

2023 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
Max. turbo boost pressure	14.3 PSI
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	3.490
2	2.497
3	1.788
4	1.381
5	1.065
6	0.830
7	0.653
8	0.506
Rev.	3.394
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; Onyx Edition(s), Limited and Touring have Dual-function X-MODE with selectable Snow/Dirt and Deep Snow/Mud settings
Stability/traction control	Vehicle Dynamics Control with traction control system and rollover sensor; Trailer Stability Assist
Chassis	Subaru Global Platform with unitized body construction, Ring-shaped Reinforcement Frame 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 Onyx Edition(s): 20-in. x 7.5 J aluminum alloy, black finish Limited and Touring: 20-in. x 7.5 J aluminum alloy, dark gray with machine finish
Tires	Base and Premium: 245/60R18 105H all-season Onyx Edition(s), Limited and Touring: 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. including 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) with standard equipment	Base: 4,421 Premium: 4,437 Onyx Edition: 4,533 Onyx Edition Limited: 4,570 Limited: 4,499 Touring: 4,590
Interior Dimensions	
Headroom	Front: 41.2 in. (with moonroof: 40.0 in.) 2 nd row: 40.0 in. (with moonroof: 38.7 in.) 3 rd row: 36.2 (all models)
Legroom	Front: 42.2 in. 2 nd row: 38.6 in. 3 rd row: 31.7 in.
Hip room	Front: 57.8 in. 2 nd row: 57.2 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	153.2 cu. ft. (with moonroof: 150.2 cu.ft.)
Cargo area height	34.0 in. (with moonroof: 33.9 in.)
Cargo width between wheel housings	45.9 in.
Rear gate opening width	At floor: 47.0 in. Maximum: 47.3 in.
Cargo liftover height	32.0 in.
Floor length	2 nd and 3 rd rows up: 20.3 in. 3 rd row folded: 48.0 in. 2 nd and 3 rd rows folded: 82.9 in.
Cargo volume	2 nd and 3 rd rows up: 17.8 cu. ft. (with moonroof: 17.6 cu. ft.) 3 rd row folded: 43.5 cu. ft. (with moonroof: 42.1 cu. ft.) 2 nd and 3 rd rows folded: 75.6 cu. ft. (with moonroof: 72.8 cu. ft.)
Fuel economy	
City/highway/combined EPA mpg	20/26/22 for 18-in. wheels 19/25/21 for 20-in. wheels
Fuel tank capacity	19.3 gal.