



2021 Jeep® Grand Cherokee L 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 | Detroit Assembly Complex – Mack Plant, Detroit, Michigan |
| EPA Vehicle Class | Multipurpose vehicle |
| Introduction Date | January 2021 as a 2021 model |

BODY AND CHASSIS

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

ENGINE: 3.6-LITER PENTASTAR V-6

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|----------------------|---|
| Availability | Standard — Laredo, Limited, Overland and Summit |
| Type and Description | 60-degree V-type, liquid-cooled |
| Displacement | 220 cu. in. (3,604 cu. cm) |
| Bore x Stroke | 3.78 x 3.27 (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 | 11.3:1 |
| Power (SAE J2723) | 293 hp @ 6,400 rpm |



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| Torque (SAE J2723) | 260 lb.-ft. @ 4,000 rpm |
| Max. Engine Speed | 6,700 rpm (electronically limited) |
| Fuel Requirement | Unleaded regular, 87 octane (R + M)/2 |
| Oil Capacity | 5.0 quarts (4.7 liters) |
| Coolant Capacity | 14.0 quarts (13.25 liters) |
| Emission Controls | Dual three-way catalytic converters, heated oxygen sensors and internal engine features |
| Max. Gross Trailer Weight | 6,200 lbs. — 2WD and 4WD |
| EPA Fuel Economy mpg (city/hwy/combined) | 19/26/21 — 2WD 18/25/21 — 4WD |
| Assembly Plant | Saltillo South Engine Plant, Saltillo, Mexico |

ENGINE: 5.7-LITER V-8

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| Availability | Optional — Overland and Summit (4x4 models only) |
| 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 (SAE J2723) | 357 hp (268 kW) @ 5,150 rpm |
| Torque (SAE J2723) | 390 lb.-ft. (520 N•m) @ 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) |



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| 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) |
| EPA Fuel Economy mpg (city/hwy/combined) | 14/22/17 — 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).

TRANSMISSION: TORQUEFLITE 8HP70 AUTOMATIC, EIGHT-SPEED OVERDRIVE

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| Availability | Standard — 3.6-liter and 5.7-liter models |
| Description | Driver-interactive manual control and electronically modulated torque converter clutch |
| 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 — 3.6-liter V-6 engine |
| Type | Single-speed electronically shifted |
| Operating Mode | Full-time Active 4WD |
| Low Range Ratio | None |
| Torque Split, Front/Rear | Variable |



TRANSFER CASE: MP 3022

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|--------------------------|--|
| Availability | Optional — 3.6-liter V-6 and 5.7-liter V-8 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

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|--------------------|--|
| Differential type | Conventional with Front Axle Disconnect |
| Availability | Standard on 4x4 models |
| Ring gear diameter | 7.7 in. (195mm) |
| Axle ratios | 3.45:1 — 3.6-liter V-6 and 5.7-liter V-8 |

Rear

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|--------------------|---|
| Differential type | Conventional (optional Electronic Limited Slip on 5.7-liter V-8) |
| Availability | Standard on all engines |
| Ring gear diameter | 7.7 in. (195mm) — V-6 4x4 9.1 in. (230mm) — V-6 4x2, 5.7-liter V-8 |
| Axle ratios | 3.45:1 — 3.6-liter V-6 and 5.7-liter V-8 |

ELECTRICAL SYSTEM

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|------------|--|
| Alternator | 160-amp; 180-amp; 220-amp or 240-amp depending on model |
| Battery | Maintenance-free H6 650 CCA + Auxiliary 200 CCA on engine stop-start (ESS) — Laredo, Limited H7 700 CCA + Auxiliary 200 CCA on engine stop-start (ESS) — Overland, Summit H7 700 CCA on V-8 (not equipped with ESS) |



SUSPENSION

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|-------|---|
| Front | Multi-link independent front suspension, coil springs, gas-charged, twin-tube coilover shock absorbers, all aluminum arms and knuckles |
| Rear | Multi-link rear suspension, coil spring, twin tube shocks (including load leveling for towing), all aluminum arms and knuckles (including extruded aluminum spring links) |

STEERING

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|---------------------------------|---|
| Type | Electric rack-and-pinion steering |
| Overall Ratio | 16.9:1 (V-6 4x2); 15.6:1 (all other vehicles) |
| Turning Diameter (curb-to-curb) | 38.3 ft. (11.7 m) |
| Steering Turns (lock-to-lock) | 2.9 (V-6 4x2), 3.0 (all other vehicles) |

BRAKES

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|--------------------------------------|--|
| Type | Electric boost |
| Availability | Standard |
| Front | |
| Rotor size and type Inches (mm) | 13.94 x 1.10 (354 x 28) vented disc |
| Caliper size and type Inches (mm) | 2.00 (51) two-piston pin-slider caliper |
| Swept area, (sq. in. / sq. cm) | 377 (2,432.25) |
| Rear | |
| Rotor size and type Inches (mm) | 13.78 x 0.87 (350 x 22) vented disc |
| Caliper size and type Inches (mm) | 2.00 (51) single-piston pin-slider EPB caliper |
| Swept area, (sq. in. / sq. cm) | 293.28 (1,892.12) |



DIMENSIONS AND CAPACITIES

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| Wheelbase | 121.7 (3,091) |
| Track, Front | 65.4 (1,660) |
| Track, Rear | 65.4 (1,660) |
| Overall Length | 204.9 (5,204) |
| Overall Width (width at mirrors) | 84.6 (2,149) |
| Overall Width (width with folded mirrors) | 77.3 (1,964) |
| Body Width | 77.9 (1,979) |
| Overall Height | 71.5 (1,815) — standard suspension 71.5 (1,817) — air suspension |
| Load Floor Height | 32.2 (817) — standard suspension 30.2 (767) — air suspension (with entry/exit enabled) |
| Sill Step Height | 20.2 (513) — standard suspension 18.4 (467) — air suspension (with entry/exit enabled) |
| Ground Clearance (with P265/50R20 tire and 3.6-liter engine) | 8.5 (215) — standard suspension 10.9 (276) — air suspension (Pos#2) |
| Chassis (fuel tank) | 10.3 (261) — standard suspension 12.6 (320) — air suspension (Pos#2) |
| Front Axle | 9.7 (246) — standard suspension 12.0 (305) — air suspension (Pos#2) |
| Rear Axle | 10.8 (275) — standard suspension 14.0 (355) — air suspension (Pos#2) |
| Approach Angle (degrees) | 20.6 — standard suspension 30.1 — air suspension (Overland, Pos#2) 28.2 — air suspension (Summit, Pos#2) |
| Ramp Breakover Angle (degrees) | 18.2 — standard suspension 22.6 — air suspension (Pos#2) |
| Departure Angle (degrees) | 21.5 — standard suspension 23.6 — air suspension (Pos#2) |
| Frontal Area sq. ft. (sq. m) | 31.95 |
| Drag Coefficient (Cd) | 0.357 |



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|---------------------------------------|----------------------------------|
| Aero CdA | 11.4 (Cd x cross-sectional area) |
| Fuel Tank Capacity, (gallons / liter) | 23 (87) |

ACCOMMODATIONS

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|--|---|
| Seating Capacity (front / rear) | 2/3/2 (second-row bucket seats or optional bench) |
| SAE Total Interior Passenger Volume, (cu. ft. / cu. m) | 159.1 (4.5) |
| Front Row | |
| Headroom | 39.8 (1,012) |
| Legroom | 41.3 (1,050) |
| Shoulder room | 59.2 (1,504) |
| Hip room | 57.4 (1,459) |
| Seat travel | 9.8 (250) |
| EPA front volume index (cu. ft. / cu. m) | 56.5 (1.6) |
| Second Row | |
| Headroom | 39.9 (1,014) |
| Legroom | 39.4 (1,000) |
| Knee clearance | 4.6 (118) |
| Shoulder room | 58.0 (1,474) |
| Hip room | 56.3 (1,429) |
| Seat travel | 7.1 (180) |
| EPA rear seat volume index (cu. ft. / cu. m) | 52.8 (1.5) |
| Third Row | |
| Headroom | 37.3 (947) |
| Legroom | 30.3 (770) |
| Knee clearance | 0.6 (15) |
| Shoulder room | 51.9 (1,317) |



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|--|--------------|
| Hip room | 42.9 (1,090) |
| EPA rear seat volume index (cu. ft. / cu. m) | 32.6 (0.92) |
| Cargo volume behind first-row seats (cu. ft. / cu. m) | 84.6 (2.39) |
| Behind second-row seats (cu. ft. / cu. m) | 46.9 (1.33) |
| Behind third-row seats (cu. ft. / cu. m) | 17.2 (0.49) |

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) | 4,524 (2,052) | 1,370 (620) |
| | Limited | 3.6-liter | 6,500 (2,948) | 4,541 (2,060) | 1,400 (635) |
| | Overland | 3.6-liter | 6,500 (2,948) | 4,707 (2,135) | 1,230 (560) |
| | Summit | 3.6-liter | 6,500 (2,948) | 4,752 (2,155) | 1,240 (560) |
| 4WD | Laredo | 3.6-liter | 6,500 (2,948) | 4,658 (2,113) | 1,370 (620) |
| | Limited | 3.6-liter | 6,500 (2,948) | 4,692 (2,128) | 1,400 (635) |
| | Overland | 3.6-liter | 6,700 (3,039) | 4,997 (2,267) | 1,270 (575) |
| | | 5.7-liter | 6,900 (3,130) | 5,226 (2,370) | 1,250 (565) |
| Summit | 3.6-liter | 6,700 (3,039) | 5,068 (2,299) | 1,210 (560) | |
| | 5.7-liter | 6,900 (3,130) | 5,279 (2,395) | 1,190 (540) | |

(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 | 50/50 |
| | Limited | 3.6-liter | 50/50 |
| | Overland | 3.6-liter | 50/50 |
| | Summit | 3.6-liter | 50/50 |
| 4WD | Laredo | 3.6-liter | 52/48 |
| | Limited | 3.6-liter | 51/49 |
| | Overland | 3.6-liter | 50/50 |
| | | 5.7-liter | 52/48 |
| | Summit | 3.6-liter 5.7-liter | 50/50 52/48 |

WHEELS

| | |
|-------------------|--|
| Availability | Standard on Laredo |
| Type and material | Painted cast aluminum in Fine Silver |
| Size (inches) | 18 x 8 |
| Availability | Standard on Limited |
| Type and material | Painted cast aluminum in Low-Gloss Highlight Silver |
| Size (inches) | 18 x 8 |
| Availability | Optional on Limited |
| Type and material | Polished aluminum with High-Gloss Technical Gray pockets |
| Size (inches) | 20 x 8.5 |
| Availability | Standard on Overland |
| Type and material | Machined cast aluminum with Black Noise pockets |
| Size (inches) | 20 x 8.5 |
| Availability | Optional on Overland (with Off-Road Group) |
| Type and material | Polished aluminum with High-Gloss Black pockets |



| | |
|-------------------|---|
| Size (inches) | 18 x 8 |
| Availability | Standard on Summit |
| Type and material | Polished cast aluminum in Mid-Gloss Clear |
| Size (inches) | 20 x 8.5 |

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|-------------------|---|
| Availability | Standard with Summit Reserve Package |
| Type and material | Machined cast aluminum with Mid-Gloss Granite Crystal pockets |
| Size (inches) | 21 x 9 |

TIRES

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|--------------------|---|
| Availability | Standard – Laredo and Limited |
| Size and type | 265/60R18 |
| Mfr. and model | Michelin Primacy XC All-Season or Michelin Primacy LTX All-Season |
| Revs per kilometer | 422 |

| | |
|--------------------|---|
| Availability | Standard — Overland; Optional — Limited |
| Size and type | 265/50R20 |
| Mfr. and model | Bridgestone Ecopia H/L 422 Plus Black Sidewall All-Season |
| Revs per kilometer | 425 |

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|--------------------|--|
| Availability | Optional — Overland (packaged with Off-road Group) |
| Size and type | 265/60R18 |
| Mfr. and model | Michelin Primacy XC All-Season |
| Revs per kilometer | 422 |

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| Availability | Standard — Summit |
| Size and type | 265/50R20 |
| Mfr. and model | Pirelli Scorpion Verde Black Sidewall All-Season |
| Revs per kilometer | 419 |



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|------------------------------|--|
| Availability | Optional — Summit (included with Summit Reserve Package) |
| Size and type | 275/45R21 |
| Mfr. and model | Continental CrossContact |
| Revs per kilometer | 419 |
| Parking Brake Type | Drum-in-hat |
| Four-wheel Antilock Brakes | Standard |
| Electronic Stability Control | Standard |
| All-speed Traction Control | Standard |
| Brake Assist | Standard |

TRAILER TOWING

| | Engine | Axle Ratio | Maximum Trailer Weight lbs. (kg) |
|------------|---------------|------------|----------------------------------|
| 2WD | 3.6-liter V-6 | 3.45 | 6,200 (2,818) |
| 4WD | 3.6-liter V-6 | 3.45 | 6,200 (2,818) |
| | 5.7-liter V-8 | 3.45 | 7,200 (3,300) |

