



2013 Jeep Grand Cherokee SPECIFICATIONS

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	Multi-purpose vehicle
Introduction Date	Spring 1992 as a 1993 model

BODY/CHASSIS

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

ENGINE: 3.6-LITER DOHC V-6

Availability	Standard on all models (2WD and 4WD)
Type and Description	60-degree V-type, liquid-cooled
Displacement	220 cu. in. (3604 cu. cm) 3.78 x 3.27 (96.0 x 83.0)
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, multi-port, electronic, returnless
Construction	Aluminum deep-skirt block, aluminum alloy heads
Compression Ratio	10.2:1
Power (est.) (SAE J2723)	290 hp (209 kW) at 6,400 rpm
Torque (est.) (SAE J2723)	260 lb.-ft. (353 N•m) at 4,800 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R + M)/2
Oil Capacity	6.0 qt. (5.7-liter)
Coolant Capacity	14.0 qt. (13.25-liter)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features ^(a)
Max. Gross Trailer Weight	5,000 lbs. — 2WD and 4WD
EPA Fuel Economy mpg (city/hwy)	17/23 — 2WD 16/23 — 4WD
Assembly Plant	Trenton South Engine Plant, Trenton, Mich.



GRAND CHEROKEE SPECIFICATIONS

ENGINE: 5.7-LITER DOHC V-8

Availability	Optional on all models
Type and Description	90-degree V-type, liquid-cooled
Displacement	345 cu. in. (5654 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 qt. (6.6-liter)
Coolant Capacity	14.5 qt. (13.72-liter)
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)	14/20 — 2WD 13/20 — 4WD
Assembly Plant	Trenton South Engine Plant, Trenton, Mich.

(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).

TRANSMISSION: W5A580 AUTOMATIC, FIVE-SPEED OVERDRIVE

Availability	Included with 3.6-liter V-6 engine
Description	Electronic Range Select (ERS) driver-interactive manual control and electronically-modulated torque converter clutch
Gear Ratios	
1 st	3.59
2 nd	2.19
3 rd	1.41
4 th	1
5 th	0.83
Reverse	3.16
Final Drive Ratio	3.06:1
Overall Top Gear	2.54



GRAND CHEROKEE SPECIFICATIONS

TRANSMISSION: 65RFE AUTOMATIC, SIX-SPEED

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

TRANSFER CASE: MP 3010

Availability	Optional with 3.6-liter 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-liter and 5.7-liter 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

AXLES

Front

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

Rear

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



GRAND CHEROKEE SPECIFICATIONS

ELECTRICAL SYSTEM

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

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 (V-8) electro-hydraulic power steering (V-6)
Overall Ratio	18.9:1 — on center; 15.7:1 — at full lock
Turning Diameter (curb-to-curb) (ft./m)	37.1 (11.3)
Steering Turns (lock-to-lock)	3.67
P/S pump	Electro-hydraulic on V-6, hydraulic on V-8

BRAKES

Type	Power, Single-rate, tandem diaphragm vacuum, ABS
Availability	Standard
Front	
Rotor size and type	12.9 x 1.2 (328 x 30) vented disc
Caliper size and type	1.89 (48) two-piston pin-slider caliper
Swept area, (sq. in. / sq. cm)	282 (1820)
Rear	
Rotor size and type	12.6 x 0.55 (320 x 14) disc
Caliper size and type	1.89 (48) single-piston pin-slider caliper
Swept area, (sq. in. / sq. cm)	257 (1658)
Anti-lock Braking System (3-channel)	Standard — 4x2
Anti-lock Braking System (4-channel)	Standard — 4x4

DIMENSIONS AND CAPACITIES

Wheelbase	114.8 (2915)
Track, Front	63.9 (1623)
Track, Rear	64.1 (1627)
Overall Length	189.8 (4822)
Overall Width (Width at Mirrors)	84.8 (2154)
Body Width	76.5 (1943)
Overall Height (at Roof Rail / at Antenna)	69.3 (1761) / 70.0 (1779)
Load Floor Height	32.4 (822) — Standard Suspension / 31.8 (807) — Air Suspension



GRAND CHEROKEE SPECIFICATIONS

Sill Step Height	20.5 (520) — Standard Suspension / 20.0 (508) — Air Suspension
Ground Clearance (with P245/70R17 Tire and 3.6-liter engine)	8.6 (218) — Standard Suspension / 10.6 (270) — Air Suspension
Chassis (Fuel Tank)	9.6 (243) — Standard Suspension / 11.6 (294) — Air Suspension
Front Axle	9.3 (236) — Standard Suspension / 10.6 (269.5) — Air Suspension
Rear Axle	10.0 (253) — Standard Suspension / 12.0 (303.5) — Air Suspension
Approach Angle (degrees)	26.3 — Standard Suspension / 34.3 — Air Suspension (air-dam off)
Ramp Breakover Angle (degrees)	18.8 — Standard Suspension / 23.1 — Air Suspension
Departure Angle (degrees)	26.5 — Standard Suspension / 29.3 — Air Suspension
Frontal Area sq. ft. (sq. m)	31.0 (2.88)
Drag Coefficient	Approximately 0.37
Aero CdA	11.6 (Cd x cross-sectional area)
Fuel Tank Capacity, (gallons / liter)	24.6 (93.1)

ACCOMMODATIONS

Seating Capacity (front/rear)	2/3
SAE Total Interior Passenger Volume, (cu. ft. / cu. m)	105.4 (2.98)
Front	
Head Room	39.9 (1013)
Legroom	40.3 (1025)
Shoulder Room	58.7 (1491)
Hip Room	57.0 (1449)
Seat Travel	11.0 (280)
EPA Front Volume Index (cu. ft. / cu. m)	54.6 (1.55)
Rear	
Head Room	39.2 (995)
Legroom	38.6 (981)
Knee Clearance	4.3 (110)
Shoulder Room	58.0 (1474)
Hip Room	56.2 (1428)
EPA Rear Seat Volume Index (cu. ft. / cu. m)	50.8 (1.4)
Maximum Cargo Volume (cu. ft. / cu. m)	68.7 (1.95)
Behind Second-row Seats (cu. ft. / cu. m)	35.1 (0.99)
Total Passenger plus Cargo Volume (cu. ft. / cu. m)	140.5 (3.98)



GRAND CHEROKEE SPECIFICATIONS

WEIGHTS (Estimates)

	MODEL	ENGINE	GVWR ^(a) lbs. (kg)	CURB WEIGHT ^(b) lbs. (kg)	PAYLOAD ^(c) lbs. (kg)
2WD	Laredo	3.6-liter	6500 (2948)	4533 (2056)	1222 (554)
		5.7-liter	6500 (2948)	4851 (2201)	1235 (560)
	Limited	3.6-liter	6500 (2948)	4700 (2132)	1106 (501)
		5.7-liter	6500 (2948)	4969 (2254)	1118 (507)
	Overland	3.6-liter	6500 (2948)	4725 (2143)	1055 (478)
		5.7-liter	6500 (2948)	5039 (2286)	1055 (478)
	Overland Summit	3.6-liter	6500 (2948)	4725 (2143)	1055 (478)
		5.7-liter	6500 (2948)	5039 (2286)	1055 (478)
4WD	Laredo	3.6-liter	6500 (2948)	4632 (2101)	1377 (625)
		5.7-liter	6500 (2948)	5031 (2282)	1354 (614)
	Limited	3.6-liter	6500 (2948)	4890 (2218)	1221 (554)
		5.7-liter	6800 (3084)	5180 (2350)	1238 (562)
	Overland	3.6-liter	6500 (2948)	4955 (2247)	1159 (526)
		5.7-liter	6800 (3084)	5264 (2388)	1163 (527)
	Overland Summit	3.6-liter	6500 (2948)	4955 (2247)	1159 (526)
		5.7-liter	6800 (3084)	5264 (2388)	1163 (527)

(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).

WEIGHT DISTRIBUTION, F/R

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



GRAND CHEROKEE SPECIFICATIONS

TIRES

Standard — Laredo

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

Standard — Limited; Optional Laredo

Size and Type	P265/60R18
Mfr. and Model	Michelin Latitude Tour Black Sidewall All-Season
Revs per Mile	691

Standard — Overland; Optional Limited

Size and Type	P265/50R20
Mfr. and Model	Goodyear Fortera HL Black Sidewall All-Season
Revs per Mile	690

Optional — Laredo, Limited and Overland

Size and Type	P265/60R18
Mfr. and Model	Michelin Latitude Tour OWL All-Season
Revs per Mile	691

Standard — Overland Summit

Size and Type	P265/50R20
Mfr. and Model	Goodyear Fortera HL Black Sidewall All-Season
Revs per Mile	690

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^(a)

	ENGINE	AXLE RATIO	MAXIMUM TRAILER WEIGHT ^(b) lbs. (kg)
2WD	3.6-liter V-6	3.09	5000 (2269)
	5.7-liter V-8	3.45	7400 (3400)
4WD	3.6-liter V-6	3.09	5000 (2269)
	5.7-liter V-8	3.45	7200 (3300)

• • •