

2011 Jeep® Liberty SPECIFICATIONS

All dimensions are in inches (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)
Construction	Steel uniframe
Assembly Plant	Toledo North Assembly Plant, Toledo, Ohio
EPA Vehicle Class	Multi-purpose vehicle
Introduction Date	Initial introduction mid-2001 as a 2002 model

ENGINE: 3.7-LITER SOHC V-6

Availability	Standard
Type and Description	90-degree V-6, liquid-cooled with balance shaft
Displacement	225.8 cu. in. (3700 cu. cm)
Bore x Stroke	3.66 x 3.57 (93.0 x 90.8)
Valve System	Chain-driven, SOHC, 12 valves, with hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	Cast-iron block, compacted graphite bedplate, aluminum alloy heads, balance shaft
Compression Ratio	9.7:1
Power (SAE net)	210 hp (157 kW) @ 5,200 rpm (56.8 hp/L)
Torque (SAE net)	235 lb.-ft. (319 N•m) @ 4,000 rpm
Max. Engine Speed	6,000 rpm, electronically limited
Fuel Requirement	Regular unleaded, 87 octane (R+M)/2
Oil Capacity	5.0 qt. (4.7L)
Coolant Capacity	14.0 qt. (13.25L)
Emission Controls	Two mini-oxidation three-way catalytic converters; four heated oxygen sensors; EGR and internal engine features ^(a)
Max. Gross Trailer Weight	
Automatic with Trailer-tow package	5,000 lbs. (2250 kg)
2011 EPA Fuel Economy—mpg (City/Hwy)	16/22 — 2WD with automatic transmission
	15/21 — 4WD with automatic transmission

(a) Meets ULEV II emission standard in all 50 states.

TRANSMISSION: 42RLE—AUTOMATIC FOUR-SPEED OVERDRIVE

Availability	Standard
Description	Electronic Range Select (ERS) and electronically modulated torque converter clutch
Gear Ratios	
1st	2.84
2nd	1.57
3rd	1.0
4th	0.69
Reverse	2.21
Axle	3.73
Overall Top Gear	2.57

TRANSFER CASE: MP1522 COMMAND-TRAC II®

Availability	Standard on 4WD models
Type	Part-time, electronic shift
Operating Modes	2WD, 4WD Lock, 4WD Low, Neutral
Center Differential Type	None
Torque Split, F/R	50/50
Low-range Ratio	2.72:1

TRANSFER CASE: MP3022 SELEC-TRAC II®

Availability	Optional on 4WD models
Type	Full-time active on-demand, electronic shift
Operating Modes	2WD, 4WD Auto, 4WD Low, Neutral
Center Differential Type	None
Torque Split, F/R	42/58
Low-range Ratio	2.72:1

AXLE RATIOS

3.7-liter V-6 Engine Auto	3.73:1
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ELECTRICAL SYSTEM

Alternator	140-amp
Battery	600-amp, maintenance-free

DIMENSIONS AND CAPACITIES^(a)

Wheelbase	106.1 (2694.4)
Track, Front	61.0 (1549.4)
Track, Rear	61.0 (1549.4)
Overall Length (NAFTA vehicles)	176.9 (4473.3)
Overall Width	72.3 (1856.9)
Overall Height (with roof rack)	71. (1810.4)
Load-floor height	34.1 (866.3)
Sill-step height	20.2 (514.0)
Ground Clearances (4WD with P235/65R17 tires)	
Chassis	9.5 (240.7)
Fuel Tank	9.5 (240.0)
Front Axle	7.8 (198.0)
Rear Axle	8.1 (205.2)
Approach Angle, (with air dam)	28.7°
Breakover Angle	21.2°
Departure Angle	29.9°
Frontal Area	30.21
Aero CdA	12.0 (Cd x cross-sectional area)
Aero Cd	0.394
Fuel-tank Capacity	19.5 gal. (73.8L)
Maximum occupants and cargo weight, 16-in. tires only, lbs. (kg)	950 (431 kg)
Maximum occupants and cargo weight, lbs. (kg)	1,150 (522 kg)
All models without Trailer-tow Group and equipped with aftermarket Class II type hitch	2,000 (907)
3.7L engine automatic transmission with Trailer-tow package (Class III)	5,000 (2268)
Curb Weight, lbs. (kg)	
3.7-liter 2WD	4,076 (1850)
3.7-liter 4WD	4,290 (1947)
Weight Distribution, 4x4, F/R	44/56

(a) All dimensions measured with two passengers.

ACCOMMODATIONS

Seating Capacity — F/R	2/3
Front Row	
Head Room without Sunroof	40.4 (1025.1)
Head Room with Sunroof	38.2 (971.0)
Legroom	40.8 (1035.8)
Shoulder Room	57.1 (1450.4)
Hip Room	52.7 (1338.1)
Seat Travel	9.0 (229.1)
Recliner Range	6.6° to 51.6°
SAE Volume (standard roof)	54.47 cu. ft.
Second Row	
Head Room	40.8 (1036.2)
Legroom	38.2 (969.7)
Knee Clearance	2.0 (49.7)
Shoulder Room	56.6 (1436.7)
Hip Room	52.6 (1337.0)
Recliner Range	21.5° to 33.5°
SAE Cargo Volume	51.06 cu. ft.
Cargo Access	
Liftover Height	34.1 (866.4)
Maximum Cargo Width at Liftgate Opening	44.2 (1122.9)
Minimum Cargo Width at Liftgate Opening	41.2 (1046.4)
Maximum Cargo Height at Liftgate Opening	29.6 (751.0)
Minimum Cargo Height at Liftgate Opening	29.4 (746.0)
Distance Between Wheelhouse Interior Trim	41.4 (1050.9)
SAE Cargo Volume	
Behind Rear Seat	26.1 cu. ft. (0.7 cu. m)
Behind Front-row Seats with Rear Seats Folded	62.4 cu. ft. (1.7 cu. m)

BODY AND CHASSIS

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

SUSPENSION

Front	Upper and lower "A" arms, coil springs, low-pressure gas-charged shock absorbers and stabilizer bar
Rear	Live axle, upper and lower trailing arms, track bar, coil springs, low-pressure gas-charged shock absorbers and stabilizer bar

STEERING

Type	Power rack and pinion
Overall Ratio	17.36:1
Turning Diameter (curb-to-curb)	35.5 ft. (10.83 m)
Steering Turns (lock-to-lock)	3.42

BRAKES

Front	
Size and Type	11.9 x 1.1 (302 x 28) vented rotor with 2.6 (66) single-piston floating caliper
Swept Area (per caliper)	110.1 sq. in. (710.6 sq. cm)
Rear	
Size and Type	12.44 x 0.47 (316 x 12) solid rotor with 1.9 (48) single-piston floating caliper
Swept Area (per caliper)	103.5 sq. in. (668 sq. cm)
Power-assist Type	8 x 9 (204 x 230) tandem diaphragm, vacuum assist
Four-wheel anti-lock brake system (ABS)	Standard
Electronic stability control (ESC)	Standard
Parking Brake Type	Rear brake drum in hat

WHEELS

Availability	Standard on Liberty Sport, Renegade
Type and Material	Painted Sparkle Silver cast aluminum
Size	16-in. x 7-in.
Availability	Standard on Liberty Limited
Type and Material	Painted Tech Silver cast aluminum
Size	17-in. x 7-in.
Availability	Available on Liberty Limited
Type and Material	Chrome-clad cast aluminum
Size	18-in. x 7-in.
Availability	70 th Anniversary Liberty
Type and Material	18-inch Mopar wheel with polished face and painted pockets
Size	18-in. x 7-in.
Availability	Standard on Liberty Jet
Type and Material	Polished aluminum with painted pockets
Size	20-in. x 7.5-in.

TIRES

Availability	Standard on Liberty Sport
Size and Type	P225/75R16 BSW, all-season
Mfr. and Model	Goodyear Wrangler ST
Revs per Mile (km)	715 (444)
Availability	Standard on Liberty Limited
Size and Type	P235/65R17 BSW, all-season
Mfr. and Model	Goodyear Wrangler HP
Revs per Mile (km)	723 (449)
Availability	Available on Liberty Sport
Size and Type	P225/75R16 OWL, all-season
Mfr. and Model	Goodyear Wrangler ST
Revs per Mile (km)	715 (444)
Availability	Available on Liberty Sport, standard on Renegade (Mineral Gray)
Size and Type	P235/70R16 OWL, all-season, all-terrain
Mfr. and Model	Goodyear Wrangler SRA
Revs per Mile (km)	727 (452)
Availability	Available on Liberty Limited, Sport 70 th Anniversary
Size and Type	P235/60R18 BSW, all-season
Mfr. and Model	Goodyear Fortera HL
Revs per Mile (km)	722 (457)
Availability	Standard on Liberty Jet
Size and Type	P245/50R20 VSB all-season
Mfr. and Model	Goodyear Wrangler HP
Revs per Mile (km)	722 (457)

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