

2012 Jeep® Wrangler

SPECIFICATIONS

Dimensions are in inches (millimeters) 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
EPA Vehicle Class	Multi-purpose vehicle
Introduction Date	1987

ENGINE: 3.6-LITER, DOHC V-6

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 (SAE net)	285 hp (209 kW) at 6,400 rpm
Torque (SAE net)	260 lb.-ft. (353 N•m) at 4,800 rpm
Max Engine Speed	6,600 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R + M)/2
Oil Capacity	6.0 qt. (5.7L)
Coolant Capacity	14 qt. (13.25L)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features ^(a)
EPA Fuel Economy mpg (City/Hwy)	Automatic (17/21) Manual (17/21 — 4x4)
Assembly Plant	Trenton South Engine Plant, Trenton, Mich.

(a) Meets NAS [BIN 4+(ULEV II+)] for all 50 states, no unique emissions package for 13 state emissions

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, 3.73 optional (4.10 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	3.06:1
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
Center 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
Center 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)

DIMENSIONS AND CAPACITIES

Overall Length	152.8 (3881.2)
Overall Width (without Mirrors)	73.7 (1872.9)
Overall Height, Hardtop	70.9 (1800.1)
Wheelbase	95.4 (2424.1)
Track, Front	61.9 (1572.3)
Track, Rear	61.9 (1572.3)
Overhang, Front	26.7 (679.2)
Overhang, Rear	30.6 (777.9)
Maximum Payload (includes Occupants and Cargo)	1,000 lbs. (454 kg)
Fuel-tank Capacity	18.6 gallons

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 (inches)	9.1	9.6	10.3	10.6	10.5
Rear Axle to Ground (inches)	8.8	9.4	10.1	10.3	10.2

CURB WEIGHT

Wrangler Sport, Manual Transmission	3,760 lbs. (1403 kg)
Wrangler Sport, Automatic Transmission	3,785 lbs. (1413 kg)
Wrangler Sahara, Manual Transmission	3,951 lbs. (1475 kg)
Wrangler Sahara, Automatic Transmission	3,976 lbs. (1484 kg)
Wrangler Rubicon, Manual Transmission	4,104 lbs. (1532 kg)
Wrangler Rubicon, Automatic Transmission	4,129 lbs. (1541 kg)

ACCOMMODATIONS

Seating Capacity, F/R	2/2
Front	
Head Room	41.3 (1048.4)
Legroom	41.0 (1041.4)
Shoulder Room	55.8 (1416.7)
Hip Room	55.6 (1412.8)
Seat Travel	Driver — 9.4 (239.5), Passenger — 9.4 (239.5)
Front-Volume Index, cu. ft. (cu. m)	54.6 (1.55)
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, cubic ft. (cu. m)	48.3 (1.367)
Cargo Lifter Height	27.8 (706.1)
Maximum Cargo Width at Swing-Gate Opening	58.7 (1491.0)
Minimum Cargo Width at Swing-Gate Opening	41.2 (1046.5)
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 (1135.4)
Cargo Volume cubic ft. (cu. m)	
Rear Seat Installed	56.5 cu. ft. (1.60)
Rear Seat Removed	61.2 cu. ft. (1.73)
Behind Rear Seat	17.15 cu. ft. (0.19)

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-in. wheel packages) gas-charged shock absorbers — Standard Monotube high-pressure (on 17- and 18-in. 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-in. 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)	34.9 ft. (10.62 m)
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	11.9 x 1.1 (302 x 28) vented rotor with 2.6 (66) single-piston floating caliper
Swept Area (Total Front)	234.3 in.
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)	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	Standard on Wrangler Rubicon
Type and Material	Painted cast-aluminum
Size	17 x 7.5 in.

TIRES

Availability	Standard on Wrangler Sport
Size and Type	P225/75R16, on/off-road, black sidewall
Mfr. and Model	Goodyear Wrangler ST
Revs per Mile (km)	712 (1146)

Availability	Standard on Wrangler Sahara
Size and Type	P255/70R18, on/off-road, OWL
Mfr. and Model	Bridgestone Dueler 693
Revs per Mile (km)	653 (1051)

Availability	Standard on Wrangler Rubicon
Size and Type	LT255/75R17, on/off-road, black sidewall
Mfr. and Model	BF Goodrich Mud Terrain
Revs per Mile (km)	650 (1046)

TOWING CAPACITIES

WRANGLER 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 V-6 gas (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.21	1000	3879	1966	1913	2775	3200	6029	2000
3.6L V-6 gas (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.73	1000	3879	1966	1913	2775	3200	6029	2000
3.6L V-6 gas (EGT)	A5	WA580 5-SPD AUTO (DGL)	3.21	1000	3892	1961	1931	2775	3200	6042	2000
3.6L V-6 gas (EGT)	A5	WA580 5-SPD AUTO (DGL)	3.73	1000	3892	1961	1931	2775	3200	6042	2000

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

WRANGLER SAHARA 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 V-6 gas (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.21	880	4055	2035	2021	2775	3200	6205	2000
3.6L V-6 gas (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.73	880	4055	2035	2021	2775	3200	6205	2000
3.6L V-6 gas (EGT)	A5	WA580 5-SPD AUTO (DGL)	3.21	880	4069	2030	2039	2775	3200	6219	2000
3.6L V-6 gas (EGT)	A5	WA580 5-SPD AUTO (DGL)	3.73	880	4069	2030	2039	2775	3200	6219	2000

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

WRANGLER RUBICON® 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 V-6 gas (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	892	4132	2084	2049	2775	3200	6282	2000
3.6L V-6 gas (EGT)	A5	WA580 5-SPD AUTO (DGV)	3.73	892	4146	2079	2067	2775	3200	6296	2000
3.6L V-6 gas (EGT)	A5	WA580 5-SPD AUTO (DGV)	4.10	892	4146	2079	2067	2775	3200	6296	2000

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

