

FORESTER

SPECIFICATIONS

1. Forester

A: DIMENSIONS

Model			2.5 L	
			AWD	
			Non-turbo	Turbo
Overall length	mm (in)	4,450 (175.2)		
Overall width	mm (in)	1,735 (68.3)		
Overall 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)	190 (7.5)	195 (7.7)	

*1: With sun roof

B: ENGINE

Model		2.5L Non-turbo	2.5L Turbo
Engine type		Horizontally opposed, liquid cooled, 4-cylinder, 4-stroke gasoline engine	
Valve system	Valve arrangement	SOHC	DOHC
	Valve quantity	Intake2/Exhaust2	
Bore × Stroke	mm (in)	99.5 × 79 (3.92 × 3.11)	
Displacement	cm ³ (cu in)	2,457 (149.94)	
Compression ratio		10.0 ± 0.2	8.2 ± 0.2
Firing order		1 — 3 — 2 — 4	
Idling speed [At neutral position on MT, or "P" or "N" position on AT]	rpm	MT: 650 ± 100 AT: 700 ± 100	700 ± 100
Maximum output	kW (HP)/rpm	123 (165)/5,600	157 (210)/5,600
Maximum torque	N·m (kgf-m, ft-lb)/rpm	226 (23.0, 166) /4,000	319 (32.5, 235) /3,600

C: ELECTRICAL

Model		2.5L Non-turbo	2.5L Turbo
Ignition timing at idling speed	BTDC/rpm	MT: 10° ± 8°/650 AT: 15° ± 8°/700	17° ± 10°/700
Spark plug		CHAMPION: RC10YC4	NGK: PFR6G
		Alternate NGK: BKR6E-11 NGK: BKR5E-11	
Generator		12V — 90A	
Battery		MT: 12V — 48AH (55D23L) AT: 12V — 52AH (75D23L)	

D: TRANSMISSION

Model		2.5L Non-turbo		2.5L Turbo		
Transmission type		5MT	4AT	5MT	4AT	
Clutch type		DSPD	TCC	DSPD	TCC	
Gear ratio	1st	3.454	3.027	3.454	2.785	
	2nd	2.062	1.619	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	—	
	Reverse	3.333	2.272	3.333	2.272	
Reduction gear (Front drive)	1st reduction	Type of gear	—	Helical	—	Helical
		Gear ratio	—	1.000	—	1.000
	Final reduction	Type of gear	Hypoid			
		Gear ratio	4.111	4.444		
Reduction gear (Rear drive)	Transfer reduction	Type of gear	Helical	—	Helical	—
		Gear ratio	1.000	—	1.000	—
	Final reduction	Type of gear	Hypoid			
		Gear ratio	4.111	4.444		

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		2.5L Non-turbo	2.5L Turbo
Type		Rack and Pinion, Integral	
Turns, lock to lock		3.0	
Minimum turning circle	m (ft)	Curb to curb	10.6 (34.8)
		Wall to wall	11.4 (37.4)

F: SUSPENSION

Front	Macpherson strut type, Independent, Coil spring
Rear	Dual-link strut type, Independent, Coil spring

G: BRAKE

Model	2.5 X	2.5 XS, 2.5 XT
Service brake system	Dual circuit hydraulic with vacuum suspended power unit	
Front	Ventilated disc brake	
Rear	Drum brake	Disc brake
Parking brake	Mechanical on rear brakes	

H: TIRE

Rim size	16 × 6 ¹ / ₂ JJ
Tire size	P215/60R16 94H
Type	Steel belted radial, Tubeless

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I: CAPACITY

Model		2.5L Non-turbo		2.5L Turbo	
		5MT	4AT	5MT	4AT
Fuel tank	ℓ (US gal, Imp gal)	60 (15.9, 13.2)			
Engine oil (When replaced)	ℓ (US qt, Imp qt)	Approx. 4.0 (4.2, 3.5)			
Transmission gear 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, 0.6)			
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		U4QW		U4NQ		U4PV		U4PU		
Model		2.5 L Non-turbo								
Grade		2.5 X		2.5 XS						
Transmission		5MT	4AT	5MT	4AT	5MT	4AT	5MT	4AT	
Curb weight (C.W.)	Front	kg (lb)	780 (1,720)	800 (1,765)	780 (1,720)	800 (1,765)	780 (1,720)	800 (1,765)	785 (1,725)	805 (1,770)
	Rear	kg (lb)	620 (1,370)	620 (1,370)	625 (1,375)	625 (1,375)	625 (1,375)	625 (1,375)	635 (1,405)	635 (1,405)
	Total	kg (lb)	1,400 (3,090)	1,420 (3,135)	1,405 (3,095)	1,425 (3,140)	1,405 (3,095)	1,425 (3,140)	1,420 (3,130)	1,440 (3,175)
Gross axle weight (G.A.W.)	Front	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	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)
Gross 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)	1,880 (4,150)
Option	Tough package base		—		○		—		—	
	Aluminium wheel		—		○		○		○	
	Front fog light		○		○		○		○	
	Cruise control		○		○		○		○	
	Sport steering		—		○		—		—	
	Leather package base		—		—		○		○	
	Leather seat, leather door trim		—		—		—		—	
	Air conditioner		○		○		○		○	
	Side air bag		○		○		○		○	
	Sun roof		—		—		—		○	
	Self-levelizer Rr		—		○		—		—	
Cold zone package B		—		○		○		○		

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

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SPECIFICATIONS

Option code★1		U4OU		U4NR		
Model		2.5 L Non-turbo				
		2.5 XS				
		5MT	4AT	5MT	4AT	
Curb weight (C.W.)	Front	kg (lb)	785 (1,730)	805 (1,775)	785 (1,730)	805 (1,775)
	Rear	kg (lb)	640 (1,410)	640 (1,410)	640 (1,415)	640 (1,415)
	Total	kg (lb)	1,425 (3,140)	1,445 (3,185)	1,425 (3,145)	1,445 (3,190)
Gross axle weight (G.A.W.)	Front	kg (lb)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)
	Rear	kg (lb)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)
Gross vehicle weight (G.V.W.)		kg (lb)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)
Option	Tough package base		—		○	
	Aluminium wheel			○		○
	Front fog light			○		○
	Cruise control			○		○
	Sport steering			—		○
	Leather package base			○		—
	Leather seat, leather door trim			○		—
	Air conditioner			○		○
	Side air bag			○		○
	Sun roof			○		○
	Self-levelizer Rr			—		○
	Cold zone package B			○		○

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

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SPECIFICATIONS

Option code★1		U4NQ		U4PV		U4PU		U4OU		U4NR		
Model		2.5 L Turbo										
		2.5 XT										
		5MT	4AT	5MT	4AT	5MT	4AT	5MT	4AT	5MT	4AT	
Curb weight (C.W.)	Front	kg (lb)	825 (1,820)	845 (1,860)	825 (1,820)	845 (1,860)	830 (1,830)	845 (1,865)	830 (1,830)	850 (1,870)	830 (1,830)	850 (1,870)
	Rear	kg (lb)	630 (1,390)	630 (1,395)	630 (1,390)	630 (1,390)	645 (1,420)	645 (1,420)	650 (1,430)	650 (1,430)	650 (1,430)	650 (1,430)
	Total	kg (lb)	1,455 (3,210)	1,475 (3,255)	1,455 (3,210)	1,477 (3,250)	1,475 (3,250)	1,490 (3,285)	1,480 (3,260)	1,500 (3,300)	1,480 (3,260)	1,500 (3,300)
Gross axle weight (G.A.W.)	Front	kg (lb)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)
	Rear	kg (lb)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)
Gross 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)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)
Option	Tough pack- age base		○		—		—		—		○	
	Aluminium wheel		○		○		○		○		○	
	Front fog light		○		○		○		○		○	
	Cruise control		○		○		○		○		○	
	Sport steering		○		—		—		—		○	
	Leather pack- age base		—		○		○		○		—	
	Leather seat, leather door trim		—		—		—		○		—	
	Air conditioner		○		○		○		○		○	
	Side air bag		○		○		○		○		○	
	Sun roof		—		—		○		○		○	
	Self-levelizer Rr		○		—		—		—		○	
	Cold zone package B		○		○		○		○		○	

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

2. FOR CANADA MODEL

Option code★1		COQW		CONQ		COPV		
Model		2.5 L Non-turbo						
		2.5 X		2.5 XS				
		5MT	4AT	5MT	4AT	5MT	4AT	
Curb weight (C.W.)	Front	kg (lb)	780 (1,720)	800 (1,765)	780 (1,720)	800 (1,765)	780 (1,720)	800 (1,765)
	Rear	kg (lb)	620 (1,370)	620 (1,370)	625 (1,375)	625 (1,375)	625 (1,375)	625 (1,375)
	Total	kg (lb)	1,400 (3,090)	1,420 (3,135)	1,405 (3,095)	1,425 (3,140)	1,405 (3,095)	1,425 (3,140)
Gross axle weight (G.A.W.)	Front	kg (lb)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)
	Rear	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)
Gross 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	Tough package base		—		○		—	
	Aluminium wheel		—		○		○	
	Front fog light		○		○		○	
	Cruise control		○		○		○	
	Sport steering		—		○		—	
	Leather package base		—		—		○	
	Leather seat, leather door trim		—		—		—	
	Air conditioner		○		○		○	
	Side air bag		○		○		○	
	Sun roof		—		—		—	
	Self-levelizer Rr		—		○		—	
Cold zone package B		—		○		○		

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

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Option code★1		COPU		CONR		COOU		
Model		2.5 L Non-turbo						
		2.5 XS						
		5MT	4AT	5MT	4AT	5MT	4AT	
Curb weight (C.W.)	Front	kg (lb)	785 (1,725)	805 (1,770)	785 (1,730)	805 (1,775)	785 (1,730)	805 (1,775)
	Rear	kg (lb)	635 (1,405)	635 (1,405)	640 (1,415)	640 (1,415)	640 (1,410)	640 (1,410)
	Total	kg (lb)	1,420 (3,130)	1,440 (3,175)	1,425 (3,145)	1,445 (3,190)	1,425 (3,140)	1,445 (3,185)
Gross axle weight (G.A.W.)	Front	kg (lb)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)
	Rear	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)
Gross 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	Tough package base		—		○		—	
	Aluminium wheel		○		○		○	
	Front fog light		○		○		○	
	Cruise control		○		○		○	
	Sport steering		—		○		—	
	Leather package base		○		—		○	
	Leather seat, leather door trim		—		—		○	
	Air conditioner		○		○		○	
	Side air bag		○		○		○	
	Sun roof		○		○		○	
	Self-levelizer Rr		—		○		—	
	Cold zone package B		○		○		○	

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SPECIFICATIONS

Option code★1		CONQ		COPV		COPU		CONR		COOU		
Model		2.5 L Turbo										
		2.5 XT										
		5MT	4AT	5MT	4AT	5MT	4AT	5MT	4AT	5MT	4AT	
Curb weight (C.W.)	Front	kg (lb)	825 (1,820)	845 (1,860)	825 (1,820)	845 (1,860)	830 (1,830)	845 (1,865)	830 (1,830)	850 (1,875)	830 (1,830)	850 (1,875)
	Rear	kg (lb)	630 (1,390)	630 (1,395)	630 (1,390)	630 (1,390)	640 (1,410)	640 (1,410)	645 (1,420)	645 (1,420)	645 (1,420)	645 (1,420)
	Total	kg (lb)	1,455 (3,210)	1,475 (3,255)	1,455 (3,210)	1,475 (3,250)	1,470 (3,240)	1,485 (3,275)	1,475 (3,250)	1,495 (3,295)	1,475 (3,250)	1,495 (3,295)
Gross axle weight (G.A.W.)	Front	kg (lb)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)
	Rear	kg (lb)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)
Gross 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)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)
Option	Tough package base		○		—		—		○		—	
	Aluminium wheel		○		○		○		○		○	
	Front fog light		○		○		○		○		○	
	Cruise control		○		○		○		○		○	
	Sport steering		○		—		—		○		—	
	Leather package base		—		○		○		—		○	
	Leather seat, leather door trim		—		—		—		—		○	
	Air conditioner		○		○		○		○		○	
	Side air bag		○		○		○		○		○	
	Sun roof		—		—		○		○		○	
	Self-levelizer Rr		○		—		—		○		—	
	Cold zone package B		○		○		○		○		○	

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3. OPTIONAL PARTS

Option	Front	kg (lb)	Rear	kg (lb)	Total	kg (lb)
Tough package base		0.1 (0.2)		0.4 (0.9)		0.5 (1.1)
Aluminium wheel		-6.5 (-14.3)		-6.5 (-14.3)		-13.0 (-28.6)
Front fog light		0.7 (1.5)		-0.1 (-0.2)		0.6 (1.3)
Cruise control		1.5 (3.3)		0.2 (0.5)		1.7 (3.8)
Sport steering		0.2 (0.5)		0.1 (0.2)		0.3 (0.7)
Leather seat, leather door trim		1.2 (2.6)		3.0 (6.6)		4.2 (9.2)
Air conditioner		16.9 (37.3)		-1.4 (-3.1)		15.5 (34.2)
Side air bag		2.0 (4.4)		2.4 (5.3)		4.4 (9.7)
Sun roof		3.5 (7.7)		13.2 (29.1)		16.7 (36.8)
Self-levelizer Rr		0.1 (0.2)		3.0 (6.6)		3.1 (6.8)
Cold zone package B		0.1 (0.2)		0.3 (0.7)		0.4 (0.9)

