

2023 Subaru Forester® Specifications

Vehicle type	5-passenger sport utility vehicle	
Engine	4-cyl. horizontally opposed (BOXER), aluminum cylinder block and cylinder heads	
Displacement	2,498 cc / 152 cu. in.	
Bore x Stroke	94.0mm x 90.0mm / 3.70 in. x 3.54 in.	
Compression ratio	12.0:1	
Horsepower	182 @ 5,800 rpm	
Torque	176 lb.-ft. @ 4,400 rpm	
Fuel system	Direct fuel injection, electronic throttle control	
Fuel requirement	Regular grade, minimum 87 AKI	
Valvetrain	Double overhead chain-driven camshafts (DOHC), 4 valves per cylinder, Dual Active Valve Control System (DAVCS) controls valve timing on intake and exhaust camshafts, tumble generator valves	
Ignition	Direct	
Transmission	Lineartronic® CVT (continuously variable transmission) Sport, Limited and Touring feature driver-selectable 7-speed manual shift mode and steering wheel paddle shift control switches. Wilderness features driver-selectable 8-speed manual shift mode and steering wheel paddle shift control switches.	
Transmission ratios	7-speed manual control mode (Sport, Limited and Touring)	8-speed manual control mode, Wilderness
1	3.601	4.066
2	2.323	2.628
3	1.647	1.911
4	1.241	1.490
5	0.979	1.166
6	0.746	0.914
7	0.556	0.717
8	--	0.559
Rev.	3.689	4.379
Final drive ratio	3.700	4.111
Symmetrical All-Wheel Drive	Active Torque Split All-Wheel Drive with electronically managed continuously variable hydraulic transfer clutch that actively manages the torque split based on acceleration, deceleration and available traction. System continuously powers all four wheels and will transfer torque to the wheels with the best grip. Premium: Driver-selectable X-MODE (single mode) optimizes engine output and CVT ratio position, increases Active All-Wheel drive engagement and uses enhanced control logic for the Vehicle Dynamics Control (VDC) stability system to reduce individual wheel spin; VDC/Traction control integrated into the X-MODE control dial	

	<p>Sport, Limited and Touring have dual-mode X-MODE with Snow/Dirt mode that allows the driver to manually deactivate VDC/ Traction Control and Deep Snow/Mud mode that automatically disengages VDC/Traction Control.</p> <p>Wilderness-exclusive Dual-mode, Dual-function X-MODE features Snow / Dirt mode, Deep Snow/ Mud mode (under 25 mph); Deep Snow / Mud mode (above 25 mph); Low Speed / Low Ratio Gradient Control can automatically detect vehicle travel on steep gradients and shift to a CVT low ratio comprised of a lower transfer gear ratio and lower first ratio.</p> <p>Hill Descent Control standard on all except Base trim</p>
Dynamic controls	<p>Vehicle Dynamics Control (VDC) with electronic traction control (TCS) and rollover sensor</p> <p>Active Torque Vectoring (using brakes)</p>
Chassis	Unitized body construction, Subaru Global Platform
Suspension	<p>4-wheel independent, raised</p> <p>Wilderness features exclusive-spec raised suspension for 9.2-in. road clearance vs. 8.7-in. for other Forester models</p>
Front	MacPherson-type struts, lower L-arms, coil springs, stabilizer bar, hydraulic engine mounts
Rear	Double wishbone, coil springs, stabilizer bar
Brakes	<p>Electronically controlled power-assisted, dual diagonal-wheel disc brake system with Electronic Brake-force Distribution (EBD) and 4-channel / 4-sensor ABS with Brake Assist and Brake Override safety systems; Active Torque Vectoring; Auto Vehicle Hold; Electronic Parking Brake</p> <p>Front brakes, base trim: 11.6-in. ventilated discs</p> <p>Front brakes, all others: 12.4-in. ventilated discs</p> <p>Rear brakes, all: 11.2-in. ventilated rear discs</p>
Steering	<p>Electric Power Assisted rack-and-pinion</p> <p>Ratio: 13.5:1</p> <p>Turns, lock-to-lock: 2.6</p> <p>Turning circle: 35.4 ft.</p>
Wheels	<p>Base: 17 x 7-in. steel with full wheel cover</p> <p>Base (option): 17 x 7-in. aluminum alloy, silver finish</p> <p>Premium: 17 x 7-in. aluminum alloy, black with machine finish</p> <p>Wilderness: 17 x 7-in., matte black finish</p> <p>Sport: 18 x 7-in. aluminum alloy, black finish</p> <p>Limited: 18 x 7-in. aluminum alloy, black with machine finish</p> <p>Touring: 18 x 7-in. aluminum alloy, dark gray with machine finish</p>
Tires	<p>Base and Premium: 225/60R17 99H all-season</p> <p>Sport, Limited and Touring: 225/55R18 98H all season</p> <p>Wilderness: Yokohama Geolander A/T 225/60R17 99T all-terrain raised white letter tires, includes full-size spare</p>
Exterior Dimensions	
Wheelbase	105.1 in. Wilderness: 104.9 in.
Length	182.7 in.
Width	<p>Base, Premium, Sport, Limited and Touring: 71.5 in.</p> <p>Wilderness: 72.2 in.</p> <p>Base and Premium with mirrors: 80.9 in.</p> <p>Sport, Wilderness, Limited and Touring with mirrors: 81.3 in.</p>
Height	Base model: 67.5 in. without roof rails; 68.1 in. with opt. roof rails

	Premium, Sport, Limited and Touring: 68.1 in. (roof rails standard) Wilderness: 68.9 in. (roof rails standard)	
Min. road clearance	8.7 in.	Wilderness: 9.2 in.
Angle of approach	20.0 deg.	Wilderness: 23.5 deg.
Angle of departure	24.6 deg.	Wilderness: 25.4 in.
Ramp breakover angle	19.6 deg.	Wilderness: 21.0 deg
Track (front/rear)	61.6/61.8 in.	Wilderness: 61.4/61.4 in.
Curb weight (lbs.) with standard equipment	Base: 3,454 Premium: 3,528 Sport: 3,538 Wilderness: 3,620 Limited: 3,552 Touring: 3,594	
Interior Dimensions		
Headroom (f/r)	41.2 in. /39.6 in. With moonroof: 40.2 in./37.6 in.	
Legroom (f/r)	43.3 in./39.4 in.	
Hip room (f/r)	54.1 in./53.6 in.	
Shoulder room (f/r)	58.1 in./57.2 in.	
EPA interior volume	111.6 cu. ft. With moonroof: 107.6 cu. ft.	
Cargo volume	Rear seatbacks up: 28.9 cu. ft. With moonroof: 26.9 cu. ft. Rear seatbacks down: 74.2 cu. ft. With moonroof: 69.1 cu. ft.	
Cargo liftover height	28.5 in.	
Cargo area height	34.8 in. With moonroof: 32.4 in.	
Cargo area width between wheel housings	43.3 in.	
Max. load length at floor	Rear seatbacks up: 35.7 in. Rear seatbacks down: 69.9 in.	
Rear gate max opening width	51.2 in. (at lower area: 49.5 in.)	
Rear gate opening height	32.2 in.	
Fuel economy		
EPA-estimated city/highway/combined mpg	26/33/29	Wilderness: 25/28/26
Fuel tank capacity	16.6 gal.	