



**20 GRAND CHEROKEE 17**



**SUMMIT**

## 2017 Jeep® Grand Cherokee Trailhawk and Summit 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	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 Trailhawk and Summit
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)	260 lb.-ft.
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 <sup>(a)</sup>
Max. Gross Trailer Weight	6,200 lbs. — 2WD and 4WD
EPA Fuel Economy mpg (city/hwy)	19/26 — 2WD 18/25 — 4WD
Assembly Plant	Trenton South Engine Plant, Trenton, Mich.

### ENGINE: 5.7-LITER V-8

Availability	Optional — Trailhawk and Summit 4x4 models
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 <sup>(a)</sup>
Max. Gross Trailer Weight	7,200 lbs. (4x4)
EPA Fuel Economy mpg (city/hwy)	14/22 — 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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Availability	Optional — Trailhawk 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 Motoric Cento, Ferrara, Italy

**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

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5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30

**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 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



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### Rear

Differential Type	Conventional (optional Electronic Limited Slip on 3.6-liter V-6, 5.7-liter V-8 and EcoDiesel)
Availability	Standard on all engines
Ring Gear Diameter (in/mm)	7.7 (195) — V-6 4x4 (without eLSD) 9.1 (230) — V-6 4x2 (3.6-liter V-6, 5.7-liter V-8 and EcoDiesel)
Axle Ratios	3.27:1 — V-6 4x2 3.45:1 — V-6 and EcoDiesel 3.09:1 — 5.7-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 coil over shock absorbers, steel upper- and aluminum lower-control arms ("A" arms), aluminum knuckle, 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

### STEERING

Type	Electric rack and pinion
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
Caliper size and type	1.89 (48) two-piston pin-slider caliper
Swept Area (sq. in. / sq. cm)	282 (1,820)
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
Caliper size and type	1.89 (48) single-piston pin-slider caliper
Swept Area (sq. in. / sq. cm)	257 (1,658)

### DIMENSIONS AND CAPACITIES

Wheelbase	114.8 (2,915)
Track, Front	63.9 (1,623)
Track, Rear	64.1 (1,627)
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)
Load Floor Height	32.4 (822) — standard suspension 31.8 (807) — air suspension
Sill Step Height	20.5 (520) — standard suspension 20.0 (508) — air suspension
Ground Clearance (with 265/50R20 Tire and 3.6-liter engine)	10.8 (264) — air suspension (Pos#2)
Chassis (Fuel Tank)	10.7 (271) — air suspension (Pos#2)
Front Axle	9.7 (246) — air suspension (Pos#2)
Rear Axle	11.1 (282) — air suspension (Pos#2)



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Approach Angle (degrees)	25.7 w/air suspension 36.1 — air suspension (Off-Road II w/air-dam off); 29.8 (Off-Road II w/air dam on)
Ramp Breakover Angle (degrees)	22.8 — air suspension (Pos#2)
Departure Angle (degrees)	27.1 — air suspension (Pos#2)
Frontal Area (sq. ft. / sq. m)	31.0 (2.88)
Drag Coefficient	0.371
Aero CdA	11.5 (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

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)



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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)

### WEIGHTS (Estimates)

	MODEL	ENGINE	GVWR <sup>(a)</sup> lbs. (kg)	CURB WEIGHT <sup>(b)</sup> lbs. (kg)	PAYLOAD <sup>(c)</sup> lbs. (kg)
<b>2WD</b>	Summit	3.6-liter	6,500 (2,948)	4,744 (2,152)	1,130 (510)
		3.0-liter EcoDiesel	6,500 (2,948)	5,120 (2,332)	1,220 (555)
<b>4WD</b>	Trailhawk	3.6-liter	6,500 (2,948)	4,869 (2,209)	1,190 (540)
		5.7-liter	6,800 (3,084)	5,154 (2,338)	1,190 (540)
		3.0-liter EcoDiesel	6,800 (3,084)	5,326 (2,393)	1,190 (540)
	Summit	3.6-liter	6,500 (2,948)	4,952 (2,247)	1,150 (520)
		5.7-liter	6,800 (3,084)	5,192 (2,367)	1,050 (520)
		3.0-liter EcoDiesel	6,800 (3,084)	5,372 (2,437)	1,050 (520)

(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
<b>2WD</b>	Summit	3.6-liter	50/50
		3.0-liter EcoDiesel	52/48
<b>4WD</b>	Trailhawk	3.6-liter	52/48
		5.7-liter	54/46
		3.0-liter EcoDiesel	52/48
	Summit	3.6-liter	51/49
		5.7-liter	53/47
		3.0-liter EcoDiesel	53/47



**20 GRAND CHEROKEE 17****SUMMIT****WHEELS**

Availability	Standard on Trailhawk
Type and Material	Polished machine cast-aluminum with low gloss painted pockets
Size (inches)	18 x 8

Availability	Available on Trailhawk
Type and Material	Polished machine cast-aluminum with low gloss painted pockets
Size (inches)	20 x 8

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	Available on Summit
Type and Material	Polished Machine cast-aluminum with platinum finish
Size (inches)	20 x 8

**TIRES**

Availability	Standard on Trailhawk
Size and Type	265/60R18
Mfr. and Model	Goodyear All-Terrain Adventure with Kevlar
Revs per Mile	687

Availability	Available on Trailhawk
Size and Type	265/50R20
Mfr. and Model	Goodyear All-Terrain Adventure with Kevlar
Revs per Mile	687



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Availability	Standard on Summit
Size and Type	265/50R20
Mfr. and Model	Pirelli Scorpion Verde Black Sidewall All-Season
Revs per Mile	674
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 lbs. (kg)
<b>2WD</b>	3.6-liter V-6	3.27	6,200 (2,818)
	3.0-liter EcoDiesel V-6	3.45	7,400 (3,400)
<b>4WD</b>	3.6-liter V-6	3.45	6,200 (2,818)
	5.7-liter V-8	3.09	7,200 (3,300)
	3.0-liter EcoDiesel V-6	3.45	7,200 (3,300)

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