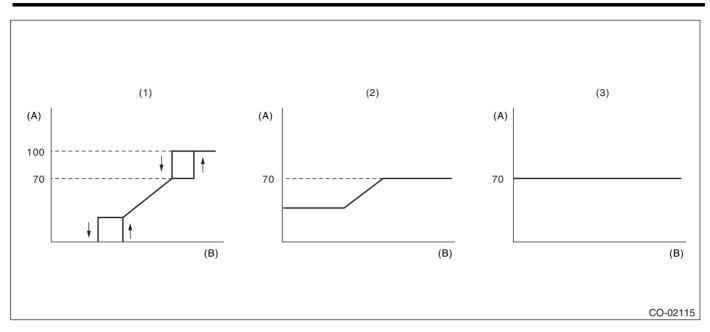
1. General Description

A: SPECIFICATION

Cooling s	ystem		Electric fan + Forced engine coolant circulation system	
Total engine coolant capacity ℓ (US qt, Imp qt)			Approx. 7.2 (7.6, 6.3)	
	Туре		Centrifugal impeller type	
Water pump	Discharge perfor- mance I	Discharge rate	320 (84.5, 70.4)	
		Pump speed — Discharge pressure	5,500 rpm — 176.5 kPa (18 mAq)	
		Engine coolant temperature	80°C (176°F)	
	Impeller diameter mm (in)		73.2 (2.88)	
	Number of impeller va	ines	6	
	Number of pump spro	cket teeth	22	
	Туре		Wax pellet type	
Thermo-	Starting temperature t	o open	80 — 84°C (176 — 183°F)	
	Fully opens		95°C (203°F)	
Stat	Valve lift	mm (in	9.0 (0.354) or more	
	Valve bore	mm (in	35 (1.38)	
Radia- tor fan	Motor input	Main fan V	160	
		Sub fan V	160	
	Fan diameter / Blade	Main fan	320 mm (12.60 in)/5	
	ran diameter / blade	Sub fan	320 mm (12.6 in)/7	
	Туре		Down flow, pressure type	
	Core dimensions	Width × Height × Thickness mm (in	690 × 349 × 16 (27.17 × 13.74 × 0.63)	
Radiator	Pressure range in which cap valve is kPa (kg/cm², psi) open		Below: The atmospheric pressure or less	
Reser- voir tank	Fins Capacity	ℓ (US qt, Imp qt	Corrugated fin type 0.45 (0.48, 0.40)	

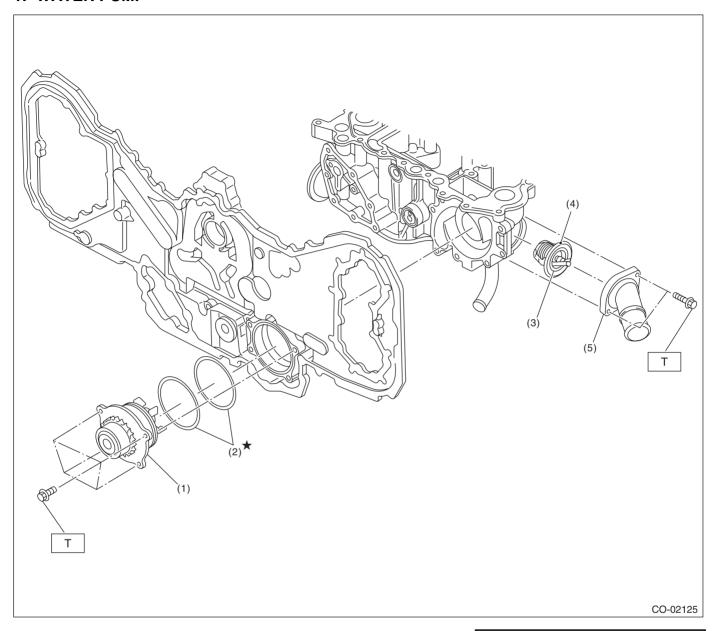
	A/C middle pressure switch	Engine coolant temperature		
A/C compressor		Increase: less than 95°C (203°F) Decrease: less than	Increase: 95 — 101°C (203 — 214°F) Decrease: 93 — 99°C	Increase: More than 102°C (216°F) Decrease: More than
		93°C (199°F)	(199 — 210°F)	100°C (212°F)
OFF		0%	Refer to fig. (1)	100%
ON	OFF	Refer to fig. (2)		100%
JIN	ON	Refer to fig. (3)		100%



- (1) A/C OFF control
- (2) A/C ON control (A/C middle pressure switch OFF)
- (3) A/C ON control (A/C middle pressure switch ON)
- (A) Fan speed (%)
- (B) Coolant temperature

B: COMPONENT

1. WATER PUMP



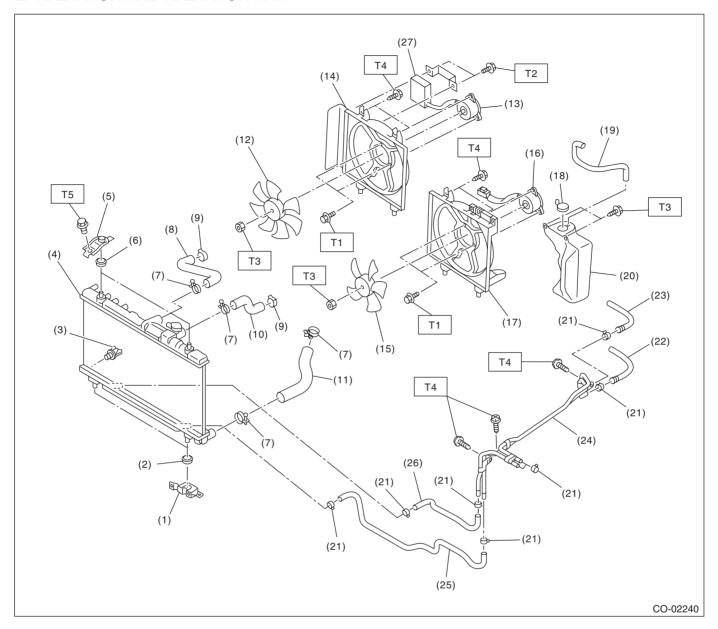
- (1) Water pump ASSY
- (2) O-ring
- (3) Thermostat

- (4) Gasket
- (5) Thermostat cover

Tightening torque: N·m (kgf-m, ft-lb)

T: 6.4 (0.65, 4.7)

2. RADIATOR AND RADIATOR FAN



- (1) Radiator lower bracket
- (2) Radiator lower cushion
- (3) Engine coolant drain cock
- (4) Radiator
- (5) Radiator upper bracket
- (6) Radiator upper cushion
- (7) Clamp
- (8) Radiator hose A
- (9) Clamp
- (10) Radiator hose B
- (11) Radiator hose B
- (12) Radiator sub fan

- (13) Radiator sub fan motor
- (14) Radiator sub fan shroud
- (15) Radiator main fan
- (16) Radiator main fan motor
- (17) Radiator main fan shroud
- (18) Engine coolant reservoir tank cap
- (19) Over flow hose
- (20) Engine coolant reservoir tank
- (21) ATF hose clamp
- (22) ATF hose A
- (23) ATF hose B

- (24) ATF pipe
- (25) ATF hose C
- (26) ATF hose D
- (27) Radiator fan control unit

Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 3.8 (0.39, 2.8)

T2: 5.4 (0.55, 4.0)

T3: 6.2 (0.63, 4.6)

T4: 7.5 (0.76, 5.5)

T5: 12 (1.2, 8.9)

C: CAUTION

- Wear appropriate work clothing, including a cap, protective goggles and protective shoes when performing any work.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust and dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly and replacement.
- Vehicle components are extremely hot after driving. Be wary of receiving burns from heated parts.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or rigid racks at the specified points.
- Before disconnecting connectors of sensors or units, be sure to disconnect the ground cable from battery.

D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	499977100	CRANK PULLEY WRENCH	Used for stopping rotation of crank pulley when loosening and tightening crank pulley bolts.
ST-499977100			
	499977500	CAM SPROCKET WRENCH	Used for removing and installing intake cam sprocket.
ST-499977500			
	18231AA020	CAM SPROCKET WRENCH	Used for removing and installing the exhaust cam sprocket.
0			
U>0			
ST18231AA020			

2. GENERAL TOOL

TOOL NAME	REMARKS	
Radiator cap tester	Used for measuring pressure.	