

2021 Jeep® Gladiator 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	Midsized truck
Assembly Plant	Toledo Supplier Park, Toledo, Ohio
EPA Vehicle Class	Midsized truck
Introduction Date	2019

BODY AND CHASSIS

Layout	Longitudinal front engine, four-wheel drive
Construction	Ladder-type frame, open steel and aluminum body

ENGINE: 3.6-LITER PENTASTAR V-6

Availability	Standard — all models
Type and Description	60-degree, V-type, liquid-cooled
Displacement (cu. in. / cc)	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 net) (hp / kW@rpm)	285 hp (209 kW) at 6,400 rpm
Torque (SAE net) (lb.-ft. / N•m)	260 lb.-ft. (353 N•m) at 4,400 rpm
Max. Engine Speed (rpm)	6,600 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R + M)/2
Fuel Tank Capacity (gallons)	22
Oil Capacity	5.7 quarts (5.4 liters)
Coolant Capacity	10 quarts (10.1 liters)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features ^(a)
Max. Gross Trailer Weight	7,650 lbs.

EPA Fuel Economy mpg (city/hwy/combined)	17/22/19 — automatic
	16/23/19 — manual
Assembly Plant	Saltillo South Engine Plant, Saltillo, Coahuila, Mexico

ENGINE: 3.0-LITER ECODIESEL V-6

Availability	Available – Sport, Rubicon, Overland
Type and Description	60-degree diesel V-6
Displacement	182 cu. in. (2,987 cu. cm)
Bore x Stroke	3.27 x 3.60 (83 x 92)
Valve System	Chain driven DOHC, 24 valves, hydraulic lash adjusters with roller fingers follower
Fuel Injection	Common rail, 29,000 psi (2000 bar), solenoid injectors
Construction	Compacted graphite iron cylinder block, aluminum alloy heads
Compression Ratio	16.0:1
Power	260 hp (194 kW) @ 3,600 rpm
Torque	442 lb.-ft. (600 N•m) @ 1,400-2,800 rpm
Max. Engine Speed	4,600 rpm
Fuel Requirement	Ultra-low sulfur diesel
Fuel Tank Capacity (gallons)	18.3 (4-door)
Oil Capacity	9.0 quarts (8.5 liters)
Coolant Capacity	12.3 quarts (11.6 liters)
Emission Controls	High-pressure EGR, low-pressure EGR, oxidation catalyst, diesel particulate filter, SCR with urea injection
Max. Gross Trailer Weight	6,500 lbs.
EPA Fuel Economy mpg (city/hwy)	22/28/24 — Sport and Overland 20/25/22 — Rubicon
Assembly Plant	Cento, Italy

TRANSMISSION: 850RE AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Optional — 3.6-liter V-6
Description	Adaptive electronic control or Electronic Range Select (ERS) driver-interactive manual control and electronically modulated torque converter clutch
Gear Ratios	
1st	4.71
2nd	3.13
3rd	2.10

4th	1.67
5th	1.28
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30

TRANSMISSION: D478 MANUAL, SIX-SPEED WITH OVERDRIVE

Availability	Standard — 3.6-liter V-6
Description	Synchronized in all forward gears and reverse; multi-rail shift system with top-mounted shift lever
Gear Ratios	
1st	5.13
2nd	2.63
3rd	1.53
4th	1.00
5th	0.81
6th	0.72
Reverse	4.49
Final Drive Ratio	3.73 (Sport, Overland), 4.10 (Rubicon, Mojave, Sport Max. Tow)

TRANSMISSION: 8HP75 AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard – 3.0-liter EcoDiesel V-6
Description	Adaptive electronic control or Electronic Range Select (ERS) driver-interactive manual control and electronically modulated torque converter clutch
Gear Ratios	
1 st	4.71
2nd	3.13
3 rd	2.10
4 th	1.67
5 th	1.28
6 th	1.00
7 th	0,84
8 th	0.67
Reverse	3.30

TRANSFER CASE: NV241 COMMAND-TRAC (MP1622)

Available	Standard — Sport, Overland, Mojave
Type	Part-time
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low Range Ratio	2.72:1
Axle Ratio	3.73 / 4.10 (Mojave, Sport Max. Tow)

TRANSFER CASE: MP3022 SELEC-TRAC

Available	Optional — all models
Type	Full-time
Operating Modes	2WD High; Auto; 4WD High; Neutral; 4WD Low
Low Range Ratio	4.0:1
Axle Ratio	3.45 standard 3.73 / 4.10 (Mojave, Sport Max. Tow, Rubicon)

TRANSFER CASE: NV241OR ROCK-TRAC (MP1622OR)

Available	Standard — Rubicon
Type	Part-time
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low Range Ratio	4.0:1
Axle Ratio	4.10

AXLES

Front	3rd generation Dana heavy-duty axles
Differential type	Open (Sport, Sport S, Overland, Mojave) or Tru-Lok electronic locking (Rubicon)
Axle ratios	3.73, 4.10
Rear	3rd generation Dana heavy-duty axles
Differential type	Open (Sport, Overland) with available Trac-Lok anti-spin Tru-Lok electronic locking (Mojave, Rubicon)
Axle ratios	3.73, 4.10 (standard on Sport Max. Tow, Mojave, Rubicon)

ELECTRICAL SYSTEM

Alternator (standard)	180 amp (standard), 220 amp (Premium Audio Package) or 240 amp (HD, Off-road Package)
Battery	H6 650 CCA (standard) or H7 700 CCA (HD Package)

SUSPENSION

Front	Solid axle, link coil, leading arms, track bar, coil springs, stabilizer bar, FOX hydraulic jounce bumper (Mojave exclusive)
Stabilizer bar	Electronic Sway-bar Disconnect System — standard, Rubicon
Shock type	Sport and Overland: Gas-charged monotube shock absorbers with Multi-tuned Valve (MTV) technology
	Mojave: FOX 2.5-in. diameter aluminum internal bypass shock absorbers with external reservoirs
	Rubicon: High-pressure gas-charged FOX aluminum monotube shock absorbers with hydraulic rebound stop
Rear	Solid axle, link coil, trailing arms, track bar, coil springs, stabilizer bar
Shock type	Sport and Overland: Gas-charged monotube shock absorbers with Multi-tuned Valve (MTV) technology
	Mojave: FOX 2.5-in.diameter aluminum internal bypass shock absorbers with External Reservoirs
	Rubicon: High-pressure, gas-charged FOX aluminum monotube shock

STEERING

Type	Electro-hydraulic power
Overall ratio	13.3:1
Turning diameter (curb-to-curb) (ft./m)	44.5 – Sport, Overland, 44.8 – Rubicon, 45.0 - Mojave
Steering turns (lock-to-lock)	3.24
P/S pump	Electro-hydraulic

BRAKES

Type	Power-assisted, anti-lock braking system
Availability	Standard
Front	
Rotor size and type	12.9 x 1.1 (330 x 28) vented rotor
Caliper size and type	2 (51) twin-piston floating caliper
Rear	
Rotor size and type	13.6 x .86 (345 x 22) vented rotor
Caliper size and type	2 (51) single-piston floating caliper

DIMENSIONS AND CAPACITIES

Wheelbase	137.3 (3,487)
Overhang — Front	29.7 (755)

Overhang — Rear	51.0 (1,296)
Track — Front	62.9 (1,598) Sport, Overland / 64.4 (1,636) Sport Max. Tow, Rubicon / 65 (1,650) Mojave
Track — Rear	62.9 (1,598) Sport, Overland / 64.4 (1,636) Sport Max. Tow, Rubicon / 65 (1,650) Mojave
Overall Length	218.0 (5,539)
Overall Width	73.8 (1,875)
Overall Height – Soft Top	75.0 (1,907) / 76.1 (1,933) – Rubicon
Overall Height – Hardtop	73.1 (1,857) / 74.1 (1,882) – Rubicon
Box Volume	35.5 cu. ft. (1.0 cu. m)
Box Length, Tailgate Closed	60.3 (1,531)
Box Length, Tailgate Opened	81.3 (2,067)
Cargo Width – Lift Gate	56.8 (1,442)
Cargo Height – Lift Gate	33.9 (861)
Liftover Height	29.7 (755)
Load Floor Height – Axle	33.3 (845)
Distances Between Wheelhouses	44.8 (1,137)
Tailgate Opening Width	50 (1,270)
Open Tailgate to Ground	34.8 (885)

CLEARANCES

	245/75R17 Standard on Sport	255/70R18 Standard on Overland	LT285/70R17 Standard on Mojave	LT285/70R17 Standard on Rubicon
Approach Angle (degrees)	40.8	40.8	44.7	43.4
Breakover Angle (degrees)	18.4	18.4	20.9	20.3
Departure Angle (degrees)	25	25	25.5	26
Ground Clearance (inches)	10 (253)	10 (253)	11.6	11.1 (283)

CURB WEIGHT

3.6-liter Pentastar V-6

Jeep Gladiator Sport	
Automatic transmission (lbs./kg)	4,672 (2,119)
Manual transmission (lbs./kg)	4,650 (2,109)
Jeep Gladiator Sport S	
Automatic transmission (lbs./kg)	4,672 (2,119)
Manual transmission (lbs./kg)	4,650 (2,109)

Jeep Gladiator Overland

Automatic transmission (lbs./kg)	4,742 (2,137)
Manual transmission (lbs./kg)	4,720 (2,141)

Jeep Gladiator Mojave

Automatic transmission (lbs./kg)	4,974 (2,256)
Manual transmission (lbs./kg)	4,952 (2,246)

Jeep Gladiator Rubicon

Automatic transmission (lbs./kg)	5,072 (2,301)
Manual transmission (lbs./kg)	5,050 (2,291)

*weights differ by transmission called out

ACCOMMODATIONS

Seating Capacity (front/rear)	2/3
SAE Total Interior Passenger Volume, (cu. ft. / cu. m)	103 (2.91)

Front

Headroom	42.8 (1,087) soft top / 40.8 (1036) hardtop
Legroom	41.2 (1,038)
Shoulder room	55.7 (1,417)
Hip room	53.9 (1,370)
Seat travel	9.4 (239.5)
EPA front volume index	53.7 (1.52)

Rear

Headroom	42.8 (1,087) soft top / 40.8 (1036) hardtop
Legroom	38.3 (966)
Knee clearance	2.7 (69)
Shoulder room	55.7 (1,416)
Hip room	55.9 (1,421)
EPA rear seat volume index (cu. ft. / cu. m)	49.2 (1.39)
Liftover Height	29.7 (755)

WHEELS

Availability	Standard (Sport)
Type and material	Fully painted steel with Low Gloss Black
Size	17 x 7.5 in.

Availability	Standard (Sport S)
Type and material	Fully painted cast-aluminum with High Gloss Tech Silver
Size	17 x 7.5 in.

Availability	Standard (Overland)
Type and material	Fully painted aluminum with High Gloss Granite Crystal
Size	18 x 7.5 in.

Availability	Standard (Mojave)
Type and material	Fully painted with Low Gloss Global Black cast aluminum
Size	17 x 7.5 in.

Availability	Optional (Mojave)
Type and material	Fully painted, polish / painted textured Low Gloss Black cast aluminum
Size	17 x 7.5 in.

Availability	Standard (Rubicon)
Type and material	Fully painted with Granite Crystal aluminum
Size	17 x 7.5 in.

Availability	Optional (Rubicon)
Type and material	Painted pocket with Mid Gloss paint and polished cast-aluminum
Size	17 x 7.5 in.

TIRES

Availability	Standard (Sport)
Size and type	245/75R17, on/off-road, black sidewall
Mfr. and model	Bridgestone Dueler HT 685, Bridgestone Dueler AT RH-S
Revs per mile (km)	661 (411) Bridgestone Dueler HT 685 and AT RH-S

Availability	Standard (Sport S)
Size and type	245/75R17, on/off-road, black sidewall
Mfr. and model	Bridgestone Dueler HT 685, Bridgestone Dueler AT RH-S
Revs per mile (km)	661 (411)

Availability	Standard (Overland)
Size and type	255/70R18
Mfr. and model	Bridgestone Dueler HT 685
Revs per mile (km)	404 (650)
Availability	Standard (Mojave)
Size and type	LT285/70R17C
Mfr. and model	Falken Wildpeak A/T
Revs per mile (km)	617 (383)
Availability	Optional (Mojave)
Size and type	LT285/70R17C
Mfr. and model	Falken Wildpeak M/T
Revs per mile (km)	617 (383)
Availability	Standard (Rubicon)
Size and type	LT285/70R17C
Mfr. and model	Falken Wildpeak A/T
Revs per mile (km)	617 (383)
Availability	Optional (Rubicon)
Size and type	LT285/70R17C
Mfr. and model	Falken Wildpeak M/T
Revs per mile (km)	617 (383)
Four-wheel Anti-lock Brakes	Standard
Electronic Stability Control	Standard
All-speed Traction Control	Standard

TOWING CAPACITIES⁽¹⁾

GLADIATOR SPORT

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6-liter V-6 gas	M6	D478 6-speed manual	3.73	1,700	4,650	2,465	2,186	3,100	3,750	9,100	4,000
3.6-liter V-6 gas	A8	850RE 8-speed automatic	3.73	1,105	4,691	2,486	2,205	3,100	3,750	9,650	4,500
3.6-liter V-6 gas	A8	850RE 8-speed automatic	4.10	1,535	4,712	2,497	2,215	3,100	3,750	12,800	7,650
3.0-liter diesel	A8	8HP75 8-speed automatic	3.73	1,325	4,988	2,733	2,255	3,200	3,750	11,800	6,500
3.0-liter diesel*	A8	8HP75 8-speed automatic	3.73	1,325	4,972	2,725	2,247	3,200	3,750	11,800	6,500

1. GCWR = Base Weight + Maximum Trailer Weight + 150 lbs. for driver. * Sport S model

GLADIATOR OVERLAND

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6-liter V-6 gas	M6	D478 6-speed manual	3.73	1,140	4,720	2,502	2,218	3,100	3,750	9,100	4,000
3.6-liter V-6 gas	A8	850RE 8-speed automatic	3.73	1,120	4,676	2,478	2,198	3,100	3,750	11,100	6,000
3.0-liter diesel	A8	8HP75 8-speed automatic	3.73	1,275	5,041	2,756	2,285	3,200	3,750	11,800	6,500

1. GCWR = Base Weight + Maximum Trailer Weight + 150 lbs. for driver.

GLADIATOR MOJAVE

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6-liter V-6 gas	M6	D478 6-speed manual	4.10	1,200	4,948	2,622	2,326	3,100	3,750	9,900	4,500
3.6-liter V-6 gas	A8	850RE 8-speed automatic	4.10	1,200	4,970	2,634	2,336	3,100	3,750	11,450	6,000
3.0-liter diesel	A8	8HP75 8-speed automatic	3.73	1,175	5,141	2,816	2,325	3,200	3,750	11,800	6,500

1. GCWR = Base Weight + Maximum Trailer Weight + 150 lbs. for driver.

GLADIATOR RUBICON

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6-liter V-6 gas	M6	D478 6-speed manual	4.10	1,200	5,050	2,677	2,374	3,100	3,750	10,000	4,500
3.6-liter V-6 gas	A8	850RE 8-speed automatic	4.10	1,160	5,072	2,688	2,384	3,100	3,750	12,450	7,000
3.0-liter diesel	A8	8HP75 8-speed automatic	3.73	1,075	5,352	2,887	2,465	3,400	3,750	12,100	6,000

1. GCWR = Base Weight + Maximum Trailer Weight + 150 lbs. for driver.

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