



2016 JEEP® GRAND CHEROKEE / GRAND CHEROKEE SRT SPECIFICATIONS

2016 Jeep® Grand Cherokee / Grand Cherokee SRT SPECIFICATIONS

EMBARGO DATE: 12:01 a.m. on September 1, 2015

*Specifications are based on the latest product information available at the time of publication.
All dimensions are in inches (millimeters) 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	Jefferson Avenue North Assembly Plant, Detroit, Mich.
EPA Vehicle Class	Multipurpose vehicle
Introduction Date	Spring 1992 as a 1993 model

BODY AND CHASSIS

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

ENGINE: 3.6-LITER PENTASTAR V-6

Availability	Standard on all models
Type and Description	60-degree V-type, liquid-cooled
Displacement	220 cu. in. (3,604 cu. cm)
Bore x Stroke	3.77 x 3.26 (96 x 83)
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.) (SAE J2723)	Up to 295 hp
Torque (est.) (SAE J2723)	TBD
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R + M)/2
Oil Capacity	6.0 quarts (5.7 liters)
Coolant Capacity	14.0 quarts (13.25 liters)



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Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features ^(a)
Max. Gross Trailer Weight	6,200 lbs. — 2WD and 4WD
EPA Fuel Economy mpg (city/hwy)	TBD — 2WD TBD— 4WD
Assembly Plant	Trenton South Engine Plant, Trenton, Mich.
ENGINE: 5.7-LITER V-8	
Availability	Optional — Limited, Overland and Summit
Type and Description	90-degree V-type, liquid-cooled
Displacement	345 cu. in. (5,654 cu. cm)
Bore x Stroke	3.92 x 3.58 (99.5 x 90.9)
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.) (SAE J2723)	360 hp (268 kW) at 5,150 rpm
Torque (est.) (SAE J2723)	390 lb.-ft. (520 N•m) 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	7 quarts (6.6 liters)
Coolant Capacity	14.5 quarts (13.72 liters)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features ^(a)
Max. Gross Trailer Weight	7,200 lbs. (4x4) and 7,400 lbs. (4x2)
EPA Fuel Economy mpg (city/hwy)	TBD — 4WD
Assembly Plant	Saltillo North Engine Plant, Saltillo, Mexico

(a) Meets Calif. LEV II+ evaporative emission requirements in CA, NY, MA, ME, VT and Federal Bin 5+ Tier II emissions and Clean Fuel Fleet Certification (CCF).



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ENGINE: 3.0-LITER DOHC ECODIESEL V-6

Availability	Optional — Limited, Overland and Summit
Type and Description	60-degree V-type, liquid-cooled
Displacement	182 cu. in. (2988 cu. cm)
Bore x Stroke	3.27 x 3.60 (83 x 92)
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.) (SAE J2723)	240 hp (179 kW) at 3,600 rpm
Torque (est.) (SAE J2723)	420 lb.-ft. (569 N•m) at 2,000 rpm
Max. Engine Speed	4,800 rpm (electronically limited)
Fuel Requirement	Ultra Low-sulfur diesel
Oil Capacity	8.2 quarts (7.8 liters)
Coolant Capacity	12 quarts (11.4 liters)
Emission Controls	Cooled EGR, Oxidation catalyst, Diesel particulate filter, SCR with urea injection
Max. Gross Trailer Weight	7,400 lbs. (4x2) 7,200 lbs. (4x4)
EPA Fuel Economy mpg (city/hwy)	22/30 — 2WD 21/28 — 4WD
Assembly Plant	VM Motori Cento, Ferrara, Italy

ENGINE: 6.4-LITER V-8

Availability	Standard — SRT
Type and Description	90-degree V-type, liquid-cooled
Displacement, cu. in. (cu. cm.)	392 (6,417)
Bore x Stroke	4.09 x 3.72 (103.9 x 94.5)
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



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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 (SAE J2723)	475 hp (354 kW) at 6,000 rpm
Torque (SAE J2723)	470 lb.-ft. (637 N•m) at 4,300 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Premium 91 octane (R+M)/2 — recommended
Oil Capacity, qt. (liter)	7 (6.6)
Coolant Capacity, qt. (liter)	14 (13.25)
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 ^(a)
Exhaust Type	Dual exhaust with dual 4-in. oval black chrome tips
EPA Fuel Economy mpg (city/hwy)	TBD/TBD
Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico

a) Meets Federal Tier 2, Bin 5 emissions requirements; marketed in California as an LEV II (Low Emission Vehicle) under cleanest vehicle rules.

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



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TRANSFER CASE: MP 3010

Availability	Optional with V-6
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-liter V-8 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 V-6, V-8 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	7.7 (195)
Axle Ratios	3.45:1 — 3.6-liter V-6 and EcoDiesel
	3.09:1 — 5.7-liter V-8
	3:70:1 — 6.4-liter V-8
Rear	
Differential Type	Conventional (optional Electronic Limited Slip on 5.7-liter V-8 and EcoDiesel, Standard on 6.4-liter V-8)



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Availability	Standard on all engines
Ring Gear Diameter (in/mm)	7.7 (195) — V-6 4x4 9.1 (230) — V-6 4x2, EcoDiesel, 5.7-liter V-8 and 6.4-liter V-8
Axle Ratios	3.27:1 — V-6 4x2 3.45:1 — V-6 and EcoDiesel 3.09:1 — 5.7-liter V-8 3:70:1 — 6.4-liter V-8

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 V-8, H8 800 CCA on 3.0-liter 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	17.9:1 (V-6 4x2), 16.7:1 (all other vehicles)
Turning Diameter (curb-to-curb) (ft./m)	37.1 (11.3)
Steering Turns (lock-to-lock)	3.4 (V-6 4x2), 3.2 (all other vehicles)



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BRAKES

Type	Power, single-rate, tandem diaphragm vacuum, anti-lock braking system (ABS)
Availability	Standard
Front	
Rotor size and type	13.0 x 1.3 (330 x 32) vented disc – V-6 13.8 x 1.3 (350 x 32) – EcoDiesel and 5.7-liter V-8 15.0 x 1.34 (380 x 34) vented disc with Brembo six-piston caliper and ABS – SRT 6.4-liter V-8 15.0 x 1.34 (380 x 34) 2-piece aluminum hat performance rotor, directionally slotted with Brembo six-piston caliper and ABS – available on SRT model
Caliper size and type	1.89 (48) two-piston pin-slider caliper
Swept area, (sq. in. / sq. cm)	282 (1,820) 104.2 (672) - SRT
Rear	
Rotor size and type	13.0 x 0.55 (330 x 14) disc – V-6 13.0 x 0.87 (330 x 22) vented disc – EcoDiesel and V-8 13.78 x 1.10 (350 x 28) disc with Brembo four-piston caliper and single-channel ABS – SRT 13.78 x 1.10 (350 x 28) Performance disc , directionally slotted with Brembo four-piston caliper and single-channel ABS available on SRT
Caliper size and type	1.89 (48) single-piston pin-slider caliper
Swept area, (sq. in. / sq. cm)	257 (1,658) 79.0 (508) — SRT

DIMENSIONS AND CAPACITIES

Wheelbase	114.8 (2,915)
Track, Front	63.9 (1,623) 64.4 (1,636) — SRT
Track, Rear	64.1 (1,627) 64.7 (1,634) — SRT
Overall Length	189.8 (4,822)
Overall Width (Width at Mirrors)	84.8 (2,154)
Body Width	76.5 (1,943)
Overall Height (at Roof Rail / at Antenna)	69.3 (1,761) / 70.0 (1,779) 67.6/69.8 (1,717/1,773) - SRT



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Load Floor Height	32.4 (822) — standard suspension and SRT
	31.8 (807) — air suspension
Sill Step Height	20.5 (520) — standard suspension
	20.0 (508) — air suspension
	20.7 (527) — SRT
Ground Clearance (with P245/70R17 Tire and 3.6-liter engine)	8.6 (218) — standard suspension
	10.4 (264) — air suspension (Pos#2)
	8.3 (210.8) — SRT
Chassis (Fuel Tank)	9.6 (243) — standard suspension
	10.7 (271) — air suspension (Pos#2)
	9 (230) — SRT
Front Axle	9.3 (236) — standard suspension
	9.7 (246) — air suspension (Pos#2)
	8.97 (227.8) — SRT
Rear Axle	10.0 (253) — standard suspension
	11.1 (282) — air suspension (Pos#2)
	8.99 (228.3) — 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 sq. ft. (sq. m)	31.0 (2.88)
	31.5 (2.93) — 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, (gallons / (liter)	24.6 (93.1)



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ACCOMMODATIONS

Seating Capacity (front/rear)	2/3
SAE Total Interior Passenger Volume, (cu. ft. / cu. m)	105.4 (2.98)
Front	
Headroom	39.9 (1,013)
Legroom	40.3 (1,025)
Shoulder Room	58.7 (1,491)
Hip Room	57.0 (1,449)
Seat Travel	11.0 (280)
EPA Front Volume Index (cu. ft. / cu. m)	54.6 (1.55)
Rear	
Headroom	39.2 (995)
Legroom	38.6 (981)
Knee Clearance	4.3 (110)
Shoulder Room	58.0 (1,474)
Hip Room	56.2 (1,428)
EPA Rear Seat Volume Index (cu. ft. / cu. m)	50.8 (1.4)
Maximum Cargo Volume (cu. ft. / cu. m)	68.3 (1.93)
Behind Second-row Seats (cu. ft. / cu. m)	36.3 (1.03)
Total Passenger plus Cargo Volume (cu. ft. / cu. m)	140.5 (3.98)



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WEIGHTS (Estimates)

	MODEL	ENGINE	GVWR ^(a) lbs. (kg)	CURB WEIGHT ^(b) lbs. (kg)	PAYLOAD ^(c) lbs. (kg)	
2WD	Laredo	3.6-liter	6,500 (2,948)	4,545 (2,062)	1,180 (535)	
		3.6-liter	6,500 (2,948)	4,685 (2,125)	1,160 (525)	
		Limited	5.7-liter	6,500 (2,948)	4,897 (2,221)	1,170 (530)
	Overland	3.0-liter EcoDiesel	6,500 (2,948)	5,065 (2,297)	1,160 (525)	
		3.6-liter	6,500 (2,948)	4,754 (2156)	1,090 (495)	
		5.7-liter	6,500 (2,948)	4,981 (2259)	1,090 (495)	
	Summit	3.0-liter EcoDiesel	6,500 (2,948)	5,208 (2362)	1,090 (495)	
		3.6-liter	6,500 (2,948)	4,725 (2143)	1,090 (495)	
		5.7-liter	6,500 (2,948)	4,968 (2254)	1,090 (495)	
	4WD	Laredo	3.0-liter EcoDiesel	6,500 (2,948)	5,149 (2336)	1,090 (495)
			3.6-liter	6,500 (2,948)	4,677 (2121)	1,320 (600)
			3.6-liter	6,500 (2,948)	4,875 (2211)	1,270 (580)
Limited		5.7-liter	6,800 (3,084)	5,135 (2329)	1,290 (585)	
		3.0-liter EcoDiesel	6,800 (3,084)	5,275 (2393)	1,270 (580)	
		Overland	3.6-liter	6,500 (2,948)	4,984 (2261)	1,150 (520)
5.7-liter			6,800 (3,084)	5,250 (2381)	1,150 (520)	
3.0-liter EcoDiesel			6,800 (3,084)	5,393 (2446)	1,170 (530)	
Summit		3.6-liter	6,500 (2,948)	4,955 (2247)	1,050 (475)	
		5.7-liter	6,800 (3,084)	5,219 (2367)	1,050 (475)	
		3.0-liter EcoDiesel	6,800 (3,084)	5,374 (2437)	1,050 (475)	
SRT		6.4-liter	6,500 (2,948)	5,104(2,315)	1,350 (612)	

(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 10 lbs. (5kg).



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WEIGHT DISTRIBUTION, F/R

	MODEL	ENGINE	DISTRIBUTION
2WD	Laredo	3.6-liter	52/48
		3.6-liter	51/49
		5.7-liter	53/47
	Limited	3.0-liter EcoDiesel	53/47
		3.6-liter	51/49
		5.7-liter	52/48
	Overland	3.0-liter EcoDiesel	52/48
		3.6-liter	51/49
		5.7-liter	52/48
	Summit	3.0-liter EcoDiesel	52/48
		3.6-liter	50/50
		5.7-liter	52/48
4WD	Laredo	3.0-liter EcoDiesel	52/48
		3.6-liter	53/47
		5.7-liter	54/46
	Limited	3.0-liter EcoDiesel	54/46
		3.6-liter	52/48
		5.7-liter	53/47
	Overland	3.0-liter EcoDiesel	53/47
		3.6-liter	52/48
		5.7-liter	53/47
	Summit	3.0-liter EcoDiesel	53/47
		3.6-liter	51/49
		5.7-liter	53/47
SRT	3.0-liter EcoDiesel	53/47	
	6.4-liter	55/45	

WHEELS

Availability	Standard on Laredo
Type and Material	Painted machine cast-aluminum, 5-spoke
Size (inches)	17 x 8
Availability	Standard on Laredo E and Limited, available on Overland
Type and Material	Painted machine cast-aluminum, 10-spoke
Size (inches)	18 x 8
Availability	Standard on Overland, available on Limited
Type and Material	Polished machined cast-aluminum, 5-spoke
Size (inches)	20 x 8



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Availability	Standard on Summit
Type and Material	Polished machined cast-aluminum, twin 5-spoke (Satin Carbon painted with California Edition)
Size (inches)	20 x 8

Availability	Standard on SRT
Type and Material	Forged aluminum, polished, five-spoke "Goliath"
Size (inches)	20 x 10

Availability	Optional on SRT
Type and Material	Forged aluminum, Mineral Gray, split five-spoke
Size (inches)	20 x 10

Availability	Optional on SRT
Type and Material	Forged aluminum, Black Vapor Chrome, split five-spoke "Spider Money"
Size (inches)	20 x 10

TIRES

Availability	Standard — Laredo
Size and Type	P245/70R17
Mfr. and Model	Goodyear Fortera HL Black Sidewall All-Season
Revs per Mile	685

Availability	Standard — Limited; Optional — Laredo
Size and Type	265/60R18
Mfr. and Model	Michelin Premier LTX Black Sidewall All-Season
Revs per Mile	679

Availability	Standard — SRT
Size and Type	P295/45ZR20
Mfr. and Model	Pirelli Scorpion Verde – All-season Performance (run flat)
Revs per Mile	699



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Availability	Optional — SRT
Size and Type	P295/45ZR20
Mfr. and Model	Pirelli P-Zero – Three-season (run flat)
Revs per Mile	699
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 Mile	685
Availability	Optional — Overland/Summit/Limited
Size and Type	265/50R20
Mfr. and Model	Pirelli Scorpion Verde Black Sidewall All-Season
Revs per Mile	686
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 Mile	685
Parking Brake Type	Drum-in-hat
Four-wheel Anti-lock Brakes	Standard
Electronic stability control	Standard
All-speed traction control	Standard
Brake Assist	Standard



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TRAILER TOWING

	Engine	Axle Ratio	Maximum Trailer Weight lbs. (kg)
2WD	3.6-liter V-6	3.27	6200 (2818)
	3.0-liter EcoDiesel V-6	3.45	7400 (3400)
4WD	3.6-liter V-6	3.45	6200 (2818)
	5.7-liter V-8	3.09	7200 (3300)
	3.0-liter EcoDiesel V-6	3.45	7200 (3300)
	6.4-liter V-8	3.70	7200 (3266)

