



WRANGLER UNLIMITED SPECIFICATIONS

2013 Jeep Wrangler Unlimited SPECIFICATIONS

Specifications are based on the latest product information available at the time of publication.

All dimensions are in inches (millimeters) unless otherwise noted.

All dimensions measured at curb weight with standard tires and wheels.

GENERAL INFORMATION

Vehicle Type	Four-door sport-utility vehicle
Assembly Plant	Toledo Supplier Park, Toledo, Ohio
EPA Vehicle Class	Multi-purpose vehicle
Introduction Date	1987

BODY/CHASSIS

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

ENGINE: 3.6-LITER, DOHC V-6

Availability	Standard on all models
Type and Description	60 degrees 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) (hp / kW@rpm)	285 hp (209 kW) at 6,400 rpm
Torque (SAE net) (lb.-ft. / N•m)	260 lb.-ft. (353 N•m) at 4,800 rpm
Max. Engine Speed (rpm)	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 (17/20) Manual (17/21 — 4x4)
Engine Assembly Plant	Trenton South Engine Plant, Trenton, Mich.



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TRANSMISSION: W5A580 AUTOMATIC, FIVE SPEED OVERDRIVE

Availability	Optional on all models
Description	Adaptive electronic control or Electronic Range Select (ERS) driver-interactive manual control and electronically modulated torque converter clutch
Gear Ratios Automatic	
1st	3.59
2nd	2.19
3rd	1.41
4th	1
5th	0.83
Reverse	3.16
Final Drive Ratio	3.06:1
Overall Top Gear	2.54

TRANSMISSION: NSG 370 MANUAL, SIX SPEED WITH 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	
1st	4.46
2nd	2.61
3rd	1.72
4th	1.25
5th	1
6th	0.797
Reverse	4.06
Final Drive ratio	3.21 standard, 3.73 optional (4.10 Rubicon)
Overall Top Gear	2.53 standard, 2.95 optional (3.24 Rubicon)

TRANSFER CASE: NV241 COMMAND-TRAC

Available	Standard on Sport and Sahara
Type	Part-time
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Center Differential Type	None
Low Range Ratio	2.72:1



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TRANSFER CASE: NV241OR ROCK-TRAC

Available	Standard Rubicon
Type	Part-time
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Center Differential Type	None
Low Range Ratio	4.0:1
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)

AXLES

Front	Dana 30, Dana 44 on Rubicon models
Differential Type	Open (Dana 30) or Tru-Lok electronic locking (Dana 44)
Axle Ratios	3.21, 3.73, 4.10
Rear	Dana 44
Differential Type	Open (Sport and Sahara) with available Trac-Lok anti-spin, Tru-Lok electronic locking (Rubicon)
Axle Ratios	3.21, 3.73, 4.10

ELECTRICAL SYSTEM

Alternator	160 amp
Battery	600 CCA, maintenance free
Suspension	
Front	Live axle, Link coil, leading arms, track bar, coil springs, stabilizer bar
Stabilizer bar	Electronic sway-bar disconnect system — Standard, Rubicon
Shock type	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
Rear	Live axle, Link coil, trailing arms, track bar, coil springs, stabilizer bar
Shock type	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) (ft./m)	41.2 ft. (12.56m)
Steering Turns (lock-to-lock)	3.5
P/S pump	Hydraulic



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BRAKES

Type	Power-assisted, Anti-lock braking system
Availability	Standard
Front	
Rotor size and type	11.9 x 1.1 (302 x 28) vented rotor
Caliper size and type	10 (254) single-diaphragm vacuum
Swept area, (sq. in. / sq. cm)	Standard on all models
Rear	
Rotor size and type	11.9 x 1.1 (302 x 28) vented rotor
Caliper size and type	2.6 (66) single-piston floating caliper
Swept area, (sq. in. / sq. cm)	234.3 in.

DIMENSIONS AND CAPACITIES

Wheelbase	116 (2947.2)
Overhang — Front	26.7 (679.2)
Overhang — Rear	30.6 (777.9)
Track — Front	61.9 (1572.3)
Track — Rear	61.9 (1572.3)
Overall Length	173.4 (4404.5)
Overall Width	73.7 (1872.9)
Overall Height	70.9 (1800.1)
Liftover Height	27.8 (706.1)
Cargo Width at Swing-Gate Opening	58.7 (1491.0)
Cargo Height at Swing-Gate Opening	37.1 (942.3)
Load Floor Height	27.8 (706.1)
Fuel Tank Capacity, (gallons)	18.6

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	10.2	10.5	10.5
Rear Axle to Ground (inches)	8.7	10.0	10.2	10.1



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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 (front/rear)	2/3
SAE Total Interior Passenger Volume, (cu. ft. / cu. m)	104 (2.94)
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	9.4 (239.5)
EPA Front Volume Index	54.6 (1.55)
Rear	
Head Room	40.4 (1025.4)
Legroom	37.2 (1041.4)
Knee Clearance	61.6 (1565.9)
Shoulder Room	56.8 (1443.1)
Hip Room	56.7 (1440.0)
EPA Rear Seat Volume Index or Intermediate Passenger Volume, (cu. ft. / cu. m)	49.4 (1.40)
Maximum Cargo Width at Liftgate Opening	58.7 (1491.0)
Minimum Cargo Width at Liftgate Opening	41.2 (1046.5)
Maximum Cargo Height at Liftgate Opening	37.1 (942.3)
Minimum Cargo Height at Liftgate Opening	37.0 (939.8)
Distance between Wheelhouse Interior Trim	44.7 (1135.4)
Cargo volume, rear seat folded	70.6 cu. ft. (2.00)
Cargo volume, rear seat upright	31.5 cu. ft. (0.89)



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WHEELS

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

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

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

TIRES

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

Parking Brake Type	Drum-in-hat
Power-assist Type	8 x 9 dual-diaphragm vacuum
Four-wheel Anti-lock Brakes	Standard
Electronic stability control	Standard
All-speed traction control	Standard



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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 (DGL)	3.21	1000	4921	2237	2054	2775	3200	6441	2000
3.6L V-6 gas (EGT)	A5	WA580 5-SPD AUTO (DGL)	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.

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