GENERAL DESCRIPTION

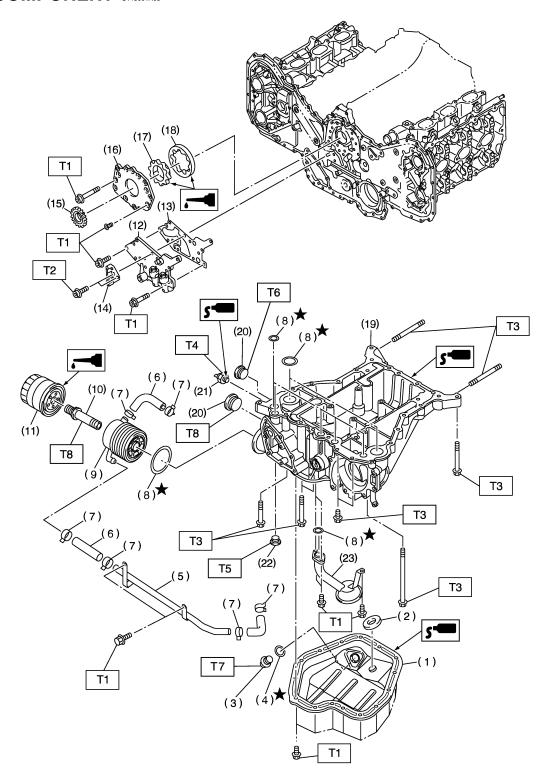
1. General Description s148001

A: SPECIFICATIONS S148001E49

Lubrication me	ethod	Forced lubrication		
Oil pump	Pump type			Trochoid type
	Number of teeth	Inner rotor		9
		Outer rotor		10
	Outer rotor diameter × thickness			78 × 11 mm (3.07 × 0.43 in)
	Tip clearance between inner and outer rotors		STANDARD	0.04 — 0.14 mm (0.0016 — 0.0055 in)
			LIMIT	0.20 mm (0.0079 in)
	Side clearance between inner rotor and pump case		STANDARD	0.02 — 0.08 mm (0.0008 — 0.0031 in)
			LIMIT	0.15 mm (0.0059 in)
	Case clearance between outer rotor and pump case		STANDARD	0.11 — 0.18 mm (0.0043 — 0.0071 in)
			LIMIT	0.25 mm (0.0098 in)
	Туре			Full-flow filter type
Oil filter	Filtration area			1,300 cm ² (201.5 sq in)
	By-pass valve opening pressure			160 kPa (1.63 kg/cm², 23 psi)
	Outer diameter × width			80×75 mm (3.15 \times 2.95 in)
	Oil filter to engine thread size			M 20 × 1.5
Relief valve operation pressure			588 kPa (6 kg/cm ² , 185 psi)	
Oil pressure switch	Туре			Immersed contact point type
	Working voltage — wattage			12 V — 3.4 W or less
	Warning light activation pressure			15 kPa (0.153 kg/cm ² , 2.2 psi)
	Proof pressure			More than 980 kPa (9.993 kg/cm ² , 142 psi)
Oil capacity	Total capacity			6.8 ℓ (7.2 US qt, 6.0 Imp qt)
	Engine oil amount for refill			5.8 \((6.1 US qt, 5.1 Imp qt)

MEMO:

B: COMPONENT S148001A05



B2M4533B

(5) (6) (7) (8)	Oil pan lower Magnet Drain plug Gasket Oil cooler pipe Hose Clamp O-ring Oil cooler	 (13) Relief valve case gasket (14) Chain guide (center) (15) Crank sprocket (16) Oil pump cover (17) Inner rotor (18) Outer rotor (19) Oil pan upper (20) Plug (21) Oil pressure switch 	Tightening torque: N·m (kgf-m, ft-lb) T1: 6.4 (0.65, 4.7) T2: 7.8 (0.80, 5.8) T3: 18 (1.8, 13) T4: 25 (2.5, 18) T5: 34 (3.5, 25) T6: 37 (3.8, 27) T7: 44 (4.5, 33)
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(10)	Connector	(22) Plug	T8: 54 (5.5. 40)

(23) Oil strainer

(11) Oil filter

(12) Relief valve case

GENERAL DESCRIPTION

C: CAUTION S148001A03

- Wear working clothing, including a cap, protective goggles, and protective shoes during operation
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust or dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly, and replacement.

- Be careful not to burn your hands, because each part in the vehicle is hot after running.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or safety stands at the specified points.
- Before disconnecting electrical connectors of sensors or units, be sure to disconnect ground cable from battery.

D: PREPARATION TOOL S148001A17

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
B2M3870	499977100	CRANK PULLEY WRENCH	Used for stopping rotation of crankshaft pulley when loosening and tightening crankshaft pulley bolt.
B2M3870	498547000	OIL FILTER	Used for removing and installing oil filter.
B2M3872	1000-17000	WRENCH	cood for romoving and installing on milet.

MEMO: