

SPECIFICATIONS



	Page
1. Forester	2

FORESTER

Specifications

1. Forester SA08758

A: DIMENSIONS SA08758G28

Model			2.0 L Non-TURBO	2.0 L TURBO
Overall length			mm (in)	4,460 (175.6), 4,530 (178.3)*1
Overall width			mm (in)	1,735 (68.3), 1,765 (69.5)*2
Overall height (at CW)			mm (in)	1,595 (62.8) 1,585 (62.4)
Compartment	Length	mm (in)	1,745 (68.7)	
	Width	mm (in)	1,435 (56.5)	
	Height	mm (in)	1,245 (49.0), 1,220 (48.0)*3	
Wheelbase			mm (in)	2,525 (99.4)
Tread	Front	mm (in)	1,475 (58.1)	
	Rear	mm (in)	1,465 (57.7)	
Minimum road clearance			mm (in)	190 (7.5), 200 (7.9)*4

*1: With bushing bar

*2: With fender flare

*3: With sunroof

*4: Australia spec. vehicles

B: ENGINE SA08758G29

Model			2.0 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)	92 × 75 (3.62 × 2.95)
Displacement			cm ³ (cu in)	1,994 (121.67)
Compression ratio			10.0	8.0
Firing order			1 — 3 — 2 — 4	
Idle speed at Park/ Neutral position			rpm	700±100
			MT: 650±100*1 AT: 675±100*1	
Maximum output			kW (HP)/rpm	92 (123)/5,600 130 (174)/5,600
Maximum torque			N·m (kgf-m, ft-lb)/rpm	184 (18.8, 136)/3,600 245 (25, 181)/3,200 240 (24.5, 177)/3,200*2

*1: Without OBD

*2: Australia spec. vehicle

C: ELECTRICAL SA08758G30

Model			2.0 L Non-TURBO	2.0 L TURBO	
Ignition timing at idling speed			BTDC/rpm	10°±10°/700 MT: 10°±10°/650*1 AT: 10°±10°/675*1	12°±10°/700
Spark plug	Type and manufacturer		CHAMPION: RC10YC4 (with catalyst) NGK: BKR6E (without catalyst) NGK: BKR5E-11 (with catalyst)		NGK: PFR6G
Generator			12 V — 75 A		
Battery	Type and capacity (5HR)	For Europe	5MT: 12 V — 48AH 4AT: 12 V — 52AH		
		For Australia	12 V — 40AH		
		Others	12 V — 40AH		

*1: Without OBD

FORESTER

Specifications

D: TRANSMISSION SA08758G31

Model			2.0 L Non-TURBO		2.0 L TURBO	
			AWD			
Transmission type			5MT*1	4AT*2	5MT*3	4AT*2
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		0.871	—	0.738	—
	Reverse		3.333	2.272	3.333	2.272
Auxiliary transmission gear ratio		High	1.000	—	—	—
		Low	1.447	—	—	—
Reduction gear (Front drive)	1st reduction	Type of gear	—	Helical	—	Helical
		Gear ratio	—	1.000	—	1.000
	Final reduction	Type of gear	Hypoid	Hypoid	Hypoid	Hypoid
		Gear ratio	4.111	4.444	4.444	4.111
Reduction gear (Rear drive)	Transfer reduction	Type of gear	Hypoid	—	Hypoid	—
		Gear ratio	1.000	—	1.081*4, 1.000*5	—
	Final reduction	Type of gear	Hypoid	Hypoid	Hypoid	Hypoid
		Gear ratio	4.111	4.444	4.111*4, 4.444*5	4.111

5MT*1: 5 × 2 forward speeds with synchromesh and 1-reverse — with center differential and viscous coupling

4AT*2: Electronically controlled fully-automatic, 4-forward speeds and 1-reverse — with hydraulically controlled transfer clutch

5MT*3: 5-forward speeds with synchromesh and 1-reverse — with center differential and viscous coupling

DSPD: Dry Single Plate Diaphragm

TCC: Torque Converter Clutch

*4: For Europe

*5: Others

E: STEERING SA08758G32

Model		LHD	RHD
Type		Rack and Pinion	
Turns, lock to lock		3.4	3.0
Minimum turning circle	m (ft)	Curb to curb: 10.8 (35.4)	

F: SUSPENSION SA08758G33

Front	MacPherson strut type, Independent, Coil spring
Rear	Dual link strut type, Independent, Coil spring

FORESTER

Specifications

G: BRAKE SA08758G34

Model	Australia spec. vehicles and 2000 TURBO	Others
Service brake system	Dual circuit hydraulic with vacuum suspended power unit	
Front	Ventilated disc brake	
Rear	Disc brake	Drum brake
Parking brake	Mechanical on rear brakes	

H: TIRE SA08758G35

Rim size	15 × 6J	16 × 6 ¹ / ₂ JJ
Tire size	205/70R15	215/60R16
Type	Steel belted radial, Tubeless	

I: CAPACITY SA08758G36

Model			2.0 L Non-TURBO		2.0 L TURBO	
			AWD		AWD	
			5MT	4AT	5MT	4AT
Fuel tank	ℓ (US gal, Imp gal)		60 (15.9, 13.2)		60 (15.9, 13.2)	
Engine oil	Upper level	ℓ (US qt, Imp qt)	4.5 (4.8, 4.0)		5.0 (5.3, 4.4)	
	Lower level	ℓ (US qt, Imp qt)	3.5 (3.7, 3.1)		4.0 (4.2, 3.5)	
Transmission gear oil	ℓ (US qt, Imp qt)		4.0 (4.2, 3.5)	—	3.5 (3.7, 3.1)	—
Automatic transmission fluid	ℓ (US qt, Imp qt)		—	8.4 (8.9, 7.4)	—	9.3 (9.8, 8.2)
AT differential gear oil	ℓ (US qt, Imp qt)		—	1.2 (1.3, 1.1)	—	1.2 (1.3, 1.1)
AWD rear differential gear oil	ℓ (US qt, Imp qt)		0.8 (0.8, 0.7)		0.8 (0.8, 0.7)	
Power steering fluid	ℓ (US qt, Imp qt)		0.7 (0.7, 0.6)		0.7 (0.7, 0.6)	
Engine coolant	ℓ (US qt, Imp qt)		6.4 (6.8, 5.6)	6.3 (6.7, 5.5)	7.2 (7.6, 6.3)	7.2 (7.6, 6.3)

J: WEIGHT SA08758G37

1. EXCEPT AUSTRALIA SPEC. VEHICLE SA08758G3706

Model			2.0 L Non-TURBO			
			AWD			
			LHD		RHD	
			5MT	4AT	5MT	4AT
Curb weight (CW)	Front	kg (lb)	730 (1,610)	745 (1,643)	745 (1,643)	760 (1,676)
	Rear	kg (lb)	615 (1,356)	615 (1,356)	620 (1,367)	620 (1,367)
	Total	kg (lb)	1,345 (2,966)	1,360 (2,999)	1,365 (3,010)	1,380 (3,043)
Maximum permissible axle weight (MPAW)	Front	kg (lb)	920 (2,029)	930 (2,051)	920 (2,029)	930 (2,051)
	Rear	kg (lb)	990 (2,183)	990 (2,183)	990 (2,183)	990 (2,183)
Maximum permissible weight (MPW)	Total	kg (lb)	1,875 (4,134)	1,890 (4,163)	1,875 (4,134)	1,890 (4,167)

Model			2.0 L TURBO			
			AWD			
			LHD		RHD	
			5MT	4AT	5MT	4AT
Curb weight (CW)	Front	kg (lb)	795 (1,753)	815 (1,797)	790 (1,742)	810 (1,786)
	Rear	kg (lb)	635 (1,400)	630 (1,389)	630 (1,389)	630 (1,389)
	Total	kg (lb)	1,430 (3,153)	1,445 (3,186)	1,420 (3,131)	1,440 (3,175)
Maximum permissible axle weight (MPAW)	Front	kg (lb)	975 (2,150)	995 (2,195)	975 (2,150)	995 (2,195)
	Rear	kg (lb)	1,010 (2,225)	1,010 (2,225)	1,010 (2,225)	1,010 (2,225)
Maximum permissible weight (MPW)	Total	kg (lb)	1,950 (4,300)	1,970 (4,344)	1,950 (4,300)	1,970 (4,344)

NOTE:

When any of the following optional parts are installed, add the weight to the curb weight.

Weight of optional parts	ABS (Turbo model)	ABS (Non-Turbo model)	Cruise control	Self-levelizer	Fog lamp	Air conditioner	Sunroof	SRS airbag (Driver & Passenger)	SRS airbag (Side)	Cold weather pack	Cold weather pack (Leather seat)
Front kg (lb)	10 (22)	11 (24)	2 (4)	-1 (-2)	3.6 (7.9)	17 (38)	9 (20)	3 (7)	2 (4.4)	2 (4)	2.6 (5.7)
Rear kg (lb)	-1 (-2)	-1 (-2)	0 (0)	2 (4)	-1 (-2)	-3 (-7)	14 (31)	2 (4)	2 (4.4)	-1 (-2)	4.4 (9.7)
Total kg (lb)	9 (20)	10 (22)	2 (4)	1 (2)	2.6 (5.7)	14 (31)	23 (51)	5 (11)	4 (8.8)	1 (2)	7.0 (15.4)

FORESTER

Specifications

2. AUSTRALIA SPEC. VEHICLE SA08758G3704

Model			2.0 L Non-TURBO		2.0 L TURBO	
			AWD		AWD	
			RHD		RHD	
			5MT	4AT	5MT	4AT
Unladen mass (UM)	Front	kg (lb)	740 (1,632)	755 (1,665)	810 (1,786)	835 (1,841)
	Rear	kg (lb)	625 (1,378)	625 (1,378)	630 (1,389)	625 (1,378)
	Total	kg (lb)	1,365 (3,010)	1,380 (3,043)	1,440 (3,175)	1,460 (3,219)
Gross vehicle mass (GVM)	Front	kg (lb)	885 (1,951)	910 (2,007)	960 (2,117)	980 (2,161)
	Rear	kg (lb)	990 (2,183)	980 (2,161)	990 (2,183)	990 (2,183)
	Total	kg (lb)	1,875 (4,134)	1,890 (4,167)	1,950 (4,300)	1,970 (4,344)

NOTE:

When any of the following optional parts are installed, add the weight to the unladen mass.

Weight of optional parts	ABS	Cruise control	Self-levelizer	Fog lamp	Air conditioner	Sunroof	SRS airbag (Driver & Passenger)	SRS airbag (Side)	Cold weather pack
Front kg (lb)	10 (22)	2 (4)	-1 (-2)	3.6 (7.9)	17 (38)	9 (20)	3 (7)	2 (4.4)	2.6 (5.7)
Rear kg (lb)	-1 (-2)	0 (0)	2 (4)	-1 (-2)	-3 (-7)	14 (31)	2 (4)	2 (4.4)	4.4 (9.7)
Total kg (lb)	9 (20)	2 (4)	1 (2)	2.6 (5.7)	14 (31)	23 (51)	5 (11)	4 (8.8)	7.0 (15.4)