

2008 JEEP® LIBERTY PRELIMINARY SPECIFICATIONS

Dimensions are in inches (millimeters) at curb weight with standard wheels and tires unless otherwise noted.

GENERAL INFORMATION

Body Style Four-door sport-utility
Assembly Plant Toledo North Assembly Plant; Toledo, Ohio
EPA Vehicle Class Multi-purpose Vehicle

ENGINE: 3.7-LITER, SOHC, V-6

Availability Standard
Type and Description 90° V-6, liquid cooled w/balance shaft
Displacement 225.8 in³ (3700cm³)
Bore x Stroke 3.66 x 3.57 (93.0 x 90.8)
Valve System Chain-driven SOHC, 12 valves, and hydraulic end-pivot roller rockers
Fuel Injection Sequential, multi-port, electronic, returnless
Construction Cast iron block and bedplate, aluminum alloy heads, balance shaft
Compression Ratio 9.7:1
Power (SAE net, estimated) 210 bhp (157kW) @ 5200 rpm (56.8hp/L)
Torque (SAE net, estimated) 235 lb.-ft. (319N•m) @ 4000 rpm
Max. Engine Speed 6000 rpm (electronically limited)
Fuel Requirement Unleaded regular, 87 octane (R + M)/2
Oil Capacity 5.0 qt. (3.7L) SAE 5W-20
Coolant Capacity 14.0 qt. (13.25L)
Emission Controls 2, mini-oxidation and 1, 3-way catalytic converters;
4 heated oxygen sensors, EGR and internal engine features¹
Alternator 160 A
Battery 600 CCA, maintenance free

¹Meets ULEV II emission standard in all 50 states

TRANSMISSION: NSG 370 MANUAL SIX-SPEED OVERDRIVE

Availability	3.7L V-6
Description	Synchronized in all forward gears and Reverse, multi-rail shift system with top-mounted shift lever
Clutch	Hydraulic actuation, dual-mass flywheel system

Gear Ratios

1 st	4.46
2 nd	2.61
3 rd	1.72
4 th	1.25
5 th	1.0
6 th	0.84
Reverse	4.06
Axle	3.21
Overall Top Gear	2.69

TRANSMISSION: 42RLE AUTOMATIC FOUR-SPEED OVERDRIVE

Availability	Optional with 3.7L V-6
Description	Adaptive electronic control and electronically modulated torque converter clutch

Gear Ratios

1 st	2.84
2 nd	1.57
3 rd	1.0
4 th	0.69
Reverse	2.21
Axle	3.73
Overall Top Gear	2.57

TRANSFER CASE: MP 1522 COMMAND-TRAC®

Availability Standard on 4WD models
Type Part-time, electronic shift
Operating Ranges 2WD, 4WD Lock, 4WD Low, Neutral
Low Range Ratio 2.72:1
Center Differential Type None

TRANSFER CASE: MP 3022 SELEC-TRAC II®

Availability Optional all 4WD models
Type Full-time active, electronic shift
Operating Ranges 2WD, 4WD Auto, 4WD Low, Neutral
Torque Split, F/R 42/58
Low Range Ratio 2.72:1

DIMENSIONS AND CAPACITIES

General

Wheelbase 106.1 (2694.4)
Track, Front 61.0 (1549.4)
Track, Rear 61.0 (1549.4)
Overall Length, NAFTA Vehicles 176.9 (4492.9)
Overall Width 72.4 (1838.0)
Overall Height² 70.1 (1808.3)

Aero

CdA 12.21
Cd 0.403

Estimated Fuel Economy, (mpg city/highway)

Reflects EPA methods for 2007 and prior model years

3.7L Gasoline Engine, Manual Transmission, 2WD 18/23
3.7L Gasoline Engine, Automatic Transmission, 2WD 18/23
3.7L Gasoline Engine, Manual Transmission, 4WD 18/23
3.7L Gasoline Engine, Automatic Transmission, 4WD 18/23

² Height at roof does not include roof rack system.

Estimated Fuel Economy, (mpg city/highway)**Reflects new EPA methods for 2008 model years and beyond**

3.7L Gasoline Engine, Manual Transmission, 2WD.....	16/22
3.7L Gasoline Engine, Automatic Transmission, 2WD.....	16/22
3.7L Gasoline Engine, Manual Transmission, 4WD.....	16/22
3.7L Gasoline Engine, Automatic Transmission, 4WD.....	15/21

Fuel Tank Capacity, gal. (L)

3.7L Gasoline Engine	19.5 (73.8)
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Maximum Payload, lbs. (kg), Includes Occupants and Cargo.....1150 lbs. (590 kg)

Towing Capacities, lbs. (kg)**U.S. and export markets other than Europe**

All Models Equipped With a Class II Trailer Hitch	2000 (907)
3.7L Engine, Manual Transmission w/Trailer Tow Pkg (Class III).....	3500 (1588)
3.7L Engine, Automatic Transmission w/Trailer Tow Pkg (Class III)	5000 (2268)

Clearances with 235/65R17 Tires (Domestic 4x4)

Approach Angle, degrees (without/with air dam).....	39.1/29.0
Breakover Angle, degrees (with skid plate)	20.4
Departure Angle, degrees	32.1

Weights

3.7L Gasoline Engine, 2WD	4030 (1827)
3.7L Gasoline Engine, 4WD	4222 (1915)

ACCOMMODATIONS

Seating Capacity - F/R2/3

Front

Head Room w/o Sun Roof.....	40.4 (1025.1)
Head Room w/Sun Roof.....	38.5 (976.8)
Leg Room	40.8 (1036.4)
Shoulder Room.....	56.8 (1443.0)
Hip Room.....	52.7 (1338.1)
Seat Travel	9.0 (229.1)
Recliner Range	6.6° to 51.6°

Rear

Head Room.....	40.3 (1023.0)
Leg Room	38.8 (984.5)

Knee Clearance	1.3 (34.1)
Shoulder Room.....	56.6 (1436.4)
Hip Room.....	48.4 (1229.0)
Recliner Range	21.5° to 33.5°

Cargo

Liftover Height.....	33.3 (844.8)
Minimum Cargo Width Liftgate Opening	47.0 (1194.2)
Minimum Cargo Height At Liftgate Opening	34.4 (873.5)
Maximum Cargo Height Liftgate Opening	35.3 (895.7)
Maximum Cargo Width At Liftgate Opening	44.2 (1122.9)
Distance Between Wheelhouse Interior Trim	41.7 (1059.1)

Cargo Volume, cu. ft. (cu. M)

Behind Rear Seat	31.5 (0.9)
With Rear Seat Folded	64.2 (1.8)

BODY/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, stabilizer bar
Rear	Live axle, upper and lower trailing arms, track bar, coil springs, stabilizer bar, low-pressure gas-charged shock absorbers

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

Availability	Standard - All
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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
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Swept Area (total front).....190.8 sq. in. (1231.0 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 (total rear)55.4 sq. in. (357.6 sq. cm)

Power Assist Type 8 x 9 (204 x 230) Tandem-diaphragm vacuum

Four-wheel Anti-lock (ABS).....Standard - All

Electronic Stability Program (ESP)Standard - All

Parking Brake Type.....Rear brake drum-in-hat

WHEELS

AvailabilityStandard Sport

Type and MaterialMachined and painted cast aluminum

Size16 x 7

AvailabilityStandard Limited

Type and MaterialMachined and painted cast aluminum

Size17 x 7

AvailabilityAvailable Limited

Type and MaterialChrome-clad cast aluminum

Size18 x 7

TIRES

AvailabilityStandard Sport

Size and TypeP225/75R16, all-season, black side wall

Model.....Goodyear Wrangler ST

Revs/Mile (km)712 (1146)

AvailabilityStandard Limited

Size and TypeP235/65R17, all-season, black side wall

Model.....Goodyear Wrangler HP

Revs/Mile (km)721 (1160)

AvailabilityAvailable Limited

Size and TypeP235/60R18, all season, black side wall

Model.....Goodyear Fortera HL

Revs/Mile (km)722 (1162)

AvailabilityAvailable Sport

Size and TypeP235/70R16, all-season, all-terrain outline white letter

Model.....Goodyear Wrangler SRA

Revs/Mile (km)721 (1160)

Compact Spare TireStandard Sport

Full-size Spare Tire w/ Matching WheelStandard Limited; Available Sport