



2018 JEEP® WRANGLER JK
SPECIFICATIONS

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*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	Sport-utility vehicle
Assembly Plant	Toledo Supplier Park, Toledo, Ohio
EPA Vehicle Class	Multipurpose vehicle
Introduction Date	2007

BODY/CHASSIS

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

ENGINE: 3.6-LITER PENTASTAR V-6

Availability	Standard — all models
Type and Description	60-degree, V-type, liquid-cooled
Displacement (cu. in. / cc)	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, multiport, 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 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R + M)/2
Fuel Tank Capacity (gallons)	22.5
Oil Capacity	6.0 quarts (5.7 liters)
Coolant Capacity	14 quarts (13.25 liters)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features



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EPA Fuel Economy mpg (city/hwy/combined)	17/21/18 — automatic (2-door)
	17/21/18 — manual (2-door)
	16/21/18 — automatic (4-door)
	16/20/18 — manual (4-door)
Engine Assembly Plant	Trenton South Engine Plant, Trenton, Mich.

TRANSMISSION: W5A580 AUTOMATIC, FIVE-SPEED OVERDRIVE

Availability	Optional — 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 — 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)



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TRANSFER CASE: NV241 COMMAND-TRAC

Available	Standard — 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

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 with automatic) 4.10 standard Rubicon with manual (optional for automatic)
Overall Top-gear	2.53 standard, 2.95 optional (2.95 standard Rubicon with automatic) 3.24 standard Rubicon with 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



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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)	40.8 (12.43)
Steering Turns (lock-to-lock)	3.5
P/S pump	Hydraulic

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
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

DIMENSIONS AND CAPACITIES

Wheelbase	95.4 (2,423.1) – 2-door 116 (2,947.2) – 4-door
Overhang — Front	26.7 (679.2)
Overhang — Rear	30.6 (777.9)
Track — Front	61.9 (1,572.3)
Track — Rear	61.9 (1,572.3)
Overall Length (includes spare tire)	164.3 (4,173.2) – 2-door 184.9 (4,696.5) – 4-door
Overall Width	73.7 (1,872.9)
Overall Height	72.6 (1,844.0)
Liftover Height	27.8 (706.1)



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Cargo Width at Swing-Gate Opening	58.7 (1,491.0)
Cargo Height at Swing-Gate Opening	37.1 (942.3)
Load Floor Height	27.8 (706.1)

CLEARANCES

	P225/75R16 Standard on Sport	P255/75R17 Optional on Sport	P255/70R18 Standard on Sahara	LT255/75R17 Standard on Rubicon, Optional on Sport
Approach Angle (degrees)	38.5	41.3	41.7	42.2
Breakover Angle (degrees)	17.8	20.4	20.7	21.2
Departure Angle (degrees)	29.2	31.8	32.1	32.5
Ground Clearance (inches)	8.2	9.5	9.7	10

CURB WEIGHT

Wrangler Sport, Manual Transmission (lbs./kg)	4,075 (1,848)
Wrangler Sport, Automatic Transmission (lbs./kg)	4,100 (1,860)
Wrangler Sahara, Manual Transmission (lbs./kg)	4,269 (1,936)
Wrangler Sahara, Automatic Transmission (lbs./kg)	4,294 (1,948)
Wrangler Rubicon, Manual Transmission (lbs./kg)	4,315 (1,957)
Wrangler Rubicon, Automatic Transmission (lbs./kg)	4,340 (1,969)

ACCOMMODATIONS

Seating Capacity (front/rear)	2/2 – 2-door, 2/3 – 4-door
SAE Total Interior Passenger Volume, (cu. ft. / cu. m)	104 (2.94)
Front	
Headroom	41.3 (1,048.4)
Legroom	41.0 (1,041.4)
Shoulder Room	55.8 (1,416.7)
Hip Room	55.6 (1,412.8)
Seat Travel	9.4 (239.5)
EPA Front Volume Index	54.6 (1.55)



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Rear	
Headroom	40.4 (1,025.4)
Legroom	35.6 (904.2) – 2-door, 37.2 (1,041.4) – 4-door
Knee Clearance	61.6 (1,565.9)
Shoulder Room	56.8 (1,443.1)
Hip Room	44.7 (1,135.3) – 2-door, 56.7 (1,440) – 4-door
EPA Rear Seat Volume Index (cu. ft. / cu. m)	49.4 (1.40)
Liftover Height	31.4 (798.3)
Maximum Cargo Width at Liftgate Opening	58.7 (1,491.0)
Minimum Cargo Width at Liftgate Opening	41.2 (1,046.5)
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 (1,135.4)
SAE Cargo Volume	
Rear Seat Folded	70.6 cu. ft. (2.00)
Rear Seat Upright	31.5 cu. ft. (0.89)
Total Passenger plus Cargo Volume, (cu. ft. / cu. m)	150.4 cu. ft.

WHEELS

Availability	Standard (4-door)
Type and Material	Painted steel, available Low Gloss Black painted
Size	16 x 7.0 in.
Availability	Standard (4-door)
Type and Material	Painted and polished cast-aluminum
Size	18 x 7.5 in.
Availability	Standard (4-door)
Type and Material	Painted and polished cast-aluminum
Size	17 x 7.5 in.



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TIRES

Availability	Standard
Size and Type	P225/75R16, on/off-road, black sidewall
Mfr. and Model	Goodyear Wrangler ST
Revs per Mile (km)	712 (441)
Availability	Available
Size and Type	P245/75R16, on/off-road, OWL
Mfr. and Model	Bridgestone Dueler A/T Revo2
Revs per Mile (km)	684 (424)
Availability	Standard
Size and Type	P255/70R18, on/off-road, OWL
Mfr. and Model	Bridgestone Dueler 693
Revs per Mile (km)	653 (404)
Availability	Available
Size and Type	P255/75R17
Mfr. and Model	Goodyear Wrangler SR-A
Revs per Mile (km)	649 (401)
Availability	Standard
Size and Type	LT255/75R17, on/off-road, black sidewall
Mfr. and Model	BF Goodrich Mud Terrain
Revs per Mile (km)	650 (403)
Parking Brake Type	Drum-in-hat
Four-wheel Anti-lock Brakes	Standard
Electronic Stability Control	Standard
All-speed Traction Control	Standard



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TOWING CAPACITIES

WRANGLER SPORT 4WD (4-door)

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6-liter V-6 gas (EGT)	M6	NSG370 6-speed Manual (DEH)	3.21	1000	4277	2238	2039	2775	3200	6427	2000
3.6-liter V-6 gas (EGT)	M6	NSG370 6-speed Manual (DEH)	3.73	1000	4277	2238	2039	2775	3200	7927	3500
3.6-liter V-6 gas (EGT)	A5	WA580 5-speed Automatic (DGL)	3.21	1000	4921	2237	2054	2775	3200	6441	2000
3.6-liter V-6 gas (EGT)	A5	WA580 5-speed Automatic (DGL)	3.73	1000	4291	2237	2054	2775	3200	7941	3500

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

WRANGLER SAHARA 4WD (4-door)

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6-liter V-6 gas (EGT)	M6	NSG370 6-speed Manual (DEH)	3.21	880	4397	2273	2124	2775	3200	6547	2000
3.6-liter V-6 gas (EGT)	M6	NSG370 6-speed Manual (DEH)	3.73	880	4397	2273	2124	2775	3200	8047	3500
3.6-liter V-6 gas (EGT)	A5	WA580 5-speed Automatic (DGL)	3.21	880	4411	2272	2139	2775	3200	6561	2000
3.6-liter V-6 gas (EGT)	A5	WA580 5-speed Automatic (DGL)	3.73	880	4411	2272	2139	2775	3200	8061	3500

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

WRANGLER RUBICON 4WD (4-door)

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6-liter V-6 gas (EGT)	M6	NSG370 6-speed Manual (DEH)	4.10	892	4521	2352	2170	2775	3200	8171	3500
3.6-liter V-6 gas (EGT)	A5	WA580 5-speed Automatic (DGV)	3.73	892	4535	2350	2185	2775	3200	8185	3500
3.6-liter V-6 gas (EGT)	A5	WA580 5-speed Automatic (DGV)	4.10	892	4535	2350	2185	2775	3200	8185	3500

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

