

# FCA CANADA

## 2021 Jeep® Wrangler

### SPECIFICATIONS

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

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

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

#### GENERAL INFORMATION

Vehicle Type	Sport-utility vehicle
Assembly Plant	Toledo, Ohio, USA
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-LITRE PENTASTAR V-6

Availability	Standard (all engine stop-start , MTX only) — Sport, Sahara, Rubicon
	Available (all eTorque mild-hybrid assist, ATX only) — Sport, Sahara, Rubicon
Type and Description	60-degree, V-type, liquid-cooled
Displacement (cc / cu. in.)	3,604 (220)
Bore x Stroke	96 x 83 (3.78 x 3.27)
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, litres (gallons)	66.2 (17.5) (2-door), 81.3 (21.5) (4-door)

Oil Capacity	4.7 litres (5.0 quarts)
Coolant Capacity	10.1 litres (10 quarts)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	2,000 lb. (2-door), 3,500 lb. (4-door)
EnerGuide (2021) Fuel Consumption Ratings L/100 km (MPG – imp. gal.) (city/hwy/combined)	13.7(21) / 9.6(29) / 11.8(24) — manual with ESS (2-door) 13.8(20) / 10.1(28) / 12.2(23) — manual with ESS (4-door) 12.8(22) / 10.4(27) / 11.8(24) — automatic with eTorque mild-hybrid assist (2-door) 12.9(22) / 10.2(28) / 11.7(24) — automatic with eTorque mild-hybrid assist (4-door)
Based on 2021 EnerGuide fuel consumption ratings. Government of Canada test methods used. Your actual fuel consumption will vary based on driving habits and other factors. For EnerGuide information, please visit the Government of Canada website: <a href="http://www.vehicles.nrcan.gc.ca">www.vehicles.nrcan.gc.ca</a>	
Assembly Plant	Saltillo South Engine Plant, Saltillo, Coahuila, Mexico

#### ENGINE: 2.0-LITRE TURBO I-4

Availability	Available — Sport, Sahara, Rubicon (all ESS)
Type and Description	I-4 16-valve with direct injection, turbo charging, with throttled, cooled EGR
Displacement (cc / cu. in.)	1,995 (121)
Bore x Stroke	84 x 90 (3.31 x 3.54)
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, litres (gallons)	66.2 (17.5) (2-door), 81.3 (21.5) (4-door)
Oil Capacity	4.7 litre (5 quarts)
Coolant Capacity	9.4 litres (9.9 quarts)
Emission Controls	GPEC4 engine-management system with close-coupled catalyst and wide range O <sub>2</sub> sensor

Max. Gross Trailer Weight	907 kg (2,000 lb.) (2-door), 1,587 kg (3,500 lb.) (4-door)
EnerGuide (2021) Fuel Consumption Ratings L/100 km (MPG – imp. gal.) (city/hwy/combined)	10.5(27) / 9.4(30) / 10(28) — automatic with ESS (2-door) 10.9(26) / 10(28) / 10.5(27) — automatic with ESS (4-door)
Based on 2021 EnerGuide fuel consumption ratings. Government of Canada test methods used. Your actual fuel consumption will vary based on driving habits and other factors. For EnerGuide information, please visit the Government of Canada website: <a href="http://www.vehicles.nrcan.gc.ca">www.vehicles.nrcan.gc.ca</a>	
Assembly Plant	Termoli, Italy and Trenton South Engine Plant, Trenton, Michigan

#### ENGINE: 3.0-LITRE ECODIESEL V-6

Availability	Available – Sport, Rubicon, Sahara (all ESS, 4-door only)
Type and Description	60-degree diesel V-6
Displacement (cc / cu. in.)	2,987 (182)
Bore x Stroke	83 x 92 (3.27 x 3.60)
Valve System	Chain driven DOHC, 24 valves, hydraulic lash adjusters with roller fingers follower
Fuel Injection	Common rail, 29,000 psi (2000 bar), solenoid injectors
Construction	Compacted graphite iron cylinder block, aluminum alloy heads
Compression Ratio	16.0:1
Power	260 hp (194 kW) @ 3,600 rpm
Torque	442 lb.-ft. (600 N•m) @ 1,400-2,800 rpm
Max. Engine Speed	4,600 rpm
Fuel Requirement	Ultra-low sulfur diesel
Fuel Tank Capacity, litres (gallons)	69.2 (18.3)
Oil Capacity	8.5 litres (9.0 quarts)
Coolant Capacity	11.6 litres (12.3 quarts)
Emission Controls	High-pressure exhaust gas recirculation (EGR), low-pressure EGR, oxidation catalyst, diesel particulate filter, SCR with urea injection

Max. Gross Trailer Weight	1,587 kg (3,500 lb.)
EnerGuide (2021) Fuel Consumption Ratings L/100 km (MPG – imp. gal.) (city/hwy/combined)	10.6 (27) / 8.1(35) / 9.5(30) — automatic with ESS (4-door only)
Based on 2021 EnerGuide fuel consumption ratings. Government of Canada test methods used. Your actual fuel consumption will vary based on driving habits and other factors. For EnerGuide information, please visit the Government of Canada website: <a href="http://www.vehicles.nrcan.gc.ca">www.vehicles.nrcan.gc.ca</a>	
Assembly Plant	Cento, Italy

#### TRANSMISSION: 850RE AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard — 2.0-litre I-4 ESS Optional — 3.6-litre V-6 with eTorque mild-hybrid assist
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
7th	0.84
8th	0.67
Reverse	3.30

#### TRANSMISSION: 8HP75 AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard — 3.0-litre EcoDiesel V-6 ESS
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-litre V-6 with eTorque mild-hybrid assist
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
Final Drive Ratio	3.45 standard, 3.73 optional (4.10 Rubicon)

#### **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	Optional — Sport and Sahara
Type	Full-time
Operating Modes	2WD High; Auto; 4WD High; Neutral; 4WD Low
Low Range Ratio	4.0:1
Axle Ratio	3.45 standard
	4.10 standard Rubicon with manual (optional for automatic)

#### **TRANSFER CASE: NV241OR ROCK-TRAC**

Available	Standard — Rubicon
Type	Standard - Part-time

Available – Full-time

Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low Range Ratio	4.0:1
Axle Ratio	3.45 standard
	4.10 standard Rubicon

## AXLES

Front	3rd generation Dana axles
Differential type	Open or Tru-Lok electronic locking (on Rubicon models)
Axle ratios	3.45, 3.73 (EcoDiesel), 4.10
Rear	3rd generation Dana axles
Differential type	Open (Sport and Sahara) with available Trac-Lok anti-spin, Tru-Lok electronic locking (Rubicon)
Axle ratios	3.45, 3.73 (EcoDiesel), 4.10

## ELECTRICAL SYSTEM

Alternator (standard)	180 amp
Battery (standard)	650 CCA, maintenance free

## SUSPENSION

Front	Solid axle, link coil, leading arms, track bar, coil springs, stabilizer bar
Stabilizer bar	Electronic sway-bar disconnect system — standard, Rubicon
Shock type	Sport: Gas-charged twin-tube shock absorbers with full displacement Multi-tuned Valve (MTV) technology
	Sahara: High-pressure gas-charged monotube shock absorbers with MTV technology
	Rubicon: High-pressure gas-charged monotube shock absorbers with MTV technology and hydraulic rebound stop
Rear	Solid axle, link coil, trailing arms, track bar, coil springs, stabilizer bar
Shock type	Sport: Gas-charged twin-tube shock absorbers with full displacement MTV technology
	Sahara: High-pressure gas-charged monotube shock absorbers with MTV technology
	Rubicon: High-pressure gas-charged monotube shock absorbers with MTV technology and hydraulic rebound stop

## STEERING

Type	Electro-hydraulic power
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Overall ratio	17.4:1 (2-door), 15.6:1 (4-door), 14.3:1 (EcoDiesel)
Turning diameter (curb-to-curb), m (ft.)	10.5 (34.5) (2-door), 12.0 (39.4) (4-door)
Steering Turns (lock-to-lock)	3.6 (2-door), 3.2 (4-door), 3.13 (EcoDiesel)
P/S Pump	Electro-hydraulic

## BRAKES

Type	Power-assisted, anti-lock brake system
Availability	Standard
Front	
Rotor size and type	330 x 24 (12.9 x .94) vented rotor — Sport 330 x 28 (12.9 x 1.1) vented rotor — Sahara and Rubicon
Caliper size and type	48 (1.88) twin-piston floating caliper — Sport 51 (2) twin-piston floating caliper — Sahara and Rubicon
Rear	
Rotor size and type	328 x 12 (12.9 x .47) solid rotor — Sport 342 x 14 (13.4 x .55) solid rotor — Sahara and Rubicon
Caliper size and type	45 (1.77) single-piston floating caliper — Sport 48 (1.88) single-piston floating caliper — Sahara and Rubicon

## DIMENSIONS AND CAPACITIES

Wheelbase	2,460 (96.8) — 2-door, 3,008 (118.4) — 4-door
Overhang — Front	741.6 (29.2)
Overhang — Rear	1,036 (40.8)
Track — Front	1,598 (62.9)
Track — Rear	1,598 (62.9)
Overall Length (includes spare tire)	4,237 (166.8) — 2-door, 4,785 (188.4) — 4-door
Overall Width	1,875 (73.8)
Overall Height	1,868.4 (73.6)
Liftover Height	756.4 (29.7)
Cargo Width at Swing-Gate Opening	1,052 (41.1)

Cargo Height at Swing-Gate Opening	942.3 (36)
Load Floor Height	762.1 (30)

## CLEARANCES

	<b>245/75R17 Standard on Sport</b>	<b>255/70R18 Standard on Sahara</b>	<b>LT285/70R17 Standard on Rubicon</b>
Approach Angle (degrees)	41.4	41.8	44 (2-door) 43.9 (4-door)
Breakover Angle (degrees)	25 (2-door) 20.3 (4-door)	21	27.8 (2-door) 22.6 (4-door)
Departure Angle (degrees)	35.9 (2-door) 36.1 (4-door)	36.1	37
Ground Clearance, cm (inches)	24.6 (9.7)	25.4 (10)	27.4 (10.8)

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

<b>CURB WEIGHT</b>	<b>2.0-litre (2- and 4-door)</b>	<b>3.0-litre (4-door)</b>	<b>3.6-litre (2- and 4-door)</b>
<b>Wrangler Sport</b>			
Automatic Transmission, kg (lb.)	1,971 (3,948) / 1,903 (4,196)	2,111 (4,654)	1,778 (3,919) / 1,890 (4,167)
Manual Transmission, kg (lb.)	N/A	N/A	1,791 (3,948) / 1,903 (4,196)
<b>Wrangler Sahara</b>			
Automatic Transmission, kg (lb.)	1,999 (4,406)	2,149 (4,737)	1,999 (4,406)
Manual Transmission, kg (lb.)	N/A	N/A	1,934 (4,263)
<b>Wrangler Rubicon</b>			
Automatic Transmission, kg (lb.)	1,915 (4,222) / 2,031 (4,478)	2,205 (4,862)	1,902 (4,193) / 2,018 (4,449)
Manual Transmission, kg (lb.)	N/A	N/A	1,915 (4,222) / 2,031 (4,478)



\*weights differ by transmission called out

## ACCOMMODATIONS

Seating Capacity (front/rear)	2/2 (2-door), 2/3 (4-door)
SAE Total Interior Passenger Volume, litres (cu. ft.)	2,936 (103.7)
Front	
Headroom	1,036 (40.7) hardtop, 1,083 (42.6) soft top
Legroom	1,038 (41.2)
Shoulder room	1,417 (55.7)
Hip room	1,370 (53.9)
Seat travel	206 (8.1)
EPA front volume index, litres (cu. ft.)	1,523 (53.8)
Rear	
Headroom	1,023 (40.2) hardtop, 1,059 (41.7) soft top
Legroom	904.2 (35.7) — 2-door, 974 (38.3) — 4-door
Knee clearance	1,565.9 (61.6)
Shoulder room	1,458 (57.7) — 2-door, 1,417 (55.7) — 4-door
Hip room	1,143 (45) — 2-door, 1,440 (56.7) — 4-door
EPA rear seat volume index, litres (cu. ft.)	1.413 (49.9)
Liftover height	756.4 (29.7)
Maximum cargo width at liftgate opening	1,218.7 (47.9)
Minimum cargo width at liftgate opening	1,052 (41.1)
Maximum cargo height at liftgate opening	942.3 (36.0)
Minimum cargo height at liftgate opening	907.8 (35.7)

Distance between wheelhouse interior trim	1,143 (45.0)
SAE Cargo Volume, litres (cu. ft.)	
Rear seat folded	2,050 (72.4)
Rear seat upright	897 (31.7)
Total passenger plus cargo volume, litres (cu. ft.)	4.258 (150.4)

## WHEELS

Availability	Standard (Sport)
Type and material	Painted steel, Low Gloss Black painted
Size	17 x 7.5 in.

Availability	Standard (Sport S)
Type and material	Fully painted cast-aluminum with High Gloss Tech Silver
Size	17 x 7.5 in.

Availability	Optional (Sport S)
Type and material	Painted and polished cast-aluminum with Low Gloss Granite Crystal
Size	17 x 7.5 in.

Availability	Standard (Sahara)
Type and material	Painted spokes with polished cast-aluminum
Size	18 x 7.5 in.

Availability	Optional (Sahara)
Type and material	Painted High Gloss Technical Gray with polished cast-aluminum
Size	18 x 7.5 in.

Availability	Standard (Rubicon)
Type and material	Painted pocket with Mid-Gloss paint and polished cast-aluminum
Size	17 x 7.5 in.

Availability	Optional (Rubicon)
Type and material	Painted pocket with Mid-Gloss paint and polished cast-aluminum
Size	17 x 7.5 in.

## TIRES

Availability	Standard (Sport)
Size and type	P245/75R17, on/off-road, black sidewall
Mfr. and model	Michelin LTX MS2, Bridgestone Dueler HT 685, Bridgestone Dueler AT RH-S, Goodyear Wrangler Adventure AT
Revs per km (mile)	413 (665) — Michelin LTX MS2
	411(661)— Bridgestone Dueler HT 685 & AT RH-S
	415 (668) — Goodyear Wrangler Adventure AT

Availability	Standard (Sahara)
Size and type	P255/70R18, on/off-road, OWL
Mfr. and model	Bridgestone Dueler HT 685, Bridgestone Dueler AT RH-S, Goodyear Wrangler Adventure AT
Revs per km (mile)	403 (649)

Availability	Standard (Rubicon)
Size and type	LT285/70R17C, on/off-road, black sidewall
Mfr. and model	BF Goodrich KO2 All-Terrain
Revs per km (mile)	401 (645)

Availability	Optional (Rubicon)
Size and type	LT285/70R17C
Mfr. and model	Falken Wildpeak M/T
Revs per km (mile)	383 (617)

Four-wheel Anti-lock Brakes	Standard
Electronic Stability Control	Standard
All-speed Traction Control	Standard

## TOWING CAPACITIES, KG (LB.)

### 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-litre V-6 gas	M6	D478 6-speed manual	3.45	559 (1,233)	1890 (4,167)	1,006 (2,217)	885 (1,950)	1,225 (2,700)	1,361 (3,000)	3,682 (8,117)	1,588 (3,500)
3.6-litre V-6 gas	A8	850RE 8-speed automatic	3.45	546 (1,204)	1,903 (4,196)	1,019 (2,246)	885 (1,950)	1,225 (2,700)	1,361 (3,000)	3,682 (8,117)	1,588 (3,500)
3.0-litre V-6 diesel	A8	8HP75 8-speed automatic	3.73	515 (1,136)	2,111 (4,654)	1,131 (2,494)	980 (2,160)	1,406 (3,100)	1,406 (3,100)	3,822 (8,427)	1,588 (3,500)
2.0-litre I-4 gas	A8	850RE 8-speed automatic	3.45	546 (1,204)	1,903 (4,196)	1,042 (2,298)	924 (2,038)	1,225 (2,700)	1,361 (3,000)	3,682 (8,117)	1,588 (3,500)

GCWR = Base Weight + Maximum Trailer Weight + 68 kg (150 lb.) for driver.

### 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-litre V-6 gas	M6	D478 6-speed manual	3.45	561 (1,237)	1,934 (4,263)	1,023 (2,255)	910 (2,007)	1,225 (2,700)	1,361 (3,000)	3,682 (8,117)	1,588 (3,500)
3.6-litre V-6 gas	A8	850RE 8-speed automatic	3.45	548 (1,208)	1,999 (4,406)	1,053 (2,321)	946 (2,085)	1,225 (2,700)	1,361 (3,000)	3,682 (8,117)	1,588 (3,500)
3.0-litre V-6 diesel	A8	8HP75 8-speed automatic	3.73	539 (1,188)	2,149 (4,737)	1,169 (2,578)	979 (2,159)	1,406 (3,100)	1,406 (3,100)	3,822 (8,427)	1,588 (3,500)
2.0-litre I-4 gas	A8	850RE 8-speed automatic	3.45	948 (1,208)	1,999 (4,406)	1,053 (2,321)	946 (2,085)	1,225 (2,700)	1,361 (3,000)	3,682 (8,117)	1,588 (3,500)

GCWR = Base Weight + Maximum Trailer Weight + 68 kg (150 lb.) for driver.

### 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-litre V-6 gas	M6	D478 6-speed manual	4.10	612 (1,351)	2,018 (4,449)	1,061 (2,339)	957 (2,110)	1,406 (3,100)	1,406 (3,100)	3,682 (8,117)	1,588 (3,500)
3.6-litre V-6 gas	A8	850RE 8-speed automatic	4.10	600 (1,322)	2,031 (4,478)	1,074 (2,368)	957 (2,110)	1,406 (3,100)	1,406 (3,100)	3,682 (8,117)	1,588 (3,500)

3.0-litre V-6 diesel	A8	8HP75 8-speed automatic	3.73	559 (1,233)	2,122 (4,682)	1,196 (2,636)	1,010 (2,226)	1,406 (3,100)	1,406 (3,100)	3,822 (8,427)	1,588 (3,500)
2.0-litre I-4 gas	A8	850RE 8-speed automatic	4.10	600 (1,322)	2,031 (4,478)	1,074 (2,368)	957 (2,110)	1,406 (3,100)	1,406 (3,100)	3,682 (8,117)	1,588 (3,500)
GCWR = Base Weight + Maximum Trailer Weight + 68 kg (150 lb.) for driver.											

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