

2011 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 Model Year

ENGINE: 3.8-LITER, OHV, 12-VALVE SMPI V-6

Availability	Standard
Type and Description	Six-cylinder, 60° V-type, liquid-cooled
Displacement	230.5 cu. in. (3778 cu. cm)
Bore x Stroke	3.78 x 3.43 (96 x 87)
Valve System	OHV, 12 valves, roller followers, hydraulic lifters
Fuel Injection	Sequential, multi-port, electronic
Construction	Cast-iron block, aluminum alloy heads
Compression Ratio	9.6:1
Power (SAE net)	202 hp (151 kW) @ 5,200 rpm (53.9 hp/L)
Torque (SAE net)	237 lb.-ft. (321 N•m) @ 4,000 rpm
Fuel Recommendation	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	6.0 qt. (5.7L) plus filter
Coolant Capacity	13.36 qt. (12.64L) std.
Emission Controls	Two mini-oxidation three-way catalytic converters, four heated oxygen sensors, electronic EGR and internal engine features. Meets Tier 2 Bin 5 (federal) and LEV 2 (CA) emission requirements
EPA Fuel Economy mpg (City/Hwy)	15/19

ELECTRICAL SYSTEM

Alternator	140-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: 42RLE—AUTOMATIC, FOUR-SPEED OVERDRIVE

Availability	Optional on all models
Description	Electronic governor, electronically controlled converter clutch
Gear Ratios	
1 st	2.84
2 nd	1.57
3 rd	1
4 th	0.69
Reverse	2.21
Axle Ratio	3.73
Overall Top-gear	2.57

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

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 inches
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 inches

WHEELS

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

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

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

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 TWO-DOOR SPORT 4WD-LHD

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.8L V-6 gas (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.21*	1000	3839	1945	1893	2775	3000	4910	1000
3.8L V-6 gas (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.73	1000	3839	1945	1893	2775	3000	5910	2000
3.8L V-6 gas (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	3.73	1000	3963	1951	1912	2775	3000	5935	2000

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

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

WRANGLER TWO-DOOR SAHARA 4WD-LHD

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.8L V-6 gas (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.21**	880	4005	2009	1996	2775	3200	5155	1000
3.8L V-6 gas (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.73	880	4005	2009	1996	2775	3200	6155	2000
3.8L V-6 gas (EGT)	A4	42RLE VLP 4-SPD AUTO (DGL)	3.73	880	4029	2015	2015	2775	3200	6179	2000

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

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

WRANGLER TWO-DOOR RUBICON® 4WD-LHD

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.8L V-6 gas (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	892	4082	2058	2024	2775	3200	6232	2000
3.8L V-6 gas (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	892	4107	2064	2043	2775	3200	6257	2000

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

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

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