

2016 Jeep® Grand Cherokee / Grand Cherokee SRT

CANADIAN SPECIFICATIONS

Specifications are based on the latest product information available at the time of publication.

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

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

GENERAL INFORMATION

Vehicle Type	Four-door sport-utility vehicle
Assembly Plant	Detroit, Mich. (U.S.A.)
EnerGuide Vehicle Class	Multipurpose vehicle

BODY AND CHASSIS

Layout	Front engine, rear- or four-wheel drive
Construction	Steel uniframe

ENGINE: 3.6-LITRE PENTASTAR™ V6

Availability	Standard on all models other than SRT
Type and Description	60-degree V-type, liquid-cooled
Displacement	3,604 cu. cm (220 cu. in.)
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, multiport, electronic, returnless
Construction	Aluminum deep-skirt block, aluminum alloy heads
Compression Ratio	10.2:1
Power (est.)	Up to 295 hp
Torque (est.)	260 lb.-ft.
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R + M)/2
Oil Capacity	5.7 litres (6.0 qt.)
Coolant Capacity	13.25 litres (14.0 qt.)

Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	3,812 kg (6,200 lb.)
EnerGuide Fuel Economy L/100km (mpg) (city/hwy)	12.8 (22) / 9.5 (30)
Engine Assembly Plant	Trenton, Mich., (U.S.A.)

ENGINE: 5.7-LITRE V8

Availability	Optional — Limited, Overland and Summit
Type and Description	90-degree V-type, liquid-cooled
Displacement	5,654 cu. cm (345 cu. ft.)
Bore x Stroke	99.5 x 90.9 (3.92 x 3.58)
Valve System	Variable-valve timing (VVT), 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 (est.)	360 hp at 5,150 rpm
Torque (est.)	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	6.6 litres (7 qt.)
Coolant Capacity	13.72 litres (14.5 qt.)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	3,265 kg (7,200 lb.)
EnerGuide Fuel Economy L/100km (mpg) (city/hwy)	16.7 (17) / 10.7 (26)
Engine Assembly Plant	Saltillo (Mexico)

ENGINE: 3.0-LITRE DOHC ECODIESEL V6

Availability	Optional — Overland and Summit
Type and Description	60-degree V-type, liquid-cooled
Displacement	2,988 cu. cm (182 cu. in.)
Bore x Stroke	83 x 92 (3.27 x 3.60)
Valve System	Chain-driven DOHC, 24 valves
Fuel Injection	Common-rail, 2000 bar, Solenoid Injectors
Construction	Iron block, aluminum alloy heads
Compression Ratio	16.5:1
Power (est.)	240 hp at 3,600 rpm
Torque (est.)	420 lb.-ft. at 2,000 rpm
Max. Engine Speed	4,800 rpm (electronically limited)
Fuel Requirement	Ultra Low-sulfur diesel
Oil Capacity	7.8 litres (8.2 qt.)
Coolant Capacity	11.4 litres (12 qt.)
Emission Controls	Cooled EGR, Oxidation catalyst, Diesel particulate filter, SCR with urea injection
Max. Gross Trailer Weight	2,240 kg (7,200 lb.)
EnerGuide Fuel Economy L/100km (mpg) (city/hwy)	11.2 (25) / 8.4 (34)
Engine Assembly Plant	Ferrara (Italy)

ENGINE: 6.4-LITRE V8

Availability	Standard — SRT
Type and Description	90-degree V-type, liquid-cooled
Displacement,	6,417 cu. cm (392 cu. in.)
Bore x Stroke	103.9 x 94.5 (4.09 x 3.72)
Valve System	Pushrod-operated overhead valves, 16 valves with sodium-filled exhaust valves and hollow stem intake valves, 16 conventional hydraulic lifters, all with roller tips
Fuel Injection	Sequential, multi-port, electronic, returnless; automatic features Fuel Saver mode
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers

Compression Ratio	10.9:1
Power	475 hp at 6,000 rpm
Torque	470 lb.-ft. at 4,300 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Premium 91 octane (R+M)/2 — recommended
Oil Capacity	6.6 litres (7 qt.)
Coolant Capacity	13.25 litres (14 qt.)
Factory Oil Fill	0W-40 Pennzoil Ultra synthetic
Emission Controls	Dual close-coupled three-way catalytic converters, quad-heated oxygen sensors and internal engine features
Exhaust Type	Dual exhaust with dual 102-mm (4-in.) oval black chrome tips
EnerGuide Fuel Economy L/100km (mpg) (city/hwy)	18.5 (15) / 12.6 (22)
Engine Assembly Plant	Saltillo (Mexico)

TRANSMISSION: ZF AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard — all models
Description	Driver-interactive manual control via steering wheel paddle shifters and electronically-modulated torque converter clutch with Eco mode
Gear Ratios	
1st	4.71
2nd	3.14
3rd	2.11
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30

TRANSFER CASE: MP 3010

Availability	Optional with V6
Type	Single-speed
Operating Mode	Full-time AWD
Low Range Ratio	None
Torque Split, Front/Rear	50/50

TRANSFER CASE: MP 3010

Availability	Standard with 6.4-litre V8 engine
Type	Single-speed, electronic proportioning
Operating Mode	Full-time 4WD
Torque Split, Front/Rear	Variable – 40/60 Auto, 50/50 Snow and Tow, 35/65 Sport and 30/70 Track

TRANSFER CASE: MP 3022

Availability	Optional with the V6, V8 and EcoDiesel engines
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

AXLES

Front	
Differential Type	Conventional
Availability	Standard on 4x4 models
Ring Gear Diameter	195 (7.7)
Axle Ratios	3.45:1 — 3.6-litre V6 and EcoDiesel
	3.09:1 — 5.7-litre V8
	3:70:1 — 6.4-litre V8
Rear	
Differential Type	Conventional (optional Electronic Limited Slip on 5.7-litre V8 and EcoDiesel, Standard on 6.4-litre V8)
Availability	Standard on all engines

Ring Gear Diameter	195 (7.7) — V6 4x4
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ELECTRICAL SYSTEM

Alternator	160-amp; 180-amp or 220-amp depending on model
Battery	Maintenance-free H6 650 CCA + Auxiliary 200 CCA on Electronic Stop/Start (ESS) H7 700 CCA on V8, H8 800 CCA on 3.0-litre EcoDiesel (not equipped with ESS)

SUSPENSION

Front	Short- and long-arm independent (SLA), coil springs, gas-charged, twin-tube coilover shock absorbers, steel upper- and aluminum lower-control arms ("A" arms), aluminum knuckle, hollow stabilizer bar
Front – SRT	Short- and long-arm independent (SLA) with aluminum lower control arm, aluminum knuckle, aluminum clevis, coil springs, Bilstein adaptive damping suspension (ADS), upper- and lower-control arms ("A" arms), hollow 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, hollow stabilizer bar
Rear - SRT	Multi-link rear suspension, coil spring, Bilstein adaptive damping suspension (ADS), aluminum lower control arm, independent upper links (tension and camber) plus a separate toe link, hollow stabilizer bar

STEERING

Type	Electric rack and pinion, SRT-tuned on SRT model
Overall Ratio	16.7:1
Turning Diameter (curb-to-curb)	11.3 m (37.1 ft.)
Steering Turns (lock-to-lock)	3.2

BRAKES

Type	Power, single-rate, tandem diaphragm vacuum, anti-lock braking system (ABS)
Availability	Standard
Front	

Rotor size and type	330 x 32 (13.0 x 1.3) vented disc – V6
	350 x 32 (13.8 x 1.3) – EcoDiesel and 5.7-litre V8
	380 x 34 (15.0 x 1.34) vented disc with Brembo six-piston caliper and ABS – SRT 6.4-litre V8
	380 x 34 (15.0 x 1.34) 2-piece aluminum hat performance rotor, directionally slotted with Brembo six-piston caliper and ABS – available on SRT model
Caliper size and type	48 (1.89) two-piston pin-slider caliper
Swept area	1,820 sq. cm (282 sq. in.)
	672 sq. cm (104.2 sq. in.) - SRT
Rear	
Rotor size and type	330 x 14 (13.0 x 0.55) disc – V6
	330 x 22 (13.0 x 0.87) vented disc – EcoDiesel and V8
	350 x 28 (13.78 x 1.10) disc with Brembo four-piston caliper and single-channel ABS – SRT
	350 x 28 (13.78 x 1.10) Performance disc , directionally slotted with Brembo four-piston caliper and single-channel ABS available on SRT
Caliper size and type	48 (1.89) single-piston pin-slider caliper
Swept area	1,658 sq. cm (257 sq. in.)
	508 sq. cm (79.0 sq. in.) — SRT
DIMENSIONS AND CAPACITIES mm (in.) unless otherwise noted	
Wheelbase	2,915 (114.8)
Track, Front	1,623 (63.9)
	1,636 (64.4) — SRT
Track, Rear	1,627 (64.1)
	1,634 (64.7) — SRT
Overall Length	4,822 (189.8)
Overall Width (Width at Mirrors)	2,154 (84.8)
Body Width	1,943 (76.5)
Overall Height (at Roof Rail / at Antenna)	1,761 (69.3) / 1,779 (70.0)
	1,717/1,773 (67.6/69.8) - SRT
Load Floor Height	822 (32.4) — standard suspension and SRT
	807 (31.8) — air suspension
Sill Step Height	520 (20.5) — standard suspension
	508 (20.0) — air suspension

	527 (20.7) — SRT
Ground Clearance (with P245/70R17 Tire and 3.6-litre engine)	218 (8.6) — standard suspension
	264 (10.4) — air suspension (Pos#2)
	210.8 (8.3) — SRT
Chassis (Fuel Tank)	243 (9.6) — standard suspension
	271 (10.7) — air suspension (Pos#2)
	230 (9) — SRT
Front Axle	236 (9.3) — standard suspension
	246 (9.7) — air suspension (Pos#2)
	227.8 (8.97) — SRT
Rear Axle	253 (10.0) — standard suspension
	282 (11.1) — air suspension (Pos#2)
	228.3 (8.99) — SRT
Approach Angle (degrees)	26.2 — standard suspension
	36.1 — air suspension (Pos#2, air-dam off)
	18.45 — SRT
Ramp Breakover Angle (degrees)	19.0 — standard suspension
	22.8 — air suspension (Pos#2)
	17.84 — SRT
Departure Angle (degrees)	24.0 — standard suspension
	27.1 — air suspension (Pos#2)
	21.9 — SRT
Frontal Area	2.88 m (31.0 ft.)
	2.93 m (31.5 ft.) — SRT
Drag Coefficient	0.371
	0.39 - SRT
Aero CdA	11.5 (Cd x cross-sectional area)
	12.2 (Cd x cross-sectional area) — SRT
Fuel Tank Capacity	93.1 litres (20.5 gal.)

ACCOMMODATIONS

mm (in.) unless otherwise noted

Seating Capacity (front/rear)

2/3

Total Interior Passenger Volume	2,985 litres (105.4 cu. ft.)
Front	
Headroom	1,013 (39.9)
Legroom	1,025 (40.3)
Shoulder Room	1,491 (58.7)
Hip Room	1,449 (57.0)
Seat Travel	280 (11.0)
Front Volume Index	1,546 litres (54.6 cu. ft.)
Rear	
Headroom	995 (39.2)
Legroom	981 (38.6)
Knee Clearance	110 (4.3)
Shoulder Room	1,474 (58.0)
Hip Room	1,428 (56.2)
Rear Seat Volume Index	1,438 litres (50.8 cu. ft.)
Maximum Cargo Volume	1,934 litres (68.3 cu. ft.)
Behind Second-row Seats	1,028 litres (36.3 cu. ft.)
Total Passenger plus Cargo Volume	3,979 litres (140.5 cu. ft.)

WEIGHTS (Estimates)

	MODEL	ENGINE	GVWR ^(a) kg (lb.)	CURB WEIGHT ^(b) kg (lb.)	PAYLOAD ^(c) kg (lb.)
4WD	Laredo	3.6-litre	2,948 (6,500)	2,121 (4,677)	600 (1,320)
	Limited	3.6-litre	2,948 (6,500)	2,211 (4,875)	580 (1,270)
		5.7-litre	3,084 (6,800)	2,329 (5,135)	585 (1,290)
		3.0-litre EcoDiesel	3,084 (6,800)	2,393 (5,275)	580 (1,270)
	Overland	3.6-litre	2,948 (6,500)	2,261 (4,984)	520 (1,150)
		5.7-litre	3,084 (6,800)	2,381 (5,250)	520 (1,150)
		3.0-litre EcoDiesel	3,084 (6,800)	2,446 (5,393)	530 (1,170)
	Summit	3.6-litre	2,948 (6,500)	2,247 (4,955)	475 (1,050)
		5.7-litre	3,084 (6,800)	2,367 (5,219)	475 (1,050)
		3.0-litre EcoDiesel	3,084 (6,800)	2,437 (5,374)	475 (1,050)
	SRT	6.4-litre	2,948 (6,500)	2,315 (5,104)	612 (1,350)

(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
	Limited	3.6-litre	52/48
		5.7-litre	54/46
		3.0-litre EcoDiesel	54/46
	Overland	3.6-litre	52/48
		5.7-litre	53/47
		3.0-litre EcoDiesel	53/47

Summit	3.6-litre	51/49
	5.7-litre	53/47
	3.0-litre EcoDiesel	53/47
SRT	6.4-litre	55/45

WHEELS (in.)

Availability	Standard on Laredo
Type and Material	Painted machine cast-aluminum, 5-spoke
Size	17 x 8
Availability	Standard Limited, available on Overland
Type and Material	Painted machine cast-aluminum, 10-spoke
Size	18 x 8
Availability	Standard on Overland, available on Limited
Type and Material	Polished machined cast-aluminum, 5-spoke
Size	20 x 8
Availability	Standard on Summit
Type and Material	Polished machined cast-aluminum, twin 5-spoke (Satin Carbon painted with Premium Plus Appearance Group)
Size	20 x 8
Availability	Standard on SRT
Type and Material	Forged aluminum, polished, five-spoke "Goliath"
Size	20 x 10
Availability	Optional on SRT
Type and Material	Forged aluminum, Mineral Grey, split five-spoke
Size	20 x 10
Availability	Optional on SRT
Type and Material	Forged aluminum, Black Vapor Chrome, split five-spoke "Spider Money"
Size	20 x 10

TIRES

Availability	Standard — Laredo
Size and Type	P245/70R17
Mfr. and Model	Goodyear Fortera HL Black Sidewall All-Season
Revs per km (mile)	685 (1,103)
Availability	Standard — Limited; Optional — Laredo
Size and Type	265/60R18
Mfr. and Model	Michelin Premier LTX Black Sidewall All-Season
Revs per km (mile)	679 (1,093)
Availability	Standard — SRT
Size and Type	P295/45ZR20
Mfr. and Model	Pirelli Scorpion Verde – All-season Performance (run flat)
Revs per km (mile)	699 (1,125)

Availability	Optional — SRT
Size and Type	P295/45ZR20
Mfr. and Model	Pirelli P-Zero – Three-season (run flat)
Revs per km (mile)	699 (1,125)
Availability	Standard — Overland/Summit; Optional- Limited
Size and Type	265/50R20
Mfr. and Model	Bridgestone Ecopia H/L 422 Plus Black Sidewall All-Season
Revs per km (mile)	685 (1,102)
Availability	Optional — Overland/Summit/Limited
Size and Type	265/50R20
Mfr. and Model	Pirelli Scorpion Verde Black Sidewall All-Season
Revs per km (mile)	686 (1,104)
Packaged with Off-road Adventure II (AWY)	Packaged with Off-road Adventure II (AWY)
Size and Type	265/60R18
Mfr. and Model	Goodyear Wrangler All-Terrain Adventure with Kevlar Black Sidewall
Revs per km (mile)	685 (1,102)
Parking Brake Type	Drum-in-hat
Four-wheel Anti-lock Brakes	Standard
Electronic stability control	Standard
All-speed traction control	Standard
Brake Assist	Standard

TRAILER TOWING

	Engine	Axle Ratio	Maximum Trailer Weight kg (lb.)
4WD	3.6-litre V6	3.45	2,818 (6,200)
	5.7-litre V8	3.09	3,265 (7,200)
	3.0-litre EcoDiesel V6	3.45	3,265 (7,200)
	6.4-litre V8	3.70	3265 (7,200)

