

2012 Jeep® Liberty

CANADIAN SPECIFICATIONS

All dimensions are in millimetres (inches) 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, USA
EnerGuide Vehicle Class	Special Purpose
Introduction Date	Initial introduction mid-2001 as a 2002 model

ENGINE: 3.7-LITRE SOHC V6

Availability	Standard
Type and Description	90-degree V6, liquid-cooled with balance shaft
Displacement	3700 cu. cm (225.8 cu. in.)
Bore x Stroke in. (mm)	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	210 hp @ 5,200 rpm (56.8 hp/L)
Torque	235 lb.-ft. @ 4,000 rpm
Max. Engine Speed	6,000 rpm, electronically limited
Fuel Requirement	Regular unleaded, 87 octane (R+M)/2
Oil Capacity	4.7L (5.0 qt.)
Coolant Capacity	13.25L (14.0 qt.)
Emission Controls	Two mini-oxidation three-way catalytic converters; four heated oxygen sensors; EGR and internal engine features
Max. Gross Trailer Weight	
Automatic with Trailer-tow package	2,250 kg (5,000 lb)
EnerGuide Fuel Economy City/Hwy L/100 km (MPG)	14.0(20) / 9.7(29) — 4WD with automatic transmission

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
Centre Differential Type	None
Torque Split, F/R	42/58
Low-range Ratio	2.72:1

AXLE RATIOS

3.7-litre V6 Engine Auto	3.73:1
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ELECTRICAL SYSTEM

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

DIMENSIONS AND CAPACITIES^(a)

Wheelbase	2,694 (106.1)
Track, Front	1,549 (61.0)
Track, Rear	1,549 (61.0)
Overall Length (NAFTA vehicles)	4,473 (176.9)
Overall Width	1,857 (72.3)
Overall Height (with roof rack)	1,810 (71)
Load-floor height	8,66(34.1)
Sill-step height	5,14 (20.2)
Ground Clearances (4WD with P235/65R17 tires)	
Chassis	241 (9.5)
Fuel Tank	240 (9.5)
Front Axle	198 (7.8)
Rear Axle	205 (8.1)
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	73.8L (16.2 imp. gal.)
Maximum occupants and cargo weight, 16-in. tires only, kg (lb)	431 (950)
Maximum occupants and cargo weight, kg (lb)	522 (1,150)
All models without Trailer-tow Group and equipped with aftermarket Class II type hitch	907 (2,000)
3.7L engine automatic transmission with Trailer-tow package (Class III)	2,268 (5,000)
Curb Weight, kg (lb)	
3.7-litre 4WD	1,947 (4,290)
Weight Distribution, 4x4, F/R	4,4/56

(a) All dimensions measured with two passengers.

ACCOMMODATIONS

Seating Capacity — F/R	2/3
Front Row	
Head Room without Sunroof	1,025 (40.4)
Head Room with Sunroof	971 (38.2)
Legroom	1,036 (40.8)
Shoulder Room	1,450 (57.1)
Hip Room	1,338 (52.7)
Seat Travel	229 (9.0)
Recliner Range	6.6° to 51.6°
Volume (standard roof) L (cu. ft.)	1,549 (54.47)
Second Row	
Head Room	1,036 (40.8)
Legroom	970 (38.2)
Knee Clearance	50 (2.0)
Shoulder Room	1,437 (56.6)
Hip Room	1,337 (52.6)
Recliner Range	21.5° to 33.5°
Cargo Volume L (cu. ft.)	1,446 (51.06)
Cargo Access	
Liftover Height	866 (34.1)
Maximum Cargo Width at Liftgate Opening	1,123 (44.2)
Minimum Cargo Width at Liftgate Opening	1,046 (41.2)
Maximum Cargo Height at Liftgate Opening	751 (29.6)
Minimum Cargo Height at Liftgate Opening	746 (29.4)
Distance Between Wheelhouse Interior Trim	1,051 (41.4)
Cargo Volume L (cu. ft.)	
Behind Rear Seat	739 (26.1)
Behind Front-row Seats with Rear Seats Folded	1,766 (62.4)

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)	10.83 m (35.5 ft.)
Steering Turns (lock-to-lock)	3.42

BRAKES

Front	
Size and Type in (mm)	11.9 x 1.1 (302 x 28) vented rotor with 2.6 (66) single-piston floating caliper
Swept Area (per caliper)	710.6 sq. cm (110.1 sq. in.)
Rear	
Size and Type in (mm)	12.44 x 0.47 (316 x 12) solid rotor with 1.9 (48) single-piston floating caliper
Swept Area (per caliper)	668 sq. cm (103.5 sq. in.)
Power-assist Type	(204 x 230) (8 x 9) 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 and North
Type and Material	Sparkle Silver aluminum
Size	16-in. x 7-in.
Availability	Standard on Liberty Limited
Type and Material	Tech Silver cast aluminum
Size	17-in. x 7-in.
Availability	Available on Liberty Limited
Type and Material	Chrome-clad aluminum
Size	18-in. x 7-in.
Availability	Standard on Liberty Jet
Type and Material	Polished aluminum
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 km (Mile)	444 (715)
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Availability	Available on Liberty Limited
Size and Type	P235/65R17 BSW, all-season
Mfr. and Model	Goodyear Wrangler HP
Revs per km (Mile)	449 (723)
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<u>Availability</u>	<u>Available on Liberty Limited</u>
<u>Size and Type</u>	<u>P235/60R18 BSW, all season</u>
<u>Mfr. And Model</u>	<u>Goodyear Wrangler</u>
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Availability	Standard on Liberty North Edition
Size and Type	P225/75R16 OWL, all-season
Mfr. and Model	Goodyear Wrangler ST
Revs per km (Mile)	444 (715)
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Availability	Available on Liberty Sport and North
Size and Type	P235/70R16 OWL, all-season, all-terrain
Mfr. and Model	Goodyear Wrangler SRA
Revs per km (Mile)	452 (727)
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Availability	Standard on Liberty Jet
Size and Type	P245/50R20 VSB all-season
Mfr. and Model	Goodyear Wrangler HP
Revs per km (Mile)	457 722 (457)

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