2013 Jeep® Grand Cherokee
CANADIAN SPECIFICATIONS

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

All dimensions are measured at curb weight with standard wheels and tires unless otherwise noted.

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

GENERAL INFORMATION	
Body Style	Four-door sport-utility vehicle
Construction	Steel uniframe
Assembly Plant	Detroit, Michigan, U.S.A.
EnerGuide Vehicle Class	Special Purpose
Introduction	Spring 1992 as a 1993 model

ENGINE: 3.6-LITRE PENTASTAR™ DOHC 24-VALVE VVT V6	
Availability	Standard on all models
Type and Description	60-degree V-type, liquid-cooled
Displacement	3604 cu. cm (220 cu. in.) 96.0 x 83.0 (3.78 x 3.27)
Bore x Stroke	96 x 83 (3.77 x 3.26)
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	290 hp at 6,400 rpm
Torque	260 lb.-ft. at 4,800 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R + M)/2
Oil Capacity	5.7L (6.0 qt.)
Coolant Capacity	13.25L (14.0 qt.)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	2268 kg (5,000 lb.) — 2WD and 4WD
2012 EnerGuide Fuel Economy L/100 km (mpg) - City/Hwy	13.0 (22) / 8.8 (32)
Assembly Plant	Trenton, Michigan, U.S.A.

ENGINE: 5.7-LITRE HEMI® V8

Availability	Optional on all models
Type and Description	90-degree V-type, liquid-cooled
Displacement	5654 cu. cm (345 cu. in.)
Bore x Stroke	99.5 x 90.9 (3.92 x 3.58)
Valve System	Variable-valve timing, pushrod-operated overhead valves, 16 valves, eight deactivating and eight conventional hydraulic lifters, all 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	360 hp at 5,150 rpm
Torque	390 lb.-ft. at 4,250 rpm
Max. Engine Speed	5,800 rpm (electronically-limited)
Fuel Requirement	Unleaded mid-grade, 89 octane (R+M)/2 — recommended; unleaded regular, 87 octane (R+M)/2 — acceptable
Oil Capacity	6.6L (7 qt.)
Coolant Capacity	13.72L (14.5 qt.)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	3266 kg (7,200 lb.) (4X4)
2012 EnerGuide Fuel Economy L/100 km (mpg) - City/Hwy	14.5 (18) / 10.0 (27)
Assembly Plant	Saltillo, Mexico

TRANSMISSION: W5A580 AUTOMATIC, FIVE-SPEED OVERDRIVE

Availability	Included with 3.6-litre V6 engine
Description	Electronic Range Select (ERS) driver-interactive manual control and electronically-modulated torque converter clutch
Gear Ratios	
1st	3.59
2nd	2.19
3rd	1.41
4th	1
5th	0.83
Reverse	3.16
Final Drive Ratio	3.06:1
Overall Top Gear	2.54

TRANSMISSION: 65RFE AUTOMATIC, SIX-SPEED	
Availability	Included with 5.7-litre engine
Description	Three planetary gear sets, one overrunning clutch, with Electronic Range Select (ERS) driver interactive control, electronically controlled torque converter clutch
Gear Ratios	
1st	3
2nd	1.67
3rd	1.50
4th	1
5th	.5
6th	.67
Reverse	3
Final Drive Ratio	3.47
Overall Top Gear	2.32

TRANSFER CASE: MP 3010	
Availability	Optional with 3.6-litre engine
Type	Single-speed
Operating Mode	Full-time AWD
Low Range Ratio	None
Torque Split, Front/Rear	50/50

TRANSFER CASE: MP 3022	
Availability	Optional with the 3.6-litre and 5.7-litre engine
Type	Two-speed, electronically shifted
Operating Modes	4x4 Low (Lock), Neutral; full-time active 4x4
Low Range Ratio	2.72
Torque Split, Front/Rear	Variable

FRONT AXLES	
Differential Type	Conventional
Availability	Standard on 4x4 models with 3.6-litre and 5.7-litre engines
Ring Gear Diameter	195 mm (7.7 in.)
Axle Ratios	3.07:1 — 3.6-litre engine; 3.45:1 — 5.7-litre engine

REAR AXLES	
Differential Type	Conventional
Availability	Standard on all engines
Ring Gear Diameter	215 mm (8.4 in.)— 3.6-litre engine, 225 mm (8.9 in.)— 5.7 litre engine
Axle Ratios	3.06:1 — 3.6-litre engine; 3.47:1 — 5.7-litre engine
Ring Gear Diameter	Same as conventional

ELECTRICAL SYSTEM	
Alternator	160-amp; 180-amp or 220-amp depending on option content
Battery	Group 65 maintenance-free 750CCA

DIMENSIONS AND CAPACITIES [1]	
Wheelbase	2915 (114.8)
Track, Front	1623 (63.9)
Track, Rear	1627 (64.1)
Overall Length	4822 (189.8)
Overall Width (Width at Mirrors)	2154 (84.8)
Body Width	1943 (76.5)
Overall Height (at Roof Rail / at Antenna)	1761 (69.3) / 1779 (70.0)
Load Floor Height (Std Susp. / Air Susp.)	822 (32.4) / 807 (31.8)
Sill Step Height (Std Susp. / Air Susp.)	520 (20.5) / 508 (20.0)
Ground Clearance (with P245/70R17 Tire and 3.6L Engine) (Std Susp. / Air Susp. – Pos#2)	218 (8.6) / 270 (10.6)
Chassis (Fuel Tank) (Std Susp. / Air Susp. – Pos#2)	243 (9.6) / 294 (11.6)
Front Axle (Std Susp.. / Air Susp. – Pos#2)	236 (9.3) / 269.5 (10.6)
Rear Axle (Std Susp. / Air Susp. – Pos#2)	253 (10.0) / 303.5 (12.0)
Approach Angle, Degrees (Std Susp. / Air Susp. – Pos#2, air-dam off)	26.3 / 34.3
Ramp Breakover Angle, Degrees (Std Susp. / Air Susp. – Pos#2)	18.8 / 23.1
Departure Angle, Degrees (Std Susp. / Air Susp. – Pos#2)	26.5 / 29.3
Frontal Area	2.88 sq. m (31.0 sq. ft.)
Drag Coefficient	Approximately 0.37
Aero CdA	11.6 (Cd x cross-sectional area)
Fuel Tank Capacity L (gal.)	93.1L (20.5)

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

ACCOMMODATIONS (1)

Seating Capacity, Front/Second	2/3
Front Seat	
Head Room	1013 (39.9)
Legroom	1025 (40.3)
Shoulder Room	1491 (58.7)
Hip Room	1449 (57.0)
Seat Travel	280 (11.0)
Volume L (cu. ft.)	1546 (54.6)
Rear Seat	
Head Room	995 (39.2)
Legroom	981 (38.6)
Shoulder Room	1474 (58.0)
Hip Room	1428 (56.2)
Knee Clearance	110 (4.3)
Volume L (cu. ft.)	1438 (50.8)
Cargo Volume	
Behind Rear Seat L (cu. ft.)	994 (35.1)
Rear Seats Folded L (cu. ft.)	1945 (68.7)

(1) All dimensions shown in millimetres (inches) unless otherwise noted.

WEIGHTS (Estimates)

	MODEL	ENGINE	GVWR[a] kg (lb.)	CURB WEIGHT[b] kg (lb.)	PAYLOAD[c] kg (lb.)
4WD	Laredo E	3.6-litre	2948 (6500)	2114 (4660)	835 (1840)
	Laredo X	3.6-litre	2948 (6500)	2114 (4660)	835 (1840)
	Laredo X	5.7-litre	2948 (6500)	2278 (5020)	670 (1480)
	Limited	3.6-litre	2948 (6500)	2201 (4850)	750 (1660)
		5.7-litre	3084(6800)	2336 (5150)	750 (1660)
	Overland	5.7-litre	3084 (6800)	2364 (5210)	720 (1590)

(a) Gross Vehicle Weight Rating.

(b) Curb weight includes standard equipment and full quantities of fuel, lubricant and coolant.

(c) Payload is the maximum allowable weight of driver, passengers, cargo, and options, rounded to the nearest 5 kg (10 lb.)

WEIGHT DISTRIBUTION, F/R

	MODEL	ENGINE	DISTRIBUTION
4WD	Laredo	3.6-litre	53/47
		5.7-litre	55/45
	Limited	3.6-litre	52/48
		5.7-litre	54/46
	Overland	5.7-litre	54/46

BODY	
4x4	
Layout	Longitudinal front engine, transfer case with full-time four-wheel drive
Construction	Steel uniframe

SUSPENSION	
Front	Short- and long-arm independent (SLA), coil springs, gas-charged, twin-tube coil-over shock absorbers, upper- and lower-control arms (“A” arms), stabilizer bar
Rear	Multi-link rear suspension, coil spring, twin tube shocks (including load leveling for towing), aluminum lower control arm, independent upper links (tension and camber) plus a separate toe link.

STEERING	
Type	Power rack and pinion (V8) Electro-hydraulic Power Steering (V6)
Steering Ratio	18.9:1 — on centre; 15.7:1 — at full lock
Turn Circle Metres (feet)	11.3 (37.1)
Lock-to-Lock Steering Wheel Rotations	3.67

BRAKES	
Type	Power, Single-rate, tandem diaphragm vacuum, ABS
Availability	Standard
Front	
Size and Type in. (mm)	12.9 x 1.2 (328 x 30) vented disc with 1.89 (48) two-piston pin-slider caliper and ABS
Swept Area	1820 sq. cm (282 sq. in.)
Rear	
Size and Type in. (mm)	12.6 x 0.55 (320 x 14) disc with 1.89 (48) single-piston pin-slider caliper and single-channel ABS[(b)]
Swept Area	1658 sq. cm (257 sq. in.)

(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.

(b) Four-channel ABS

TIRES

Standard — Laredo E	
Size and Type	P245/70R17
Mfr. and Model	Goodyear Fortera HL Black Sidewall All-Season — OWL Optional
Revs per kilometre (mile)	1102 (685)
Standard — Laredo X and Limited;	
Size and Type	P265/60R18
Mfr. and Model	Michelin Latitude Tour Black Sidewall All-Season
Revs per kilometre (mile)	1112 (691)
Standard — Overland; Optional Limited	
Size and Type	P265/50R20
Mfr. and Model	Goodyear Fortera HL Black Sidewall All-Season
Revs per kilometre (mile)	1110 (690)
Optional — Laredo E, Laredo X, Limited and Overland	
Size and Type	P265/60R18
Mfr. and Model	Michelin Latitude Tour OWL All-Season
Revs per kilometre (mile)	1112 (691)
Optional — Overland	
Size and Type	P265/50R20
Mfr. and Model	Goodyear Fortera HL Black Sidewall All-Season
Revs per kilometre (mile)	1110 (690)

WHEELS

Type and Material	Cast-aluminum
Sizes	17 in. x 8.0 in. aluminum wheels 18 in. x 8.0 in. tech silver aluminum wheels 18 in. x 8.0 in. polished aluminum wheels 20 in x 8.0 in. Premium Satin Carbon Aluminum wheels 20 in. x 8.0 in Premium Satin Carbon Polished Aluminum

TRAILER TOWING[a]

	ENGINE	AXLE RATIO	MAXIMUM TRAILER WEIGHT[b] KG (LB)
4WD	3.6-litre V6	3.09	2269 (5000)
	5.7-litre V8	3.45	3300 (7200)

(a) All models can tow trailers up to 2268 kilograms (5000 pounds) with the addition of a trailer hitch. For towing heavier trailers up to the Maximum Trailer Weight Ratings shown in the Trailer Towing chart, the vehicle must be equipped with the Trailer Tow Group Class IV for the 5.7-litre engines for North America.

(b) Maximum Trailer Weight = GCWR - Curb Wt. with hitch – 136 kg (300 lb.) (allowance for driver and passenger) and must be decreased by the weight of optional equipment, cargo and additional passengers. Maximum trailer weights shown are rounded to the nearest 23kg (50 lb.)
Tongue weight should be 10-15% of loaded trailer weight but may not cause vehicle to exceed GVWR or GAWR. Load equalizing hitch recommended for trailers over 907 kilograms (2000 pounds.)

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