

2020 Subaru Ascent

Specifications

Vehicle type	Three-row, 7- or 8-passenger sport utility vehicle
Engine	4-cylinder, horizontally opposed SUBARU BOXER, aluminum cylinder block and cylinder heads, twin-scroll turbocharger, intercooler
Displacement	2,387 cc / 146 cu. in.
Bore x Stroke	94mm x 86mm (3.70 in. x 3.39 in.)
Compression ratio	10.6:1
Horsepower	260 @ 5,600 rpm
Torque	277 lb.-ft. @ 2,000-4,800 rpm
Fuel system	Direct fuel injection, electronic throttle control
Valvetrain	Double overhead chain-driven camshafts (DOHC), 4 valves per cylinder, Dual Active Valve Control System (DAVCS) controls valve timing on intake camshafts, tumble generator valves
Ignition	Direct
Transmission	Lineartronic® CVT (continuously variable transmission) with Hill Descent Control; selectable 8-speed manual shift mode and steering wheel paddle shift control switches
Transmission ratios	For 8-speed manual control mode
1	3.227
2	2.100
3	1.535
4	1.191
5	0.933
6	0.749
7	0.602
8	0.467
Rev.	3.136
Final drive	4.444
Symmetrical All-Wheel Drive	Standard on all models: Active Torque Split All-Wheel Drive with electronically controlled variable transfer clutch; X-MODE variable transfer clutch lock control
Stability/traction control	Vehicle Dynamics Control with traction control system and rollover sensor; Trailer Stability Assist
Chassis	Unitized body construction, Ring-shaped Frame Reinforcement safety structure
Suspension	4-wheel independent
Front	MacPherson-type struts, lower L-arms, coil springs, stabilizer bar; liquid-filled rubber engine mounts
Rear	Double wishbone, coil springs, stabilizer bar
Brakes	Power-assisted 4-wheel disc with Electronic Brake-force Distribution and 4-channel / 4-sensor ABS with Brake Assist and Brake Override safety systems; Active Torque Vectoring and Auto Vehicle Hold 13.1-in. ventilated front discs and 13.0-in. ventilated rear discs
Steering	Electric Power Assisted rack-and-pinion Ratio: 13.5:1 Turns, lock-to-lock: 2.6 Turning circle: 38.0 ft.
Wheels	Base and Premium: 18-in. x 7.5 J aluminum alloy

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	Limited and Touring (opt. for Premium): 20-in. x 7.5 J aluminum alloy
Tires	Base and Premium: 245/60R18 105H all-season Limited and Touring (opt. for Premium): 245/50R20 102H all-season
Exterior Dimensions	
Wheelbase	113.8 in.
Length	196.8 in.
Width	76.0 in. (85.7 with mirrors and 86.1 with turn signal mirrors)
Height	71.6 in. with roof rails
Min. road clearance	8.7 in.
Angle of approach	17.6 deg.
Angle of departure	21.8 deg.
Ramp breakover angle	18.2 deg.
Track (front/rear)	64.4 in. / 64.2 in.
Curb weight (lb)	4,430 base 4,477 Premium 4,499 Limited 4,603 Touring
Interior Dimensions	
Headroom	Front: 41.3 in. (with moonroof: 40.1 in.) 2 nd row: 40.0 in. (with moonroof: 38.7 in.) 3 rd row: 36.3 (all models)
Legroom	Front: 42.2 in. 2 nd row: 38.6 in. 3 rd row: 31.7 in.
Hip room	Front: 57.7 in. 2 nd row: 57.5 in. 3 rd row: 45.9 in.
Shoulder room	Front: 61.1 in. 2 nd row: 60.3 in. 3 rd row: 57.2 in.
EPA passenger volume	153.5 cu. ft. (with moonroof: 150.0 cu.ft.)
Cargo area height	33.9 in. (with moonroof: 33.6)
Cargo width between wheel housings	45.9 in.
Rear gate opening width	at floor: 47.0 in. Maximum: 47.2 in.
Cargo liftover height	32.0 in.
Floor length	2 nd and 3 rd rows up: 19.9 in. 3 rd row folded: 47.6 in. 2 nd and 3 rd rows folded: 82.5 in.
Cargo volume	2 nd and 3 rd rows up: 17.8 cu.ft. (with moonroof: 17.6 cu.ft.) 3 rd row folded: 47.5 cu.ft. (with moonroof: 47.0 cu.ft.) 2 nd and 3 rd rows folded: 86.5 cu.ft. (with moonroof: 86.0 cu.ft.)
Fuel economy	
city/highway/combined (mpg) *manufacturer's estimated numbers	21/27/23 for 18" wheels 20/26/22 for 20" wheels
Fuel tank capacity	19.3 gal.