

2012 Subaru Forester®

Specifications

Engine	2.5X Models	2.5XT 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 (152 cu. in.)	2,457 cc (150 cu. in.)
Bore x Stroke	94.0 mm x 90.0 mm (3.7 x 3.54 in.)	99.5 mm x 79.0 mm (3.92 in. x 3.11 in.)
Compression ratio	10.5:1	8.4:1
Boost pressure	--	12.3 PSI
Horsepower	170 @ 5,800 rpm (PZEV: same)	224 @ 5,200 rpm
Torque lb.-ft.	174 @ 4,100 rpm (PZEV: same)	226 @ 2,800 rpm
Valvetrain	Double overhead camshafts (DOHC), four valves per cylinder, chain-driven camshafts, Subaru Active Valve Control System (AVCS) variable valve timing	Double overhead camshafts (DOHC), four valves per cylinder, belt-driven camshafts, Subaru Active Valve Control System (AVCS) variable valve timing
Fuel/Induction	Sequential multi-port fuel injection (MFI); cylinder head-mounted injectors; Electronic Throttle Control (ETC)	Sequential multi-port fuel injection (MFI), Electronic Throttle Control (ETC), turbocharger with intercooler
Fuel requirement	Regular, 87 AKI min.	Premium: 91 AKI min.
Ignition	Direct	Direct
Firing order	1-3-2-4	
Emission control system	Tier 2 BIN 5 Low Emission Vehicle (LEV II) standard, 50-state certified; PZEV in California, Connecticut, Massachusetts, Maine, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Washington and Vermont – PZEV available nationwide	Tier 2 BIN 5 Low Emission Vehicle (LEV II) standard, 50-state certified.
Alternator rating	12v, 90 amps	12v, 110 amps
Drivetrain		
Transmission	5-speed manual with Incline Start Assist (std. 2.5X and 2.5X Premium) 4-speed electronic direct control automatic with lockup torque converter and manual mode (std. for 2.5X Limited and Touring; standard for all 2.5XT models.	
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	
Stability/traction control	Standard for all: Vehicle Dynamics Control with all-wheel, all-speed traction control	
Transmission ratios	5-speed manual (2.5X models)	4-speed automatic (all)
	1 3.454	2.785
	2 2.062	1.545
	3 1.448	1.000
	4 1.088	0.694
	5 0.780	--
	R 3.333	2.272
Final drive ratio	4.11	4.44 (2.5XT models: 4.11)
Chassis		
Unitized body construction, Ring Shaped Frame Reinforcement safety structure		
Suspension		
Front	MacPherson-type struts, lower L-arms, coil springs and stabilizer bar	
Rear	Double wishbone with subframe	

Brakes	Power-assisted 4-wheel disc with Electronic Brake-force Distribution (EBD) and 4-channel / 4-sensor ABS and Brake Assist	
Front	11.7-inch discs, ventilated, dual-piston calipers	
Rear	11.3-inch discs, single-piston calipers	
Steering	Rack-and-pinion with engine-speed controlled variable power assist	
Ratio	16.5:1	
Turns, lock-to-lock	3.2	
Turning circle	34.4 ft.	
Wheels	2.5X base: 16 x 6.5JJ steel with full wheel covers (16.5 aluminum alloy available) All others: 17 x 7.0 JJ aluminum alloy	
Tires	2.5X base: 215/60 R16 96H Bridgestone Dueler H/T 687 M+S all-season All others: 225/55 R17 95H Yokohama Geolander G95 M+S all-season	
Exterior Dimensions		
Wheelbase	103.0 in.	
Length	179.5 in.	
Width	70.1 in. (79.0 in. w/mirrors)	
Height	2.5X base: 65.9 in. All others: 66.9 in. (includes roof rails)	
Track (front/rear)	60.2 in. / 60.2 in.	
Ground clearance	2.5X models: 8.7 in. 2.5XT models: 8.9 in.	
Angle of approach	24.8 deg.	
Angle of departure	24.8 deg.	
Ramp breakover angle	20.8 deg.	
Curb weight (lbs.)	5-speed manual	4-speed automatic
2.5X	3,250	3,300
2.5X Premium	3,300	3,340
2.5X Limited	—	3,360
2.5X Touring	—	3,360
2.5XT Premium	—	3,450
2.5XT Touring	—	3,460
Interior Dimensions		
Headroom (f/r)	41.6 in. / 40.4 in. With moonroof: 40.0 in. / 37.7 in.	
Legroom (f/r)	43.1 in. / 38.0 in.	
Hip room (f/r)	52.9 in. / 52.7 in.	
Shoulder room (f/r)	56.1 in. / 55.6 in.	
EPA passenger volume	107.6 cu. ft. With moonroof: 102.1 cu. ft.	
Max. load floor length	Rear seatbacks seatback up: 37.5 in. / Rear seatback down: 61.8 in.	
Cargo area height	33.9 in. With moonroof: 31.2 in.	
Cargo area liftover height	27.4 in.	
Width between wheelhouses	42.2 in.	
Cargo volume	Rear seatbacks up: 33.5 cu. ft. / Rear seatbacks down: 68.3 cu. ft. With moonroof: 30.8 cu. ft. / 63.0 cu. ft.	
Towing capacity	Up to 2,400 lb. (200-lb. tongue weight) on a trailer equipped with trailer brakes	
Fuel Economy		
EPA city /highway/combined mpg	2.5X models 5-speed man: 21/27/23 4-speed auto. 21/27/23	2.5XT models 19/24/21
Fuel capacity	16.9 gal.	

