



2011 Jeep® Wrangler Unlimited 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	Four-door sport-utility vehicle
Assembly Plant	Toledo North Assembly Plant, 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	Three-way catalytic converter, heated oxygen sensors, electronic EGR and internal engine features Manual transmission meets Tier 2 Bin 5 (federal) and LEV II (CA) emission requirements Automatic transmission meets Tier 2 Bin 5 (federal) and ULEV II (CA) emission requirements
EPA Fuel Economy mpg (City/Hwy)	15/19 — 4WD

ELECTRICAL SYSTEM

Alternator	140-amp
Battery	600 CCA, maintenance-free



TRANSMISSION: NSG 370—MANUAL, SIX-SPEED OVERDRIVE

Availability	Standard — All 4x4 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	0.84
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 WITH VARIABLE LINE PRESSURE

Availability	Standard — 4x4 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

General Overall Length	173.4 (4404.5)
Overall Width (without Mirrors)	73.9 (1876.5)
Height	70.8 (1799.5)
Wheelbase	116.0 (2947.2)
Track, Front	61.9 (1572.3)
Track, Rear	61.9 (1572.3)
Overhang, Front	26.7 (679.2)
Overhang, Rear	30.6 (778.1)
Maximum Payload (includes Occupants and Cargo)	1,000 lbs. (454 kg)
Fuel-tank Capacity	22.5 gal.

CLEARANCES	P225/75R16 Tire	P255/75R17 Tire	P255/70R18 Tire	LT255/75R17 Tire
Approach Angle, Degrees	40.6	43.6	44.4	44.4
Breakover Angle, Degrees	17.8	20.3	20.9	20.8
Departure Angle, Degrees	37.5	40.3	40.7	40.5
Front Axle to Ground	9.0 (228.6)	10.2 (259.1)	10.5 (266.7)	10.5 (266.7)
Rear Axle to Ground	8.7 (221.0)	10.0 (254.0)	10.2 (259.1)	10.1 (256.5)

CURB WEIGHT

Wrangler Sport, Manual Transmission	4,075 lbs. (1848 kg)
Wrangler Sport, Automatic Transmission	4,100 lbs. (1860 kg)
Wrangler Sahara, Manual Transmission	4,269 lbs. (1936 kg)
Wrangler Sahara, Automatic Transmission	4,294 lbs. (1948 kg)
Wrangler Rubicon, Manual Transmission	4,315 lbs. (1957 kg)
Wrangler Rubicon, Automatic Transmission	4,340 lbs. (1969 kg)

ACCOMMODATIONS

Seating Capacity, F/R	2/3
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 — 9.055 (230.0), Passenger — 9.055 (230.0)
Front Volume Index, cubic ft. (cu. m)	54.6 (1.55)



Rear

Head Room	40.4 (1025.4)
Legroom	37.2 (944.9)
Shoulder Room	56.8 (1443.1)
Hip Room	56.7 (1440.0)
Rear-Seat Volume Index, cubic ft. (cu. m)	49.4 (1.40)
Cargo Lift-over Height	31.4 (798.3)
Maximum Cargo Width at Swing Gate Opening	58.7 (1490.4)
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 (1135.6)
Cargo Volume cubic ft. (cu. m)	
Rear Seat Folded	86.75 (2.46)
Rear Seat Upright	46.43 (1.31)

BODY AND CHASSIS

Layout	Longitudinal front engine, four-wheel drive and two-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 — Optional
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	14.7:1 overall
Turning Diameter (curb-to-curb)	41.2 ft. (12.56 m) with 225/75R16 tires
Steering Turns (lock-to-lock)	3.5



BRAKES

Availability	Standard All
Power-assist Type	8 x 9 dual-diaphragm vacuum
Four-wheel Anti-lock Brake System (ABS) with On- and Off-road Calibrations	Standard All
Electronic Stability Control (ESC)	Standard All
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)	220.6 in./caliper
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)	207.7 in./caliper

WHEELS

Availability	Sport Standard
Type and Material	Painted steel
Size	16 x 7.0
Availability	Sport Optional, Rubicon Standard
Type and Material	Painted cast-aluminum
Size	17 x 7.5
Availability	70th Anniversary Wrangler
Type and Material	Polished aluminum
Size	18 x 7.5
Availability	Sahara Standard
Type and Material	Painted cast-aluminum
Size	18 x 7.5

TIRES

Availability	Sport Standard
Size and Type	P225/75R16 BSW, on/off-road
Mfr. and Model	Goodyear Wrangler ST
Revs per Mile (km)	712 (1146)
Availability	Sahara Standard
Size and Type	P255/70R18 OWL, on/off-road
Mfr. and Model	Bridgestone Dueler 693
Revs per Mile (km)	653 (1051)



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

TOWING CAPACITIES

WRANGLER UNLIMITED SPORT 4WD-LHD

Engine	Trans. Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max. Trail
3.8L V-6 Gas	M6	NSG370 6-SPD MANUAL	3.21 **	1142	4242	2215	2027	2775	3000	5418	1000
3.8L V-6 Gas	M6	NSG370 6-SPD MANUAL	3.73	1142	4242	2215	2027	2775	3000	7918	3500
3.8L V-6 Gas	A4	42RLE VLP 4-SPD AUTC	3.73	1142	4242	2215	2027	2775	3000	7942	3500

WRANGLER UNLIMITED SAHARA 4WD-LHD

Engine	Trans. Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max. Trail
3.8L V-6 Gas	M6	NSG370 6-SPD MANUAL	3.21 **	1067	4390	2257	2109	2775	3200	5567	1000
3.8L V-6 Gas	M6	NSG370 6-SPD MANUAL	3.73	1067	4390	2257	2109	2775	3200	8067	3500
3.8L V-6 Gas	A4	42RLE VLP 4-SPD AUTC	3.73	1067	4390	2266	2125	2775	3200	8090	3500

WRANGLER UNLIMITED RUBICON 4WD-LHD

Engine	Trans. Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max. Trail
3.8L V-6 Gas	M6	NSG370 6-SPD MANUAL	4.10	1056	4460	2320	2141	2775	3200	8160	3500
3.8L V-6 Gas	A4	42RLE VLP 4-SPD AUTO	4.10	1056	4484	2328	2156	2775	3200	8184	3500

NOTES:

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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