

## 2007 Subaru Forester®

2.5 X • Sports 2.5 X • 2.5 X Premium Package • 2.5 X L.L.Bean Edition

### Specifications

Engine		
Configuration	4-cylinder, horizontally opposed (Boxer); aluminum cylinder block and heads	
Displacement	2,457 cc (150 cu. in.)	
Bore x Stroke	99.5 mm x 79.0 mm (3.92 in. x 3.11 in.)	
Compression ratio	10.0:1	
Horsepower	173 @ 6,000 rpm (PZEV: same)	
Torque lb-ft.	166 @ 4,400 rpm (PZEV: same)	
Valvetrain	Single overhead-cam (SOHC), 4 valves per cylinder, belt-driven camshafts, i-Active Valve Lift System variable valve lift technology	
Fuel/Induction	Sequential multi-port fuel injection (MFI); Electronic Throttle Control (ETC) system	
Fuel requirement	Regular, 87 AKI minimum	
Ignition	Distributorless	
Firing order	1-3-2-4	
Emission control system	Tier 2 BIN 5 Low Emission Vehicle II (LEV II) standard, 50-state certified PZEV in California, Massachusetts, Maine, New York and Vermont	
Alternator rating	12v, 90 amps	
Drivetrain		
Transmission	Std.: 5-speed manual with Hill Holder clutch system and flexible flywheel Opt.: 4-speed electronic direct control automatic with lockup torque converter and adaptive shift control (std. for L.L.Bean)	
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	
Transmission ratios	5-speed manual	4-speed automatic
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 (viscous LSD with Prem. Pkg.)	4.44 (viscous LSD with Prem. Pkg.)
Chassis		
	Unitized body construction, hydroformed front subframe, Ring Frame Reinforced safety structure	
Suspension	4-wheel independent, heavy-duty raised	
Front	MacPherson-type struts with internal rebound springs, lower L-arms, liquid filled L-arm rear bushings, coil springs and stabilizer bar	
Rear	MacPherson-type struts with internal rebound springs and coil springs, trailing arms, twin parallel links and stabilizer bar; L.L.Bean Edition adds self-leveling feature	
Brakes	Power-assisted with Electronic Brake-force Distribution (EBD) and 4-channel / 4-sensor ABS	
Front	11.6 x 0.94-inch discs, ventilated, dual-piston calipers	
Rear	2.5 X base: 9.0 x 1.4-in. drums 2.5 X Prem. Pkg. and all other models: 10.5 x 0.39-inch discs, single-piston calipers	
Steering	Rack-and-pinion with variable gear ratio and engine-speed controlled variable power assist	
Ratio	19.1:1 / 15.2:1	

Turns, lock-to-lock	3.0	
Turning circle	34.8 ft.	
Wheels	2.5 X: 16 x 6.5JJ styled steel 2.5 X Prem. Pkg: 16 x 6.5JJ aluminum alloy, 8-spoke (10-spoke on L.L.Bean)	
Tires	215/60 R16 94H Yokohama Geolander M+S all-season	
Exterior Dimensions		
Coefficient of drag (Cd)	0.36	
Wheelbase	99.4 in.	
Length	176.6 in.	
Width	68.3 in. (77.9 inc. mirrors; Premium Package: 79.0 inc. mirrors)	
Height	62.6 in. inc. roof rails (65.0 in. inc. roof rails and crossbars)	
Track (front/rear)	58.9 in. / 58.5 in.	
Ground clearance	8.1 in.	
Angle of approach	22.3	
Angle of departure	20.7 deg.	
Ramp breakover angle	18.9 deg.	
Curb weight (lb)	5-speed manual	4-speed automatic
2.5 X	3,140	3,185
2.5 X Premium Package	3,150	3,195
L.L.Bean Edition	—	3,205
Interior Dimensions		
Headroom (f/r)	39.8 in. / 39.8 in. With moonroof: 39.1 in. / 37.0 in.	
Legroom (f/r)	43.6 in. / 33.7 in.	
Hip room (f/r)	51.6 in. / 51.6 in.	
Shoulder room (f/r)	53.5 in. / 53.6 in.	
EPA passenger volume	95.4 cu. ft. With moonroof: 91.5 cu. ft.	
Max. load floor length	Rear seatbacks up: 37.8 in. / Rear seatbacks down: 67.6 in.	
Cargo area height	33.7 in. With moonroof: 31.7 in.	
Cargo area liftover height	27.4 in.	
Width between wheelhouses	37.0 in.	
Cargo volume	Rear seatbacks up: 30.7 cu. ft. / Rear seatbacks down: 68.6 cu. ft. With moonroof: 28.9 cu. ft. / 64.5 cu. ft.	
Capacities		
Fuel	15.9 gal.	
Engine oil capacity	4.2 qt. with filter	
Coolant capacity	5-speed manual: 7.3 qt. 4-speed automatic: 7.2 qt.	
Trans. oil capacity	5-speed manual: 3.7 qt. 4-speed automatic: 9.8 qt.	
Towing capacity	2,400 lb. (200-lb. tongue weight)	
Fuel Efficiency	5-speed manual	4-speed automatic
EPA city mpg	22	23
EPA highway mpg	29	28