

GENERAL DESCRIPTION

Fuel Injection (Fuel Systems)

1. General Description S145001

A: SPECIFICATIONS S145001E49

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 65 ℓ (17.2 US gal, 14.3 Imp gal)/h [12 V at 300 kPa (3.06 kg/cm ² , 43.5 psi)]
Fuel filter		Cartridge type

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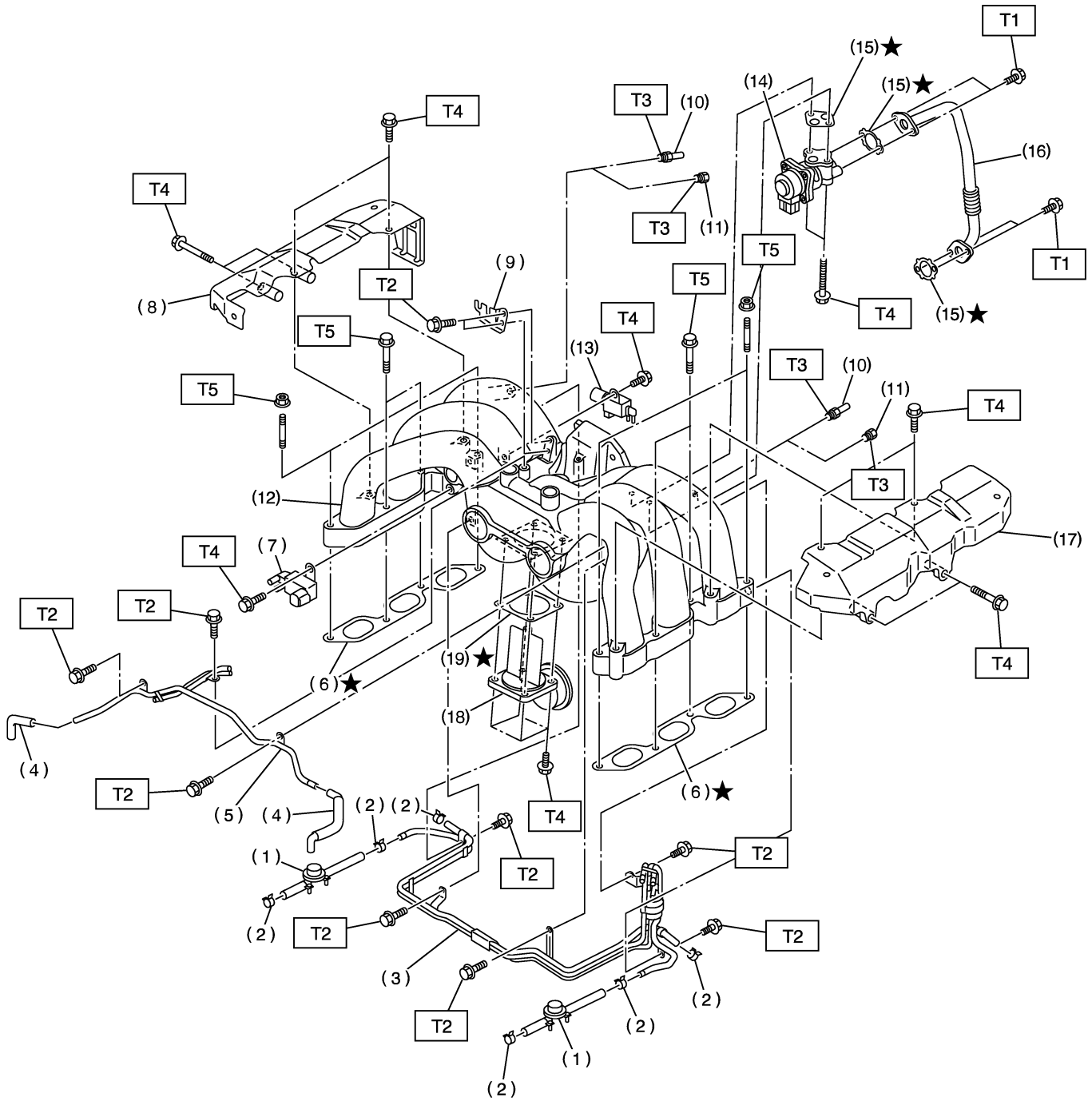
FU(H6)-3

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B: COMPONENT S145001A05

1. INTAKE MANIFOLD S145001A0501



B2M4476A

FU(H6)-4

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- (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)

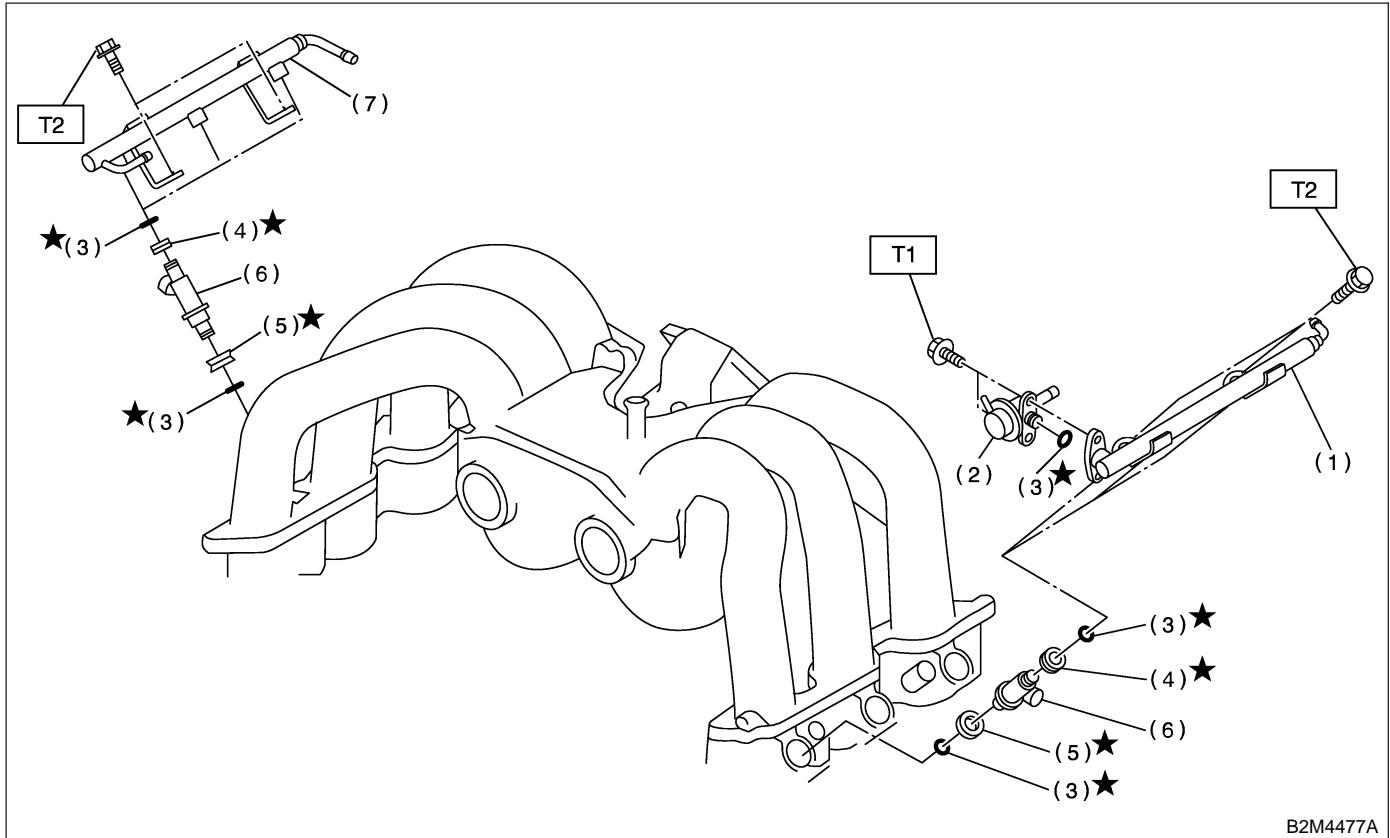
T4: 19 (1.9, 14)

T5: 25 (2.5, 18)

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2. FUEL INJECTOR S145001A0502



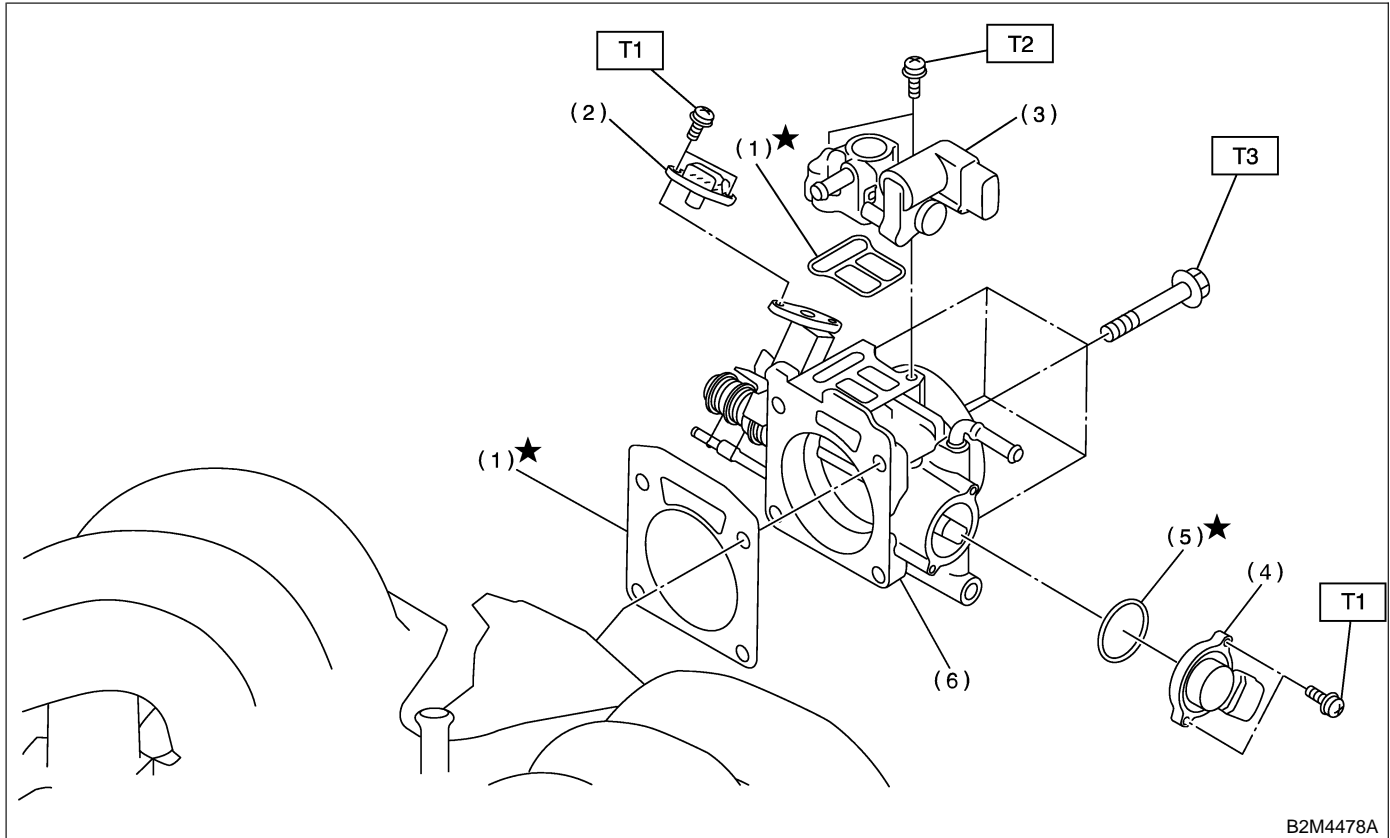
- (1) Fuel injector pipe LH
- (2) Pressure regulator
- (3) O-ring
- (4) Injection rubber
- (5) Insulator
- (6) Fuel injector
- (7) Fuel injector pipe RH

Tightening torque: N-m (kgf-m, ft-lb)

T1: 6.4 (0.65, 4.7)

T2: 19 (1.9, 14)

3. AIR INTAKE SYSTEM S145001A0503



B2M4478A

- | | |
|-------------------------------------|-------------------|
| (1) Gasket | (5) O-ring |
| (2) Intake manifold pressure sensor | (6) Throttle body |
| (3) Idle air control solenoid valve | |
| (4) Throttle position sensor | |

Tightening torque: N-m (kgf-m, ft-lb)

T1: 1.6 (0.16, 1.2)

T2: 2.8 (0.29, 2.1)

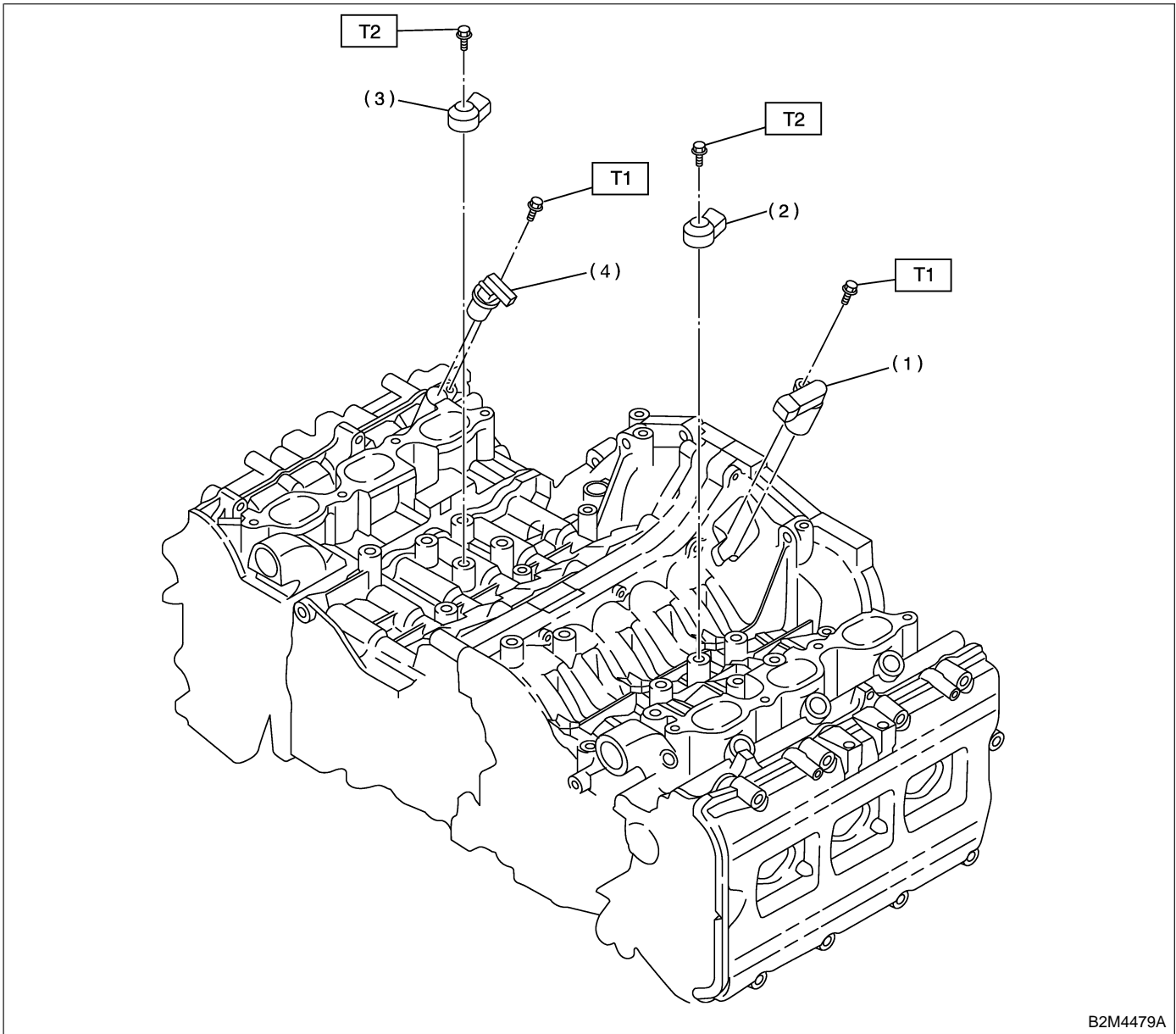
T3: 22 (2.2, 15.9)

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4. CRANKSHAFT POSITION, CAMSHAFT POSITION AND KNOCK SENSORS

S145001A0504



- (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)

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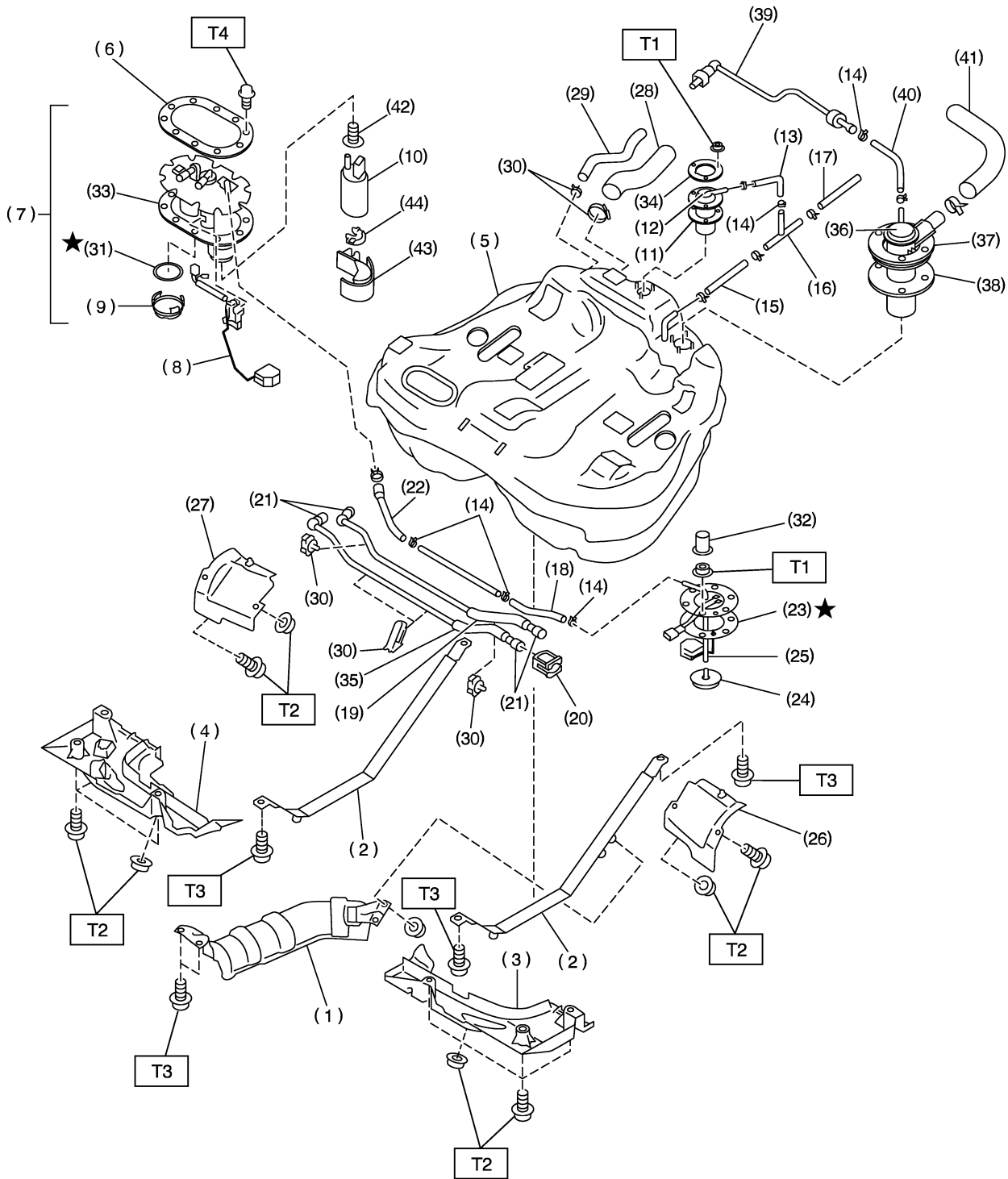
MEMO:

FU(H6)-9

GENERAL DESCRIPTION

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5. FUEL TANK S145001A0505



B2M3662A

GENERAL DESCRIPTION

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(1) Heat sealed cover	(18) Jet pump hose A	(35) Fuel delivery tube
(2) Fuel tank band	(19) Fuel return tube	(36) Vent valve
(3) Protector LH (Front)	(20) Retainer	(37) Vent valve plate
(4) Protector RH (Front)	(21) Quick connector	(38) Vent valve gasket
(5) Fuel tank	(22) Jet pump hose B	(39) Evaporation tube
(6) Fuel pump plate	(23) Fuel sub level sensor gasket	(40) Evaporation hose D
(7) Fuel pump ASSY	(24) Jet pump filter	(41) Air vent hose
(8) Fuel level sensor	(25) Fuel sub level sensor	(42) Seal
(9) Cap	(26) Protector LH (Rear)	(43) Fuel pump holder
(10) Fuel pump	(27) Protector RH (Rear)	(44) Grommet
(11) Fuel cut valve gasket	(28) Fuel filler hose	
(12) Fuel cut valve	(29) Fuel tank pressure sensor hose	
(13) Evaporation hose A	(30) Clamp	
(14) Clip	(31) Gasket	
(15) Evaporation hose C	(32) Cap	
(16) Joint pipe	(33) Gasket	
(17) Evaporation hose B	(34) Fuel cut valve plate	

Tightening torque: N·m (kgf-m, ft-lb)

T1: 4.4 (0.45, 3.3)

T2: 18 (1.8, 13.0)

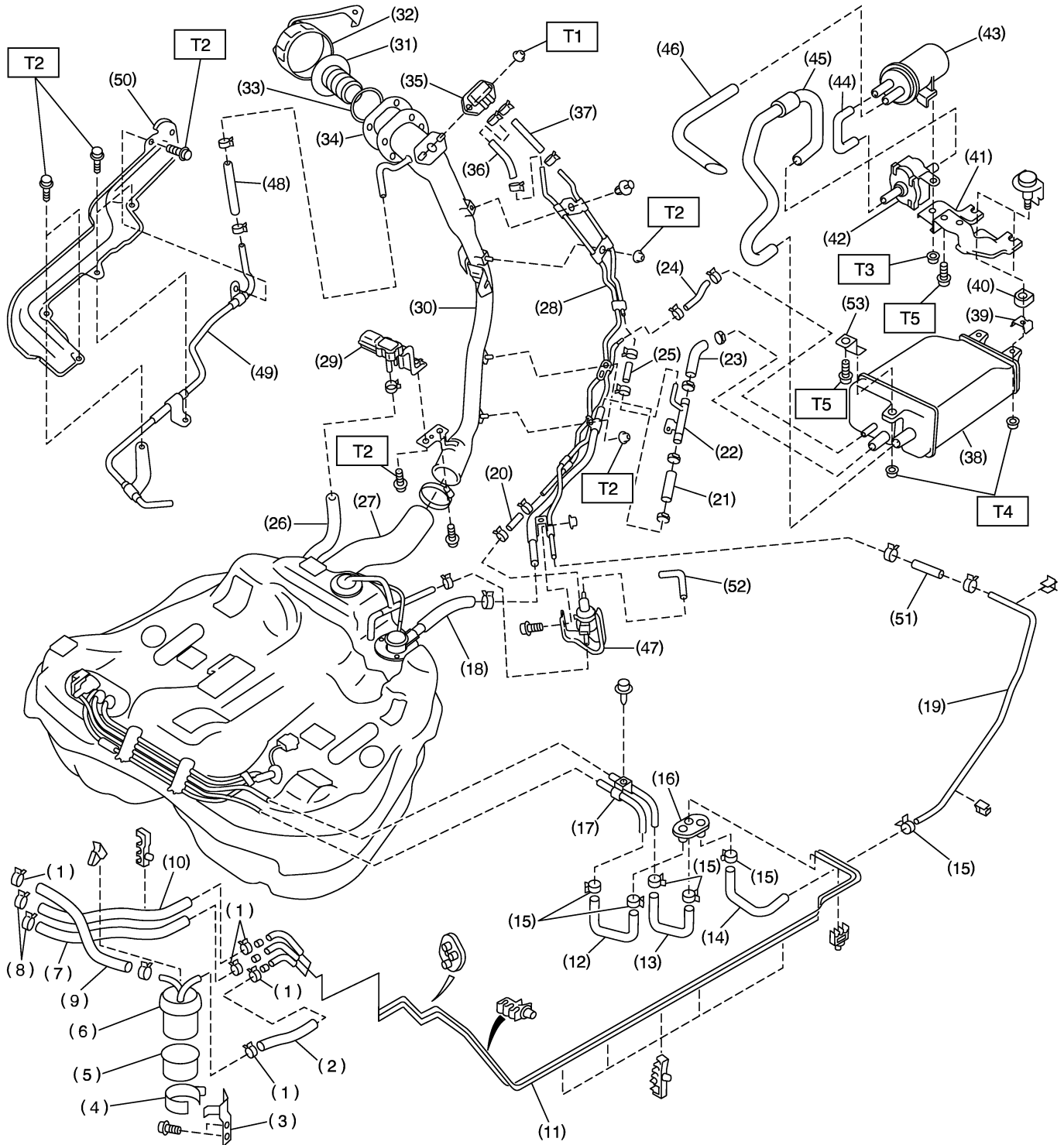
T3: 33 (3.4, 25)

T4: 5.9 (0.6, 4.3)

GENERAL DESCRIPTION

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6. FUEL LINE S145001A0506



B2M4150A

GENERAL DESCRIPTION

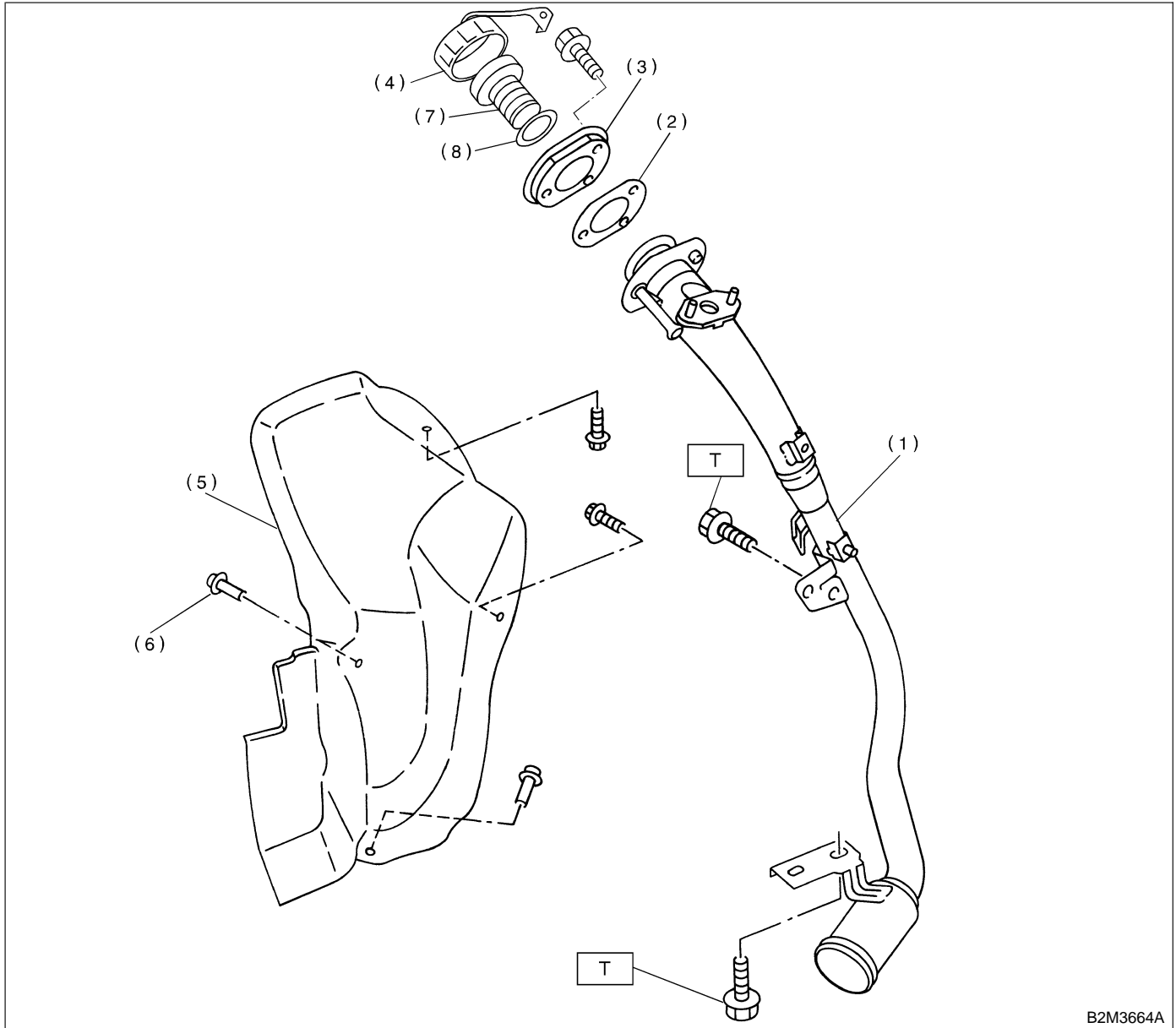
Fuel Injection (Fuel Systems)

(1) Clamp	(22) Air vent pipe	(43) Drain filter
(2) Fuel delivery hose A	(23) Evaporation hose J	(44) Drain filter hose A
(3) Fuel filter bracket	(24) Evaporation hose K	(45) Drain valve hose
(4) Fuel filter holder	(25) Evaporation hose L	(46) Drain filter hose B
(5) Fuel filter cup	(26) Fuel tank pressure sensor hose	(47) Pressure control solenoid valve
(6) Fuel filter	(27) Fuel filler hose	(48) Evaporation hose O
(7) Evaporation hose F	(28) Evaporation pipe B	(49) Evaporation pipe C
(8) Clip	(29) Fuel tank pressure sensor	(50) Pipe protector
(9) Fuel delivery hose B	(30) Fuel filler pipe	(51) Evaporation hose P
(10) Fuel return hose	(31) Ring A	(52) Pressure control solenoid valve hose
(11) Fuel pipe ASSY	(32) Fuel filler cap	(53) Canister front bracket
(12) Fuel delivery hose C	(33) Ring B	
(13) Fuel return hose C	(34) Packing	
(14) Evaporation hose G	(35) Shut valve	Tightening torque: N·m (kgf-m, ft-lb)
(15) Clamp	(36) Evaporation hose M	T1: 4.5 (0.46, 3.3)
(16) Grommet	(37) Evaporation hose N	T2: 7.5 (0.76, 5.5)
(17) Fuel pipe ASSY	(38) Canister	T3: 18 (1.8, 13.0)
(18) Air vent hose A	(39) Canister lower bracket	T4: 23 (2.3, 16.6)
(19) Evaporation hose H	(40) Cushion rubber	T5: 33 (3.4, 25)
(20) Evaporation hose I	(41) Canister upper bracket	
(21) Air vent hose B	(42) Drain valve	

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7. FUEL FILLER PIPE S145001A0507



- (1) Fuel filler pipe ASSY
- (2) Filler pipe packing
- (3) Filler ring
- (4) Filler cap
- (5) Filler pipe protector
- (6) Clip
- (7) Ring A
- (8) Ring B

Tightening torque: N·m (kgf·m, ft·lb)

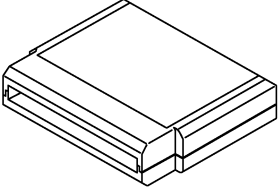

T: 7.5 (0.75, 5.4)

C: CAUTION S145001A03

- 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 negative terminal from battery.
- Place "NO FIRE" signs near the working area.
- Be careful not to spill fuel on the floor.

D: PREPARATION TOOL S145001A17

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">B2M3876</p>	<p style="text-align: center;">24082AA150 (Newly adopted tool)</p>	CARTRIDGE	Troubleshooting for electrical systems.
 <p style="text-align: center;">B2M3877</p>	<p style="text-align: center;">22771AA030</p>	SELECT MONITOR KIT	Troubleshooting for electrical systems. <ul style="list-style-type: none"> ● English: 22771AA030 (Without printer) ● German: 22771AA070 (Without printer) ● French: 22771AA080 (Without printer) ● Spanish: 22771AA090 (Without printer)