

2012 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

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|--------------------------------------|--|
| 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) |
| 2012 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

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| 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®

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|--------------------------|--|
| 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

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|---------------------------|--------|
| 3.7-liter V-6 Engine Auto | 3.73:1 |
|---------------------------|--------|

ELECTRICAL SYSTEM

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

DIMENSIONS AND CAPACITIES^(a)

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|---|----------------------------------|
| 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

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|---|--------------------------|
| 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

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

SUSPENSION

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| 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

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|---------------------------------|-----------------------|
| 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

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|---|--|
| 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

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|-------------------|--|
| Availability | Standard on Liberty Sport |
| 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 | 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 |
| Size and Type | P235/70R16 OWL, all-season, all-terrain |
| Mfr. and Model | Goodyear Wrangler SRA |
| Revs per Mile (km) | 727 (452) |
| 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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