

Jeep Renegade

Technical specifications

Specifications are based on the latest product information available at the time of publication.

All dimensions are in millimeters at curb weight and with standard wheels and tires unless otherwise noted.

Note: Information shown is correct at time of publication, and is subject to change without notice.

GENERAL INFORMATION

Body Style	Sport-utility vehicle (SUV)
Assembly Plant	SATA plant, Melfi, Italy

BODY AND CHASSIS

Layout	Transverse front engine, 4x2 and 4x4
Construction	Steel uniframe

ENGINE: 1.4-LITER MULTIAIR2 TURBO WITH STOP&START

Availability	Sport, Longitude (4x2)
Type and Description	In-line four-cylinder, liquid-cooled, , turbocharged
Displacement	1,368 cc
Bore x Stroke	72.0 x 84.0 mm
Valve System	Belt-driven, MultiAir2, SOHC, 16 valves, hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	Cast iron block with aluminum-alloy heads and aluminum-alloy bedplate
Compression Ratio	9.8:1
Power (SAE net)	140 hp @ 5,500 rpm
Torque (SAE net)	230 Nm@ 1,750 rpm
Max. Engine Speed	6,500 rpm (electronically limited)
Oil Capacity	3.8 liter with dry filter
Coolant Capacity	5.2 liter
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features
Towing	1,000 kg
EU Emissions Standard	Euro 6
Engine Assembly Plant	Termoli, Italy

ENGINE: 1.4-LITER MULTIAIR2 TURBO WITH STOP&START

Availability	Limited (4x4)
Type and Description	In-line four-cylinder, liquid-cooled, turbocharged

Displacement	1,368 cc
Bore x Stroke	72.0 x 84.0 mm
Valve System	Belt-driven, MultiAir2, SOHC, 16 valves, hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	Cast-iron block with aluminum-alloy head and aluminum-alloy bedplate
Compression Ratio	9.8:1
Power (SAE)	170 hp @ 5,500 rpm
Torque (SAE)	250 Nm@ 2,500 rpm
Max. Engine Speed	6,500 rpm (electronically limited)
Oil Capacity	3.8 liter; with dry filter
Coolant Capacity	5.2 liter
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features
Towing	1,000 kg
EU Emissions Standard	Euro 6
Engine Assembly Plant	Termoli, Italy

ENGINE: 2.4-LITER MULTIAIR2 TIGERSHARK (only in Russia, Africa and Middle East)

Availability	Sport (4x2), Longitude and Trailhawk (4x4) only in Russia, Africa & Middle East
Type and Description	In-line four-cylinder, 16-valve MultiAir with multiport fuel injection
Displacement	2,360 cc
Bore x Stroke	88 X 97
Valve System	SOHC, four valves per cylinder
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	Aluminum block, aluminum cylinder head
Compression Ratio	10:1
Power (SAE net — estimated)	185 hp @ 6,400 rpm
Torque (SAE net — estimated)	232 Nm @ 4,800 rpm
Max. Engine Speed	6,500 rpm
Oil Capacity	5.2 liter
Coolant Capacity	6.45 liter
Emission Controls	Single catalytic converter, heated wide band lambda sensor upstream and mid-catalyst heated oxygen sensor
Towing	907 kg
EU Emissions Standard	Euro 6
Engine Assembly Plant	Dundee Engine Plant, Dundee, Mich.

ENGINE: 1.6-LITER E.TORQ

Availability	Sport (4x2)
Type and Description	In-line four-cylinder, 16-valve with port fuel injection
Displacement	1,598 cc
Bore x Stroke	77 mm X 85.8 mm
Valve System	SOHC, 4 valves per cylinder
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	High pressure die casting aluminum block, aluminum cylinder head
Compression Ratio	11.0:1
Power (SAE net — estimated)	110 hp @ 5,500 rpm
Torque (SAE net — estimated)	152 Nm @ 4,500 rpm
Max. Engine Speed	6,500 rpm
Oil Capacity	4.6 liter
Coolant Capacity	5.6 liter
Emission Controls	Single catalytic converter, heated switching lambda sensor upstream and heated switching lambda sensor downstream
Towing	1,000 kg
EU Emissions Standard	Euro 6
Engine Assembly Plant	Campo Largo, Brazil

ENGINE: 1.6-LITER MULTIJET II TURBODIESEL WITH STOP&START

Availability	Sport (4x2)
Type and Description	In-line four-cylinder, 16 valve MultiJet common-rail
Displacement	1,598 cc
Bore x Stroke	79.5 X 80.5
Valve System	DOHC, four valves per cylinder
Fuel Injection	1,600-bar common-rail
Construction	Cast-iron block; aluminum cylinder head
Compression Ratio	16.5:1
Power (SAE net — estimated)	120 hp @ 3,750 rpm
Torque (SAE net — estimated)	320 Nm @ 1,750 rpm
Max. Engine Speed	5,000 rpm
Oil Capacity	5.2 liter
Coolant Capacity	6.1 liter
Emission Controls	Close-coupled DPF, low-pressure cooled EGR

Towing	1,000 kg
EU Emissions Standard	Euro 5+
Engine Assembly Plant	Pratola Serra, Italy
ENGINE: 2.0-LITER MULTIJET II TURBODIESEL WITH STOP&START	
Availability	Longitude, Limited and Trailhawk 4x4
Type and Description	In-line four-cylinder, 16-valve MultiJet II common-rail
Displacement	1,956 cc
Bore x Stroke	83 X 90.4
Valve System	DOHC, four valves per cylinder
Fuel Injection	1,600-bar common-rail
Construction	Cast-iron block, aluminum cylinder head
Compression Ratio	16.5:1
Power (SAE net — estimated)	140 hp @ 3,750 rpm 170 hp @ 3,750 rpm
Torque (SAE net — estimated)	350 Nm@ 1,750 rpm
Max. Engine Speed	5,000 rpm
Oil Capacity	5.2 liter
Coolant Capacity	6.5 liter
Emission Controls	Close-coupled DPF, low-pressure cooled EGR
Towing	1,500 kg
EU Emissions Standard	Euro 6
Engine Assembly Plant	Pratola Serra, Italy
948TE NINE-SPEED AUTOMATIC TRANSMISSION	
Availability	1.4-liter MultiAir2 Turbo engine with Stop&Start (4x4) 2.4-liter MultiAir2 Tigershark engine (4x2 or 4x4) 2.0-liter MultiJet II engine with Stop&Start (4x4)
Description	Planetary gear train, transverse layout
Ratio Spread	9.79
Gear Ratios	
1st	4.70
2nd	2.84
3rd	1.91
4th	1.38
5th	1.00
6th	0.81

7th	0.70
8th	0.58
9th	0.48
Reverse	3.81
Axle Ratios	1.4-liter 4x4 — 4.334 2.0-liter 4x4 — 4.334 2.4-liter 4x2 — 3.734 2.4-liter 4x4 (non-Trailhawk) — 3.734 2.4-liter 4x4 (Trailhawk) — 4.334

C635 SIX-SPEED MANUAL TRANSMISSION

Availability	1.4-liter MultiAir2 Turbo engine (4x2) 1.6-liter MultiJet II engine with Stop&Start (4x2) 2.0-liter MultiJet II engine with Stop&Start (4x4)
Description	1st, 2nd, 3rd gear: Triple cone 4th: Double cone
Gear Ratios	
1st	4.154
2nd	2.118
3rd	1.361
4th	0.978
5th	0.756
6th	0.622
Reverse	4.00
Final-drive Ratio	3.833
Overall Top Gear	2.38

C635 SIX-SPEED DUAL DRY CLUTCH TRANSMISSION (DDCT)

Availability	1.4-liter MultiAir2 Turbo engine with Stop&Start (4x2)
Description	1st, 2nd, 3rd gear: Triple cone 4th and reverse: Double cone 5th and 6th gear: Single cone
Gear Ratios	
1st	4.15
2nd	2.26
3rd	1.35
4th	0.97
5th	0.75

6th	0.62
Reverse	4.00
Final-drive Ratio	4.43
Overall Top Gear	2.38

C510 PERFORMANCE FIVE-SPEED MANUAL TRANSMISSION:

Availability	1.6-liter E.torQ engine with Stop&Start (4x2)
Description	1st, 2nd gear: Dual cone 3rd, 4th, 5th, gear: Single cone
Gear Ratios	
1st	4.273
2nd	2.238
3rd	1.444
4th	1.029
5th	0.838
Reverse	3.909
Final-drive Ratio	3.929
Overall Top Gear	3.39

4X4 SYSTEMS: JEEP ACTIVE DRIVE, JEEP ACTIVE DRIVE LOW

Availability	Jeep Active Drive is optional on all models Jeep Active Drive Low is standard on Trailhawk (optional on Limited)
Type	Fully disconnecting 4x2 mode with automatic 4x4 engagement Full-time 4x4 mode with active on demand clutch
Operating Modes	Auto 4x2/4x4, Neutral
Center Differential Type	None
Terrain Response	Unique tuning in all terrain modes
Crawl Ratio	20:1

SUSPENSION

Front	McPherson strut, coil springs, flat front steel crossmember, high-strength steel double shell lower control arms for 4x4 and high-strength steel mono shell lower control arms for 4x2, stabilizer bar
Rear	McPherson strut, high-strength steel links, isolated steel rear cradle for 4x4 and not-isolated for 4x2, coil springs, stabilizer bar

STEERING

Type	Electric power rack and pinion
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Overall Ratio	15:7
Turning Diameter (curb-to-curb)	11.07 m 4x2 and 4x4 10.76 m (Trailhawk 4x4 LOW)
Steering Turns (lock-to-lock)	2.68 (4x2 and 4x4) 2.76 (Trailhawk 4x4 LOW)

BRAKES

Front

Size and Type	305 x 28 mm vented rotor with 60 mm single-piston floating caliper
	281 x 26 mm vented rotor with 57 single-piston floating caliper (1.4-liter 140 hp)
Swept Area (per caliper)	895.3 sq. cm., 1 x 60 747.6 sq. cm., 1 x 57 (1.4-liter 140 hp)

Rear

Size and Type	278 x 12 mm solid rotor with 38 mm single-piston floating caliper
Swept Area (per caliper)	656.4 sq. cm., 1 x 38
Power-assist Type	254 mm vacuum assist
Four-wheel anti-lock brake system (ABS)	Standard
Electronic stability control (ESC)	Standard
Parking Brake Type	Electric motor on caliper

DIMENSIONS AND CAPACITIES (mm)

Wheelbase	2,570
Track, Front	1,541
Track, Rear	1,541
Overall Length	4,236
Overall Width	1,805
Overall Height	1,667 (4x2)/1,697 (4x4 TRAILHAWK)
Ground Clearances	175 4x2 198 4x4 210 Trailhawk 4x4 LOW
Approach Angle, (with air dam) (degrees)	17.9 4x2 21.0 4x4 30 Trailhawk 4x4 LOW

Breakover Angle (degrees)	21.2 4x2
	23.5 4x4
	24.0 Trailhawk 4x4 LOW
Departure Angle (degrees)	29.7 4x2
	32.1 4x4
	34 Trailhawk 4x4 LOW
Aero Cd	0.34 4x2
	0.36 4x4
	0.37 Trailhawk 4x4
Fuel-tank Capacity	48 liters

ACCOMMODATIONS

Seating Capacity — Front/Rear	2/3
Front Row	
Head Room without Sunroof	1,045
Head Room with Sunroof	1,009
Legroom	1,046
Shoulder Room	1,419
Hip Room	1,348
Second Row	
Head Room	1,029
Legroom	887
Shoulder Room	1,400
Hip Room	1,319
SAE Cargo Volume	
Rear Seats Up (liters)	351 L
Rear Seats Folded (liters)	1,297 L

PERFORMANCE

	1.6L E.TORQ	1.4L MultiAir2 Turbo (MTX 6) 4x2	1.4L MultiAir2 Turbo (DDCT) 4x2	1.4L MultiAir2 Turbo (ATX 9) 4x4
Acc. 0–100 km/h	11.8	10.9	11	8.8
Top speed (km/h)	178	181	181	196
Fuel consumption (l/100 km, EU-standard)				
Urban cycle	7.8	7.6	7.5	8.8

Extra-urban cycle	5.0	5.1	5.0	5.8
Combined cycle	6.0	6.0	5.9	6.9
CO ₂ combined cycle (g/km)	141	140	137	160
Emissions class	Euro 6	Euro 6	Euro 6	Euro 6

PERFORMANCE

	1.6L MultiJet Diesel 4x2	2.0L Multijet Diesel (MTX6) 4x4 140 HP	2.0L Multijet Diesel 4x4 low (ATX 9) 140-170 HP	2.4L MultiAir2 TIGERSHARK
Acc. 0–100 km/h	10.2	9.5	10.2(140 HP)/8.9 (170 HP)	NA
Top speed (km/h)	178	182	182 (140 HP)/196 (170 HP)	NA
Fuel consumption (l/100 km, EU-standard)				
Urban cycle	5.5	6.0	6.7/6.9	NA
Extra-urban cycle	4.0	4.6	5.1/5.1	NA
Combined cycle	4.6	5.1	5.7/5.8	NA
CO ₂ combined cycle (g/km)	120	134	154/155	NA
Emissions class	Euro 5+	Euro 6	Euro 6	Euro 6

NA = not available