

2012 Jeep® Wrangler

CANADIAN SPECIFICATIONS

Dimensions are in millimetres (inches) unless otherwise noted.

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

GENERAL INFORMATION

Body Style	Two-door sport-utility vehicle
Assembly Plant	Toledo Supplier Park, Toledo, Ohio, USA
EnerGuide Vehicle Class	Special purpose vehicle
Introduction Date	1987

ENGINE: 3.6-LITRE, DOHC V6

Availability	Standard on all models
Type and Description	60° V-type, liquid-cooled
Displacement	220 cu. in. (3604 cu. cm)
Bore x Stroke	3.78 x 3.27 (96 x 83)
Valve System	Chain-driven DOHC, 24 valves and hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Aluminum deep-skirt block, aluminum alloy heads
Compression Ratio	10.2:1
Power	285 hp at 6,400 rpm
Torque	260 lb-ft at 4,800 rpm
Max Engine Speed	6,600 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R + M)/2
Oil Capacity	5.7L (6.0 qt.)
Coolant Capacity	13.25L (14 qt.)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features ^(a)
EPA Fuel Economy L/100 km (mpg) (City/Hwy)	5-speed Automatic 12.6(22) / 9.5(30) 6-speed Manual 12.7(22) / 9.3(30)
Assembly Plant	Trenton South Engine Plant, Trenton, Mich., USA

ELECTRICAL SYSTEM

Alternator	160-amp
Battery	600 CCA, maintenance free

TRANSMISSION: NSG 370 MANUAL, SIX-SPEED OVERDRIVE

Availability	Standard on all models
Description	Synchronized in all forward gears and Reverse, multi-rail shift system with top-mounted shift lever
Clutch	Hydraulic actuation

Gear Ratios

1 st	4.46
2 nd	2.61
3 rd	1.72
4 th	1.25
5 th	1
6 th	0.797
Reverse	4.06
Axle Ratio	3.21 standard Sport and Sahara, 3.73 optional Sport and Sahara (4.10 standard Rubicon)
Overall Top-gear	2.53 standard, 2.95 optional (3.24 Rubicon)

TRANSMISSION: W5A580 AUTOMATIC, FIVE-SPEED OVERDRIVE

Availability	Optional
Description	Adaptive electronic control or Electronic Range Select (ERS) driver-interactive manual control and electronically modulated torque converter clutch
Gear Ratios	
1 st	3.59
2 nd	2.19
3 rd	1.41
4 th	1
5 th	0.83
Reverse	3.16
Axle Ratio	3.21 standard Sport and Sahara, 3.73 optional Sport and Sahara, 3.73 standard on Rubicon, 4.10 optional Rubicon
Overall Top-gear	2.54

TRANSFER CASE: NV241 COMMAND-TRAC®

Type	Part-time
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low-range Ratio	2.72:1
Centre Differential Type	None

TRANSFER CASE: NV241OR ROCK-TRAC®

Type	Part-time, heavy-duty
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low-range Ratio	4.0:1
Centre Differential Type	None
Axle Ratio	3.21 standard, 3.73 optional (3.73 standard Rubicon w/automatic) 4.10 standard Rubicon w/manual (optional for automatic)

Overall Top-gear	2.53 standard, 2.95 optional (2.95 standard Rubicon w/automatic, 3.24 standard Rubicon w/manual (optional for automatic))
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DIMENSIONS AND CAPACITIES

Overall Length	3,881 (152.8)
Overall Width (without Mirrors)	1.873.(73.7)
Overall Height, Hardtop	1,800 (70.9)
Wheelbase	2,424 (95.4)
Track, Front	1,572 (61.9)
Track, Rear	1,572 (61.9)
Overhang, Front	679 (26.7)
Overhang, Rear	778 (30.6)
Maximum Payload (includes Occupants and Cargo)	454 kg (1,000 lb)
Fuel-tank Capacity	70 L (15.4 imp. gal.)

CLEARANCES

	P225/75R16	P245/75R16	P255/75R17	P255/70R18	LT255/75R17
Approach Angle, Deg.	40.8	42.0	43.8	44.6	44.3
Breakover Angle, Deg.	21.8	23.1	24.9	25.5	25.4
Departure Angle, Deg.	37.4	38.7	40.3	40.6	40.4
Front Axle to Ground mm (inches)	231 (9.1)	244 (9.6)	262 (10.3)	269 (10.6)	267 (10.5)
Rear Axle to Ground mm (inches)	223 (8.8)	239 (9.4)	257 (10.1)	261 (10.3)	259 (10.2)

CURB WEIGHT

Wrangler Sport, Manual Transmission	1,759.5 (3,879)
Wrangler Sport, Automatic Transmission	1,765.4 (3,892)
Wrangler Sahara, Manual Transmission	1,839.3 (4,055)
Wrangler Sahara, Automatic Transmission	1,845.7 (4,069)
Wrangler Rubicon, Manual Transmission	1,874.2 (4,132)
Wrangler Rubicon, Automatic Transmission	1,880.6 (4,146)

ACCOMMODATIONS

Seating Capacity, F/R	2/2
Front	
Head Room	41.3 (1,048.4)
Legroom	41.0 (1,041.4)
Shoulder Room	55.8 (1,416.7)
Hip Room	55.6 (1,412.8)
Seat Travel	Driver — 9.4 (239.5), Passenger — 9.4 (239.5)
Front-Volume Index, L (cu. ft.)	1,546 (54.6)
Rear	
Head Room	40.3 (1024.6)

Legroom	35.6 (904.2)
Shoulder Room	61.6 (1565.9)
Hip Room	44.7 (1135.6)
Rear-Seat Volume Index, L (cubic ft.)	1,368 (48.3)
Cargo Liftover Height	27.8 (706.1)
Maximum Cargo Width at Swing-Gate Opening	58.7 (1,491.0)
Minimum Cargo Width at Swing-Gate Opening	41.2 (1,046.5)
Maximum Cargo Height at Swing-Gate Opening	37.1 (942.3)
Minimum Cargo Height at Swing-Gate Opening	37.0 (939.8)
Distance Between Wheelhouses	44.7 (1,135.4)
Cargo Volume - L (cu. ft.)	
Rear Seat Installed	1,600 (56.5)
Rear Seat Removed	1,733 (61.2)
Behind Rear Seat	486 (17.15)

BODY AND CHASSIS

Layout	Longitudinal front engine, four-wheel drive
Construction	Ladder-type frame, open steel body

SUSPENSION

Front	Live axle, leading arms, track bar, coil springs, stabilizer bar, low-pressure (on 16-inch wheel packages) gas-charged shock absorbers — Standard Monotube high-pressure (on 17- and 18-inch wheel packages) gas-charged shock absorbers — Standard Electronic Sway-Bar Disconnect System — Standard, Rubicon
Rear	Live axle, trailing arms, track bar, coil springs, stabilizer bar, low-pressure (on 16-in. wheel packages) gas-charged shock absorbers — Standard Monotube high-pressure (on 17- and 18-inch wheel packages) gas-charged shock absorbers — Standard

STEERING

Type	Power, recirculating ball with damper
Overall Ratio	16.7:1 overall
Turning Diameter (curb-to-curb)	10.6 m (34.9 ft.)
Steering Turns (lock-to-lock)	3.5

BRAKES

Availability	Standard on all models
Power-assist Type	10 (254) single-diaphragm vacuum
Four-wheel anti-lock brake system (ABS) with On- and Off-road Calibrations	Standard
Electronic stability control (ESC)	Standard
Parking Brake Type	Drum-in-hat
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 (Total Front)	5,951 (234.3)
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 (Total Rear)	202.6 in.

WHEELS

Availability	Standard on Wrangler Sport
Type and Material	Painted steel
Size	16 x 7.0 in.

Availability	Standard on Wrangler Sahara
Type and Material	Painted cast-aluminum
Size	18 x 7.5 in.

Availability	Optional on Wrangler Sahara
Type and Material	Polished aluminum
Size	18 x 7.5 in.

Availability	Standard on Wrangler Rubicon Optional on Wrangler Sport
Type and Material	Painted cast-aluminum
Size	17 x 7.5 in.

TIRES

Availability	Standard on Wrangler Sport
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Size and Type	P225/75R16, on/off-road, black sidewall
Mfr. and Model	Goodyear Wrangler ST
Revs per km (Mile)	1,146 (712)
Availability	Standard on Wrangler Sahara
Size and Type	P255/70R18, on/off-road, OWL
Mfr. and Model	Bridgestone Dueler 693
Revs per km (Mile)	1,051 (653)
Availability	Standard on Wrangler Rubicon Optional on Wrangler Sport
Size and Type	LT255/75R17, on/off-road, black sidewall
Mfr. and Model	BF Goodrich Mud Terrain
Revs per km (Mile)	1,046 (650)

TOWING CAPACITIES kg (lb)

WRANGLER TWO-DOOR SPORT 4WD

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.8L V6 gas (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.21**	1000 (454)	3879 (1760)	1966 (892)	1913 (868)	2775 (1259)	3200 (1451)	6029 (2735)	2000 (907)
3.8L V6 gas (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.73	1000 (454)	3879 (1760)	1966 (892)	1913 (868)	2775 (1259)	3200 (1451)	6029 (2735)	2000 (907)
3.8L V6 gas (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	3.21	1000 (454)	3892 (1765)	1961 (889)	1931 (876)	2775 (1259)	3200 (1451)	6042 (2741)	2000 (907)
3.8L V6 gas (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	3.73	1000 (454)	3892 (1765)	1961 (889)	1931 (876)	2775 (1259)	3200 (1451)	6042 (2741)	2000 (907)

1. GCWR = Base Weight + Maximum Trailer Weight + 150 lb for driver.

2. ** AHT Trailer-tow Package not available with 3.21 axle ratio.

TOWING CAPACITIES kg (lb)

WRANGLER TWO-DOOR SPORT 4WD

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6L V6 gas (ERB)	M6	NSG370 6-SPD MANUAL (DEH)	3.21**	454 (1,000)	1,760 (3,879)	892 (1,966)	868 (1,913)	1,259 (2,775)	1,451 (3,200)	2,735 (6,029)	907 (2,000)
3.6L V6 gas (ERB)	M6	NSG370 6-SPD MANUAL (DEH)	3.73	454 (1,000)	1,760 (3,879)	892 (1,966)	868 (1,913)	1,259 (2,775)	1,451 (3,200)	2,735 (6,029)	907 (2,000)
3.6L V6 gas (ERB)	A5	W5A580 5-SPD AUTO (DGJ)	3.21	454 (1,000)	1,765 (3,892)	889 (1,961)	876 (1,931)	1,259 (2,775)	1,451 (3,200)	2,741 (6,042)	907 (2,000)
3.6L V6 gas (ERB)	A5	W5A580 5-SPD AUTO (DGJ)	3.73	454 (1,000)	1,765 (3,892)	889 (1,961)	876 (1,931)	1,259 (2,775)	1,451 (3,200)	2,741 (6,042)	907 (2,000)

1. GCWR = Base Weight + Maximum Trailer Weight + 150 lb for driver.

2. ** AHT Trailer-tow Package not available with 3.21 axle ratio.

WRANGLER TWO-DOOR SAHARA 4WD kg (lb)

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6L V6 gas (ERB)	M6	NSG370 6-SPD MANUAL (DEH)	3.21	299 (880)	1,840 (4,055)	923 (2,035)	917 (2,021)	1,259 (2,775)	1,451 (3,200)	2,815 (6,205)	907 (2,000)
3.6L V6 gas (ERB)	M6	NSG370 6-SPD MANUAL (DEH)	3.73	299 (880)	1,840 (4,055)	923 (2,035)	917 (2,021)	1,259 (2,775)	1,451 (3,200)	2,815 (6,205)	907 (2,000)
3.6L V6 gas (ERB)	A5	W5A580 5-SPD AUTO (DGJ)	3.23	299 (880)	1,846 (4,069)	921 (2,030)	925 (2,039)	1,259 (2,775)	1,451 (3,200)	2,821 (6,219)	907 (2,000)
3.6L V6 gas (ERB)	A5	W5A580 5-SPD AUTO (DGJ)	3.73	299 (880)	1,846 (4,069)	921 (2,030)	925 (2,039)	1,259 (2,775)	1,451 (3,200)	2,821 (6,219)	907 (2,000)

1. GCWR = Base Weight + Maximum Trailer Weight + 150 lb for driver.

WRANGLER TWO-DOOR RUBICON® 4WD kg (lb)

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6L V6 gas (ERB)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	405 (892)	1,874 (4,132)	945 (2,084)	929 (2,049)	1,259 (2,775)	1,451 (3,200)	2,849 (6,282)	907 (2,000)
3.6L V6 gas (ERB)	A5	W5A580 5-SPD AUTO (DGJ)	3.73	405 (892)	1,881 (4,146)	943 (2,079)	938 (2,067)	1,259 (2,775)	1,451 (3,200)	2,856 (6,296)	907 (2,000)
3.6L V6 gas (ERB)	A5	W5A580 5-SPD AUTO (DGJ)	4.10	405 (892)	1,881 (4,146)	943 (2,079)	938 (2,067)	1,259 (2,775)	1,451 (3,200)	2,856 (6,296)	907 (2,000)

1. GCWR = Base Weight + Maximum Trailer Weight + 150 lb for driver.

