

2012 RAM 2500/3500 HEAVY DUTY CANADIAN SPECIFICATIONS

All dimensions are in millimetres (inches) 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
EnerGuide Vehicle Class	Standard Pickup
Introduction Date	2010 Model Year, all-new Regular Cab models introduced

ENGINE: 5.7-LITRE HEMI® V8

Availability	Standard on 2500 Series Models ^(a)
Type and Description	Eight-cylinder, 90-degree V8, liquid-cooled with variable-valve timing (VVT)
Displacement	5654 cu. cm (343 cu. in.)
Bore x Stroke	99.5 x 90.9 (3.92 x 3.58)
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	383 bhp @ 5,600 rpm, 2500 series
Torque	400 lb.-ft. @ 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	6.6L (7.0 qt.)
Coolant Capacity	17.7L (18.7 qt.)
Emission Control	Dual three-way catalytic converters, internal engine features with knock sensors
Emission Control	Dual three-way catalytic converters, internal engine features with knock sensors

(a) Not available on 3500 Series models.

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

Availability	Available on 2500 Series. Standard on 3500 Series
Type and Description	Six-cylinder, inline, liquid-cooled, turbocharged, intercooled
Displacement	6690 cu. cm (408 cu. in.)

Bore x Stroke	107 x 124 (4.21 x 4.880)
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	350 bhp @ 3,000 rpm
Torque (Manual)	650 lb.-ft. @ 1,500 rpm
Torque (Automatic)	800 lb.-ft. @ 1,500 rpm
Maximum High-idle Engine Speed	3,500 rpm
Fuel Requirement	Ultra low sulfur diesel
Oil Capacity	11.3L (12.0 qt.) with filter
Coolant Capacity	28.0L (29.5 qt.)
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	maintenance-free, 730 CCA

TRANSMISSION: G56—MANUAL SIX-SPEED OVERDRIVE

Availability	Standard with 6.7-litre 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

TRANSMISSION: 66RFE—AUTOMATIC SIX-SPEED

Availability	Standard with 5.7-litre engines on 2500 series models
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; 2.85 with 4.56 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
Centre Differential	None

2012 Ram 2500 Heavy Duty CANADIAN DIMENSIONS AND CAPACITIES

REGULAR CAB 140.5"WB 8' 0" BOX SRW	4x2 (inches)	4x4 (inches)
Wheelbase	3569.9 (140.5)	3556.0 (140.0)
Track Width – Front	1742.4 (68.6)	1734.8 (68.3)
Track Width – Rear	1732.2 (68.2)	1732.2 (68.2)
Overall Length	5867.4 (231.0)	5867.4 (231.0)
Overall Width @ SgRP Front	2004.1 (78.9)	2004.1 (78.9)
Overall Height	1861.8 (73.3)	1922.7 (75.7)
Suspension or Axle to Ground – Front	193.0 (7.6)	190.5 (7.5)
Suspension or Axle to Ground – Rear	187.9 (7.4)	187.9 (7.4)
Approach Angle	16.4	18.1
Ramp Breakover Angle	16.5	16.9
Departure Angle	22.	27.6

CREW CAB 149.5"WB 6' 4" BOX SRW	4x2	4x4
Wheelbase	3794.7 (149.4)	3782.1 (148.9)
Track Width – Front	1742.4 (68.6)	1734.8 (68.3)
Track Width – Rear	1732.2 (68.2)	1732.2 (68.2)
Overall Length	6029.6 (237.4)	6029.6 (237.4)
Overall Width @ SgRP Front	2009.1 (79.1)	2009.1 (79.1)
Overall Height	1871.9 (73.7)	1973.5 (77.7)
Suspension or Axle to Ground – Front	180.3 (7.1)	187.9 (7.4)
Suspension or Axle to Ground – Rear	185.4 (7.3)	180.3 (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	4302.7 (169.4)	4290.1 (168.9)
Track Width – Front	1742.1 (68.6)	1734.8 (68.3)
Track Width – Rear	1732.2 (68.2)	1732.2 (68.2)
Overall Length	6588.7 (259.4)	6588.7 (259.4)
Overall Width @ SgRP Front	2009.1 (79.1)	2009.1 (79.1)
Overall Height	1871.9 (73.7)	1971.0 (77.6)
Suspension or Axle to Ground – Front	180.3 (7.1)	185.4 (7.3)
Suspension or Axle to Ground – Rear	185.4 (7.3)	182.8 (7.2)
Approach Angle	12.5	21.8
Ramp Breakover Angle	14.1	16.5
Departure Angle	22.7	25.9

MEGA CAB 160.5"WB 6' 4" BOX SRW	4x2 (inches)	4x4 (inches)
Wheelbase	4076.7 (160.5)	4064.0 (160.0)
Track Width – Front	1742.1 (68.6)	1734.8 (68.3)
Track Width – Rear	1732.2 (68.2)	1732.2 (68.2)
Overall Length	6309.3 (248.4)	6309.3 (248.4)
Overall Width @ SgRP Front	2009.1 (79.1)	2009.1 (79.1)
Overall Height	1882.1 (74.1)	1988.8 (78.3)
Suspension or Axle to Ground – Front	198.2 (7.8)	205.7 (8.1)
Suspension or Axle to Ground – Rear	198.2 (7.8)	195.5 (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)
Volume, L (cu. ft.)	1,628 (57.5)	2,115 (74.7)
Length at Floor, Tailgate Closed	1938.5 (76.3)	2496.5 (98.3)
Cargo Width	1686.9 (66.4)	1686.9 (66.4)
Distance Between Wheelhouses)	1295.4 (51)	1295.4 (51)
Depth	510.5 (20.1)	513.2 (20.2)
Tailgate Opening Width in.	1535.3 (60.4)	1535.3 (60.4)

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	(1022.6) (40.3)	(1040.5) 41.0	(1040.5) 41.0
Legroom	(1041.3) (41)	(1041.3) 41	(1041.3) 41
Shoulder Room	(1676.4) 66	(1676.5) 66	(1676.5) 66
Hip Room	(1676.4) 62.9	(1604.6) 63.2	(1604.6) 63.2
Seat Travel	(179.2) 7.1	(179.2) 7.1	(179.2) 7.1
Recliner Range (degrees)	14°	42°	42°

Rear			
Head Room	N/A	1013.5 (39.9)	1007.3 (39.7)
Legroom	N/A	1023.6 (40.3)	881.4 (34.7)
Shoulder Room	N/A	1670 (65.7)	1670 (65.7)
Hip Room	N/A	1605.2 (63.2)	1598.3 (62.9)

Interior Volume			
Front –L (cu. ft.)	1,784 (63.0)	1,818 (64.2)	1,818 (64.2)
Rear – L (cu. ft.)	N/A	1,730 (61.1)	1,535 (52.4)

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)	(3568.7) 140.5	(3568.7)140.5
Turning Diameter – m (ft.) ^(a)	(13.7) 45.1	(12.7) 41.6

Crew Cab® Pickup

Model	2WD	2WD	4WD	4WD
Box Length	Short	Long	Short	Long
Wheelbase (nominal)	3797.3 (149.5)	4305.3 (169.5)	3797.3 (149.5)	4305.3 (169.5)
Turning Diameter – m (ft.) ^(a)	14.5 (47.5)	16.2 (53.2)	13.3 (43.9)	14.9 (49.2)

Mega Cab Pickup

Model	2WD	4WD
Wheelbase (nominal)	4076.7 (160.5)	4076.7 (160.5)
Turning Diameter – m (ft.) ^(a)	15.4 (50.67)	14.3 (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 (359.9 x 39.1) disc with twin-piston pin-slider caliper and ABS
Rear	
Size and Type in. (mm)	Rotors 14.09 x 1.34-inch (357.9 x 34.03) disc with twin-piston pin-slider caliper and ABS
Power-assist Type	Dual-rate, tandem diaphragm vacuum (gas) Hydro-boost (diesel)

2012 Ram 3500 Heavy Duty CANADIAN DIMENSIONS AND CAPACITIES

REGULAR CAB 140.5"WB 8' 0" BOX DRW	4x2 (inches)	4x4 (inches)
Wheelbase	3569.9 (140.5)	3556.0 (140.0)
Track Width – Front	1742.1 (68.6)	1765.3 (69.5)
Track Width – Rear	2001.5 (75.8)	2001.5 (75.8)
Overall Length	5867.4 (231.0)	5867.4 (231.0)
Overall Width @ SgRP Front	2004.6 (78.9)	2004.6 (78.9)
Overall Height	1869.4 (73.6)	1979.4 (77.9)
Suspension or Axle to Ground – Front	203.2 (8.0)	213.3 (8.4)
Suspension or Axle to Ground – Rear	193.0 (7.6)	195.5 (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	3794.7 (149.4)	3782.1 (148.9)
Track Width – Front	1742.1 (68.6)	1734.8 (68.3)
Track Width – Rear	1732.2 (68.2)	1732.2 (68.2)
Overall Length	6029.6 (237.4)	6029.6 (237.4)
Overall Width @ SgRP Front	2009.1 (79.1)	2009.1 (79.1)
Overall Height	1884.6 (74.2)	1991.3 (78.4)
Suspension or Axle to Ground – Front	198.1 (7.8)	205.7 (8.1)
Suspension or Axle to Ground – Rear	198.1 (7.8)	198.1 (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	(4302.7) 169.4	(4290.0) 168.9
Track Width – Front	(1742.4) 68.6	(1734.8) 68.3
Track Width – Rear	(1732.2) 68.2	(1732.2) 68.2
Overall Length	(6588.7) 259.4	(6588.7) 259.4
Overall Width @ SgRP Front	(2009.1) 79.1	(2009.1) 79.1
Overall Height	(1882.1) 74.1	(1988.8) 78.3
Suspension or Axle to Ground – Front	(198.1) 7.8	(205.7) 8.1
Suspension or Axle to Ground – Rear	(198.1) 7.8	(195.5) 7.7
Approach Angle	14.1	23.5
Ramp Breakover Angle	15.4	17.6
Departure Angle	23.1	26.4

CREW CAB 169.5"WB 8' 0" BOX DRW	4x2 (inches)	4x4 (inches)
Wheelbase	4302.7 (169.4)	4290.0 (168.9)
Track Width – Front	1742.4 (68.6)	1765.3 (69.5)
Track Width – Rear	1925.3 (75.8)	1925.3 (75.8)
Overall Length	6334.7 (249.4)	6588.7 (259.4)
Overall Width @ SgRP Front	2009.1 (79.1)	2009.1 (79.1)
Overall Height	1882.1 (74.1)	1988.2 (78.3)
Suspension or Axle to Ground – Front	200.6 (7.9)	210.8 (8.3)
Suspension or Axle to Ground – Rear	193.0 (7.6)	193.0 (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	4076.7 (160.5)	4064.0 (160.0)
Track Width – Front	1742.4 (68.6)	1735 (68.3)
Track Width – Rear	1732.2 (68.2)	1732.2 (68.2)
Overall Length	6309.3 (248.4)	6309.3 (248.4)
Overall Width @ SgRP Front	2009.1 (79.1)	2009.1 (79.1)
Overall Height	1882.1 (74.1)	1988.2 (78.3)
Suspension or Axle to Ground – Front	198.1 (77.8)	205.7 (8.1)
Suspension or Axle to Ground – Rear	198.1 (7.8)	195.5 (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	4076.7 (160.5)	4064.0 (160.0)
Track Width – Front	1742.4 (68.6)	1765.3 (69.5)
Track Width – Rear	75.8 (75.8)	75.8 (75.8)
Overall Length	6309.3 (248.4)	6309.3 (248.4)
Overall Width @ SgRP Front	2009.1 (79.1)	2009.1 (79.1)
Overall Height	1882.1 (74.1)	1988.2 (78.3)
Suspension or Axle to Ground – Front	200.6 (7.9)	210.8 (8.3)
Suspension or Axle to Ground – Rear	193.0 (7.6)	190.5 (7.5)
Approach Angle	14.3	23.8
Ramp Breakover Angle	12.5	18.5
Departure Angle	23.9	27.3

Cargo Box

Nominal Box Size	6 ft 4 in (Crew or Mega)	8 ft (Regular or Crew)
Volume, L (cu. ft.)	1628 (57.5)	2115 (74.7)
Length at Floor, Tailgate Closed	1938.5 (76.3)	2496.5 (98.3)
Cargo Width	1686.9 (66.4)	1686.9 (66.4)
Distance Between Wheelhouses	1295.4 (51)	1295.4 (51)
Depth	510.5 (20.1)	513.2 (20.2)
Tailgate Opening Width in.	1535.3 (60.4)	1535.3 (60.4)

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	1022.6 (40.3)	1040.5 (41.0)	1040.5 (41.0)
Legroom	1041.3 (41)	1041.3 (41)	1041.3 (41)
Shoulder Room	1676.4 (66)	1676.5 (66)	1676.5 (66)
Hip Room	1676.4 (62.9)	1604.6 (63.2)	1604.6 (63.2)
Seat Travel	179.2 (7.1)	179.2 (7.1)	179.2 (7.1)
Recliner Range (degrees)	14°	42°	42°
Rear			
Head Room	N/A	1013.5 (39.9)	1007.3 (39.7)
Legroom	N/A	1023.6 (40.3)	881.4 (34.7)
Shoulder Room	N/A	1670 (65.7)	1670 (65.7)
Hip Room	N/A	1605.2 (63.2)	1598.3 (62.9)
Interior Volume			
Front – L (cu. ft.)	1784 (63.00)	1817 (64.2)	1817 (64.2)
Rear – L (cu. ft.)	N/A	1730 (61.1)	1484 (52.4)

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)	3568.7 (140.5)	3568.7 (140.5)
Turning Diameter – m (ft.) ^(a)	13.7 (45.1)	12.7 (41.6)

Crew Cab® Pickup

Model	2WD	2WD	4WD	4WD
Box Length	Short	Long	Short	Long
Wheelbase (nominal) – mm (in.)	3797.3 (149.5)	4305.3 (169.5)	3797.3 (149.5)	4305.3 (169.5)
Turning Diameter – m (ft.) ^(a)	14.5 (47.5)	16.2 (53.2)	13.3 (43.9)	14.9 (49.2)

Mega Cab Pickup

Model	2WD	4WD
Wheelbase (nominal) – in. (mm)	4076.7(160.5)	(4076.7)160.5
Turning Diameter – m (ft.) ^(a)	15.4 (50.67)	14.3 (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. (359.9 x 39.1) 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. (357.9 x 34.03) disc with twin-piston pin-slider caliper and ABS
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Power-assist type	Dual-rate, tandem diaphragm vacuum (gas) Hydro-boost (diesel)
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