

OWNER'S MANUAL

Forester

2024

FORESTER

Love. It's what makes Subaru, Subaru.



12-1. Specifications

These specifications are subject to change without notice.

■ Dimensions

		in (mm)	
Item		Forester	Subaru Forester Wilderness
Overall length		182.7 (4,640)	
Overall width		71.5 (1,815)	72.2 (1,835)
Overall height		68.1 (1,730)*2 67.5 (1,715)*3	68.9 (1,750)
Wheel base		105.1 (2,670)	104.9 (2,665)
Tread	Front	61.6 (1,565)	61.4 (1,560)
	Rear	61.8 (1,570)	61.4 (1,560)
Ground clearance*1		8.7 (220)	9.3 (235)

*1: Measured with vehicle empty

*2: Models with roof rails

*3: Models without roof rails

■ Engine

Engine model	FB25 (2.5 L, DOHC, non-turbo)
Engine type	Horizontally opposed, liquid cooled 4 cylinder, 4-stroke direct injection gasoline engine
Displacement cu-in (cc)	152 (2,498)
Bore × Stroke in (mm)	3.70 × 3.54 (94.0 × 90.0)
Compression ratio	12.0 : 1
Firing order	1 – 3 – 2 – 4

■ Fuel

Fuel requirement	Fuel tank capacity
Unleaded gasoline with 87 AKI (90 RON) or higher	16.6 US gal (63 liters, 13.9 Imp gal)

For more details, refer to “Fuel” P303.

■ Engine oil

For the checking, adding and replacing procedure or other details, refer to “Engine oil” P462.

NOTE

The procedure for changing the engine oil and oil filter should be performed by a properly-trained expert. It is recommended that you have this service performed by your SUBARU dealer.

▼ Approved engine oil

Always use the SUBARU approved engine oil. For further details, please contact your SUBARU dealer.



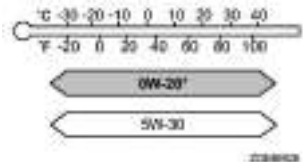
If the approved engine oil is unavailable, use the alternative engine oil described on the next page.

▼ Alternative engine oil

If the SUBARU approved oil is unavailable, the following alternative oil can be used.

NOTE

Each quantity indicated here is only a guideline. The necessary quantity for replacement may differ slightly depending on the temperature and other factors.

Oil grade	SAE viscosity No. and applicable temperature	Engine oil capacity
<div> or </div> <p>API (American Petroleum Institute) classification SN with the words “RESOURCE CONSERVING”, SN PLUS with the words “RESOURCE CONSERVING” or SP with the words “RESOURCE CONSERVING”</p> <p>ILSAC (International Lubricant Specification Advisory Committee) GF-5 or GF-6A, which can be identified with the ILSAC certification mark (Starburst mark)</p>	<p>0W-20 synthetic oil is the required oil for optimum engine performance and protection. Conventional oil may be used if synthetic oil is unavailable.</p> <p>*: If 0W-20 synthetic oil is not available, 5W-30 conventional oil may be used if replenishment is needed but should be changed to 0W-20 synthetic oil at the next oil change.</p> 	<ul style="list-style-type: none">– Adding the oil from low level to full level: 1.1 US qt (1.0 liters, 0.9 Imp qt)– Changing the oil and oil filter: 4.4 US qt (4.2 liters, 3.7 Imp qt)

■ Front differential and rear differential gear oil

Oil	Front differential gear oil	Rear differential gear oil
Oil grade	<ul style="list-style-type: none"> • SUBARU Extra MT*3 • API classification GL-5 (75W-90) 	API classification GL-5 (75W-90)
Oil capacity*1	1.4 US qt (1.3 liters, 1.1 Imp qt)	0.8 US qt (0.8 liters, 0.7 Imp qt)
Remarks*2	"Front differential gear oil and rear differential gear oil" ⒶP469	

*1: The indicated oil quantity is only a guideline. The necessary quantity for replacement may differ slightly depending on the temperature and other factors. After refilling the gearbox with oil, the oil level should be checked.

*2: For more details about maintenance and service, refer to the indicated section.

*3: The vehicle is filled at the factory with this oil.

■ Fluids

Fluid	Fluid type*1	Fluid capacity*2	Remarks*3
Continuously variable transmission fluid	Consult your SUBARU dealer.	Except for Subaru Forester Wilderness models: 11.9 US qt (11.3 liters, 9.9 Imp qt) For Subaru Forester Wilderness models: 12.4 US qt (11.7 liters, 10.3 Imp qt)	"Continuously variable transmission fluid" ⒶP468
Brake fluid	FMVSS No. 116, DOT 3 or DOT 4 brake fluid	—	"Brake fluid" ⒶP469

*1: Use one of the indicated types of fluid.

*2: The indicated fluid quantity is only a guideline. The necessary quantity for replacement may differ slightly depending on the temperature and other factors.

*3: For more details about maintenance and service, refer to the indicated section.

■ Engine coolant

Coolant capacity	Coolant type
9.0 US qt (8.5 liters, 7.5 Imp qt)	SUBARU SUPER COOLANT

The indicated coolant quantity is only a guideline. The necessary quantity for replacement may differ slightly depending on the temperature and other factors. For more details about maintenance and service, refer to "Cooling system" P464.

■ Electrical system

Battery type	Q-85
Alternator	12 V-150 A
Spark plugs	DILKAR7Q8 (NGK)

■ Tires

Item		Forester		Subaru Forester Wilderness
Tire size		225/60R17 99H	225/55R18 98H	225/60R17 99T
Wheel size		17 × 7 J	18 × 7 J	17 × 7 J
Pressure	Front	36 psi (250 kPa, 2.5 kgf/cm ²)	35 psi (240 kPa, 2.4 kgf/cm ²)	33 psi (230 kPa, 2.3 kgf/cm ²)
	Rear	35 psi (240 kPa, 2.4 kgf/cm ²)	33 psi (230 kPa, 2.3 kgf/cm ²)	32 psi (220 kPa, 2.2 kgf/cm ²)
Wheel nut tightening torque		89 lbf·ft (120 N·m, 12 kgf·m)*1		

*1: This torque is equivalent to applying approximately 88 to 110 lbf (40 to 50 kgf) at the end of the wheel nut wrench. If you have tightened the wheel nuts by yourself, have the tightening torque checked at the nearest automotive service facility as soon as possible. For the wheel nut tightening procedure, refer to "Changing a flat tire" P426.

■ Temporary spare tires

Temporary spare tire size	T145/80 D17
Temporary spare tire inflation pressure (recommended cold tire inflation pressure)	60 psi (420 kPa, 4.2 kgf/cm ²)

■ Brake pedal

	in (mm)
Pedal clearance	2.56 (65)*
Pedal free play	0.02 - 0.11 (0.5 - 2.7)

*: Minimum value when pedal is operated with a force of 110 lbf (490 N, 50 kgf)

■ Brake disc

If you need information on the usage limit value of brake discs and the method for measuring them, we recommend that you consult your SUBARU dealer.

■ Brake pad

	in (mm)
Brake pad wear limit	0.06 (1.5)