CHRYSLER CANADA: 2013 RAM 1500
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. Crew Cab: Warren Truck Assembly Plant, Warren, Mich.
Vehicle Class	Standard Pickup

ENGINE: 3.6-LITRE 24-VALVE DOHC V6 E85

Type and Description	60-degree V-type, liquid-cooled
Displacement	3604 cu. cm (220 cu. in.)
Bore x Stroke	96.0 mm x 83.0 mm (3.78 in. x 3.27 in.)
Valve System	Chain-driven DOHC, 24 valves and hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Aluminum deep-skirt block, aluminum alloy heads
Compression Ratio	10.2:1
Power	305 hp @ 6,400 rpm
Torque	269 lb.-ft. @ 4,175 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2, E85-compatible
Oil Capacity	5.7L (6.0 qt.)
Coolant Capacity	13.25L (14.0 qt.)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors

ENGINE: 4.7-LITRE SOHC 16-VALVE SMPI V8 E85

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
Torque	330 lb.-ft. @ 3,950 rpm
Max. Engine Speed	6,000 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2, E85-compatible

Oil Capacity	5.7L (6.0 qt.)
Coolant Capacity	10.23L (10.8 qt.)
Emission Controls	Three-way catalytic converters, heated oxygen sensors, electronic EGR and internal engine features

ENGINE: 5.7-LITRE HEMI® 16-VALVE V8

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	395 hp @ 5,600 rpm
Torque	407 lb.-ft. @ 3,950 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

ELECTRICAL SYSTEM

Architecture	Powernet
Alternator	160-amp, 180-amp, 220-amp (Stop-start only)
Battery	Group 65, low-maintenance 730 CCA (Stop-start features 800 CCA Absorbed Glass Mat)

TRANSMISSION: 65RFE AUTOMATIC SIX-SPEED

Availability	Standard with 4.7-litre V8, available with 5.7-litre V8 equipped trucks
Description	Three planetary gear sets, one overrunning clutch, full electronic control, electronically controlled converter clutch
Gear Ratios	
1st	3.00
2nd	1.67
3rd	1.50
4th	1.00
5th	0.75

6th	0.67
Reverse	3.00
Final Drive and Overall Top Gear Ratios	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
Max Torque	410 lb.-ft.

TRANSMISSION: ZF 8HP45 AUTOMATIC EIGHT-SPEED WITH ELECTRONIC RANGE SELECT (ERS)	
Availability	Standard with 3.6-litre V6 equipped trucks
Description	Adaptive electronic control, automatic or Electronic Range Select (ERS) manual control. Five clutch-pack design with only two open clutches in any gear. Torque converter lock with turbine torsional damper for low lock-up speeds in 1st through 8th gear
Gear Ratios	
1st	4.71
2nd	3.14
3rd	2.10
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30
Final Drive and Overall Top Gear Ratios	2.15 with 3.21 axle; 2.38 with 3.55 axle; 2.63 with 3.92 axle
Max Torque	332 lbs.-ft.

TRANSMISSION: ZF 8HP70 AUTOMATIC EIGHT-SPEED WITH ELECTRONIC RANGE SELECT (ERS)	
Availability	Available with select 5.7-litre V8 equipped trucks
Description	Adaptive electronic control, automatic or ERS manual control. Five clutch-pack design with only two open clutches in any gear. Torque converter lock with turbine torsional damper for low lock-up speeds in 1st through 8th gear
Gear Ratios	
1st	4.71
2nd	3.14
3rd	2.10
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30
Final Drive and Overall Top Gear Ratios	2.15 with 3.21 axle; 2.38 with 3.55 axle; 2.63 with 3.92 axle
Max Torque	516 lbs.-ft.

TRANSFER CASE: BW 44-45 PART-TIME	
Availability	3.6-litre V-6 4x4, 4.7-litre V-8 4x4 and 5.7-litre V-8 4x4
Shift Mechanism	Electric
Available Speeds	2-speed
Operating Modes	2WD High; 4WD High, Locked; Neutral; 4WD Low, Locked

Low-range Ratio	2.64
Centre Differential Type	None

TRANSFER CASE: BW 44-44 ON-DEMAND	
Availability	5.7-litre V8 4x4
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

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