

2016 Subaru Forester®

Specifications

Engine	2.5i Models		2.0XT Models	
Configuration	4-cylinder, horizontally opposed (Boxer); aluminum cylinder block and heads		4-cylinder, horizontally opposed (Boxer), turbocharged/intercooled, aluminum cylinder block and heads	
Displacement	2,498 cc		1,998 cc	
Bore x Stroke	94.0 mm x 90.0 mm		86 mm x 86 mm	
Compression ratio	10:1		10.6:1	
Horsepower	170 @ 5,800 rpm		250 @ 5,600 rpm*	
Torque lb.-ft.	174 @ 4,100 rpm		258 @ 2,000-4,800 rpm	
Valvetrain	Double overhead chain-driven camshafts (DOHC), four valves per cylinder, chain-driven camshafts, Subaru Active Valve Control System (AVCS) variable valve timing		Double overhead chain-driven camshafts (DOHC), four valves per cylinder, Subaru Dual Active Valve Control System (AVCS) variable valve timing on intake and exhaust valves	
Fuel/Induction	Sequential multi-port fuel injection (MFI); cylinder head-mounted injectors; Electronic Throttle Control (ETC)		Gasoline Direct Injection (GDI), Electronic Throttle Control (ETC), turbocharger with intercooler	
Fuel requirement	Regular, 87 AKI min.		Premium (93 AKI) recommended for maximum performance	
Emission control	PZEV on all North American models.		Tier 2 BIN 5 Low Emission Vehicle (LEV II) standard, 50-state certified	
Drivetrain				
Transmission	6-speed manual standard for 2.5i Lineartronic® continuously variable transmission (CVT) optional or standard for 2.5i and standard for all 2.0XT models; features 6-speed and 8-speed manual modes on 2.0XT.			
M/T AWD System	Continuous All-Wheel Drive with viscous-coupling locking center differential			
A/T AWD System	Active All-Wheel Drive with electronically managed continuously variable hydraulic transfer clutch; high-line models feature X-Mode enhanced control system			
Stability/traction control	Vehicle Dynamics Control with all-wheel, all-speed traction control			
Transmission ratios	2.5i models		2.0XT	
	6-speed manual	CVT Ratio range: 3.581 – 0.570	CVT Ratio range: 3.505 – 0.611 SI-DRIVE paddle shift ratios below, 6-speeds for “I” and “S” modes and 8 speeds for “S Sharp” mode	
	1 3.454		3.505	3.505
	2 1.888		2.238	2.270
	3 1.296		1.641	1.752
	4 0.972		1.194	1.417
	5 0.780		0.880	1.170
	6 0.695		0.611	0.968
	7 --		--	0.785
	8 --		--	0.611
	R 3.636	3.667		2.345
Final drive ratio	4.44	3.70		4.11

Chassis	Unitized body construction, Ring-Shaped Frame Reinforcement safety structure	
Suspension	4-wheel independent; sport-tuned on 2.0XT with higher-rate springs than 2.5i models (10% higher in front, 20% rear), plus special chassis reinforcements	
Front	MacPherson-type struts, lower L-arms, coil springs and stabilizer bar	
Rear	Double wishbone with subframe, coil springs and stabilizer bar	
Brakes	Power-assisted 4-wheel disc with Electronic Brake-force Distribution (EBD) and 4-channel / 4-sensor ABS and Brake Assist	
Front	11.6-inch ventilated discs dual-piston calipers	12.4-inch ventilated discs dual-piston calipers
Rear	10.8-inch solid discs, single-piston calipers	10.9-inch ventilated discs, single-piston calipers
Steering	Rack-and-pinion with electric power assist	
Ratio	15.5:1	
Turns, lock-to-lock	3.1	
Turning circle	34.8 ft.	
Wheels	2.5i: 17 x 7 steel Premium and Limited and optional for base trim: 17 x 7 aluminum alloy 2.5i Touring: 18 x 7 aluminum alloy	18 x 7 aluminum alloy
Tires	225/60 R17 98H M+S all-season 2.5i Touring: 225/55 R18 97H M+S all-season	225/55 R18 97H M+S all-season
Exterior Dimensions (in./mm)		
Wheelbase	103.9 / 2,640	
Length	180.9 / 4,595	
Width	70.7 / 1,795	
Height	With roof rail: 68.2 / 1,735 without roof rail: 66.4 / 1,687	
Track	60.9 / 1,547 61.1 / 1,552	
Ground clearance	8.7 / 220	
Angle of approach	23.0 deg.	
Angle of departure	25.0 deg.	
Ramp breakover angle	21.0 deg.	
Base curb weight	2.5i	2.0XT
	6-speed manual: 3,296 lbs.	
	CVT: 3,366 lbs.	CVT: 3,624 lbs.
Interior Dimensions in.		
Headroom	Front: 41.4	Rear: 39.8
Headroom (w/sunroof)	Front: 40.0	Rear: 37.5
Legroom	Front: 43.0	Rear: 38.0
Hip room (f/r)	Front: 53.9	Rear: 53.0
Shoulder room (f/r)	Front: 57.0	Rear: 56.5
Max. load floor length	Rear seatbacks seatback up: 34.4 Rear seatback down: 61.7	
Cargo area height	34.8 With moonroof: 31.9	
Cargo area liftover height	28.6	
Width between wheelhouses	42.2	

EPA passenger volume	113.1 cu. ft. With sunroof: 107.8 cu. ft.	
Cargo volume	Rear seatbacks up: 34.4 cu. ft. / Rear seatbacks down: 74.7 cu. ft. With moonroof: 31.5 cu. ft. / 68.5 cu. ft.	
Towing capacity	Up to 1,500 lbs.	
EPA estimated fuel economy	2.5i	2.0XT
City/highway/combined	6-sp. manual: 22/29/25 CVT: 24/32/27	CVT: 23/28/25
Fuel capacity	15.9 gal.	

* With 93 AKI premium fuel