

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

Availability	Optional with Aisin six-speed automatic
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 mm x 124 mm)
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 gross)	325 hp (242 kW) @ 2,400 rpm
Torque (SAE gross)	750 lb.-ft. (1017 N•m) @ 1,500 rpm
Maximum Engine Speed	3,200 rpm
Fuel Requirement	Ultra-low sulfur diesel
Oil Capacity	12.0 qt. (11.3 liter) with filter
Coolant Capacity	22.50 liters
Emission Controls	Selective Catalytic Reduction (SCR)

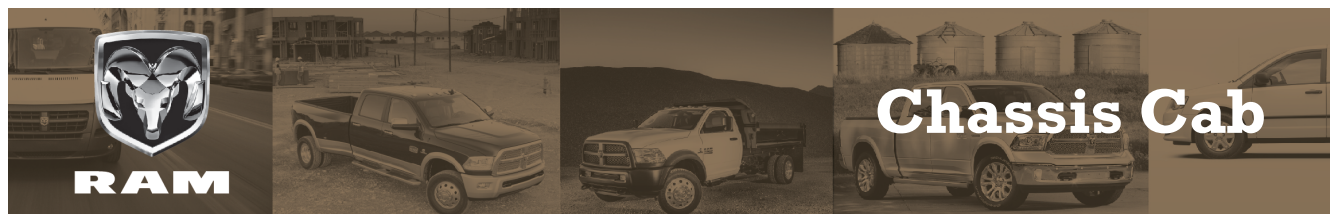


TRANSMISSION: G56 — MANUAL SIX-SPEED OVERDRIVE

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
Axle ratios	4500: 4.10, 4.44
	5500: 4.10, 4.44
PTO	Left -or right-side with split shaft capability

TRANSMISSION: AS66RC — AUTOMATIC SIX-SPEED

Availability	6.4-liter gas
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
Axle ratios	4500: 4.44, 4.88
	5500: 4.88
PTO	Left- or right-side capability



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
Axle ratios	4500: 4.10, 4.44
	5500: 4.10, 4.44 and 4.88
PTO	Left -or right-side with split shaft capability

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

Availability	Optional on 6.7-liter diesel and 6.4-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

AXLES

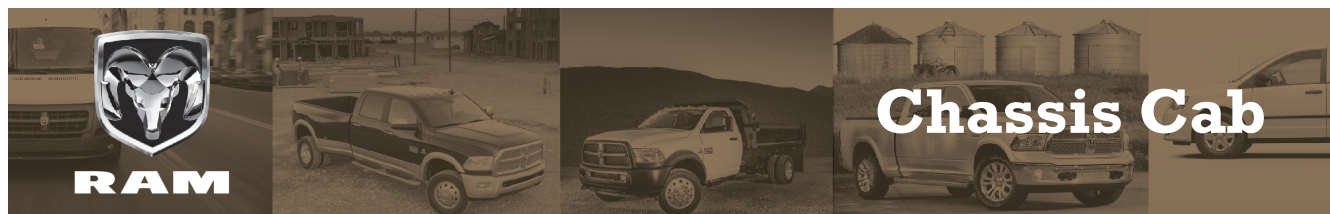
See feature availability chart

ELECTRICAL SYSTEM

See feature availability chart

SUSPENSION

Front	5-link suspension
Rear	Hotchkiss leaf spring suspension, solid axle



BRAKES

Front

Size and Type – in. (mm)	Rotors 390 x 39 vented disc with 2 x 66 caliper
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Rear

Size and Type – in. (mm)	Rotors 390 x 39 vented disc with 2 x 66 caliper
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Power-assist Type	Hydro-boost
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AIR BAGS

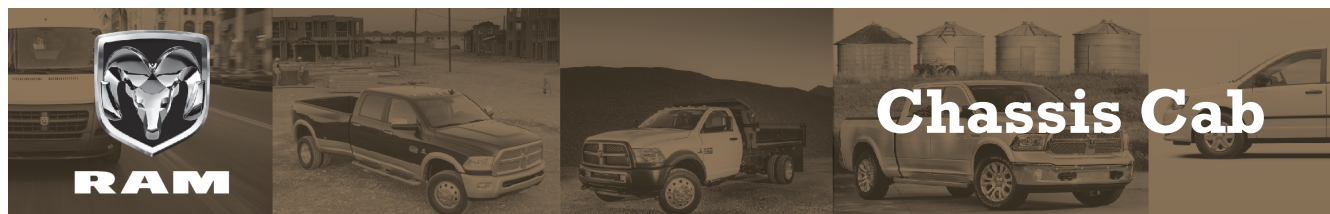
Reg Cab	2
Crew Cab	2

STEERING

Power-assist	Hydraulic assist
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DIMENSIONS AND CAPACITIES

Regular Cab 144.5-in. WB 60-in. CA DRW	4x2	4x4
Wheelbase	144.5	144.5
Turning diameter (a)	41.7	41.7
Track Width – Front	76.0	76.0
Track Width – Rear	73.6	73.6
Overall Length	234.3	234.3
Overall Width @ Single Ground Reference Point (SgRP) Front	78.9	78.9
Overall Height	80.1	80.1
Suspension or Axle to Ground – Front	10.3	8.7
Suspension or Axle to Ground – Rear	8.4	8.4
Approach Angle	28.3	28.3
Ramp Breakover Angle	23.7	23.7
Departure Angle	31.1	31.1
Regular Cab 168.5-in. WB 84-in. CA DRW	4x2	4x4
Wheelbase	168.5	168.5
Turning diameter (a)	47.95	47.95
Track Width – Front	76.0	76.0
Track Width – Rear	73.6	73.6
Overall Length	258.3	258.3
Overall Width @ Single Ground Reference Point (SgRP) Front	78.9	78.9
Overall Height	80.0	80.0

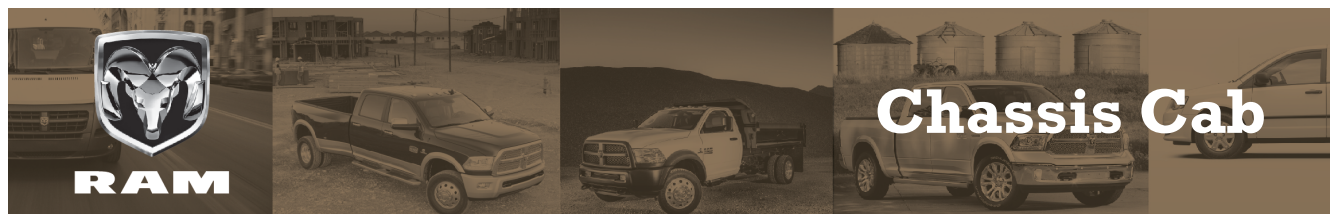


Suspension or Axle to Ground – Front	10.3	8.7
Suspension or Axle to Ground – Rear	8.4	8.4
Approach Angle	28.4	28.4
Ramp Breakover Angle	20.8	20.8
Departure Angle	31.0	31.0

Regular Cab 192.5-in. WB 108-in. CA DRW	4x2	4x4
Wheelbase	192.5	192.5
Turning diameter (a)	54.09	54.09
Track Width – Front	76.0	76.0
Track Width – Rear	73.6	73.6
Overall Length	282.3	282.3
Overall Width @ Single Ground Reference Point (SgRP) Front	78.9	78.9
Overall Height	79.9	79.9
Suspension or Axle to Ground – Front	10.3	8.8
Suspension or Axle to Ground – Rear	8.4	8.4
Approach Angle	28.5	28.5
Ramp Breakover Angle	18.2	18.2
Departure Angle	30.9	30.9

Regular Cab 204.5-in. WB 120-in. CA DRW	4x2	4x4
Wheelbase	204.5	204.5
Turning diameter (a)	57.2	57.2
Track Width – Front	76.0	76.0
Track Width – Rear	73.6	73.6
Overall Length	294.3	294.3
Overall Width @ Single Ground Reference Point (SgRP) Front	78.9	78.9
Overall Height	79.8	79.8
Suspension or Axle to Ground – Front	10.3	8.7
Suspension or Axle to Ground – Rear	8.4	8.4
Approach Angle	28.6	28.6
Ramp Breakover Angle	17.2	17.2
Departure Angle	30.8	30.8

Crew Cab 173.4-in. WB 60-in. CA DRW	4x2	4x4
Wheelbase	173.4	173.4
Turning diameter (a)	49.2	49.2
Track Width – Front	76.0	76.0
Track Width – Rear	73.6	73.6



Overall Length	263.2	263.2
Overall Width @ Single Ground Reference Point (SgRP) Front	79.1	79.1
Overall Height	80.6	80.6
Suspension or Axle to Ground – Front	10.3	8.7
Suspension or Axle to Ground – Rear	8.4	8.4
Approach Angle	28.5	28.5
Ramp Breakover Angle	20.4	20.4
Departure Angle	31.0	31.0

Crew Cab 197.4-in. WB 84-in. CA DRW	4x2	4x4
Wheelbase	197.4	197.4
Turning diameter (a)	55.7	55.7
Track Width – Front	76.0	76.0
Track Width – Rear	73.6	73.6
Overall Length	287.2	287.2
Overall Width @ Single Ground Reference Point (SgRP) Front	79.1	79.1
Overall Height	80.5	80.5
Suspension or Axle to Ground – Front	10.3	8.7
Suspension or Axle to Ground – Rear	8.4	8.4
Approach Angle	28.6	28.6
Ramp Breakover Angle	17.8	17.8
Departure Angle	30.8	30.8

(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.

Model	Regular Cab	Crew Cab
Seating Capacity, F/R	3/0 or 2/0	3/3 or 2/3
Front		
Head Room	39.9 (1,013.5)	41.0 (1,040.5)
Legroom	41 (1,041.4)	41 (1,041.4)
Shoulder Room	66 (1,676.4)	66 (1,676.4)
Hip Room	62.9 (1,598.7)	63.2 (1,605.3)
Seat Travel	9.0 (230.0)	9.0 (230.0)
Recliner Range (degrees)	85 (38 rwd, 47 fwd)	56 (38 rwd, 18 fwd)
Rear		
Head Room	N/A	39.9 (1,013.5)



Legroom	N/A	40.3 (1,023.3)
Shoulder Room	N/A	65.7 (1,668.8)
Hip Room	N/A	63.2 (1,605.3)
Interior Volume		
Front – cu. ft. (cu m)	62.5 (1.8)	64.2 (1.8)
Rear – cu. ft. (cu m)	N/A	61.1 (1.7)

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