2012 RAM 1500 CANADIAN SPECIFICATIONS

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

GENERAL INFORMATION

Body Styles	Regular Cab, Quad Cab [®] , and Crew Cab
Assembly Plant	Regular Cab: Saltillo Truck Assembly, Saltillo, (Mexico) Quad Cab: Warren Truck Assembly Plant, Warren, Mich.(USA) Crew Cab: Warren Truck Assembly Plant, Warren, Mich.(USA)
Vehicle Class	Standard Pickup
Introduction Date	2009 Model Year, all-new Regular, Quad and Crew Cab models introduced

ENGINE: 3.7-LITRE SOHC 12-VALVE SMPI V6

Availability	Standard —4X2 Regular and 2WD Quad Cab		
Type and Description	90-degree V-6, liquid-cooled with balance shaft		
Displacement	3701 cu. cm (226 cu. in.)		
Bore x Stroke	93.0 mm x 90.8 mm (3.66 in. x 3.57 in.)		
Valve System	Chain-driven SOHC, 12 valves, normally open check-in valve lash adjusters		
Fuel Injection	Sequential, multi-port, electronic, returnless		
Construction	Cast-iron block and bedplate, aluminum alloy heads, balance shaft		
Compression Ratio	9.7:1		
Power	215 hp @ 5,200 rpm		
Torque	235 lbft. @ 4,000 rpm		
Max. Engine Speed	6,000 rpm (electronically limited)		
Fuel Requirement	Unleaded regular, 87 octane (R + M)/2		
Oil Capacity	4.7L (5.0 qt.)		
Coolant Capacity	10.71L (11.3 qt)		
Emission Controls	Three-way catalytic converters and internal engine features		
Estimated 2011 EnerGuide Fuel Economy mpg (City/Hwy) L/100 km (mpg)	4X2: 14.8/10.0 (19/28)		

ENGINE: 4.7-LITRE SOHC 16-VALVE SMPI V8

Availability	Standard — all 4X4 and Crew Cab
Type and Description	90-degree V8, liquid-cooled
Displacement	4701 cu. cm (287 cu. in.)
Bore x Stroke	93.0 mm x 86.5 mm (3.66 in. x 3.40 in.)
Valve System	Chain-driven SOHC, 16 valves, normally open check-valve lash adjusters
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Cast-iron block, aluminum alloy heads
Compression Ratio	9.8:1
Power	310 hp @ 5,650 rpm

330 lbft. @ 3,950 rpm
6,000 rpm (electronically limited)
Unleaded regular, 87 octane (R+M)/2, E85-compatible
5.7L (6.0 qt.)
10.23L (10.8 qt)
Three-way catalytic converters, heated oxygen sensors, electronic EGR and internal engine features ^(a)
4X2 15.6/10.8 (18/26) 4X4 16.7/11.4 (17/25)

⁽a) Flexible fuel version available to fleet customers.

ENGINE: 5.7-LITRE HEMI® 16-VALVE V8

Availability	Standard — all Tradesman, Express, Big Horn, Sport, Laramie and Laramie Longhorn models Optional—all other models	
Type and Description	90-degree V8, liquid-cooled	
Displacement	5654 cu. cm (345 cu. in.)	
Bore x Stroke	99.5 mm x 90.9 mm (3.92 in. x 3.58 in.)	
Valve System	Variable cam timing, 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	390 hp @ 5,600 rpm	
Torque	407 lbft. @ 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	6.6L (7.0 qt.)	
Coolant Capacity	13.33L (14.0 qt.)	
Emission Controls	Three-way catalytic converters, heated oxygen sensors and electronic EGR and internal engine features	
Estimated 2011 EngerGuide Fuel Economy mpg (City/Hwy) L/100 km (mpg)	4X2 15.4/10.2 (18/28) 4X4 16.7/11.4 (17/25)	

ELECTRICAL SYSTEM

Alternator	160-amp
Battery	Group 65, low-maintenance 700 CCA

TRANSMISSION: 42RLE — AUTOMATIC, MULTI-SPEED OVERDRIVE

Availability	Standard — with 3.7-litre engine	
Description	Hydraulic control, electronically controlled governor, overdrive lockout and converter clutch	
Gear Ratios		
1st	2.84	
2nd	1.57	
3rd	1.00	
4th	0.69	
Reverse	2.21	
Overall Top-gear	2.45 with 3.55 axle and 2.70 with 3.92 axle	

TRANSMISSION: 65RFE — AUTOMATIC Six -SPEED

Availability	Standard with 4.7-litre and 5.7-litre engines
Description	Three planetary gear sets, one overrunning clutch, full electronic control, electronically controlled converter clutch
Gear Ratios	
1st	3.00
2nd	1.67 — 3 rd 1.50
4th	1.00
5th	0.75
^h 6th	0.67
Reverse	3.00
Overall Top-gear	2.15 with 3.21 axle; 2.38 with 3.55 axle; 2.63 with 3.92 axle; and 2.75 with 4.10 axle

TRANSFER CASE: PART-TIME

Availability	Standard
Shift Mechanism	Electric
Available Speeds	2-speed
Operating Modes	2WD High; 4WD High, Locked; Neutral; 4WD Low, Locked
Low-range Ratio	2.72
Centre Differential Type	None

TRANSFER CASE: BW 44-44 ON-DEMAND

Availability	Optional
Shift Mechanism	Electric
Available Speeds	2-speed
Operating Modes	2WD High; 4WD Auto; 4WD High, Locked; Neutral; 4WD Low, Locked
Low-range Ratio	2.64
Centre Differential Type	None

DIMENSIONS AND CAPACITIES

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

Regular Cab Pickup *Model – Tire Size*

265/70R17		265/70R17		
Box Length	Short	Long	Short	Long
Wheelbase (nominal) - mm (in.)	3061(120.5)	3569 (140.5)	3061 (120.5)	3569 (140.5)
Track, Front – mm (in.)	1728 (68)	1728 (68)	1732 (68.2)	1732 (68.2)
Track, Rear – mm (in.)	1714 (67.5)	1714 (67.5)	1714 (67.5)	1714 (67.5)
Overall Length – mm (in.)	5308 (209)	5866 (231.0)	5308 (209)	5866 (231.0)
Overall Width – mm (in.)	2016 (79.4)	2016 (79.4)	2016 (79.4)	2016 (79.4)
Overall Height – mm (in.)	1894 (74.6)	1889 (74.4)	1910 (75.2)	1906 (75.0)
Ground Clearance				
Front Axle – mm (in.)	245 (9.7)	245 (9.6)	228 (9.0)	228 (9.0)
Rear Axle – mm (in.)	228 (9.0)	228 (9.0)	217 (8.6)	217 (8.6)
Open Tailgate to Ground – mm (in.)	883 (34.8)	878 (34.6)	889 (35.0)	885 (34.9)
Pickup Body Height – mm (in.)	511 (20.1)	513 (20.2)	511 (20.1)	513 (20.2)
Approach Angle, degrees	18.6°	18.8°	20.5°	20.5°
Departure Angle, degrees	25.2°	24.1°	25.6°	24.4°
Ramp Breakover Angle, degrees	23.2°	21.4°	18.7°	16.6°
Fuel-Tank Capacity L (imp. gal.)	98 L (22-gal.) (Standard)	121 L (27-gal.) (Standard)	98 L (22-gal.) (Standard)	121 L (27-gal.) (Standard)
Quad Cab [®] Pickup <i>Model – Tire Size</i>	2WD –26	5/70R17	4WD -265/70R1	7
Wheelbase (nominal) – mm (in.)	3569 (140		3569 (140.5)	-
Track, Front - mm (in.)	1728 (68)		1732 (68.2)	
Track, Rear – mm (in.)	1714 (67.	5)	1714 (67.5)	
Overall Length – mm (in.)	5816 (229	9.0)	5816 (229.0)	
Overall Width – mm (in.)	2016 (79.	4)	2016 (79.4)	
Overall Height – mm (in.)	1906 (75.	1)	1922 (75.7)	
Ground Clearance				
Front Axle – mm (in.)	245 (9.6)		228 (9.0)	
Rear Axle – mm (in.)	227 (9.0)		217 (8.6)	
Open Tailgate to Ground – mm (in.)	878 (34.6	•	885 (34.9)	
Pickup Body Height – mm (in.)	508 (20.0)	508 (20.0)	
Approach Angle, degrees	18.8°		20.5°	
Departure Angle, degrees	25.1°		25.4°	
Ramp Breakover Angle, degrees	21.4°		16.6°	
Fuel-Tank Capacity L (imp. gal.)	98 L (22-gal.) (Standard) 121 L (27-gal.) (Optional)		98 L (22-gal.) (Standard) 121 L (27-gal.) (Optional)	
Crew Cab Pickup				
Model – Tire Size	2WD -265/70R17		4WD -265/70R1	7

2WD-

4WD -

Wheelbase (nominal) – mm (in.)	3569 (140.5)	3569 (140.5)
Track, Front – mm (in.)	1728 (68)	1732 (68.2)
Track, Rear – mm (in.)	1714 (67.5)	67.5 (1714.5)
Overall Length – mm (in.)	5816 (229.0)	5816 (229.0)
Overall Width – mm (in.)	2016 (79.4)	2016 (79.4)
Overall Height – mm (in.)	1906 (75.1)	1922 (75.7)
Ground Clearance		
Front Axle – mm (in.)	245 (9.6)	228 (9.0)
Rear Axle – mm (in.)	227 (9.0)	217 (8.6)
Open Tailgate to Ground – mm (in.)	878 (34.6)	(34.9)
Pickup Body Height – mm (in.)	508 (20.0)	508 (20.0)
Approach Angle, degrees	18.8°	20.5°
Departure Angle, degrees	25.1°	25.4°
Ramp Breakover Angle, degrees	21.4°	16.6°
Fuel-Tank Capacity L (imp. gal.)	98 L (22-gal.) (Standard)	98 L (22-gal.) (Standard)
	121 L (27-gal.) (Optional)	121 L (27-gal.) (Optional)

Cargo Box

Nominal Box Size	5 ft 7 in (170cm) (Crew)	6 ft 4 in (193cm) (Regular or Quad [®])	8 ft (244cm) (Regular)
Volume, L (cu. ft.)	1424 (50.3)	1628 (57.5)	2115 (74.7)
Length at Floor, Tailgate Closed - mm (in.)	1712 (67.4)	1938 (76.3)	2496 (98.3)
Cargo Width – mm (in.)	1686 (66.4)	1686 (66.4)	1686 (66.4)
Distance Between Wheelhouses - mm (in.)	1295 (51)	1295 (51)	1295 (51)
Depth – mm (in.)	508 (20.0)	510 (20.1)	513 (20.2)
Tailgate Opening Width - mm (in.)	1535 (60.4)	1535 (60.4)	1535 (60.4)

ACCOMMODATIONS Model	Regular Cab	Quad Cab [®]	Crew Cab
Seating Capacity, F/R	3/0 or 2/0	3/3 or 2/3	3/3 or 2/3
Front			
Head Room – mm (in.)	1022 (40.3)	1040 (41.0)	1040 (41.0)
Legroom mm (in.)	1041 (41)	1041 (41)	1041 (41)
Shoulder Room – mm (in.)	1676 (66)	1676 (66)	1676 (66)
Hip Room – mm (in.)	1676 (62.9)	1604 (63.2)	1604 (63.2)
Seat Travel – mm (in.)	179 (7.1)	179 (7.1)	179 (7.1)
Recliner Range (degrees)	14°	42°	42°
Rear			
Head Room – mm (in.)	N/A	1007 (39.7)	1013 (39.9)
Legroom – mm (in.)	N/A	881 (34.7)	1023 (40.3)
Shoulder Room – mm (in.)	N/A	1670 (65.7)	1670 (65.7)
Hip Room – mm (in.)	N/A	1598 (62.9)	1605 (63.2)
Interior Volume			
Front – L (cu. ft.)	1783 (63.0)	1817 (64.2)	1817 (64.2)
Rear – L (cu. ft.)	N/A	1483 (52.4)	1730 (61.1)
BODY AND CHASSIS Model	2WD	4WD	
Layout	Longitudinal, front engine	Longitudinal, front e	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, twin-tube shock absorbers, stabilizer bar	Upper and aluminum lower "A" arms, coil over twin-tube shock absorbers, stabilizer bar	
Rear	Five-link with track bar, coil springs, stabilizer bar, twin-tube shock absorbers,	Five-link with track bar, coil springs, stabilizer bar, twin-tube shock absorbers,	

solid axle

solid axle

STEERING

Regular	Cab	Pickup
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Model	2WD	2WD	4WD	4WD
Box Length	Short Box	Long Box	Short Box	Long Box
Wheelbase (nominal) – mm (in.)	3061 (120.5)	3569 (140.5)	3569 (140.5)	3569 (140.5)
Overall Steering Ratio	19.1:1	17.9:1	19.1:1	17.9:1
Steering Wheel Turns (lock-to-lock)	3.5	3.3	3.5	3.3
(0)	12.0	13.7	12.1	13.8
Turning Diameter – 17-in. Tire – m(ft.) ^(a)	(39.5)	(45.1)	(39.8)	(45.4)
(2)	12.0	13.7	12.1	13.9
Turning Diameter – 20-in. Tire - m(ft.) ^(a)	(39.3)	(44.9)	(39.8)	(45.5)
Turning Diameter – 17-in. Outdoorsman	N/A	N1/A	12.0	13.7
Tire – $m(ft.)^{(a)}$		N/A	(39.4)	(45.0)

Quad Cab[®] Pickup

Model	2WD	4WD
Wheelbase (nominal) - mm (in.)	3569 (140.5)	3569 (140.5)
Overall Ratio	17.9:1	17.9:1
Steering Wheel Turns (lock-to-lock)	3.3	3.3
Turning Diameter – 17-in. Tire – m(ft.) ^(a)	13.7 (45.1)	13.8 (45.4)
Turning Diameter – 20-in. Tire – m(ft.) ^(a)	13.7 (44.9)	13.9 (45.5)
Turning Diameter – Outdoorsman – m(ft.) ^(a)	13.7 (44.8)	13.7 (45.0)

Crew Cab Pickup

Model	2WD	4WD
Wheelbase (nominal) – mm (in.)	3569 (140.5)	3569 (140.5)
Overall Ratio	17.9:1	17.9:1
Steering Wheel Turns (lock-to-lock)	3.3	3.3
Turning Diameter – 17-in. Tire – m(ft.) ^(a)	13.7 (45.1)	13.8 (45.4)
Turning Diameter – 20-in. Tire – m(ft.) ^(a)	13.7 (44.9)	13.9 (45.5)
Turning Diameter - Outdoorsman – m(ft.) ^(a)	13.7 (44.8)	13.7 (45.0)

⁽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)	13.2 x 1.1 (336 x 28) vented disc with 2.13 (54) two-piston pin-slider caliper and ABS
Swept Area	292 sq. in. (1884 sq. cm)
Rear	
Size and Type - in. (mm)	13.8 x 0.87 (352 x 22) disc with 2.13 (54) single-piston pin-slider caliper and ABS
Swept Area	274 sq. in. (1768 sq. cm)
Power-assist Type	Dual-rate, tandem diaphragm vacuum