

Forester

SPECIFICATIONS

1. Forester

A: DIMENSION

Model				2.5 L	
				AWD	
				Non-turbo	Turbo
Overall length				mm (in)	4,485 (176.6)
Overall width				mm (in)	1,735 (68.3)
Total height (at C.W.)				mm (in)	1,590 (62.6)1,585 (62.4)
Compartment	Head-room	Front	mm (in)	1,012 (39.8) 992 (39.0)*1	
		Rear	mm (in)	998 (39.3) 938 (36.9)*1	
	Leg room	Front	mm (in)	1,108 (43.6)	
		Rear	mm (in)	856 (33.7)	
	Shoulder room	Front	mm (in)	1,356 (53.4)	
		Rear	mm (in)	1,361 (53.6)	
Wheelbase				mm (in)	2,525 (99.4)
Tread	Front		mm (in)	1,495 (58.9)	
	Rear		mm (in)	1,485 (58.5)	
Minimum road clearance				mm (in)	205 (8.07)200 (7.87)

*1: Model with sunroof

B: ENGINE

Model			2.5 L Non-turbo	2.5 L Turbo
Engine type			Horizontally opposed, liquid cooled, 4-cylinder, 4-stroke gasoline engine	
Valve system mechanism	Method		SOHC	DOHC
	Number of valves		Intake 2/Exhaust 2	
Bore × stroke			99.5 × 79 (3.92 × 3.11)	
Displacement			2,457 (149.94)	
Compression ratio			10.0±0.2	8.4±0.2
Ignition order			1 — 3 — 2 — 4	
Idling speed [at neutral position on MT, or "P" or "N" position on AT]			MT (U5.C0): 700±100 MT (U6): 650±100 AT: 700±100	700±100
Maximum output			127 (170)/6,000	172 (230)/5,600
Maximum torque			227 (23.1, 167)/4,400	319 (32.5, 235)/3,600

C: ELECTRICAL

Model		2.5 L Non-turbo	2.5 L Turbo
Ignition timing/Idle speed		MT (U5.C0): 10°±8°/700 MT (U6): 10°±8°/650 AT: 15°±8°/700	17°±10°/700
Spark plug		NGK: FR5AP-11	NGK: ILFR6B
Generator		12 V — 90 A	12 V — 110 A
Battery		MT: 12 V — 48 AH (55D23L) AT: 12 V — 52 AH (75D23L)	

D: TRANSMISSION

Model		2.5 L Non-turbo		2.5 L Turbo	
Transmission		5MT	4AT	5MT	4AT
Clutch type		DSPD	TCC	DSPD	TCC
Gear ratio	1st	3.454	2.785	3.454	2.785
	2nd	2.062	1.545	1.947	1.545
	3rd	1.448	1.000	1.366	1.000
	4th	1.088	0.694	0.972	0.694
	5th	0.780	—	0.738	—
	Rev.	3.333	2.272	3.333	2.272
Reduction gear (Front)	First deceleration	Type	—	Helical	—
		Gear ratio	—	1.000	—
	Final deceleration	Type	Hypoid		
		Gear ratio	4.111	4.444	4.111
Reduction gear (Rear)	Transfer reduction	Type	Helical	—	Helical
		Gear ratio	1.000	—	1.000
	Final deceleration	Type	Hypoid		
		Gear ratio	4.111	4.444	4.111

5MT: 5-forward speeds with synchromesh and 1-reverse

4AT: Electronically controlled fully-automatic, 4-forward speeds and 1-reverse

DSPD: Dry Single Plate Diaphragm

TCC: Torque Converter Clutch

E: STEERING

Model		All models
Type		Rack and Pinion, Integral
Turns, lock to lock		3.0
Minimum turning diameter	m (ft)	Curb to curb
		Wall to wall
		10.8 (35.4)
		11.6 (38.1)

F: SUSPENSION

Front	Macpherson strut type independent suspension
Rear	Dual link strut type independent suspension

G: BRAKE

Model	2.5 X, SPORTS Non-turbo	2.5 XS, 2.5 XT, SPORTS turbo, L.L.Bean
Service brake system	Dual circuit hydraulic with vacuum suspension and power unit	
Front	Ventilated disc brake	
Rear	Drum brake	Disc brake
Parking brake	Mechanical on rear brakes	

H: TIRE

Wheel size	16 × 6 ¹ / ₂ JJ, 16 × 6 ¹ / ₂ J	17 × 7JJ
Tire size	P215/60R16 94H	P215/55R17 93H
Type	Steel belted radial, tubeless	

I: CAPACITY

Model			2.5 L Non-turbo		2.5 L Turbo	
Transmission			5MT	4AT	5MT	4AT
Fuel tank ℓ (US gal, Imp gal)			60 (15.9, 13.2)			
Engine oil ℓ (US qt, Imp qt)	Total capacity (Overhaul)		5.0 (5.3, 4.4)			
	Filling amount of engine oil	When replacing engine oil and oil filter	4.2 (4.4, 3.7)			
		When replacing only engine oil	4.0 (4.2, 3.5)			
Transmission oil ℓ (US qt, Imp qt)			3.5 (3.7, 3.1)	—	3.5 (3.7, 3.1)	—
ATF ℓ (US qt, Imp qt)			—	9.3 (9.8, 8.2)	—	9.3 (9.8, 8.2)
Front differential gear oil ℓ (US qt, Imp qt)			—	1.2 (1.3, 1.1)	—	1.2 (1.3, 1.1)
Rear differential gear oil ℓ (US qt, Imp qt)			0.8 (0.8, 0.7)			
Power steering fluid ℓ (US qt, Imp qt)			0.7 (0.7, 0.6)			
Engine coolant ℓ (US qt, Imp qt)			Approx. 6.9 (Approx. 7.3, 6.1)	Approx. 6.8 (Approx. 7.2, 6.0)	Approx. 7.4 (Approx. 7.8, 6.5)	Approx. 7.3 (Approx. 7.7, 6.4)

J: WEIGHT**1. FOR U.S. MODEL**

Option code★ 1			U5ZK		U6ZK		U5YY		U6YY	
Engine type			2.5 L Non-turbo							
Grade			2.5 X				FORESTER SPORTS			
Transmission			5MT	4AT	5MT	4AT	5MT	4AT	5MT	4AT
Vehicle weight (C.W.)	Front axle	kg (lb)	789 (1,740)	810 (1,785)	789 (1,740)	810 (1,785)	789 (1,740)	810 (1,785)	789 (1,740)	810 (1,785)
	Rear axle	kg (lb)	635 (1,400)	635 (1,400)	635 (1,400)	635 (1,400)	635 (1,400)	635 (1,400)	635 (1,400)	635 (1,400)
	Total	kg (lb)	1,424 (3,140)	1,444 (3,185)	1,424 (3,140)	1,444 (3,185)	1,424 (3,140)	1,444 (3,185)	1,424 (3,140)	1,444 (3,185)
Total axle weight (G.A.W.)	Front axle	kg (lb)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)
	Rear axle	kg (lb)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)
Total vehicle weight (G.V.W.)			kg (lb)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)
Option	Aluminum wheel		—		—		—		—	
	Leather seats and leather door trim center decoration		—		—		—		—	
	High grade audio		—		—		—		—	
	Front fog light		○		○		—		—	
	Cruise control		○		○		○		○	
	Leather package base		—		—		—		—	
	Sunroof		—		—		—		—	
	VDC+VTD		—		—		—		—	
	Seat heater		—		—		—		—	
	Fully automatic air conditioner		—		—		○		○	
	Manual air conditioner		○		○		—		—	
	Cold zone package		—		—		—		—	
	Side airbag		○		○		○		○	
	Deicer		—		—		—		—	

★ 1: For option codes, refer to the ID section. <Ref. to ID-4, MODEL NUMBER PLATE, IDENTIFICATION, Identification.>

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Option code★ 1			U5SL		U6SL		U5SM	
Engine type			2.5 L Non-turbo					
Grade			2.5 XS					
Transmission			5MT	4AT	5MT	4AT	5MT	4AT
Vehicle weight (C.W.)	Front axle	kg (lb)	789 (1,740)	810 (1,785)	789 (1,740)	810 (1,785)	785 (1,730)	805 (1,775)
	Rear axle	kg (lb)	639 (1,410)	639 (1,410)	639 (1,410)	639 (1,410)	630 (1,390)	630 (1,390)
	Total	kg (lb)	1,429 (3,150)	1,449 (3,195)	1,429 (3,150)	1,449 (3,195)	1,414 (3,120)	1,435 (3,165)
Total axle weight (G.A.W.)	Front axle	kg (lb)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)
	Rear axle	kg (lb)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)
Total vehicle weight (G.V.W.)		kg (lb)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)
Option	Aluminum wheel		○		○		○	
	Leather seats and leather door trim center decoration		—		—		—	
	High grade audio		—		—		—	
	Front fog light		○		○		○	
	Cruise control		○		○		○	
	Leather package base		○		○		○	
	Sunroof		○		○		—	
	VDC+VTD		—		—		—	
	Seat heater		○		○		○	
	Fully automatic air conditioner		○		○		○	
	Manual air conditioner		—		—		—	
	Cold zone package		○		○		○	
	Side airbag		○		○		○	
	Deicer		○		○		○	

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Option code★ 1		U6SM		U5TL	U6TL
Engine type		2.5 L Non-turbo			
Grade		2.5 XS		L.L.Bean	
Transmission		5MT	4AT	4AT	
Vehicle weight (C.W.)	Front axle kg (lb)	785 (1,730)	805 (1,775)	810 (1,785)	810 (1,785)
	Rear axle kg (lb)	630 (1,390)	630 (1,390)	644 (1,420)	644 (1,420)
	Total kg (lb)	1,414 (3,120)	1,435 (3,165)	1,454 (3,205)	1,454 (3,205)
Total axle weight (G.A.W.)	Front axle kg (lb)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)
	Rear axle kg (lb)	1,000 (2,200)	1,000 (2,200)	998 (2,200)	998 (2,200)
Total vehicle weight (G.V.W.) kg (lb)		1,880 (4,150)	1,880 (4,150)	1,882 (4,150)	1,882 (4,150)
Option	Aluminum wheel	○		○	○
	Leather seats and leather door trim center decoration	—		○	○
	High grade audio	—		—	
	Front fog light	○		○	○
	Cruise control	○		○	○
	Leather package base	○		○	○
	Sunroof	—		○	○
	VDC+VTD	—		—	—
	Seat heater	○		○	○
	Fully automatic air conditioner	○		○	○
	Manual air conditioner	—		—	—
	Cold zone package	○		○	○
	Side airbag	○		○	○
	Deicer	○		○	○

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SPECIFICATIONS

Option code★ 1		U4TL	U4TN	U4GW	U4GU
Engine type		2.5 L Turbo			
Grade		2.5 XT		FORESTER SPORTS	FORESTER SPORTS
Transmission		5MT	4AT	5MT	4AT
Vehicle weight (C.W.)	Front axle kg (lb)	846 (1,865)	871 (1,920)	846 (1,865)	864 (1,905)
	Rear axle kg (lb)	660 (1,455)	660 (1,455)	655 (1,445)	655 (1,445)
	Total kg (lb)	1,506 (3,320)	1,531 (3,375)	1,501 (3,310)	1,519 (3,350)
Total axle weight (G.A.W.)	Front axle kg (lb)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)
	Rear axle kg (lb)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)
Total vehicle weight (G.V.W.) kg (lb)		1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)
Option	Aluminum wheel	○	○	○	○
	Leather seats and leather door trim center decoration	○	○	—	—
	High grade audio	—	—	—	—
	Front fog light	○	○	—	—
	Cruise control	○	○	○	○
	Leather package base	○	○	○	○
	Sunroof	○	○	○	○
	VDC+VTD	—	○	—	○
	Seat heater	○	○	—	—
	Fully automatic air conditioner	○	○	○	○
	Manual air conditioner	—	—	—	—
	Cold zone package	○	○	—	—
	Side airbag	○	○	○	○
	Deicer	○	○	—	—

★ 1: For option codes, refer to the ID section. <Ref. to ID-4, MODEL NUMBER PLATE, IDENTIFICATION, Identification.>

2. FOR CANADA MODEL

Option code★ 1			COZK		COSL		COSM		COTL	
Engine type			2.5 L Non-turbo							
Grade			2.5 X		2.5 XS					
Transmission			5MT	4AT	5MT	4AT	5MT	4AT	5MT	4AT
Vehicle weight (C.W.)	Front axle	kg (lb)	790 (1,742)	810 (1,786)	790 (1,742)	810 (1,786)	785 (1,731)	805 (1,775)	790 (1,742)	810 (1,786)
	Rear axle	kg (lb)	635 (1,400)	635 (1,400)	640 (1,411)	640 (1,411)	630 (1,389)	630 (1,389)	645 (1,422)	645 (1,422)
	Total	kg (lb)	1,425 (3,142)	1,445 (3,186)	1,430 (3,153)	1,450 (3,197)	1,415 (3,120)	1,435 (3,164)	1,435 (3,164)	1,455 (3,208)
Total axle weight (G.A.W.)	Front axle	kg (lb)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)
	Rear axle	kg (lb)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)
Total vehicle weight (G.V.W.)			kg (lb)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)
Option	Aluminum wheel		—		○		○		○	
	Leather seats and leather door trim center decoration		—		—		—		○	
	High grade audio		—		—		—		—	
	Front fog light		○		○		○		○	
	Cruise control		○		○		○		○	
	Leather package base		—		○		○		○	
	Sunroof		—		○		—		○	
	VDC+VTD		—		—		—		—	
	Seat heater		—		○		○		○	
	Fully automatic air conditioner		—		○		○		○	
	Manual air conditioner		○		—		—		—	
	Cold zone package		—		○		○		○	
	Side airbag		○		○		○		○	
	Deicer		—		○		○		○	

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Option code★ 1		COTL		COTN	COHL	COHN
Engine type		2.5 L Turbo				
Grade		2.5 XT			FORESTER SPORTS	
Transmission		5MT	4AT	4AT	5MT	4AT
Vehicle weight (C.W.)	Front axle kg (lb)	845 (1,863)	865 (1,907)	870 (1,918)	845 (1,863)	870 (1,918)
	Rear axle kg (lb)	660 (1,455)	660 (1,455)	660 (1,455)	660 (1,455)	660 (1,455)
	Total kg (lb)	1,505 (3,319)	1,525 (3,363)	1,530 (3,374)	1,505 (3,319)	1,530 (3,374)
Total axle weight (G.A.W.)	Front axle kg (lb)	990 (2,100)	990 (2,100)	990 (2,100)	990 (2,100)	990 (2,100)
	Rear axle kg (lb)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)
Total vehicle weight (G.V.W.) kg (lb)		1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)
Option	Aluminum wheel	○	○	○	○	○
	Leather seats and leather door trim center decoration	○	○	○	○	○
	High grade audio	—	—	—	—	—
	Front fog light	○	○	—	—	—
	Cruise control	○	○	○	○	○
	Leather package base	○	○	○	○	○
	Sunroof	○	○	○	○	○
	VDC+VTD	—	○	—	○	○
	Seat heater	○	○	○	○	○
	Fully automatic air conditioner	○	○	○	○	○
	Manual air conditioner	—	—	—	—	—
	Cold zone package	○	○	○	○	○
	Side airbag	○	○	○	○	○
	Deicer	○	○	○	○	○

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3. OPTION

Option	Front kg (lb)	Rear kg (lb)	Total kg (lb)
Aluminum wheel	−6.6 (−14.6)	−6.6 (−14.6)	−13.2 (−29.1)
Leather seats and leather door trim center decoration	1.2 (2.6)	3.0 (6.6)	4.2 (9.3)
Front fog light	0.7 (1.5)	−0.1 (−0.2)	0.6 (1.3)
Cruise control	1.5 (3.3)	0.2 (0.4)	1.7 (3.7)
Leather package base	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)
Sunroof	3.5 (7.7)	13.2 (29.1)	16.7 (36.8)
VDC+VTD	3.0 (6.6)	1.0 (2.2)	4.0 (8.8)
Seat heater	0.2 (0.4)	0.3 (0.7)	0.5 (1.1)
Fully automatic air conditioner	16.9 (37.3)	−1.4 (−3.1)	15.5 (34.2)
Manual air conditioner	16.9 (37.3)	−1.4 (−3.1)	15.5 (34.2)
Cold zone package	0.1 (0.2)	0.2 (0.4)	0.3 (0.7)
Side airbag	2.0 (4.4)	2.4 (5.3)	4.4 (9.7)
Deicer	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)