

# 2016 Subaru Forester®

## Specifications

Engine	2.5i Models		2.0XT Models	
Configuration	4-cylinder, horizontally opposed (Boxer) aluminum cylinder heads and block		4-cylinder, turbocharged and intercooled, horizontally opposed (Boxer) aluminum cylinder heads and block	
Displacement	2,498 cc		1,998 cc	
Bore x Stroke	94 mm x 90 mm		86 mm x 86 mm	
Compression ratio	10.0:1		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	Chain driven Double Overhead Camshafts (DOHC), four valves per cylinder, Subaru Active Valve Control System (AVCS)		Chain driven Double Overhead Camshafts (DOHC), four valves per cylinder, Subaru Dual Active Valve Control System (DAVCS)	
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	
<b>Drivetrain</b>				
Transmission	6-speed manual standard for 2.5i Lineartronic® CVT (continuously variable transmission) 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 (VDC) 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	2.345	
Final drive ratio	4.444	3.667 3.700	4.111	

<b>Chassis</b>	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 pillow ball joint mount, 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-in. ventilated discs dual-piston calipers	12.4-in. ventilated discs dual-piston calipers
Rear	10.8-in. solid discs, single-piston calipers	10.9-in. ventilated discs, single-piston calipers
Steering	Electric Power Assisted Rack and Pinion Steering (EPAS)	
Ratio	15.5:1	
Turns, lock-to-lock	3.1	
Turning circle	34.8 ft.	
Wheels	2.5i: 17 x 7-in. steel Premium and Limited and optional for base trim: 17 x 7-in. alloy 2.5i Touring: 18 x 7-in. alloy	18 x 7-in. 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
<b>Exterior Dimensions (in./mm)</b>		
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.	
Curb weight (lbs.)	2.5i 6-speed manual: 3,296 lbs. 2.5i CVT: 3,366 2.5i Premium 6-speed: 3,318 2.5i Premium: 3,391 2.5i Limited: 3,419 2.5i Touring: 3,444	2.0XT Premium: 3,624 2.0XT Touring: 3,651
<b>Interior Dimensions in.</b>		
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: 37.1 Rear seatback down: 71.9	
Cargo area height	34.8 With moonroof: 31.9	
Cargo area liftover height	28.6	
Width between wheelhouses	42.2	

EPA passenger volume	108.3 cu-ft With moonroof: 103.3 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.	
<b>EPA estimated fuel economy</b>	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