

# Forester

## SPECIFICATIONS

### 1. Forester

#### A: DIMENSION

Model		2.5 L non-turbo	2.0 L turbo
Overall length	mm (in)	4,595 (180.9)	
Overall width	mm (in)	1,795 (70.7)	
Overall height	mm (in)	Models without roof rail: 1,685 (66.3) Models with roof rail: 1,735 (68.2)	
Compartment	Length	mm (in)	2,095 (82.5)
	Width	mm (in)	1,540 (60.6)
	Height	mm (in)	Model without sunroof: 1,280 (50.4) Model with sunroof: 1,245 (49.0)
Wheelbase	mm (in)	2,640 (103.9)	
Tread	Front wheel	mm (in)	1,545 (60.9)
	Rear wheel	mm (in)	1,550 (61.1)
Minimum road clearance	mm (in)	220 (8.7)	

#### B: ENGINE

Model		2.5 L non-turbo	2.0 L turbo
Engine type		Horizontally opposed, liquid cooled, 4-cylinder, 4-stroke gasoline engine	
Valve arrangement		Overhead camshaft type	
Bore × stroke	mm (in)	94.0 × 90.0 (3.70 × 3.54)	86.0 × 86.0 (3.39 × 3.39)
Displacement	cm <sup>3</sup> (cu in)	2,498 (152.43)	1,998 (121.92)
Compression ratio		10.0	10.6
Ignition order		1 — 3 — 2 — 4	
Idle speed at parking or neutral position	rpm	MT: 650±100 CVT: 675±100	700±100
Maximum output	hp (PS)/rpm	170 (172)/5,800	250 (253)/5,600
Maximum torque	lb-ft (kgf-m)/rpm	174 (24.0)/4,100	258 (35.7)/2,000 — 4,800

#### C: ELECTRICAL

Model		2.5 L non-turbo	2.0 L turbo
Ignition timing/Idle speed BTDC/rpm		MT: 16°±10°/650 CVT: 16°±10°/675	10°±10°/700
Spark plug	NGK	SILZKAR7B11	ILKAR8H6
Generator		12 V — 130 A	
Battery	Type and capacity (5HR)	12 V — 48 AH (55D23L)	
	CCA	390 A	

**D: TRANSMISSION****1. MT**

Model		2.5 L non-turbo	
Transmission		6MT	
Clutch type		DSPD	
Gear ratio	1st	3.454	
	2nd	1.888	
	3rd	1.296	
	4th	0.972	
	5th	0.780	
	6th	0.695	
	Rev.	3.636	
Reduction gear (front)		Type of gear	Hypoid
		Gear ratio	4.444
Reduction gear (rear)	Transfer reduction	Type of gear	Helical
		Gear ratio	1.000
	Final reduction	Type of gear	Hypoid
		Gear ratio	4.444

6MT: 6-forward speeds and 1-reverse with synchromesh

DSPD: Dry Single Plate Diaphragm

**2. CVT**

Model		2.5 L non-turbo	2.0 L turbo
Transmission type		CVT	
Clutch type		TCC	
Gear ratio	Forward	3.581 — 0.570	3.505 — 0.544
	Reverse	3.667	2.345
Reduction gear (front)	Final reduction	Type of gear	Hypoid
		Gear ratio	3.700
Transfer reduction ratio		1.000	
Reduction gear (rear)	Type of gear	Hypoid	
	Gear ratio	3.700	4.111

TCC: Torque Converter Clutch

CVT: Forward continuously variable speed change, 1-reverse

**E: STEERING**

Type	Rack & pinion type	
	Electric power steering	
Turns, lock to lock	3.1	
Minimum turning radius	m (ft)	5.3 (17.4)

**F: SUSPENSION**

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

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### G: BRAKE

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

### H: TIRE

Rim size	17 × 7J	18 × 7J
Tire size	P225/60R17 98H	P225/55R18 97H
Type	Tubeless, steel belted radial	

### I: CAPACITY

Model		2.5 L non-turbo		2.0 L turbo
Transmission		MT	CVT	CVT
Fuel tank		L (US gal, Imp gal)		
		60 (15.9, 13.2)		
Engine oil	Total capacity (at overhaul)	L (US qt, Imp qt)		
		5.7 (6.0, 5.0)		6.0 (6.3, 5.3)
	Filling amount of engine oil	When replacing engine oil and oil filter		5.1 (5.4, 4.5)
	L (US qt, Imp qt)	When replacing engine oil only		4.9 (5.2, 4.3)
Transmission oil		L (US qt, Imp qt)	3.3 (3.5, 2.9)	—
CVTF		L (US qt, Imp qt)	—	11.93 — 12.43 (12.6 — 13.1, 10.5 — 10.9)
Front differential gear oil		L (US qt, Imp qt)	—	12.11 — 12.61 (12.8 — 13.3, 10.7 — 11.1)
Rear differential gear oil		L (US qt, Imp qt)	—	1.3 — 1.4 (1.4 — 1.5, 1.1 — 1.2)
Engine coolant		L (US qt, Imp qt)	0.8 (0.8, 0.7)	1.3 — 1.5 (1.4 — 1.6, 1.1 — 1.3)
			7.4 (7.8, 6.5)	7.6 (8.0, 6.7)
				8.9 (9.4, 7.8)

**J: WEIGHT**

Non-turbo model

Option code*1		U5		C0		C4	U5		
		XA		YA		HF	WF	LF	
Engine type		2.5 L DOHC non-turbo							
Model		2.5 i		2.5 i Plus		2.5 i Premium			
		AWD							
Transmission		6MT	CVT	6MT	CVT	6MT			
Curb weight (C.W.)	Total	kg (lb)	1,495 (3,296)	1,527 (3,366)	1,498 (3,302)	1,530 (3,373)	1,490 (3,285)	1,490 (3,285)	1,490 (3,285)
	Front	kg (lb)	851 (1,875)	866 (1,915)	852 (1,879)	868 (1,919)	848 (1,869)	848 (1,869)	848 (1,869)
	Rear	kg (lb)	644 (1,421)	661 (1,451)	646 (1,423)	662 (1,454)	642 (1,416)	642 (1,416)	642 (1,416)
Gross vehicle weight (G.V.W.)		kg (lb)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)
Gross axle weight ratio (G.A.W.)	Front	kg (lb)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)
	Rear	kg (lb)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)
Option	Aluminum wheel (17-inch)		—	—	—	—	○	○	○
	Aluminum wheel (18-inch)		—	—	—	—	—	—	—
	HID headlight		—	—	—	—	—	—	—
	Dark colored glass		—	—	○	○	○	○	○
	Sunroof		—	—	—	—	—	—	—
	Auto light		—	—	—	—	○	—	—
	Cold weather package		—	—	—	—	—	—	○
	Leather seats and leather door trim center decoration		—	—	—	—	—	—	—
	Power seat		—	—	—	—	○	○	○
	Navigation system		—	—	—	—	—	—	—
	Harman/kardon audio + high grade audio		—	—	—	—	—	—	—
	Harman/kardon audio + navigation		—	—	—	—	—	—	—
	Without audio		—	—	—	—	—	—	—
	Keyless access with push button start		—	—	—	—	—	—	—
	Power rear gate		—	—	—	—	—	—	—
Side & curtain airbags		○	○	○	○	○	○	○	

\*1: For option codes, refer to the ID section. &lt;Ref. to ID-5, MODEL NUMBER LABEL, IDENTIFICATION, Identification.&gt;

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Option code*1		C0		C4	C5			U5			
		HF	JF	HF	HF	JF	63	IF	TF	TP	
Engine type		2.5 L DOHC non-turbo									
Model		2.5 i Premium									
Transmission		AWD									
		CVT									
Curb weight (C.W.)	Total	kg (lb)	1,523 (3,358)	1,538 (3,391)	1,523 (3,358)	1,523 (3,358)	1,538 (3,391)	1,523 (3,358)	1,538 (3,391)	1,538 (3,391)	1,539 (3,393)
	Front	kg (lb)	864 (1,910)	872 (1,929)	864 (1,910)	864 (1,910)	872 (1,929)	864 (1,910)	872 (1,929)	872 (1,929)	873 (1,931)
	Rear	kg (lb)	659 (1,447)	666 (1,461)	659 (1,447)	659 (1,447)	666 (1,461)	659 (1,447)	666 (1,461)	666 (1,461)	666 (1,462)
Gross vehicle weight (G.V.W.)		kg (lb)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)
Gross axle weight ratio (G.A.W.)	Front	kg (lb)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)
	Rear	kg (lb)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)
Option	Aluminum wheel (17-inch)		○	○	○	○	○	○	○	○	○
	Aluminum wheel (18-inch)		—	—	—	—	—	—	—	—	—
	HID headlight		—	—	—	—	—	—	—	—	—
	Dark colored glass		○	○	○	○	○	○	○	○	○
	Sunroof		—	○	—	—	○	—	○	○	○
	Auto light		○	○	○	○	○	○	—	—	—
	Cold weather package		—	○	—	—	○	—	—	○	○
	Leather seats and leather door trim center decoration		—	—	—	—	—	—	—	—	—
	Power seat		○	○	○	○	○	○	○	○	○
	Navigation system		—	—	—	—	—	—	—	—	○
	Harman/kardon audio + high grade audio		—	—	—	—	—	—	—	—	—
	Harman/kardon audio + navigation		—	—	—	—	—	—	—	—	—
	Without audio		—	—	—	—	—	—	—	—	—
	Keyless access with push button start		—	—	—	—	—	—	—	—	—
	Power rear gate		—	—	—	—	—	—	—	—	—
Side & curtain airbags		○	○	○	○	○	○	○	○	○	

\*1: For option codes, refer to the ID section. <Ref. to ID-5, MODEL NUMBER LABEL, IDENTIFICATION, Identification.>

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## SPECIFICATIONS

Option code*1		C0	C0	C4		U5				
		JB	JB	KG	JG	JM	JZ	JK	JV	
Engine type		2.5 L DOHC non-turbo								
Model		2.5 i Limited								
Transmission		6MT		CVT						
Curb weight (C.W.)	Total	kg (lb)	1,514 (3,338)	1,548 (3,413)	1,547 (3,411)	1,546 (3,408)	1,546 (3,408)	1,551 (3,419)	1,552 (3,422)	1,556 (3,430)
	Front	kg (lb)	861 (1,899)	878 (1,942)	877 (1,941)	877 (1,939)	877 (1,939)	879 (1,946)	880 (1,947)	882 (1,952)
	Rear	kg (lb)	653 (1,439)	670 (1,471)	670 (1,470)	669 (1,469)	669 (1,469)	672 (1,474)	672 (1,475)	674 (1,478)
Gross vehicle weight (G.V.W.)		kg (lb)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)
Gross axle weight ratio (G.A.W.)	Front	kg (lb)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)
	Rear	kg (lb)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)
Option	Aluminum wheel (17-inch)		○	○	○	○	○	○	○	○
	Aluminum wheel (18-inch)		—	—	—	—	—	—	—	—
	HID headlight		—	—	○	—	—	—	—	—
	Dark colored glass		○	○	○	○	○	○	○	○
	Sunroof		○	○	○	○	○	○	○	○
	Auto light		○	○	○	○	○	○	○	○
	Cold weather package		○	○	○	○	○	○	○	○
	Leather seats and leather door trim center decoration		—	—	○	○	○	○	○	○
	Power seat		○	○	○	○	○	○	○	○
	Navigation system		—	—	—	—	—	—	○	—
	Harman/kardon audio + high grade audio		—	—	—	—	—	—	—	—
	Harman/kardon audio + navigation		—	—	—	—	—	—	—	○
	Without audio		—	—	—	—	—	—	—	—
	Keyless access with push button start		—	—	○	○	—	—	—	—
	Power rear gate		○	○	—	—	—	○	○	○
Side & curtain airbags		○	○	○	○	○	○	○	○	

\*1: For option codes, refer to the ID section. <Ref. to ID-5, MODEL NUMBER LABEL, IDENTIFICATION, Identification.>

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## SPECIFICATIONS

Option code*1		C0		C4	U5	C6		C0		U5	
		KU	KV	KS	JV	VE	JI	KU	KV	KR	
Engine type		2.5 L DOHC non-turbo									
Model		2.5 i Touring						2.5 i Touring EyeSight			
		AWD									
Transmission		CVT									
Curb weight (C.W.)	Total	kg (lb)	1,557 (3,433)	1,558 (3,435)	1,553 (3,424)	1,557 (3,433)	1,529 (3,371)	1,545 (3,406)	1,559 (3,437)	1,560 (3,439)	1,560 (3,439)
	Front	kg (lb)	883 (1,953)	883 (1,954)	881 (1,948)	883 (1,953)	867 (1,918)	876 (1,938)	884 (1,956)	885 (1,957)	885 (1,957)
	Rear	kg (lb)	674 (1,479)	675 (1,480)	672 (1,476)	674 (1,479)	662 (1,453)	669 (1,468)	675 (1,481)	675 (1,482)	675 (1,482)
Gross vehicle weight (G.V.W.)		kg (lb)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)	2,032 (4,480)
Gross axle weight ratio (G.A.W.)	Front	kg (lb)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)	1,048 (2,310)
	Rear	kg (lb)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)	1,093 (2,410)
Option	Aluminum wheel (17-inch)		○	○	○	○	○	○	○	○	○
	Aluminum wheel (18-inch)		—	—	—	—	—	—	—	—	—
	HID headlight		○	○	○	—	—	—	○	○	○
	Dark colored glass		○	○	○	○	—	○	○	○	○
	Sunroof		○	○	○	○	—	○	○	○	○
	Auto light		○	○	○	○	—	○	○	○	○
	Cold weather package		○	○	○	○	○	○	○	○	○
	Leather seats and leather door trim center decoration		○	○	○	○	—	○	○	○	○
	Power seat		○	○	○	○	○	○	○	○	○
	Navigation system		—	—	—	—	—	—	—	—	—
	Harman/kardon audio + high grade audio		○	—	—	—	—	—	○	—	—
	Harman/kardon audio + navigation		—	○	—	○	—	—	—	○	○
	Without audio		—	—	—	—	—	○	—	—	—
	Keyless access with push button start		—	—	○	—	○	○	—	—	○
	Power rear gate		○	○	○	○	—	—	○	○	○
Side & curtain airbags		○	○	○	○	○	○	○	○	○	

\*1: For option codes, refer to the ID section. <Ref. to ID-5, MODEL NUMBER LABEL, IDENTIFICATION, Identification.>

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### Turbo model

Option code*1		C0		U4		C0		C4	U4	C0	U4	
		4B	MF	4P	MF	GU	GV	GS	4V	GV	GR	
Engine type		2.0 L DOHC turbo										
Model		2.0 XT Premium				2.0 XT Touring				2.0 XT Touring EyeSight		
		AWD										
Transmission		CVT										
Curb weight (C.W.)	Total	kg (lb)	1,647 (3,631)	1,644 (3,624)	1,643 (3,622)	1,644 (3,624)	1,656 (3,651)	1,657 (3,653)	1,652 (3,642)	1,656 (3,651)	1,668 (3,677)	1,668 (3,677)
	Front	kg (lb)	959 (2,066)	957 (2,062)	956 (2,061)	957 (2,062)	964 (2,077)	964 (2,079)	961 (2,072)	964 (2,077)	971 (2,092)	971 (2,092)
	Rear	kg (lb)	688 (1,565)	687 (1,562)	687 (1,561)	687 (1,562)	692 (1,574)	693 (1,574)	691 (1,570)	692 (1,574)	697 (1,585)	697 (1,585)
Gross vehicle weight (G.V.W.)		kg (lb)	2,110 (4,652)	2,110 (4,652)	2,110 (4,652)	2,110 (4,652)	2,110 (4,652)	2,110 (4,652)	2,110 (4,652)	2,110 (4,652)	2,110 (4,652)	2,110 (4,652)
Gross axle weight ratio (G.A.W.)	Front	kg (lb)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)
	Rear	kg (lb)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)	1,095 (2,414)
Option	Aluminum wheel (17-inch)		—	—	—	—	—	—	—	—	—	—
	Aluminum wheel (18-inch)		○	○	○	○	○	○	○	○	○	○
	HID headlight		—	—	—	—	○	○	○	—	○	○
	Dark colored glass		○	○	○	○	○	○	○	○	○	○
	Sunroof		○	○	○	○	○	○	○	○	○	○
	Auto light		○	○	○	○	○	○	○	○	○	○
	Cold weather package		○	—	○	—	○	○	○	○	○	○
	Leather seats and leather door trim center decoration		—	—	—	—	○	○	○	○	○	○
	Power seat		○	○	○	○	○	○	○	○	○	○
	Navigation system		—	—	○	—	—	—	—	—	—	—
	Harman/kardon audio + high grade audio		—	—	—	—	○	—	—	—	—	—
	Harman/kardon audio + navigation		—	—	—	—	—	○	—	○	○	○
	Without audio		—	—	—	—	—	—	—	—	—	—
	Keyless access with push button start		—	—	—	—	—	—	○	—	—	○
	Power rear gate		○	—	—	—	○	○	○	○	○	○
Side & curtain airbags		○	○	○	○	○	○	○	○	○	○	

\*1: For option codes, refer to the ID section. <Ref. to ID-5, MODEL NUMBER LABEL, IDENTIFICATION, Identification.>





# PRECAUTION

# *PC*



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