

GENERAL DESCRIPTION

Fuel Injection (Fuel Systems)

1. General Description S105001

A: SPECIFICATIONS S105001E49

Fuel tank	Capacity	60 ℥ (15.9 US gal, 13.2 Imp gal)
	Location	Under rear seat
Fuel pump	Type	Impeller
	Discharge pressure	299.1 kPa (3.05 kg/cm ² , 43.4 psi)
	Discharge flow	More than 65 ℥ (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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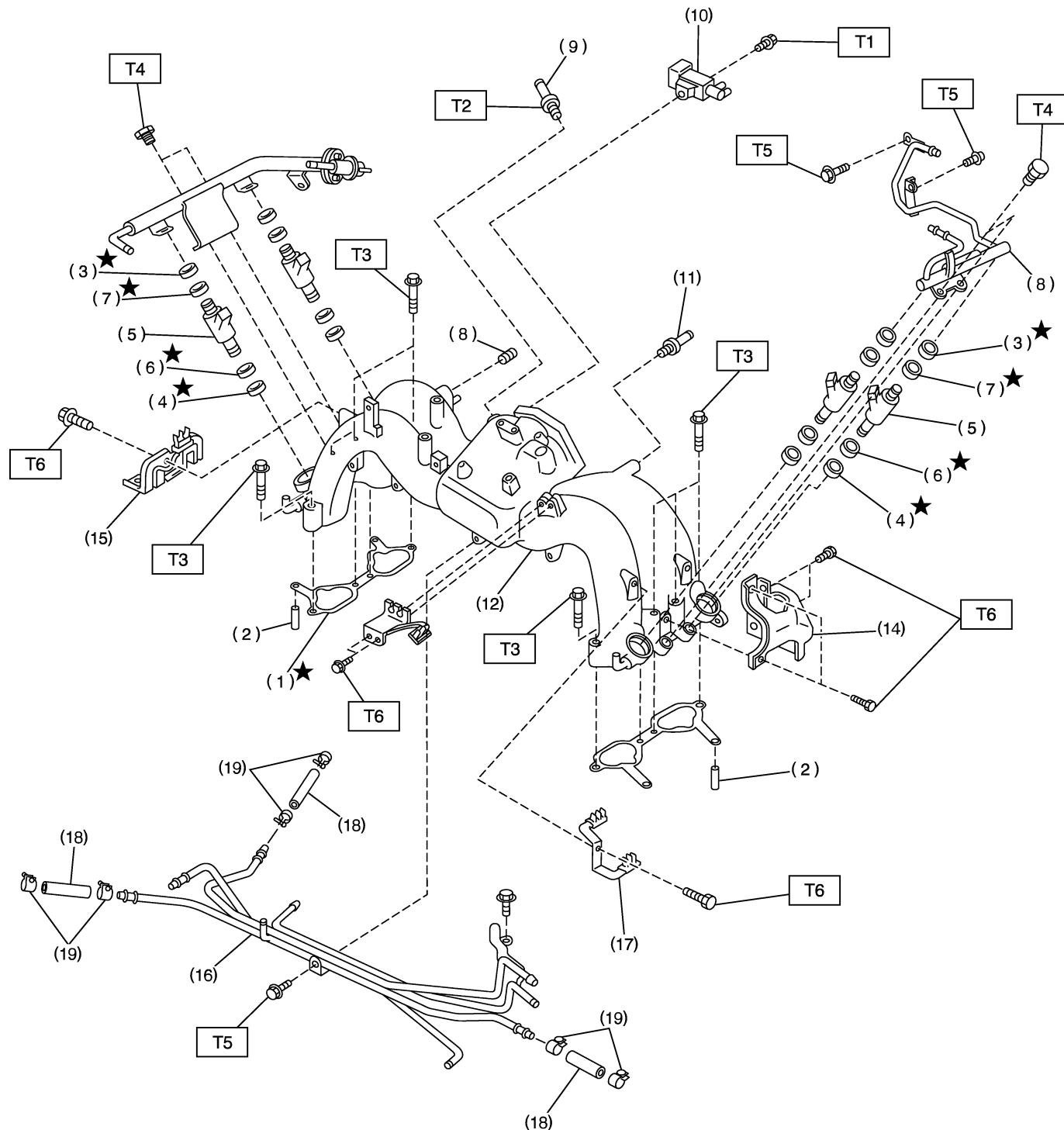
B: COMPONENT

S105001A05

1. INTAKE MANIFOLD

S105001A0501

- 2200 cc models



H2M3531A

GENERAL DESCRIPTION

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(1) Intake manifold gasket RH	(11) Nipple
(2) Guide pin	(12) Intake manifold
(3) Insulator A	(13) Intake manifold gasket LH
(4) Insulator B	(14) Fuel pipe protector LH
(5) Fuel injector	(15) Bracket RH
(6) O-ring B	(16) Fuel pipe ASSY
(7) O-ring A	(17) Bracket LH
(8) Plug	(18) Fuel hose
(9) PCV valve	(19) Clip
(10) Purge control solenoid valve	(20) Bracket

Tightening torque: N·m (kgf·m, ft·lb)

T1: 16 (1.6, 11.6)

T2: 23 (2.3, 16.6)

T3: 25 (2.5, 18.1)

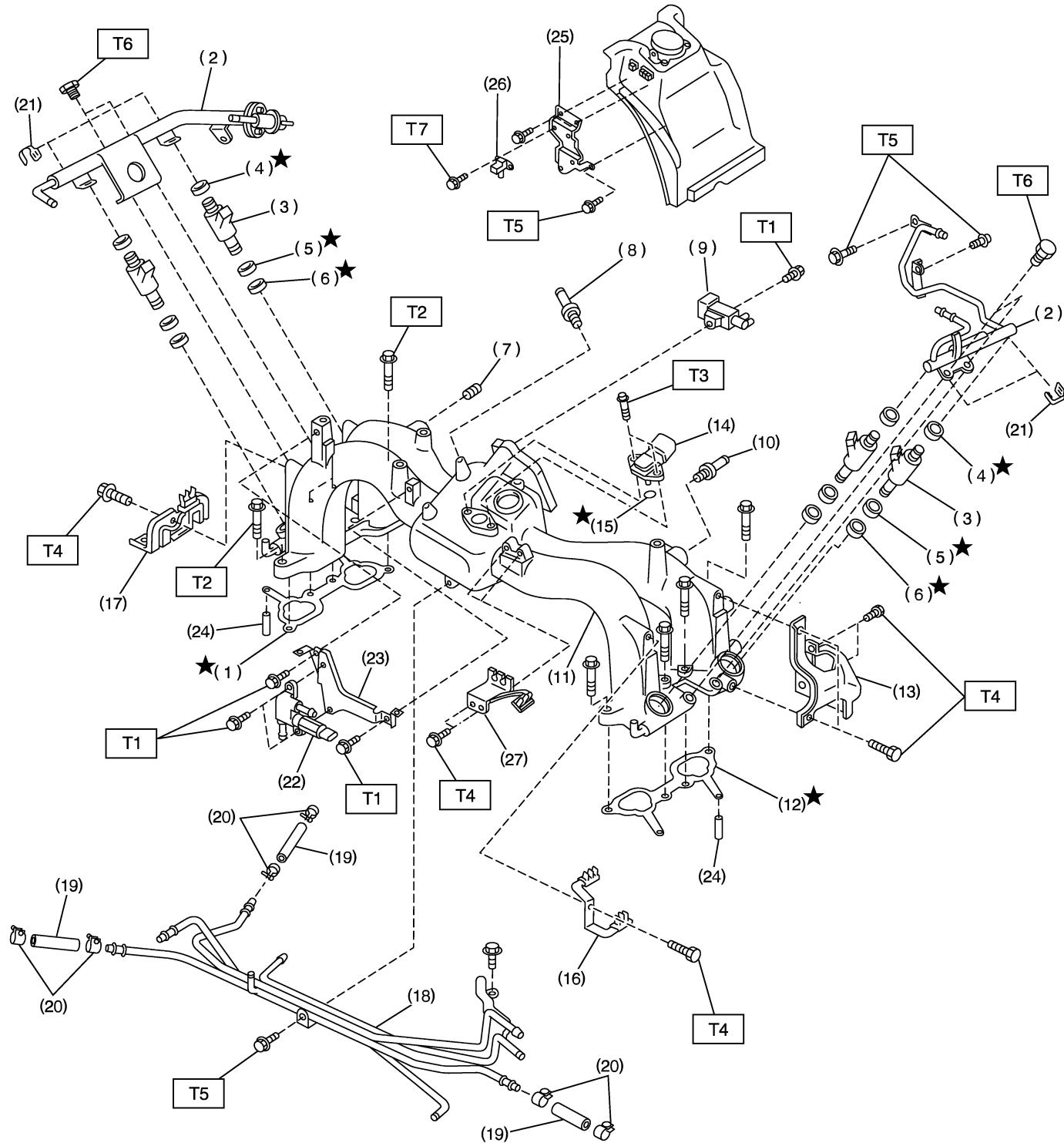
T4: 3.4 (0.35, 2.5)

T5: 4.9 (0.5, 3.6)

T6: 18.6 (1.9, 13.7)

GENERAL DESCRIPTION

- 2500 cc models



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(1) Intake manifold gasket RH	(15) O-ring
(2) Fuel injector pipe	(16) Bracket LH
(3) Fuel injector	(17) Bracket RH
(4) O-ring	(18) Fuel pipe ASSY
(5) O-ring	(19) Fuel hose
(6) O-ring	(20) Clip
(7) Plug	(21) Clip
(8) PCV valve	(22) Air assist injector solenoid valve
(9) Purge control solenoid valve	(23) Air assist injector solenoid valve bracket
(10) Nipple	(24) Guide pin
(11) Intake manifold	(25) Atmospheric pressure sensor bracket
(12) Intake manifold gasket LH	(26) Atmospheric pressure sensor
(13) Fuel pipe protector LH	(27) Bracket
(14) Intake air temperature and pressure sensor	

Tightening torque: N·m (kgf·m, ft·lb)

T1: 16 (1.6, 11.6)

T2: 25 (2.5, 18.1)

T3: 2.0 (0.2, 1.4)

T4: 18.6 (1.9, 13.7)

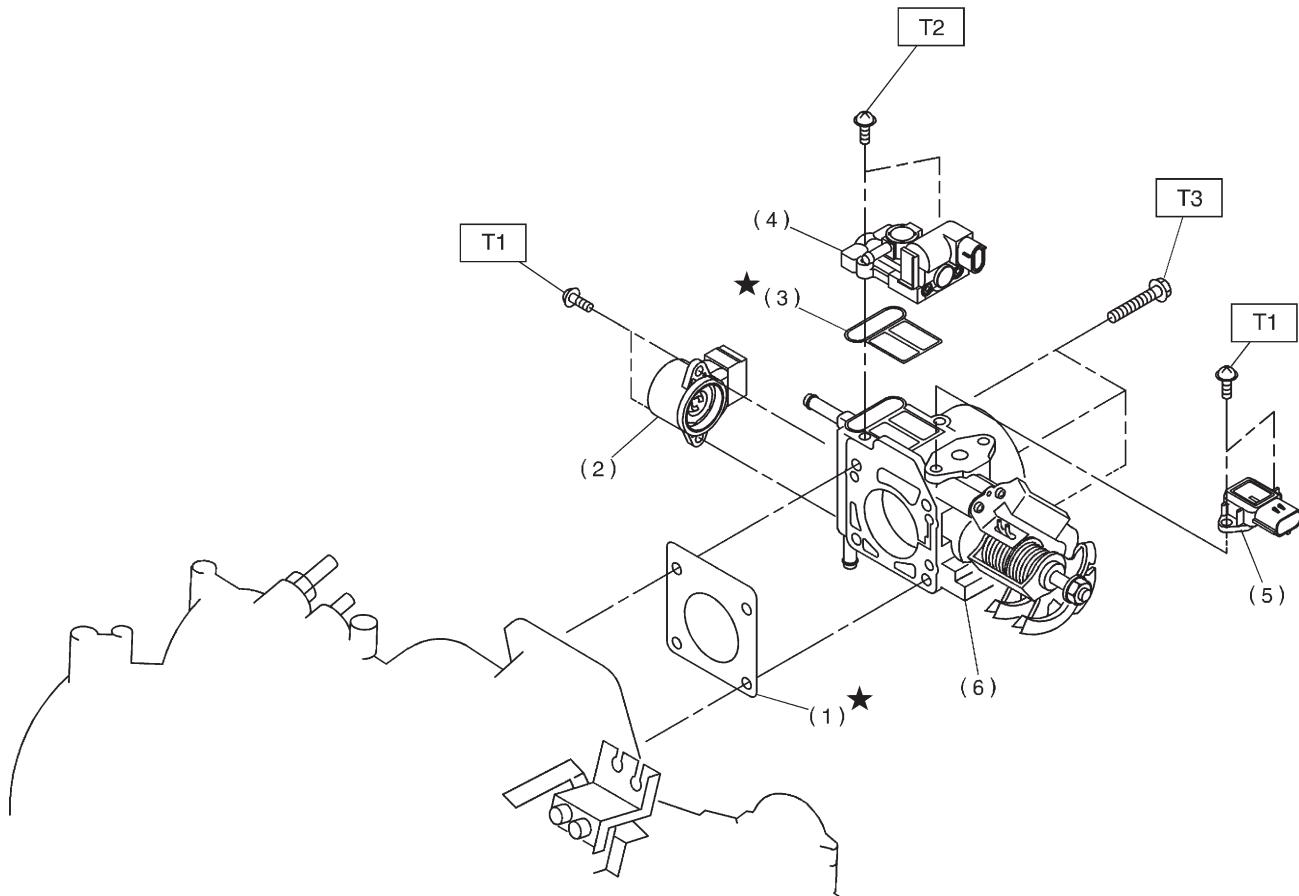
T5: 4.9 (0.5, 3.6)

T6: 3.4 (0.35, 2.5)

T7: 6.4 (0.65, 4.7)

2. AIR INTAKE SYSTEM S105001A0502

● 2200 cc models



B2M2278A

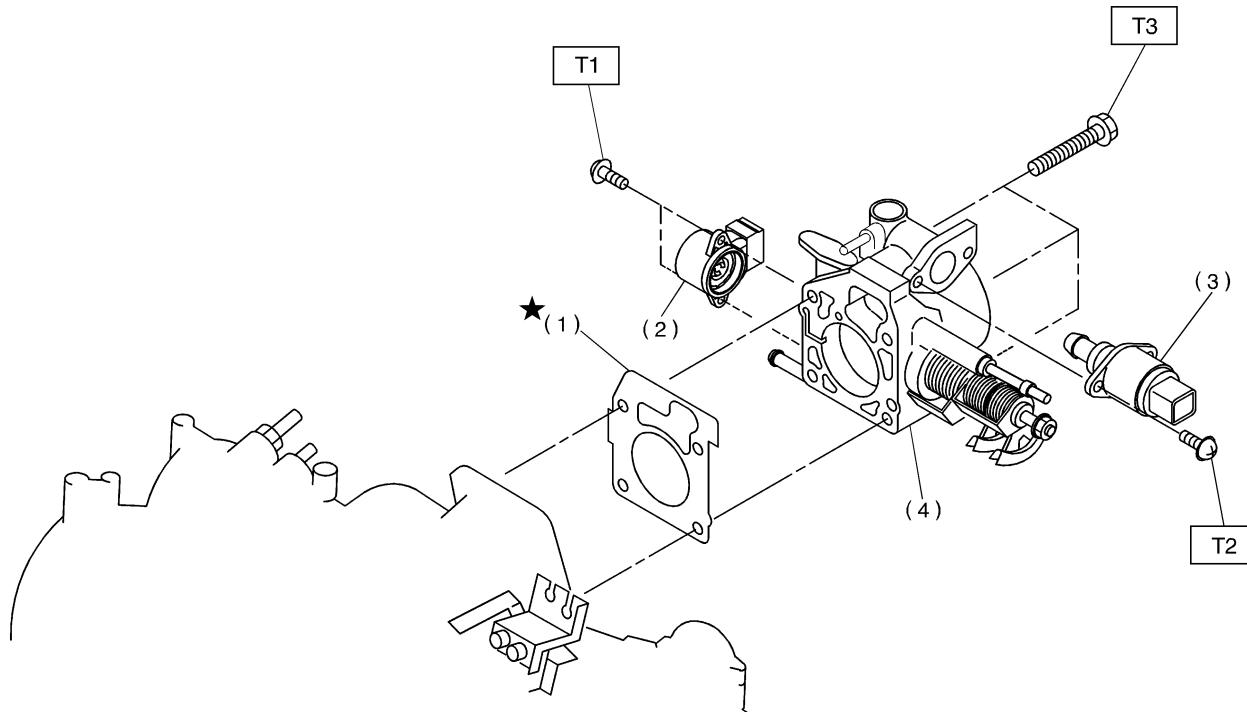
(1) Gasket	(5) Intake manifold pressure sensor
(2) Throttle position sensor	(6) Throttle body
(3) Gasket	
(4) Idle air control solenoid valve	

Tightening torque: N·m (kgf·m, ft-lb)***T1: 2.2 (0.22, 1.6)******T2: 6.0 (0.61, 4.4)******T3: 22 (2.2, 15.9)***

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● 2500 cc models



B2M3455A

- (1) Gasket
- (2) Throttle position sensor
- (3) Idle air control solenoid valve
- (4) Throttle body

Tightening torque: N·m (kgf·m, ft-lb)

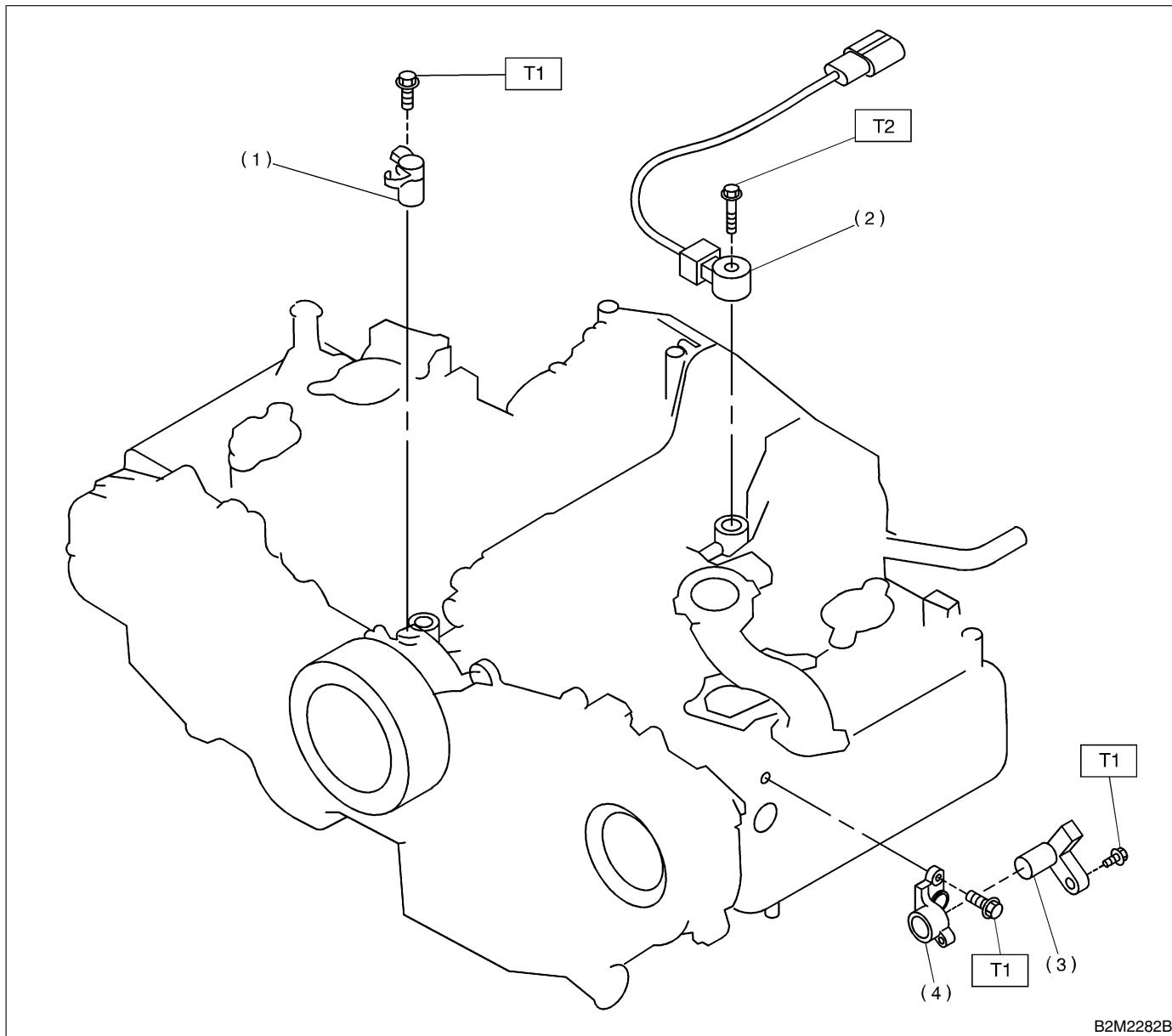
T1: 2.0 (0.2, 1.4)

T2: 6.0 (0.61, 4.4)

T3: 19 (1.9, 13.7)

3. CRANKSHAFT POSITION, CAMSHAFT POSITION AND KNOCK SENSORS

S105001A0503



(1) Crankshaft position sensor
(2) Knock sensor

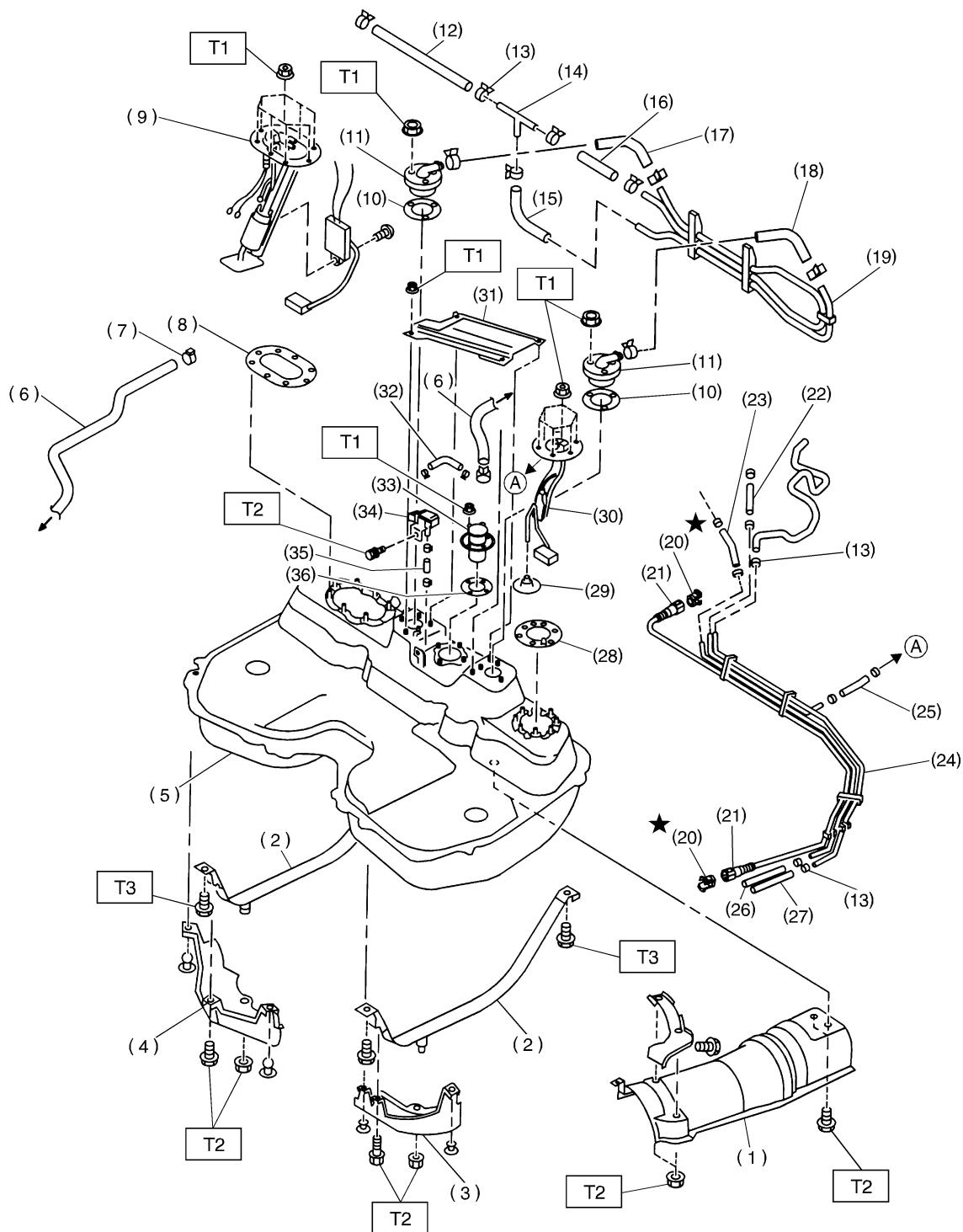
(3) Camshaft position sensor
(4) Camshaft position sensor support

Tightening torque: N·m (kgf·m, ft·lb)
T1: 6.4 (0.65, 4.7)
T2: 23.5 (2.4, 17.4)

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4. FUEL TANK S105001A0504



H2M3594A

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(1) Heat sealed cover	(15) Evaporation hose C	(29) Jet pump filter
(2) Fuel tank band	(16) Evaporation hose B	(30) Fuel sub level sensor
(3) Protector LH	(17) Evaporation hose D	(31) Protector cover
(4) Protector RH	(18) Evaporation hose E	(32) Vent valve hose
(5) Fuel tank	(19) Evaporation pipe ASSY	(33) Vent valve
(6) Canister hose A	(20) Retainer	(34) Fuel tank pressure sensor
(7) Clamp	(21) Quick connector	(35) Fuel tank pressure sensor hose
(8) Fuel pump gasket	(22) Jet pump hose A	(36) Vent valve gasket
(9) Fuel pump ASSY	(23) Fuel return hose A	
(10) Fuel cut valve gasket	(24) Fuel pipe ASSY	
(11) Fuel cut valve	(25) Jet pump hose B	
(12) Evaporation hose A	(26) Fuel return hose B	
(13) Clip	(27) Evaporation hose F	
(14) Joint pipe	(28) Fuel sub level sensor gasket	

Tightening torque: N·m (kgf·m, ft·lb)

T1: 4.4 (0.45, 3.3)

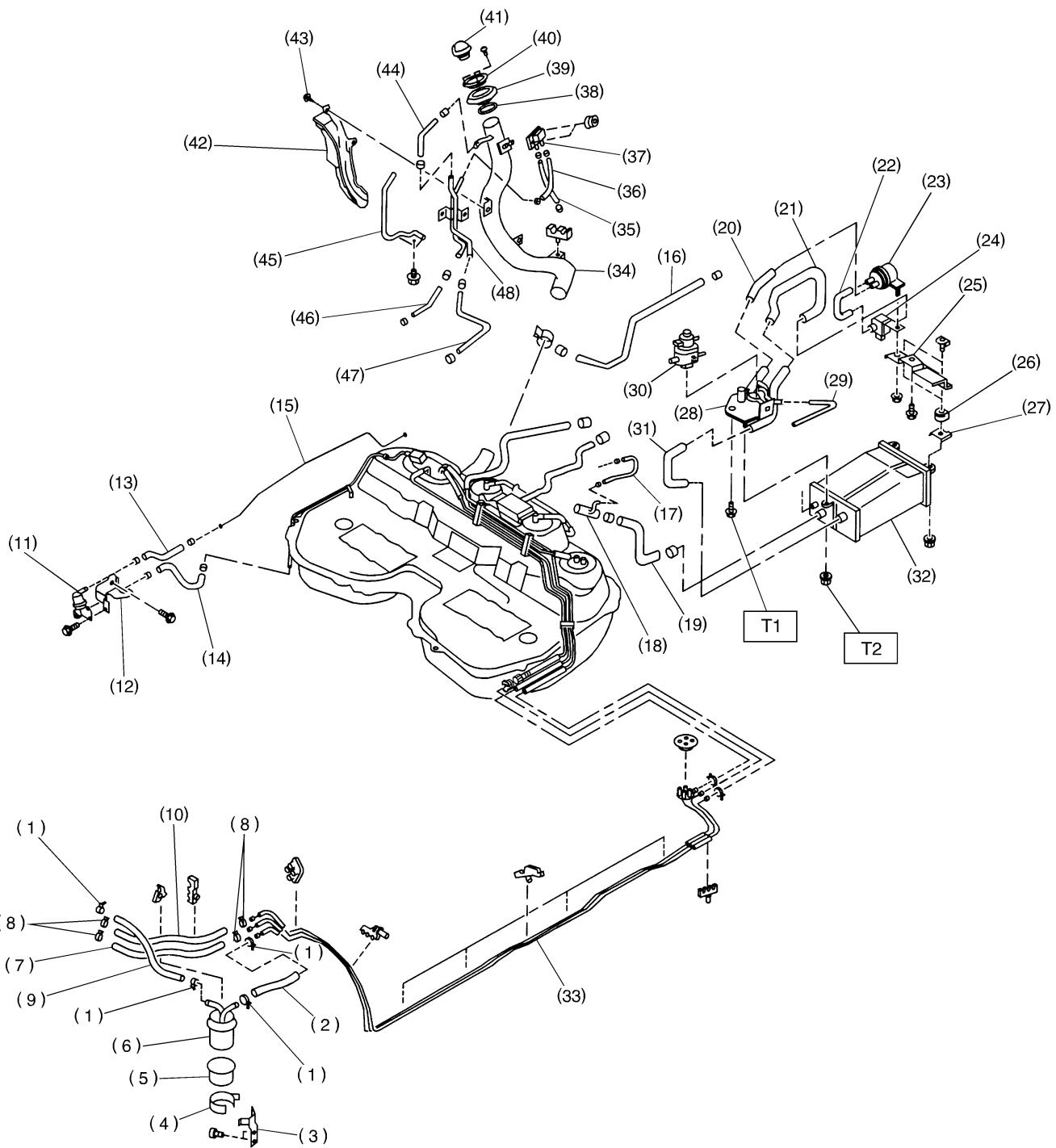
T2: 7.4 (0.75, 5.4)

T3: 33 (3.4, 25)

GENERAL DESCRIPTION

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5. FUEL LINE S105001A0505



H2M3595A

GENERAL DESCRIPTION

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(1) Clamp	(19) Canister hose A	(37) Shut valve
(2) Fuel delivery hose A	(20) Air filter hose A	(38) Packing
(3) Fuel filter bracket	(21) Drain valve hose	(39) Ring A
(4) Fuel filter holder	(22) Air filter hose B	(40) Ring B
(5) Fuel filter cup	(23) Drain filter	(41) Fuel filler cap
(6) Fuel filter	(24) Drain valve	(42) Fuel filler pipe protector
(7) Evaporation hose	(25) Canister upper bracket	(43) Tapping screw
(8) Clip	(26) Cushion rubber	(44) Evaporation hose O
(9) Fuel delivery hose B	(27) Canister lower bracket	(45) Joint pipe
(10) Fuel return hose	(28) Canister holder	(46) Evaporation hose P
(11) Roll over valve	(29) Evaporation hose L	(47) Evaporation hose Q
(12) Roll over valve bracket	(30) Pressure control solenoid valve	(48) Evaporation pipe
(13) Evaporation hose H	(31) Canister hose B	
(14) Evaporation hose I	(32) Canister	
(15) Evaporation pipe B	(33) Fuel pipe ASSY	
(16) Evaporation hose J	(34) Fuel filler pipe	
(17) Evaporation hose K	(35) Evaporation hose M	
(18) Joint pipe	(36) Evaporation hose N	

Tightening torque: N·m (kgf·m, ft·lb)

T1: 17.7 (1.8, 13.0)

T2: 23 (2.3, 16.6)

GENERAL DESCRIPTION

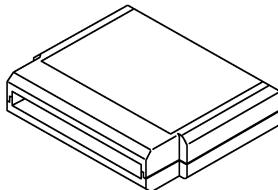
Fuel Injection (Fuel Systems)

C: CAUTION S105001A03

- 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 S105001A17

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 B2M3876	24082AA130	CARTRIDGE	
 B2M3877	22771AA020	SELECT MONITOR KIT	<p>Troubleshooting for electrical systems.</p> <ul style="list-style-type: none">● English: 22771AA020 (With printer) 22771AA030 (Without printer)● German: 22771AA040 (With printer) 22771AA070 (Without printer)● French: 22771AA050 (With printer) 22771AA080 (Without printer)● Spanish: 22771AA060 (With printer) 22771AA090 (Without printer)