

2012 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 Supplier Park, Toledo, Ohio
EPA Vehicle Class	Multi-purpose vehicle
Introduction Date	2007

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 erpm (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 (16/20) Manual (16/21 — 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

General Overall Length	173.4 (4404.5)
Overall Width (without Mirrors)	73.9 (1876.5)
Height	70.8 (1799.5)
Wheelbase	116 (2947.2)
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	22.5 gallons

CLEARANCES

	P225/75R16	P255/75R17	P255/70R18	LT255/75R17
Approach Angle, Deg.	40.6	43.6	44.4	44.4
Breakover Angle, Deg.	17.8	20.3	20.9	20.8
Departure Angle, Deg.	37.4	40.3	40.7	40.5
Front Axle to Ground (inches)	9.0 (228.6)	10.2 (259.1)	10.5 (266.7)	10.5 (266.7)
Rear Axle to Ground (inches)	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 — 9.4 (239.5), Passenger — 9.4 (239.5)
Front-Volume Index, cu. 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
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 in.

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

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

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

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	4277	2238	2039	2775	3200	6427	2000
3.6L V-6 gas (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.73	1000	4277	2238	2039	2775	3200	7927	3500
3.6L V-6 gas (EGT)	A5	WA580 5-SPD AUTO (DGV)	3.21	1000	4921	2237	2054	2775	3200	6441	2000
3.6L V-6 gas (EGT)	A5	WA580 5-SPD AUTO (DGV)	3.73	1000	4291	2237	2054	2775	3200	7941	3500

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

WRANGLER UNLIMITED 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	4397	2273	2124	2775	3200	6547	2000
3.6L V-6 gas (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.73	880	4397	2273	2124	2775	3200	8047	3500
3.6L V-6 gas (EGT)	A5	WA580 5-SPD AUTO (DGL)	3.21	880	4411	2272	2139	2775	3200	6561	2000
3.6L V-6 gas (EGT)	A5	WA580 5-SPD AUTO (DGL)	3.73	880	4411	2272	2139	2775	3200	8061	3500

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

WRANGLER UNLIMITED 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	4521	2352	2170	2775	3200	8171	3500
3.6L V-6 gas (EGT)	A5	WA580 5-SPD AUTO (DGV)	3.73	892	4535	2350	2185	2775	3200	8185	3500
3.6L V-6 gas (EGT)	A5	WA580 5-SPD AUTO (DGV)	4.10	892	4535	2350	2185	2775	3200	8185	3500

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

