1. General Description
A: SPECIFICATIONS

Model		
Fuel tank	Capacity	64 ℓ (16.9 US gal, 14.1 Imp gal)
	Location	Under rear seat
Fuel pump	Type	Impeller
	Shutoff discharge pressure	370 — 677 kPa (3.77 — 6.9 kg/cm^2, 53.6 — 98 psi)
	Discharge flow	More than 85 ℓ (22.5 US gal, 18.7 Imp gal)/h [12 V at 300 kPa (3.06 kg/cm^2, 43.5 psi)]
Fuel filter		Cartridge type

MEMO:

B: COMPONENT

1. INTAKE MANIFOLD
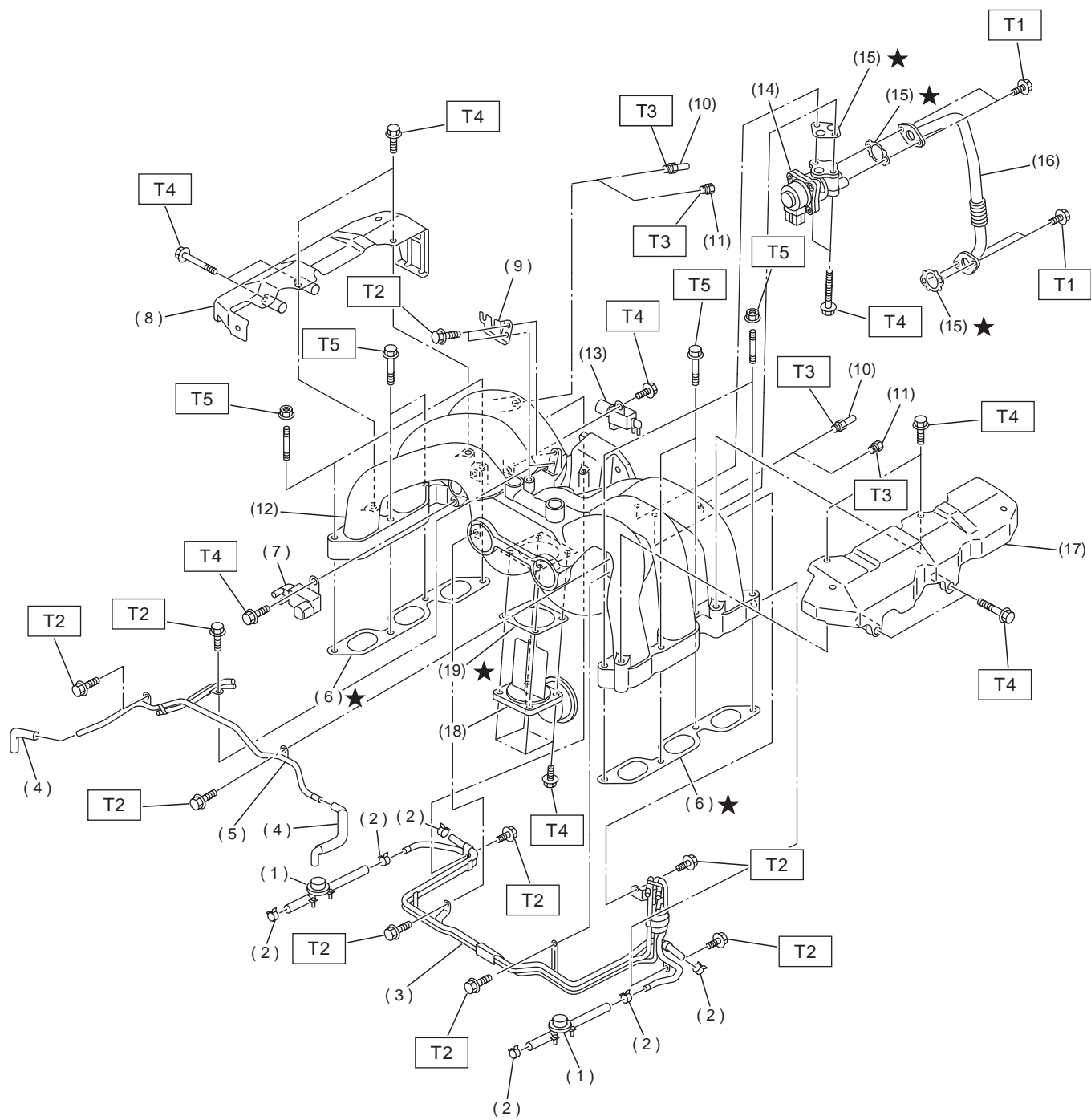
FU-00531

FU(H6DO)-4

GENERAL DESCRIPTION

(1) Fuel damper valve

(2) Clamp

(3) Fuel pipe ASSY

(4) Air assist hose

(5) Air assist and purge pipe ASSY

(6) Gasket

(7) Purge control solenoid valve

(8) Fuel pipe protector RH

(9) Accelerator cable bracket

(10) Nipple

(11) Plug

(12) Intake manifold

(13) Induction valve control solenoid

(14) EGR valve

(15) Gasket

(16) EGR pipe

(17) Fuel pipe protector LH

(18) Induction valve

(19) Gasket

Tightening torque: N·m (kgf-m, ft-lb)

T1: 6.4 (0.65, 4.7)

T2: 5.0 (0.51, 3.7)

T3: 17 (1.7, 12)

T4: 19 (1.9, 14)

T5: 25 (2.5, 18)

2. FUEL INJECTOR

FU-00532
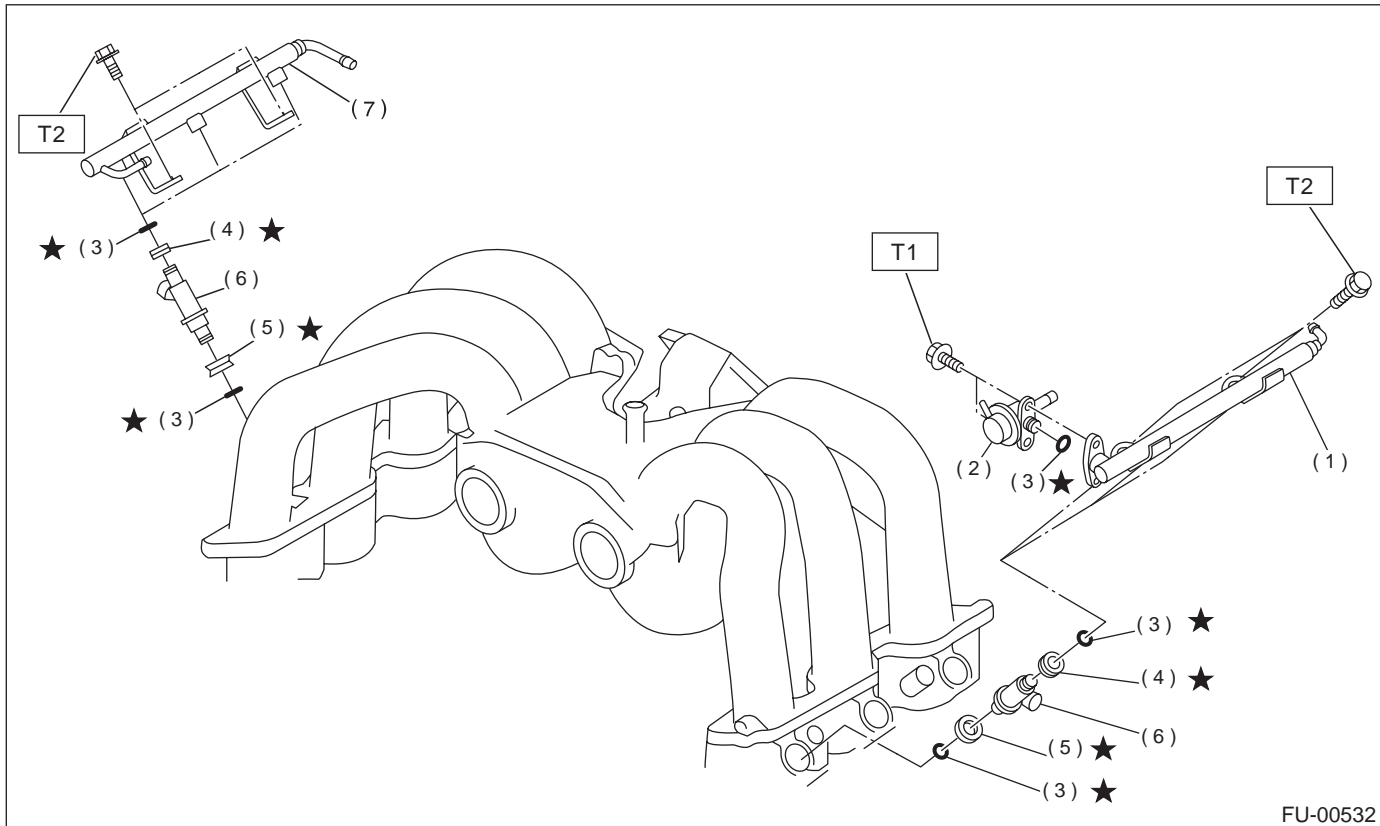
(1) Fuel injector pipe LH
(2) Pressure regulator
(3) O-ring
(4) Injection rubber

(5) Insulator
(6) Fuel injector
(7) Fuel injector pipe RH

Tightening torque: N·m (kgf-m, ft-lb)
T1: 6.4 (0.65, 4.7)
T2: 19 (1.9, 14)

3. AIR INTAKE SYSTEM

FU-00533
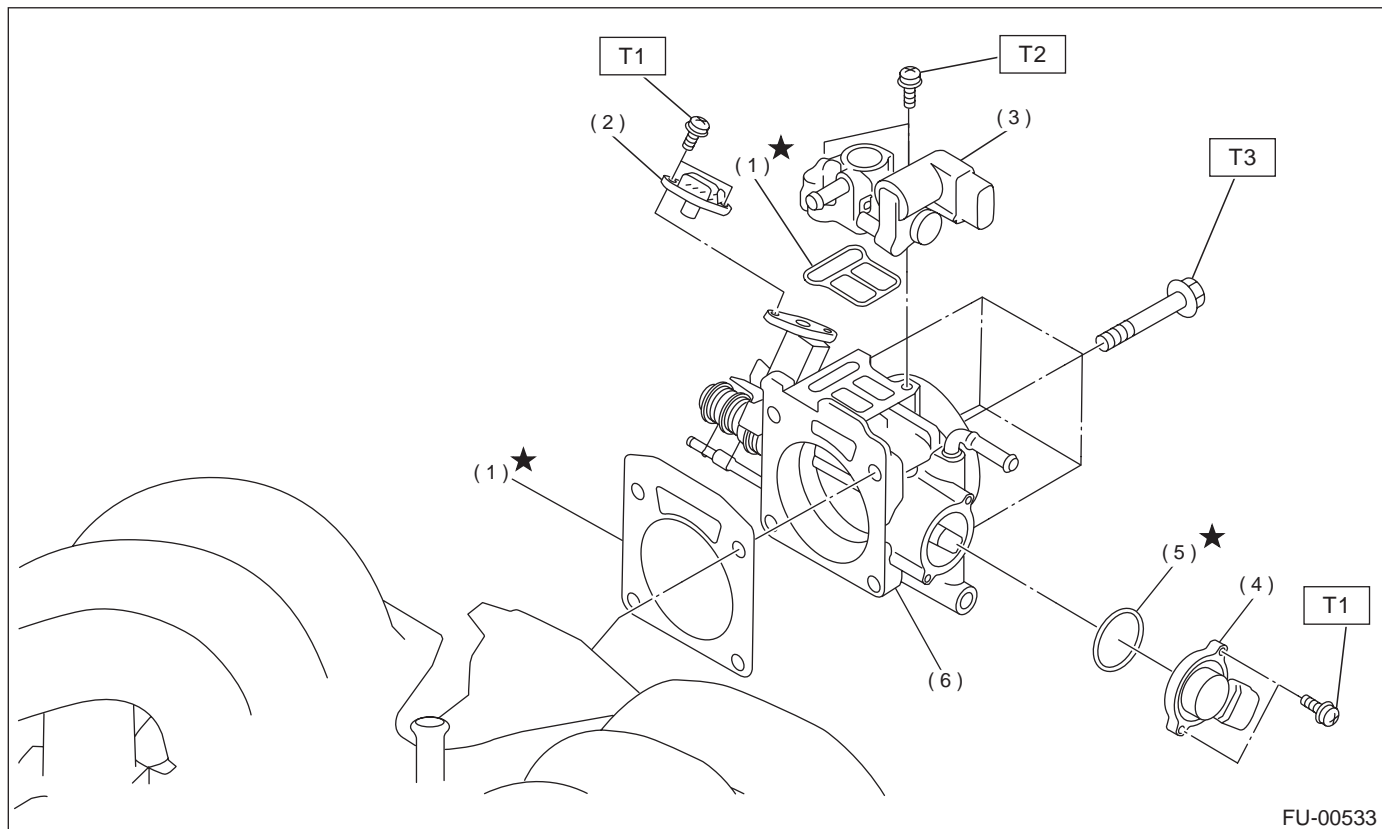
(1) Gasket
(2) Intake manifold pressure sensor
(3) Idle air control solenoid valve
(4) Throttle position sensor

(5) O-ring
(6) Throttle body

Tightening torque: N·m (kgf-m, ft-lb)
T1: 1.6 (0.16, 1.2)
T2: 2.8 (0.29, 2.1)
T3: 22 (2.2, 15.9)

FU(H6DO)-7

4. CRANKSHAFT POSITION, CAMSHAFT POSITION AND KNOCK SENSORS

FU-00534
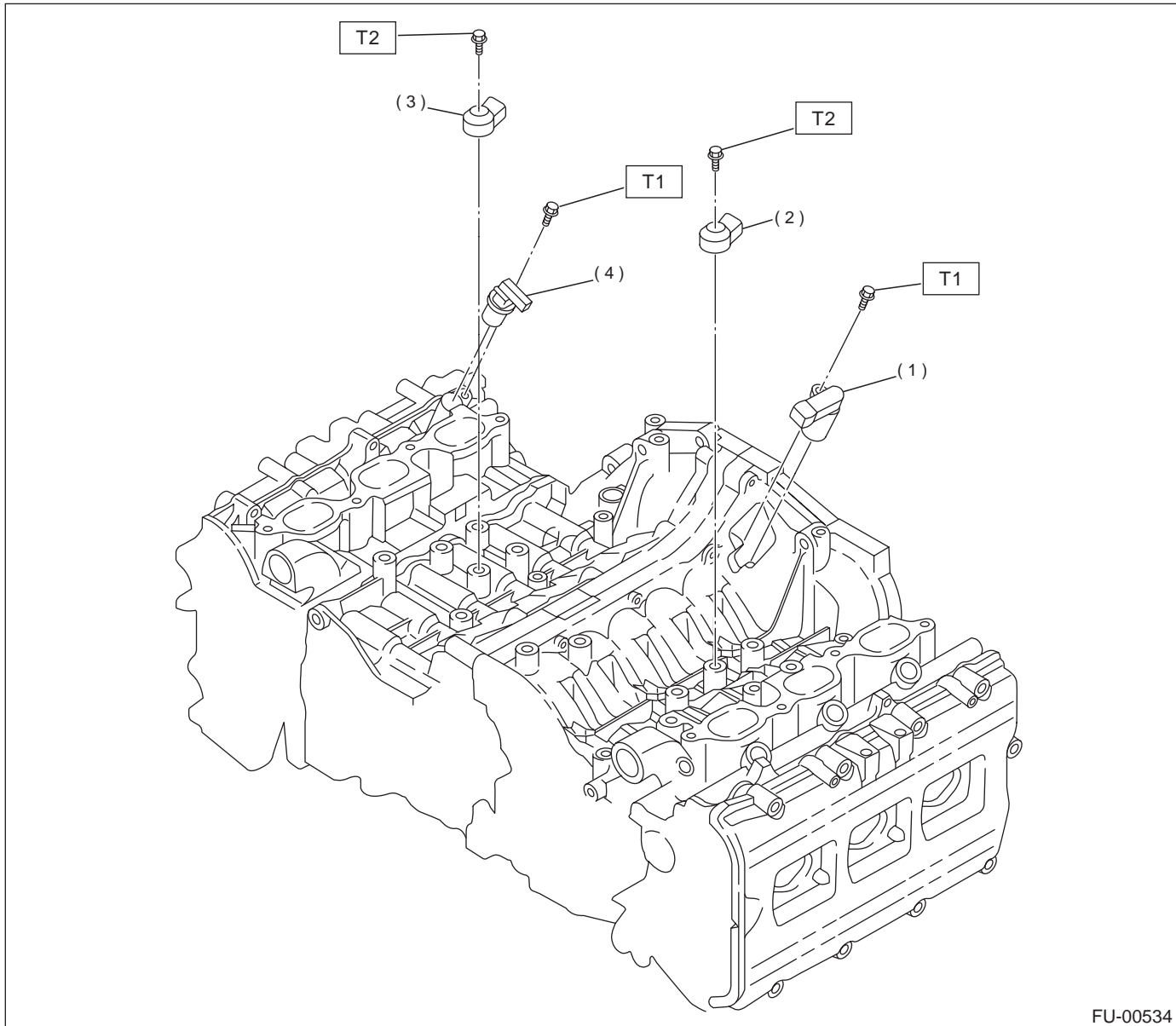
(1) Crankshaft position sensor
(2) Knock sensor LH
(3) Knock sensor RH
(4) Camshaft position sensor

Tightening torque: N·m (kgf-m, ft-lb)
T1: 6.4 (0.65, 4.7)
T2: 25 (2.5, 18)

MEMO:
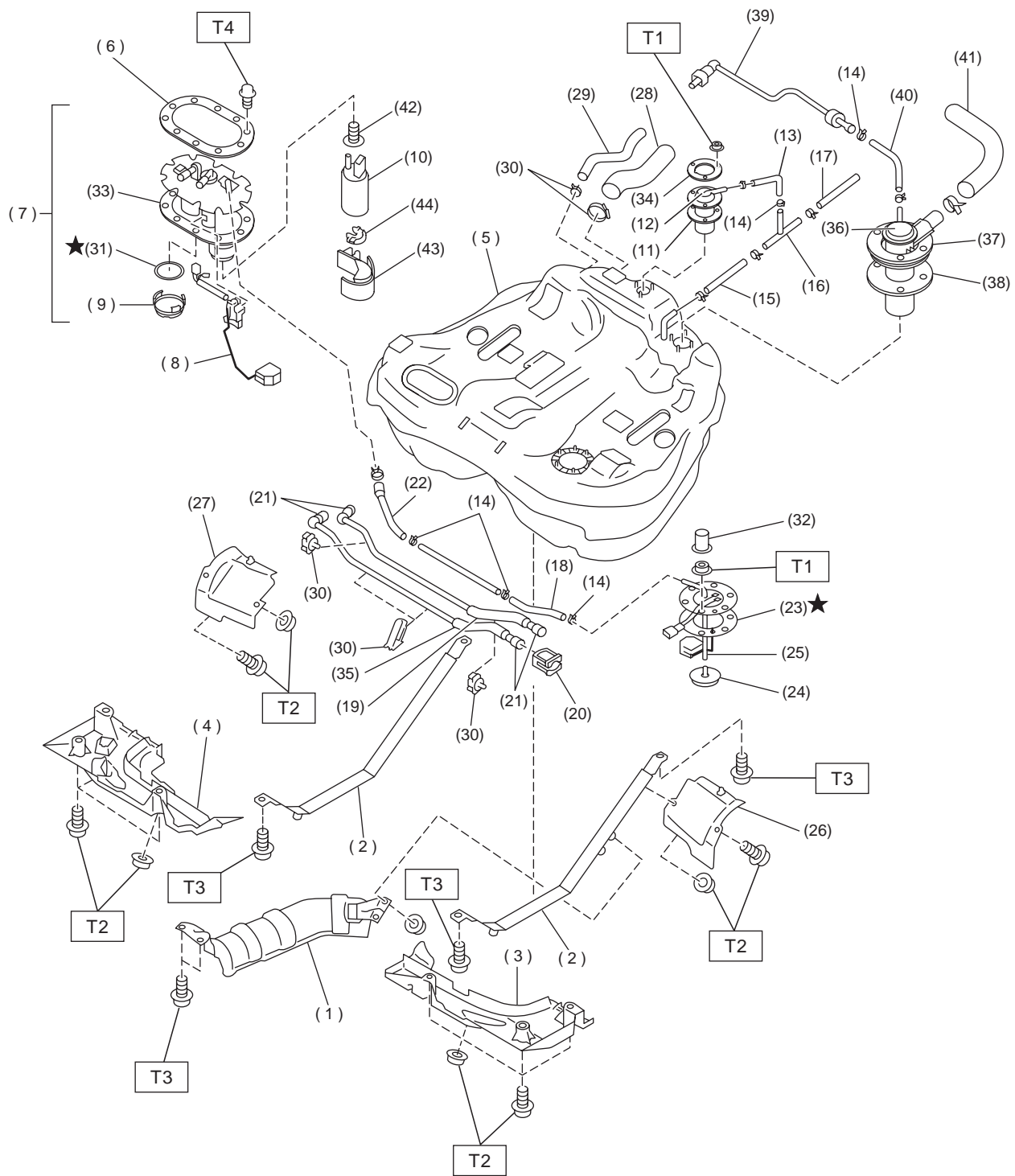
5. FUEL TANK

FU-00424

FU(H6DO)-10

GENERAL DESCRIPTION

(1) Heat sealed cover
(2) Fuel tank band
(3) Protector LH (Front)
(4) Protector RH (Front)
(5) Fuel tank
(6) Fuel pump plate
(7) Fuel pump ASSY
(8) Fuel level sensor
(9) Cap
(10) Fuel pump
(11) Fuel cut valve gasket
(12) Fuel cut valve
(13) Evaporation hose A
(14) Clip
(15) Evaporation hose C
(16) Joint pipe
(17) Evaporation hose B

(18) Jet pump hose A
(19) Fuel return tube
(20) Retainer
(21) Quick connector
(22) Jet pump hose B
(23) Fuel sub level sensor gasket
(24) Jet pump filter
(25) Fuel sub level sensor
(26) Protector LH (Rear)
(27) Protector RH (Rear)
(28) Fuel filler hose
(29) Fuel tank pressure sensor hose
(30) Clamp
(31) Gasket
(32) Cap
(33) Gasket
(34) Fuel cut valve plate

(35) Fuel delivery tube
(36) Vent valve
(37) Vent valve plate
(38) Vent valve gasket
(39) Evaporation tube
(40) Evaporation hose D
(41) Air vent hose
(42) Seal
(43) Fuel pump holder
(44) Rubber lower

Tightening torque: N·m (kgf-m, ft-lb)
T1: 4.4 (0.45, 3.3)
T2: 18 (1.8, 13.0)
T3: 33 (3.4, 25)
T4: 5.9 (0.6, 4.3)

6. FUEL LINE
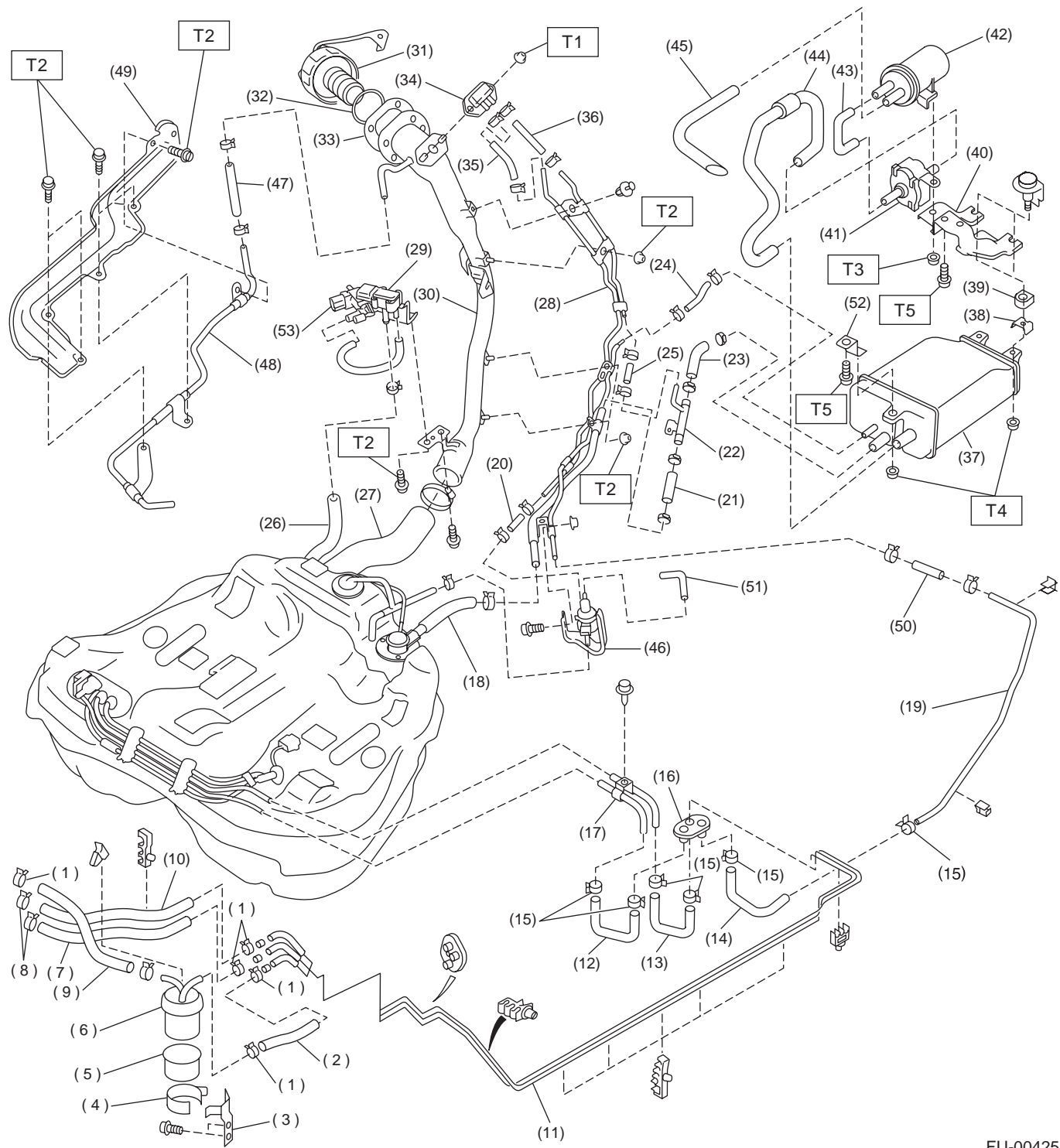
FU-00425

FU(H6DO)-12

GENERAL DESCRIPTION

(1) Clamp
(2) Fuel delivery hose A
(3) Fuel filter bracket
(4) Fuel filter holder
(5) Fuel filter cup
(6) Fuel filter
(7) Evaporation hose F
(8) Clip
(9) Fuel delivery hose B
(10) Fuel return hose
(11) Fuel pipe ASSY
(12) Fuel delivery hose C
(13) Fuel return hose C
(14) Evaporation hose G
(15) Clamp
(16) Grommet
(17) Fuel pipe ASSY
(18) Air vent hose A
(19) Evaporation hose H
(20) Evaporation hose I
(21) Air vent hose B
(22) Air vent pipe

(23) Evaporation hose J
(24) Evaporation hose K
(25) Evaporation hose L
(26) Fuel tank pressure sensor hose
(27) Fuel filler hose
(28) Evaporation pipe B
(29) Fuel tank pressure sensor
(30) Fuel filler pipe
(31) Fuel filler cap
(32) Ring
(33) Packing
(34) Shut valve
(35) Evaporation hose M
(36) Evaporation hose N
(37) Canister
(38) Canister lower bracket
(39) Cushion rubber
(40) Canister upper bracket
(41) Drain valve
(42) Drain filter
(43) Drain filter hose A
(44) Drain valve hose

(45) Drain filter hose B
(46) Pressure control solenoid valve
(47) Evaporation hose O
(48) Evaporation pipe C
(49) Pipe protector
(50) Evaporation hose P
(51) Pressure control solenoid valve hose
(52) Canister front bracket
(53) Fuel tank sensor control valve

Tightening torque: N·m (kgf-m, ft-lb)
T1: 4.5 (0.46, 3.3)
T2: 7.5 (0.76, 5.5)
T3: 18 (1.8, 13.0)
T4: 23 (2.3, 16.6)
T5: 33 (3.4, 25)

7. FUEL FILLER PIPE

FU-00426
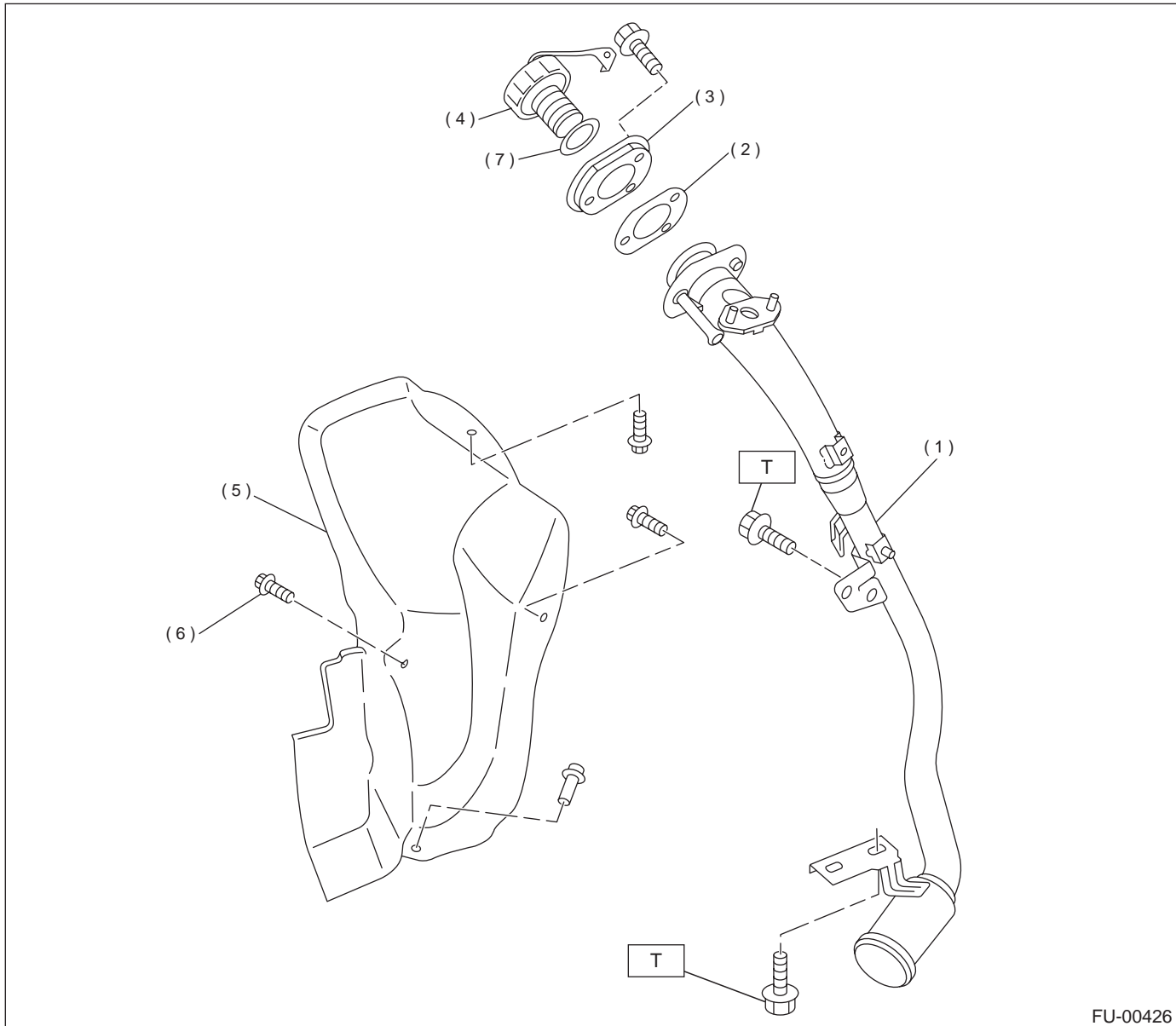
(1) Fuel filler pipe ASSY
(2) Filler pipe packing
(3) Filler ring
(4) Filler cap

(5) Filler pipe protector
(6) Clip
(7) Ring

Tightening torque: N·m (kgf-m, ft-lb)
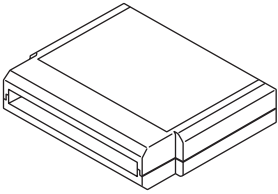*T: 7.5 (0.75, 5.4)*

GENERAL DESCRIPTION

C: CAUTION

• 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 on 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.
• Place "NO FIRE" signs near the working area.
• Be careful not to spill fuel on the floor.

D: PREPARATION TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
ST24082AA210	24082AA210 (Newly adopted tool)	CARTRIDGE	Troubleshooting for electrical systems.
ST22771AA030	22771AA030	SELECT MONITOR KIT	Troubleshooting for electrical systems. • English: 22771AA030 (Without printer) • German: 22771AA070 (Without printer) • French: 22771AA080 (Without printer) • Spanish: 22771AA090 (Without printer)