

Forester

SPECIFICATIONS

1. Forester

A: DIMENSION

Model				2.5 L	
				AWD	
				Non-turbo	Turbo
Overall length		mm (in)	4,560 (179.5)		
Overall width		mm (in)	1,780 (70.1)		
Total height (at C.W.)			mm (in)	Models without roof rail: 1,675 (65.9)	1,700 (66.9)
				Models with roof rail: 1,700 (66.9)	
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)	2,615 (103.0)	
Tread	Front	mm (in)	1,530 (60.2)		
	Rear	mm (in)	1,530 (60.2)		
Minimum road clearance			mm (in)	220 (8.7)	225 (8.9)

*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	8.4
Ignition order			1 — 3 — 2 — 4	
Idling speed [at neutral position on MT, or “P” or “N” position on AT]			MT: 650 AT: 700	700
Maximum output			126 (170)/6,000	167 (224)/5,200
Maximum torque			229 (23.4, 169) /4,400	307 (31.3, 226) /2,800

C: ELECTRICAL

Model		2.5 L Non-turbo	2.5 L Turbo
Ignition timing/Idle speed		MT: 10°/650 AT: 15°/700	17°/700
Spark plug		NGK: FR5AP-11	NGK: SILFR6A
Generator		12 V — 90 A	12 V — 110 A
Battery		MT: 12 V — 48 AH (55D23L) AT: 12 V — 52 AH (75D23L)	

D: TRANSMISSION**1. MT**

Model			2.5 L Non-turbo
Transmission			5MT
Clutch type			DSPD
Gear ratio		1st	3.454
		2nd	2.062
		3rd	1.448
		4th	1.088
		5th	0.780
		Rev.	3.333
Reduction gear (Front)	Final deceleration	Type	Hypoid
		Gear ratio	4.111
Reduction gear (Rear)	Transfer reduction	Type	Helical
		Gear ratio	1.000
	Final deceleration	Type	Hypoid
		Gear ratio	4.111

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

DSPD: Dry Single Plate Diaphragm

2. AT

Model			2.5 L Non-turbo	2.5 L Turbo
Transmission			4AT	4AT
Clutch type			TCC	TCC
Gear ratio		1st	2.785	2.785
		2nd	1.545	1.545
		3rd	1.000	1.000
		4th	0.694	0.694
		Rev.	2.272	2.272
Reduction gear (Front)	First deceleration	Type	Helical	
		Gear ratio	1.000	1.000
	Final deceleration	Type	Hypoid	
		Gear ratio	4.444	4.111
Reduction gear (Rear)	Final deceleration	Type	Hypoid	
		Gear ratio	4.444	4.111

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

TCC: Torque Converter Clutch

Forester

SPECIFICATIONS

E: STEERING

Type	Rack and Pinion, Integral		
Turns, lock to lock	3.2		
Minimum turning diameter m (ft)	Curb to curb	10.6 (34.8)	
	Wall to wall	11.4 (37.4)	

F: SUSPENSION

Front	Macpherson strut type independent suspension
Rear	Double-wishbone type independent suspension

G: BRAKE

Service brake system	Dual circuit hydraulic with vacuum suspended power unit
Front	Ventilated disc brake
Rear	Disc brake
Parking brake	Mechanical on rear brakes

H: TIRE

Model	2.5X, 2.5XS, 2.5X PLUS	2.5X LTD, 2.5XT, 2.5XT LTD
Wheel size	16 × 6 ¹ / ₂ JJ, 16 × 6 ¹ / ₂ J	17 × 7JJ
Tire size	P215/65R16 96H P225/55R17 95H	P225/55R17 95H
Type	Steel belted radial, tubeless	

I: CAPACITY

Model			2.5 L Non-turbo		2.5 L Turbo
Transmission			5MT	4AT	4AT
Fuel tank			ℓ (US gal, Imp gal)		
ℓ (US qt, Imp qt)			64 (16.9, 14.1)		
Engine oil	Total capacity (at 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)	—
ATF			ℓ (US qt, Imp qt)	—	9.3 (9.8, 8.2)
Front differential gear oil			ℓ (US qt, Imp qt)	—	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)	6.8 (7.2, 6.0)	6.7 (7.1, 5.9) 8.0 (8.5, 7.0)

J: WEIGHT**1. NON-TURBO MODEL**

Option code			LK		YL, YB		3M	IM
Engine type			2.5 L Non-turbo					
Grade			2.5 X		2.5X PLUS		2.5X LTD	
Transmission			5MT	4AT	5MT	4AT	4AT	
Destination code			U5, U6					
Vehicle weight (C.W.)	Front axle	kg (lb)	810 (1,785)	820 (1,810)	820 (1,810)	830 (1,830)	835 (1,840)	835 (1,840)
	Rear axle	kg (lb)	665 (1,465)	675 (1,490)	675 (1,490)	685 (1,510)	690 (1,520)	690 (1,520)
	Total	kg (lb)	1,475 (3,250)	1,495 (3,300)	1,495 (3,300)	1,515 (3,340)	1,525 (3,360)	1,525 (3,360)
Total axle weight (G.A.W.)	Front axle	kg (lb)	1,050 (2,310)	1,050 (2,310)	1,050 (2,310)	1,050 (2,310)	1,050 (2,310)	1,050 (2,310)
	Rear axle	kg (lb)	1,095 (2,410)	1,095 (2,410)	1,095 (2,410)	1,095 (2,410)	1,095 (2,410)	1,095 (2,410)
Total vehicle weight (G.V.W.)		kg (lb)	2,035 (4,480)	2,035 (4,480)	2,035 (4,480)	2,035 (4,480)	2,035 (4,480)	2,035 (4,480)
Option	Sunroof		—	—	○	○	○	○
	Leather and power seat		—	—	—	—	○	○

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

Option code			TA		NB, 5B		UM
Engine type			2.5 L Non-turbo				
Grade			2.5 XS		2.5X PLUS		2.5X LTD
Transmission			5MT	4AT	5MT	4AT	4AT
Destination code			CO				
Vehicle weight (C.W.)	Front axle	kg (lb)	810 (1,785)	820 (1,810)	815 (1,795)	825 (1,820)	835 (1,840)
	Rear axle	kg (lb)	670 (1,465)	680 (1,490)	675 (1,490)	685 (1,510)	690 (1,520)
	Total	kg (lb)	1,480 (3,250)	1,500 (3,300)	1,490 (3,285)	1,510 (3,330)	1,525 (3,360)
Total axle weight (G.A.W.)	Front axle	kg (lb)	1,050 (2,310)	1,050 (2,310)	1,050 (2,310)	1,050 (2,310)	1,050 (2,310)
	Rear axle	kg (lb)	1,095 (2,410)	1,095 (2,410)	1,095 (2,410)	1,095 (2,410)	1,095 (2,410)
Total vehicle weight (G.V.W.)		kg (lb)	2,035 (4,480)	2,035 (4,480)	2,035 (4,480)	2,035 (4,480)	2,035 (4,480)
Option	Sunroof		—	—	○	○	○
	Leather and power seat		—	—	—	—	○

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Forester

SPECIFICATIONS

Option code			TD		NC		3M
Engine type			2.5 L Non-turbo				
Grade			2.5 XS		2.5X PLUS		2.5X LTD
Transmission			5MT	4AT	5MT	4AT	4AT
Destination code			C4				
Vehicle weight (C.W.)	Front axle	kg (lb)	810 (1,785)	820 (1,810)	815 (1,795)	825 (1,820)	835 (1,840)
	Rear axle	kg (lb)	670 (1,475)	680 (1,500)	675 (1,490)	685 (1,510)	690 (1,520)
	Total	kg (lb)	1,480 (3,260)	1,500 (3,310)	1,490 (3,285)	1,510 (3,330)	1,525 (3,360)
Total axle weight (G.A.W.)	Front axle	kg (lb)	1,050 (2,310)	1,050 (2,310)	1,050 (2,310)	1,050 (2,310)	1,050 (2,310)
	Rear axle	kg (lb)	1,095 (2,410)	1,095 (2,410)	1,095 (2,410)	1,095 (2,410)	1,095 (2,410)
Total vehicle weight (G.V.W.)			kg (lb)	2,035 (4,480)	2,035 (4,480)	2,035 (4,480)	2,035 (4,480)
Option	Sunroof		—	—	○	○	○
	Leather and power seat		—	—	—	—	○

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

2. TURBO MODEL

Option code			PL	EM	MM	QM	EM
Engine type			2.5 L Turbo				
Grade			2.5 XT	2.5XT LTD			
Transmission			4AT	4AT			
Destination code			U4			CO	C4
Vehicle weight (C.W.)	Front axle	kg (lb)	855 (1,885)	860 (1,895)	865 (1,905)	865 (1,895)	860 (1,895)
	Rear axle	kg (lb)	705 (1,555)	710 (1,565)	705 (1,555)	705 (1,565)	710 (1,565)
	Total	kg (lb)	1,560 (3,440)	1,570 (3,460)	1,570 (3,460)	1,570 (3,460)	1,570 (3,460)
Total axle weight (G.A.W.)	Front axle	kg (lb)	1,050 (2,310)	1,050 (2,310)	1,050 (2,310)	1,050 (2,310)	1,050 (2,310)
	Rear axle	kg (lb)	1,095 (2,410)	1,095 (2,410)	1,095 (2,410)	1,095 (2,410)	1,095 (2,410)
Total vehicle weight (G.V.W.)		kg (lb)	2,055 (4,525)	2,055 (4,525)	2,055 (4,525)	2,055 (4,525)	2,055 (4,525)
Option	Sunroof		○	○	○	○	○
	Leather and power seat		—	○	○	○	○

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

PRECAUTION

PC

	Page
1. Precaution	2

