



2024 Jeep® Wrangler 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.*

**Jeep Wrangler 4xe features and specs are included in 4xe specific documents.
Please reference Wrangler 4xe tab on the media site.**

GENERAL INFORMATION

Vehicle Type	Sport-utility vehicle
Assembly Plant	Toledo Supplier Park, Toledo, Ohio
EPA Vehicle Class	Multipurpose vehicle
Introduction Date	Fall 2017 as a 2018 model

BODY/CHASSIS

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

ENGINE: 3.6-LITER PENTASTAR V-6

Availability	Standard (all engine stop-start, MTX only) — Sport, Rubicon Available (all engine stop-start, ATX only) — Rubicon
Type and Description	60-degree, V-type, liquid-cooled
Displacement (cu. in. / cc)	220 cu. in. (3,604 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	11.3:1
Power (SAE net) (hp / kW @ rpm)	285 hp (213 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)	17.5 (2-door), 21.5 (4-door)
Oil Capacity	5.0 quarts (4.7 liters)
Coolant Capacity	10 quarts (10.1 liters)



ENGINE: 3.6-LITER PENTASTAR V-6 (CONTINUED)

Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	2,000 lbs. (2-door), 3,500 lbs. (4-door), 5,000 lbs. (4-door Rubicon, automatic)
EPA Fuel Economy mpg (city/hwy/combined)	17/23/19 — manual with engine stop-start (ESS) (2-door) 16/22/19 — manual with ESS (4-door) 18/24/20 — automatic with engine stop-start (ESS) (2-door) 18/23/20 — automatic with engine stop-start (ESS) (4-door)
Assembly Plant	Saltillo South Engine Plant, Saltillo, Coahuila, Mexico

ENGINE: 2.0-LITER TURBO I-4

Availability	Standard — Sahara, High Altitude Available — Sport, Rubicon (all ESS)
Type and Description	I-4 16-valve with direct injection, turbo charging, with throttled, cooled exhaust gas recirculation (EGR)
Displacement (cu. in. / cc)	121 cu. in. (1995 cu. cm)
Bore x Stroke	3.31 x 3.54 (84 x 90)
Valve System	Chain-driven DOHC, 16 valves
Fuel Injection	Direct injection
Construction	Aluminum block, aluminum alloy heads
Compression Ratio	10.0:1
Power (SAE net) (hp / kW @ rpm)	270 hp (200 kW) at 5,250 rpm
Torque (SAE net) (lb.-ft. / N•m)	295 lb.-ft. (400 N•m) at 3,000 rpm
Max. Engine Speed (rpm)	5,800 rpm (electronically limited)
Fuel Requirement	Minimum unleaded regular, 87 octane (R + M)/2; 91 octane or higher recommended for optimum fuel economy and performance
Fuel Tank Capacity (gallons)	17.5 (2-door), 21.5 (4-door)
Oil Capacity	5 quarts (4.7 liters)
Coolant Capacity	9.9 quarts (9.4 liters)
Emission Controls	GPEC4 engine-management system with close-coupled catalyst and wide range O ₂ sensor
Max. Gross Trailer Weight	2,000 lbs. (2-door), 3,500 lbs. (4-door), 5,000 lbs. (4-door Rubicon, automatic)
EPA Fuel Economy mpg (city/hwy/combined)	20/21/21 — automatic with ESS (2-door) 20/20/20 — automatic with ESS (4-door)
Assembly Plant	Termoli, Italy and Trenton South Engine Plant, Trenton, Michigan



ENGINE: 6.4-LITER V-8

Availability	Standard — Rubicon 392
Type and Description	90-degree V-type, liquid cooled
Displacement (cu. in. / cc)	392 cu. in. (6,417 cu. cm)
Bore x Stroke	4.09 x 3.72 (103.9 x 94.6)
Valve System	Pushrod-operated overhead valves, 16 valves with sodium-filled exhaust valves and hollow stem intake valves, 16 conventional hydraulic lifters, all with roller tips
Fuel Injection	Sequential, multi-port, electronic, returnless; Fuel Saver mode
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers
Compression Ratio	10.9:1
Power (SAE net) (hp / kW @ rpm)	470 hp (354 kW) @ 6,000 rpm
Torque (SAE net) (lb.-ft. / N•m)	470 lb.-ft. (637 N•m) @ 4,300 rpm
Max. Engine Speed (rpm)	6,400 rpm (electronically limited)
Fuel Requirement	Premium 91 octane (R+M)/2 — required
Fuel Tank Capacity (gallons)	21.5
Oil Capacity	7 quarts (6.6 liters)
Coolant Capacity	14 quarts (13.25 liters)
Emission Controls	Dual close-coupled three-way catalytic converters, quad-heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	3,500 lbs.
EPA Fuel Economy mpg (city/hwy/combined)	12/16/14
Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico

TRANSMISSION: 850RE AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard — 2.0-liter I-4 ESS Optional — 3.6-liter V-6 with engine stop-start (ESS)
Description	Adaptive electronic control or Electronic Range Select (ERS) driver-interactive manual control and electronically modulated torque converter clutch
Gear Ratios	
1st	4.71
2nd	3.13
3rd	2.10
4th	1.67
5th	1.28
6th	1.00

**TRANSMISSION: 850RE AUTOMATIC, EIGHT-SPEED OVERDRIVE (CONTINUED)**

7th	0.84
8th	0.67
Reverse	3.30

TRANSMISSION: 8HP75 AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard — 6.4-liter V-8
Description	Adaptive electronic control or ERS driver-interactive manual control and electronically modulated torque converter clutch
Gear Ratios	
1st	4.71
2nd	3.13
3rd	2.10
4th	1.67
5th	1.28
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30

TRANSMISSION: D478 MANUAL, SIX-SPEED WITH OVERDRIVE

Availability	Standard — 3.6-liter V-6 with engine stop-start
Description	Synchronized in all forward gears and Reverse, multi-rail shift system with top-mounted shift lever
Gear Ratios	
1st	5.13
2nd	2.63
3rd	1.53
4th	1.00
5th	0.81
6th	0.72
Reverse	4.49

TRANSFER CASE: NV241 COMMAND-TRAC

Available	Standard — Sport and Sahara
Type	Part-time
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low Range Ratio	2.72:1



TRANSFER CASE: MP3022 SELEC-TRAC

Available	Standard — Rubicon 392, Optional — Sport and Sahara
Type	Full-time
Operating Modes	2WD High (N/A 392); 4WD Auto; 4WD High; Neutral; 4WD Low
Low Range Ratio	2.72:1

TRANSFER CASE: MP3022OR ROCK-TRAC

Available	Optional — Rubicon
Type	Full-time
Operating Modes	2WD High; 4WD Auto; 4WD High; Neutral; 4WD Low
Low Range Ratio	4.0:1

TRANSFER CASE: NV241OR ROCK-TRAC

Available	Standard — Rubicon
Type	Standard — Part-time
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low Range Ratio	4.0:1

AXLES

Front	3 rd generation Dana axles
Differential type	Open or Tru-Lok electronic locking (Rubicon models)
Rear	3 rd generation Dana axles Dana 44 HD Full Float (Rubicon models)
Differential type	Open (Sport, Sahara) Tru-Lok electronic locking (Rubicon models)
Axle ratios	3.45, 4.10 (Rubicon, Willys), 4.56 (Rubicon 392 and Xtreme 35 Pkg), 4.88 (opt Rubicon 3.6 liters)

ELECTRICAL SYSTEM

Architecture	Powernet
Alternator (standard)	180 amp, 240 amp (optional)
Battery (standard)	650 CCA, maintenance free (standard) 700 CCA, maintenance free (optional)

ELECTRICAL SYSTEM (RUBICON 392)

Architecture	Powernet
Alternator	220 amp
Battery	700 CCA, maintenance free



SUSPENSION

Front	Solid axle, link coil, leading arms, track bar, coil springs, stabilizer bar
Stabilizer bar	Electronic sway-bar disconnect system — (Rubicon models)
Shock type	Sport: High-pressure gas-charged monotube shock absorbers Sahara: High-pressure gas-charged monotube shock absorbers Rubicon: High-pressure gas-charged monotube shock absorbers Rubicon 392: High-pressure gas-charged monotube shock absorbers
Rear	Solid axle, link coil, trailing arms, track bar, coil springs, stabilizer bar
Shock type	Sport: High-pressure gas-charged monotube shock absorbers Sahara: High-pressure gas-charged monotube shock absorbers Rubicon: High-pressure gas-charged monotube shock absorbers Rubicon 392: High-pressure gas-charged monotube shock absorbers

STEERING

Type	Electro-hydraulic power
Overall ratio	17.7:1 (2-door), 14.9:1 (4-door)
Turning diameter (curb-to-curb) (ft. / m)	32.7 / 10.0 (2-door), 38.8 / 11.8 (4-door)
Steering Turns (lock-to-lock)	3.6 (2-door), 3.2 (4-door), 3.1 (Rubicon 392, Xtreme 35 Pkg)
P/S Pump	Electro-hydraulic

BRAKES

Type	Power-assisted, anti-lock brake system
Front	
Rotor size and type	12.9 x .94 (330 x 24) vented rotor — Sport 12.9 x 1.1 (330 x 28) vented rotor — Sahara, Willys and Rubicon models
Caliper size and type	1.88 (48) twin-piston floating caliper — Sport 2 (51) twin-piston floating caliper — Sahara, Rubicon
Rear	
Rotor size and type	12.9 x .47 (328 x 12) solid rotor — Sport 13.4 x .55 (342 x 14) solid rotor — Sahara, Willys and Rubicon 14 x .86 (350 x 22) vented rotor — Rubicon 392, Xtreme 35 Pkg (4-door)
Caliper size and type	1.77 (45) single-piston floating caliper — Sport 1.88 (48) single-piston floating caliper — Sahara and Rubicon 2 (51) single-piston floating calipers — Rubicon 392, Xtreme 35 Pkg (4-door)



DIMENSIONS AND CAPACITIES

Wheelbase	96.8 (2,460) — 2-door, 118.4 (3,008) — 4-door
Overhang — Front	29.2 (741.6) 29.5 (749.8) — Rubicon 392
Overhang — Rear	40.8 (1,036.3) 40.3 (1,023) — Rubicon 392
Track — Front	62.9 (1,598) 64.4 (1,636) — Rubicon 66.9 (1,699) — Xtreme 35 Pkg and Rubicon 392
Track — Rear	62.9 (1,598) 64.4 (1,636) — Rubicon 66.9 (1,699) — Xtreme 35 Pkg and Rubicon 392
Overall Length (includes spare tire)	166.8 (4,237) — 2-door 170.9 (4,341) — Xtreme 35 Pkg (2-door) 188.4 (4,785) — 4-door 192.5 (4,890) — Xtreme 35 Pkg (4-door) and Rubicon 392
Overall Width	73.9 (1,877) 79.3 (2,014) — Xtreme 35 Pkg and Rubicon 392
Overall Height	73.6 (1,868.4) 80.0 (2,032) — Xtreme 35 Pkg and Rubicon 392

CLEARANCES

Clearances	245/75R17 Standard on Sport	255/70R18 Standard on Sahara	LT285/70R17 Standard on Rubicon	LT315/70R17 Standard on Rubicon 392, Optional on Rubicon
Approach Angle (degrees)	41.4	41.8	44 (2-door) 43.9 (4-door)	47.4 (4-door) 47.2 (2-door) 47.5 (Rubicon 392)
Breakover Angle (degrees)	25 (2-door) 20.3 (4-door)	21	27.8 (2-door) 22.6 (4-door)	26.7 (4-door) 32.4 (2-door) 25.4 (Rubicon 392)
Departure Angle (degrees)	35.9 (2-door) 36.1 (4-door)	36.1	37	40.4
Ground Clearance (inches)	9.7	10	10.8	12.9 (4-door) 12.6 (2-door) 11.6 (Rubicon 392)
Ramp Travel Index (Front Sta-bar disconnected)	N/A	N/A	890 (2-door) 770 (4-door)	712 (Rubicon 392)
Water fording (inches)	30	30	30	34.0

*Measurements the same for both 2- and 4-door models unless specified



CURB WEIGHT

Curb Weight	2.0-liter (2- and 4-door)	3.6-liter (2- and 4-door)	6.4-liter (4-door)
Wrangler Sport			
Automatic Transmission (lbs. / kg)	4,044 (1,834) / 4,296 (1,949)	N/A	N/A
Manual Transmission (lbs. / kg)	N/A	4,012 (1,820) / 4,285 (1,944)	N/A
Wrangler Sahara			
Automatic Transmission (lbs. / kg)	4,369 (1,982)	N/A	N/A
Manual Transmission (lbs. / kg)	N/A	N/A	N/A
Wrangler Rubicon			
Automatic Transmission (lbs. / kg)	4,279 (1,941) / 4,602 (2,088)	4,275 (1,939) / 4,604 (2,088)	5,245 (2,379)
Manual Transmission (lbs. / kg)	N/A	4,246 (1,926) / 4,575 (2,075)	N/A

**Weights differ by transmission called out*

ACCOMMODATIONS

Seating Capacity (front/rear)	2/2 (2-door), 2/3 (4-door)
SAE Total Interior Passenger Volume, (cu. ft. / cu. m)	103.7 (2.94)
Front	
Headroom	40.8 (1,036) hardtop, 42.6 (1,083) soft top
Legroom	41.2 (1,046)
Shoulder room	55.8 (1,417)
Hip room	53.9 (1,370)
Seat travel	8.1 (206)
EPA front volume index	53.8 (1.52)
Rear	
Headroom	40.3 (1,023) hardtop, 41.7 (1,059) soft top
Legroom	35.7 (904.2) — 2-door, 38.3 (974) — 4-door
Knee clearance	61.6 (1,565.9)
Shoulder room	57.7 (1,458) — 2-door, 55.8 (1,417) — 4-door
Hip room	45 (1,143) — 2-door, 56.7 (1,440) — 4-door
EPA rear seat volume index (cu. ft. / cu. m)	49.9 (1.40)
Liftover height	29.7 (756.4), 30.8 (782) — Rubicon 392
Load floor height	30 (762.1)
Maximum cargo width at liftgate opening	47.9 (1,218.7)

ACCOMMODATIONS (CONTINUED)

Minimum cargo width at liftgate opening	41.1 (1,052)
Maximum cargo height at liftgate opening	36.0 (942.3)
Minimum cargo height at liftgate opening	35.7 (907.8)
Distance between wheelhouse interior trim	45.0 (1,143)
SAE Cargo Volume	
Rear seat folded	72.4 cu. ft. (2.05)
Rear seat upright	31.7 cu. ft. (0.89)
Total passenger plus cargo volume, (cu. ft. / cu. m)	150.4 / 4.26

WHEELS

Availability	Standard (Sport)
Type and material	Steel Painted Low Gloss Black
Size	17 x 7.5 in.
Availability	Standard (Sport S)
Type and material	Fully painted Baltic Gray cast-aluminum
Size	17 x 7.5 in.
Availability	Optional (Sport S)
Type and material	Machined cast-aluminum with Baltic Gray
Size	17 x 7.5 in.
Availability	Standard (Sahara)
Type and material	Machined cast-aluminum with Baltic Gray
Size	18 x 7.5 in.
Availability	Optional (Sahara)
Type and material	Machined cast-aluminum with Baltic Gray
Size	18 x 7.5 in.
Availability	Standard (Rubicon)
Type and material	Machined cast-aluminum with black pockets
Size	17 x 7.5 in.
Availability	Optional (Rubicon)
Type and material	Machined cast-aluminum with black pockets
Size	17 x 7.5 in.
Availability	Optional (Rubicon/Sport S)
Type and material	Beadlock capable cast aluminum, Machined Face with Mid Gloss Black Painted Pockets and Mid Gloss Black trim ring
Size	17 x 8 in.
Availability	Standard (Rubicon 392)
Type and material	Beadlock capable cast aluminum, Machined Face with Smoke Bronze Low Gloss Painted Pockets and Mid Gloss Black trim ring
Size	17 x 8 in.



TIRES

Availability	Standard (Sport)
Size and type	P245/75R17, on/off-road, black sidewall
Mfr. and model	Nexen Roadian HTX2
Revs per mile (km)	666 (414) — Nexen Roadian HTX2
Availability	Optional (Sport)
Size and type	P245/75R17, all-terrain, black sidewall
Mfr. and model	Nexen Roadian ATX
Revs per mile (km)	668 (415) — Nexen Roadian ATX
Availability	Standard (Sahara)
Size and type	P255/70R18, on/off-road, OWL
Mfr. and model	Bridgestone Dueler HT 685
Revs per mile (km)	650 (404) — Bridgestone Dueler HT 685
Availability	Optional (Sahara)
Size and type	P255/70R18 All-Terrain
Mfr. and model	General Grabber AT Sport
Revs per mile (km)	655 (407)
Availability	Standard (Rubicon and Willys)
Size and type	LT285/70R17C, on/off-road, black sidewall
Mfr. and model	BFGoodrich All-Terrain T/A KO2
Revs per mile (km)	637 (404)
Availability	Standard (Xtreme 35 and Rubicon 392)
Size and type	LT315/70R17C, on/off-road, black sidewall
Mfr. and model	BFGoodrich All-Terrain T/A KO2
Revs per mile (km)	604 (376)
Four-wheel Anti-lock Brakes	Standard
Electronic Stability Control	Standard
All-speed Traction Control	Standard

TOWING CAPACITIES

WRANGLER SPORT (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	M6	D478 6-speed manual	3.45	1218	4285	2252	2033	2700	3000	8250	3500
3.6-liter V-6 gas	A8	850RE 8-speed automatic	3.45	1213	4314	2280	2034	2700	3000	8250	3500
2.0-liter I-4 gas	A8	850RE 8-speed automatic	3.45	1197	4296	2272	2024	2700	3000	8400	3500

GCWR = Base Weight + EPA OPTIONS WEIGHT + 2 Passenger Weight + Trailer weight rating + Trailer equipment



WRANGLER SAHARA (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	M6	D478 6-speed manual	3.45	1257	4339	2273	2066	2700	3000	8400	3500
3.6-liter V-6 gas	A8	850RE 8-speed automatic	3.45	1228	4368	2301	2067	2700	3000	8400	3500
2.0-liter I-4 gas	A8	850RE 8-speed automatic	3.45	1228	4369	2305	2064	2700	3000	8400	3500

GCWR = Base Weight + EPA OPTIONS WEIGHT + 2 Passenger Weight + Trailer weight rating + Trailer equipment

WRANGLER RUBICON (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	M6	D478 6-speed manual	4.10	1327	4575	2396	2179	3100	3550	8500	3500
3.6-liter V-6 gas	A8	850RE 8-speed automatic	4.10	1298	4604	2424	2180	3100	3550	10300	5000
3.6-liter V-6 gas	A8	850RE 8-speed automatic	4.56	1298	4604	2424	2180	3100	3550	8500	3500
3.6-liter V-6 gas	M6	D478 6-speed manual	4.88	1328	4575	2396	2179	3100	3550	8500	3500
3.6-liter V-6 gas	A8	850RE 8-speed automatic	4.88	1298	4604	2424	2180	3100	3550	8600	3500
2.0-liter I-4 gas	A8	850RE 8-speed automatic	4.10	1298	4602	2421	2181	3100	3550	9950	5000
6.4-liter V-8 gas	A8	8HP75 8-speed automatic	4.56	1088	5268	2797	2471	3400	3550	10800	3500

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