

GENERAL DESCRIPTION

Fuel Injection (Fuel Systems)

1. General Description S105001

A: SPECIFICATIONS S105001E49

Fuel tank	Capacity	60 ℓ (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 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

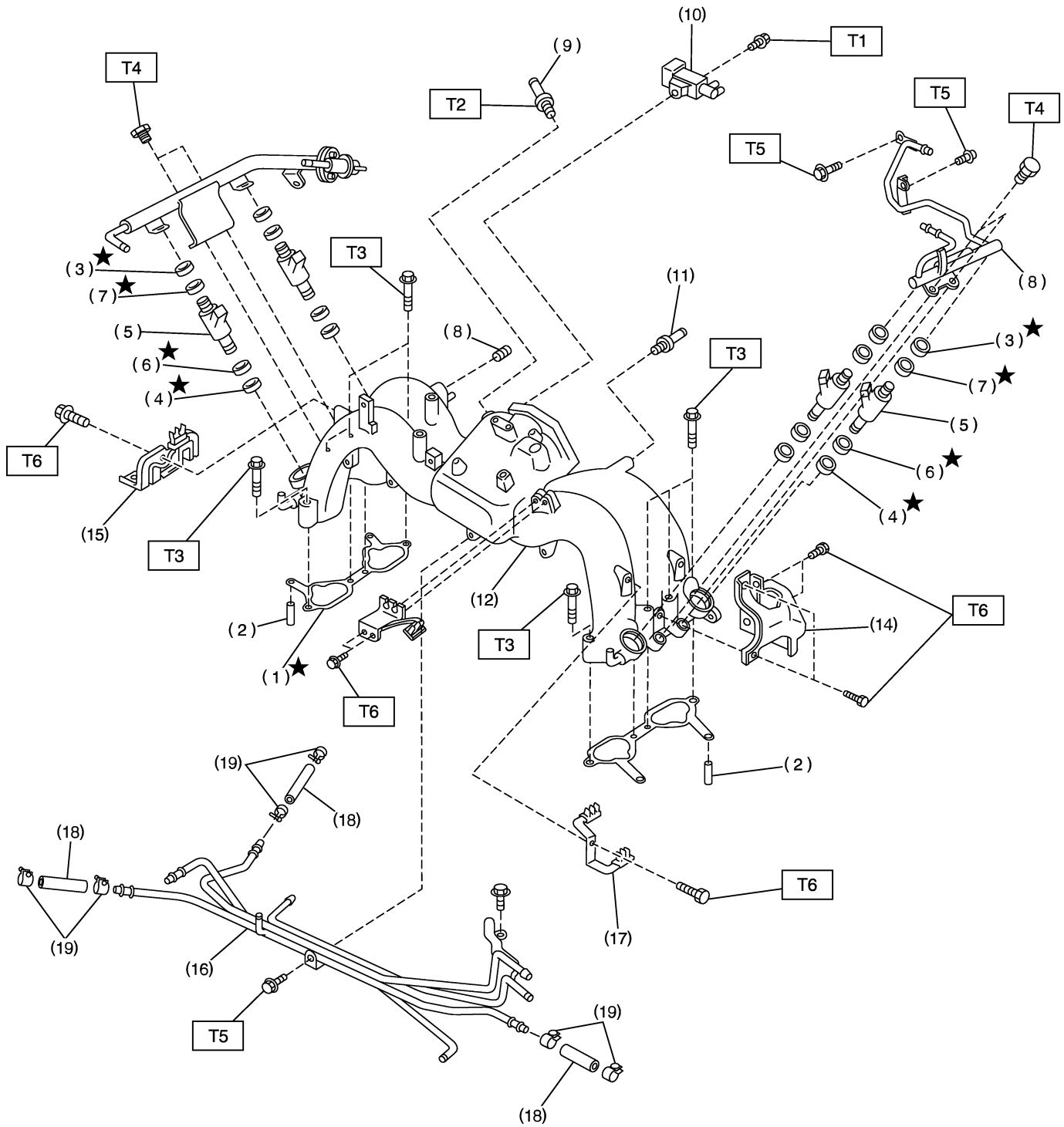
B: COMPONENT

S105001A05

1. INTAKE MANIFOLD

S105001A0501

● 2200 cc models



H2M3531A

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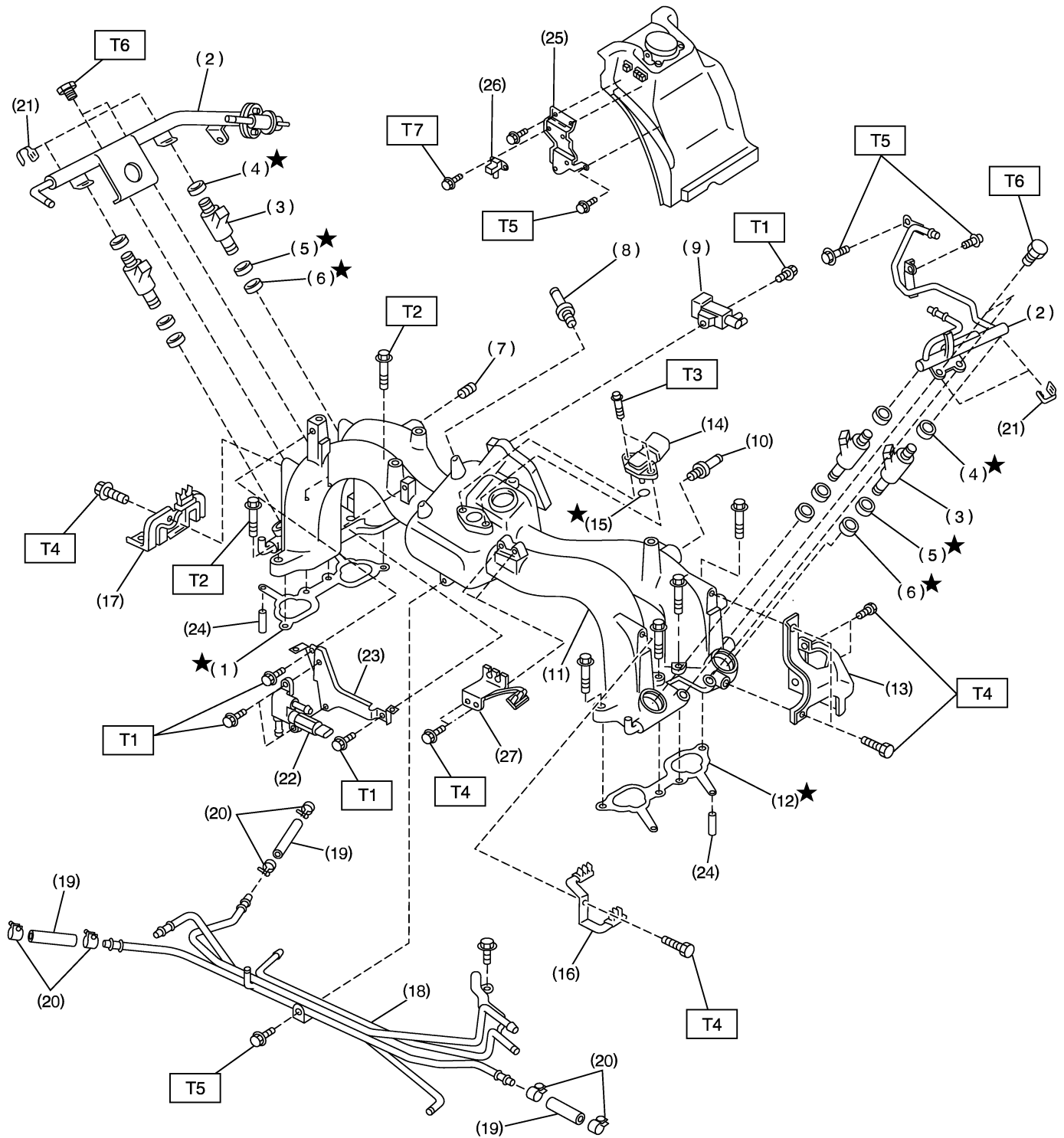
- | | |
|-----------------------------------|--------------------------------|
| (1) Intake manifold gasket RH | (11) Nipple |
| (2) Guide pin | (12) Intake manifold |
| (3) Insulator A | (13) Intake manifold gasket LH |
| (4) Insulator B | (14) Fuel pipe protector LH |
| (5) Fuel injector | (15) Bracket 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)***

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● 2500 cc models



H2M3532A

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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)

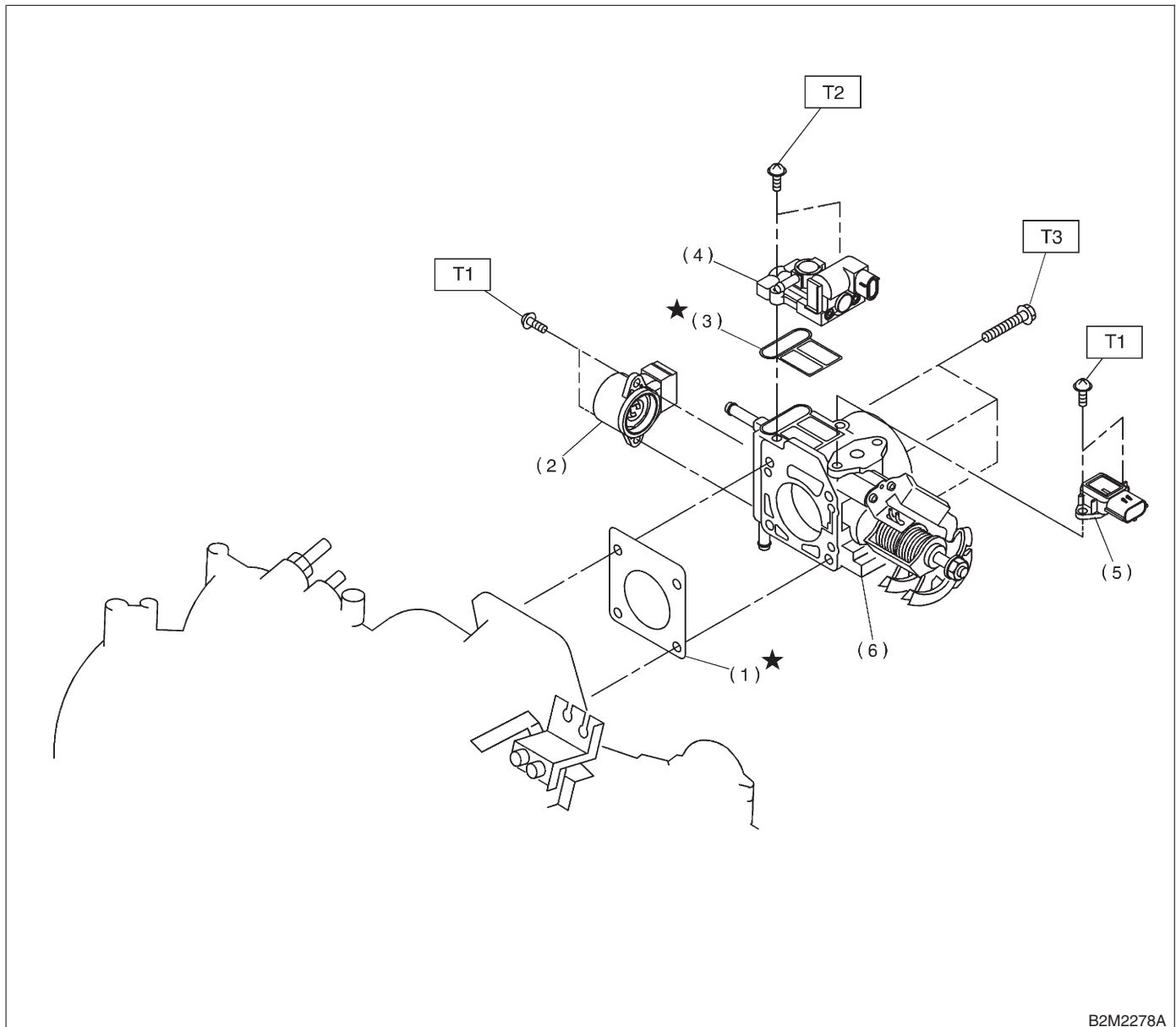
T5: 4.9 (0.5, 3.6)

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)

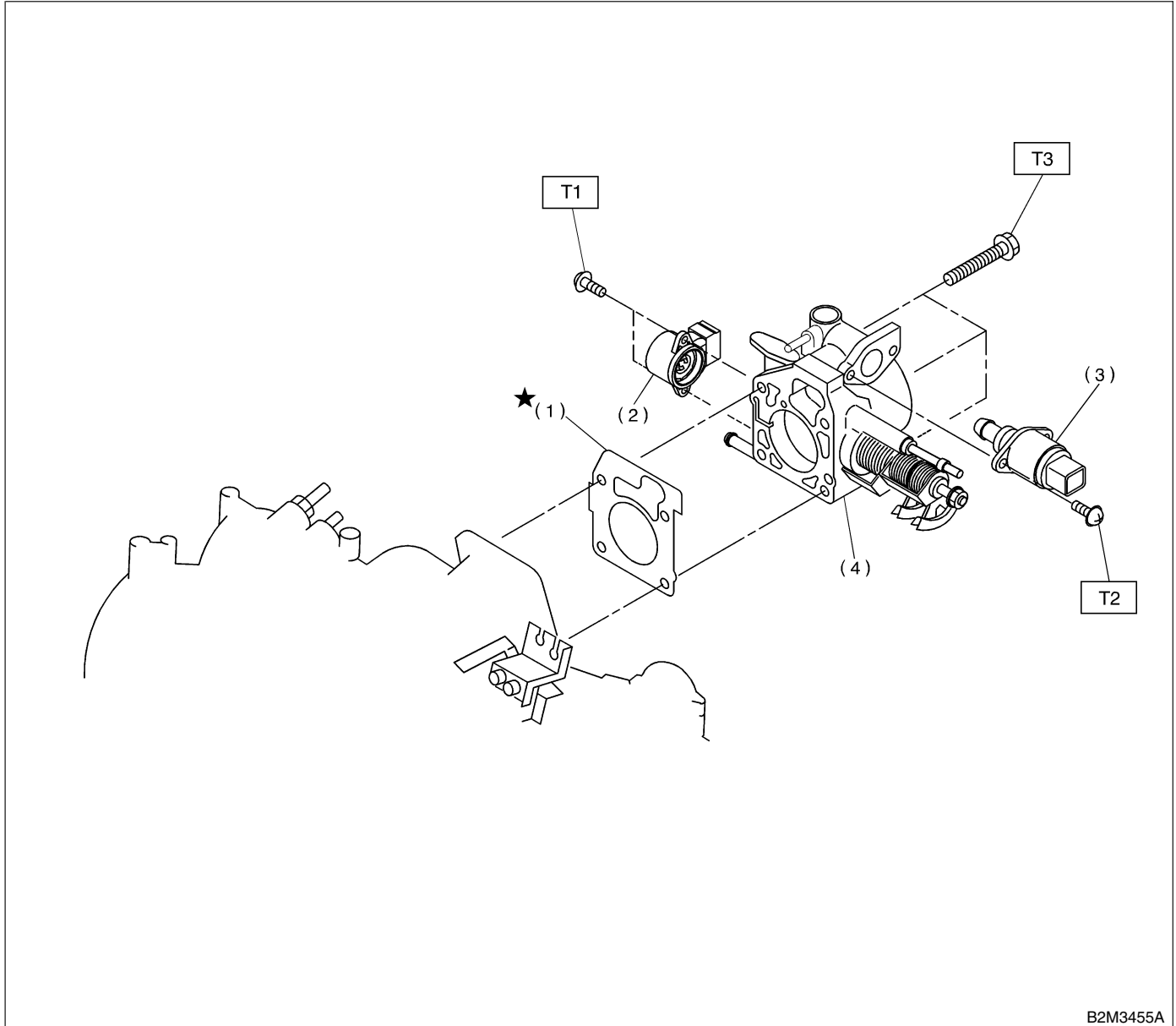
T2: 6.0 (0.61, 4.4)

T3: 22 (2.2, 15.9)

GENERAL DESCRIPTION

Fuel Injection (Fuel Systems)

● 2500 cc models



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

Tightening torque: N·m (kgf-m, ft-lb)

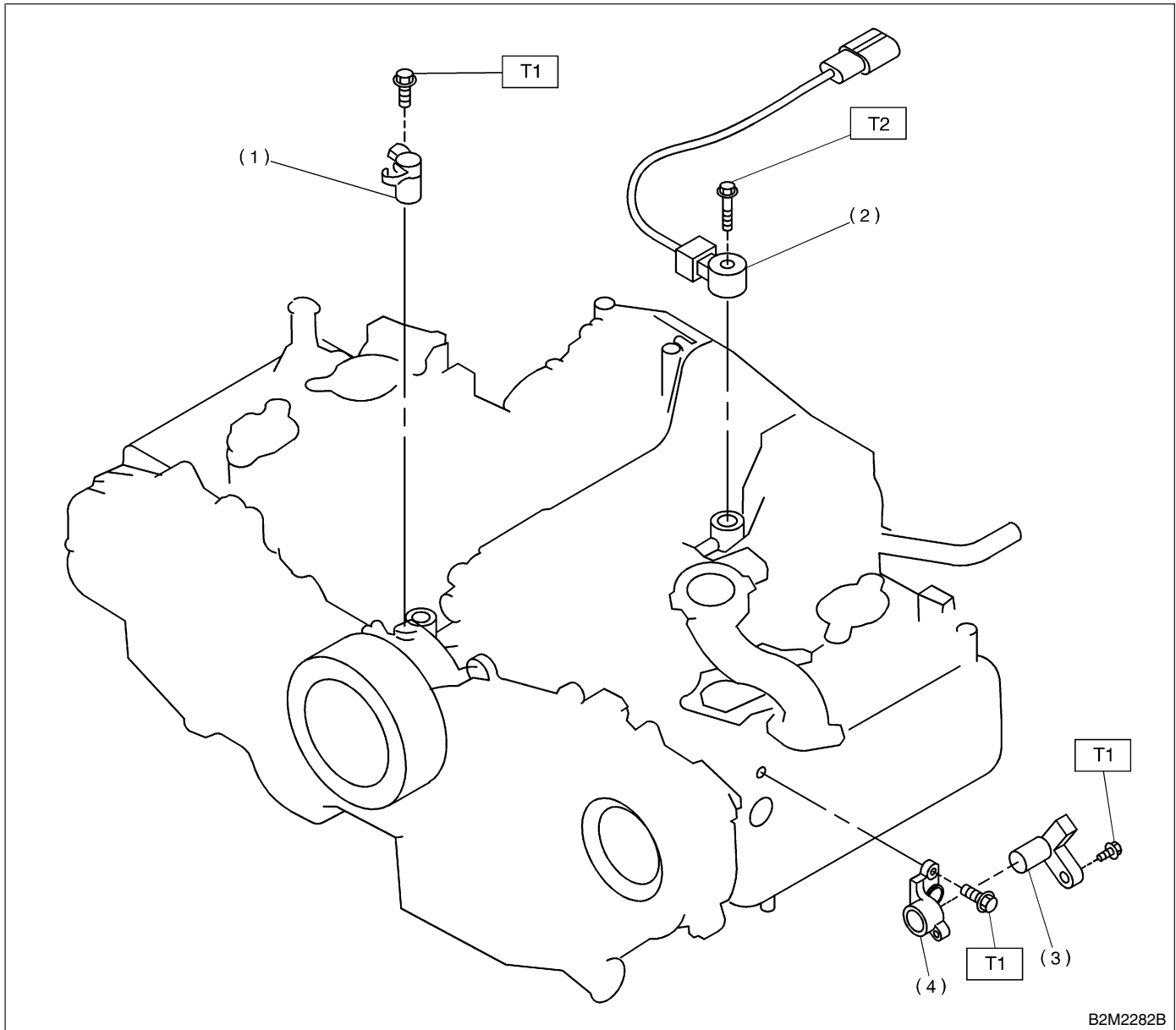
T1: 2.0 (0.2, 1.4)

T2: 6.0 (0.61, 4.4)

T3: 19 (1.9, 13.7)

3. CRANKSHAFT POSITION, CAMSHAFT POSITION AND KNOCK SENSORS

S105001A0503



B2M2282B

(1) Crankshaft position sensor

(2) Knock sensor

(3) Camshaft position sensor

(4) Camshaft position sensor support

Tightening torque: N·m (kgf-m, ft-lb)

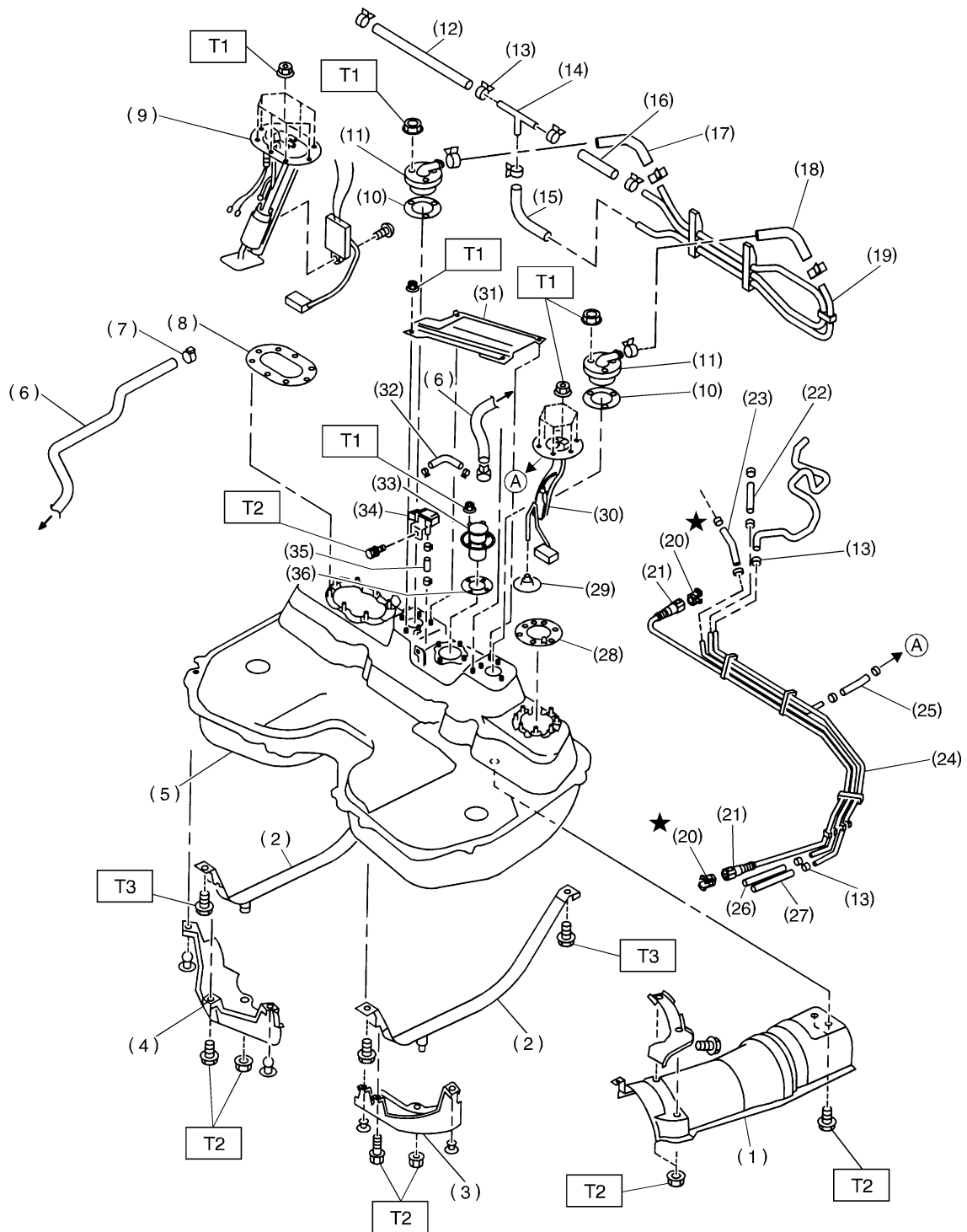
T1: 6.4 (0.65, 4.7)

T2: 23.5 (2.4, 17.4)

GENERAL DESCRIPTION

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4. FUEL TANK S105001A0504



H2M3594A

GENERAL DESCRIPTION

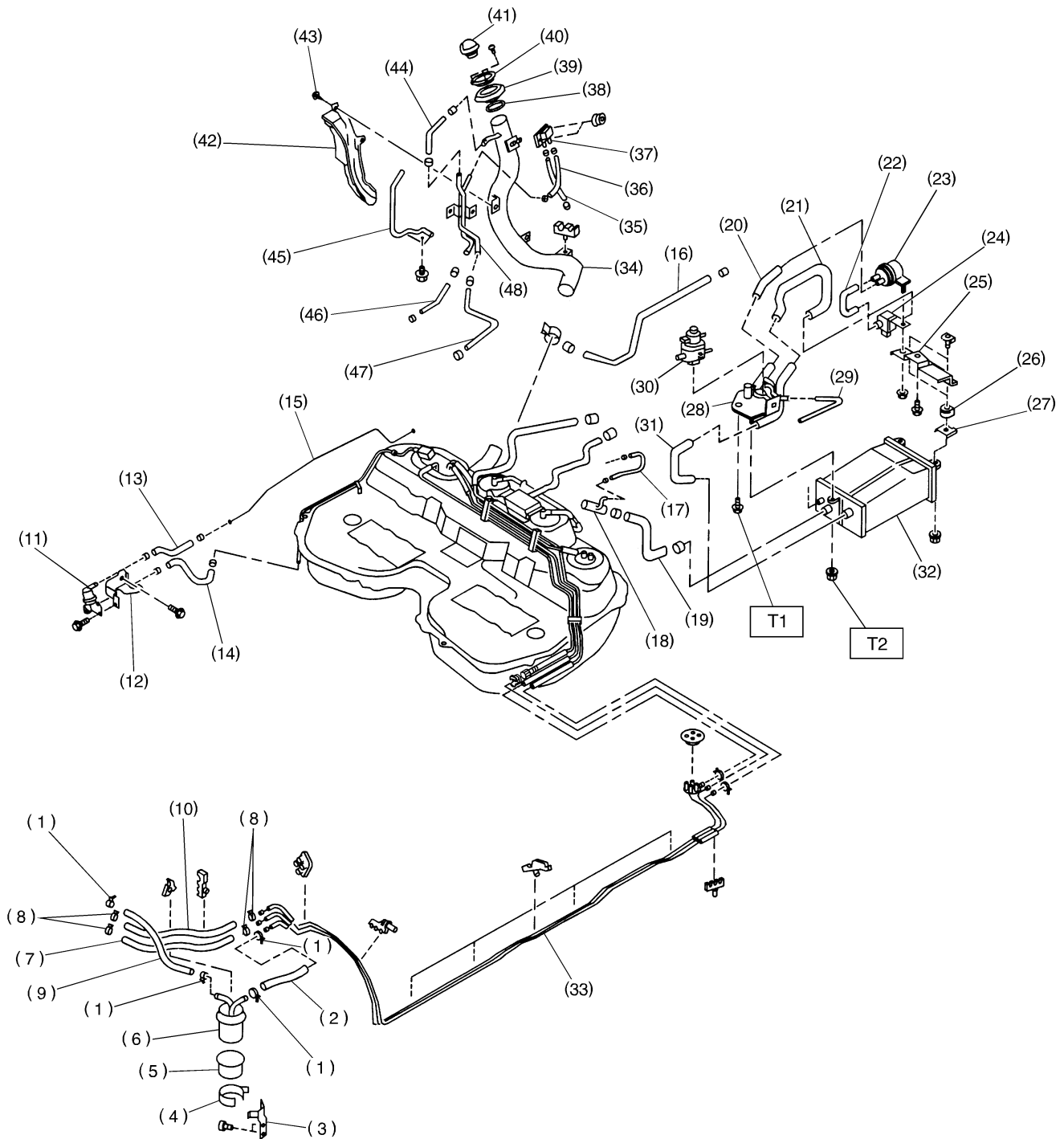
Fuel Injection (Fuel Systems)

(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	<i>Tightening torque: N·m (kgf-m, ft-lb)</i>
(11) Fuel cut valve	(25) Jet pump hose B	<i>T1: 4.4 (0.45, 3.3)</i>
(12) Evaporation hose A	(26) Fuel return hose B	<i>T2: 7.4 (0.75, 5.4)</i>
(13) Clip	(27) Evaporation hose F	<i>T3: 33 (3.4, 25)</i>
(14) Joint pipe	(28) Fuel sub level sensor gasket	

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

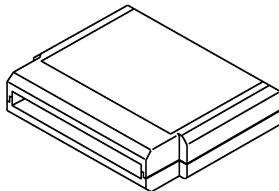

Fuel Injection (Fuel Systems)

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	Troubleshooting for electrical systems. <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)