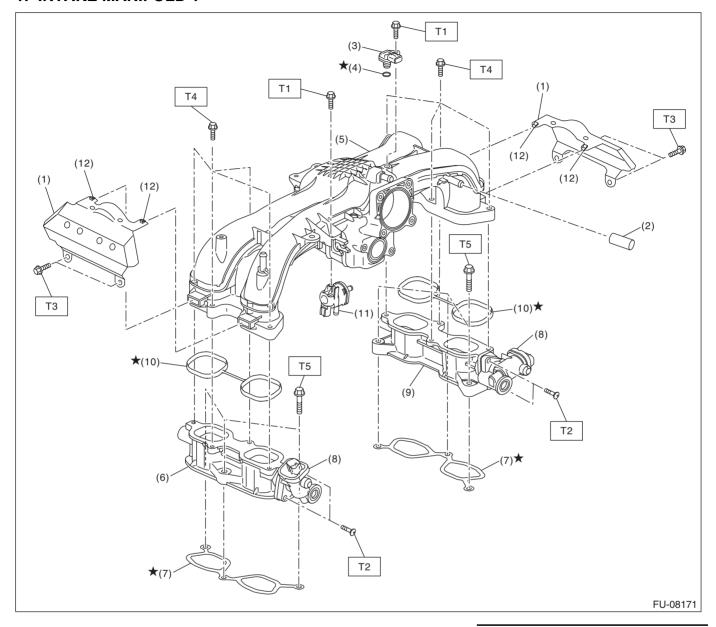
1. General Description

A: SPECIFICATION

Fuel tank	Consoitu	Except for XV model	55 L (14.5 US gal, 12.1 Imp gal)		
	Capacity	XV model	60 L (15.9 US gal, 13.2 Imp gal)		
	Location		Under rear seat		
Fuel pump	Туре		Impeller		
	Shutoff discharge pressure		750 kPa (7.7 kg/cm ² , 108.8 psi), or less		
	Discharge rate		82 L (21.7 US gal, 18 Imp gal)/h or more [12.5 V at 343 kPa (3.5 kg/cm ² , 49.7 psi)]		
Fuel filter			In-tank type		

B: COMPONENT

1. INTAKE MANIFOLD 1



- (1) Intake manifold protector
- (2) Cap
- (3) Manifold absolute pressure sensor
- (4) O-ring
- (5) Intake manifold
- (6) Tumble generator valve LH
- (7) Gasket
- (8) Tumble generator valve actuator
- (9) Tumble generator valve RH
- (10) Gaske
- (11) Purge control solenoid valve
- (12) Cushion

Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 3.4 (0.3, 2.5)

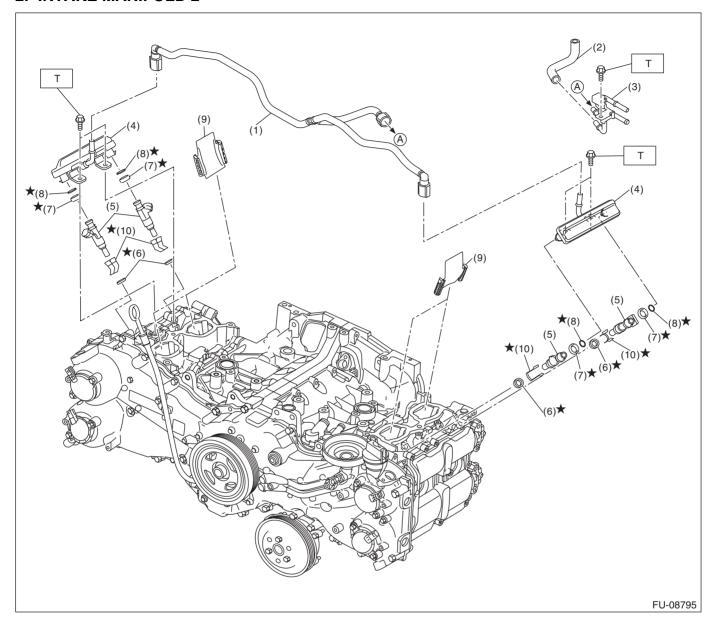
T2: 6 (0.6, 4.4)

T3: 6.4 (0.7, 4.7)

T4: 8.3 (0.8, 6.1)

T5: 25 (2.5, 18.4)

2. INTAKE MANIFOLD 2



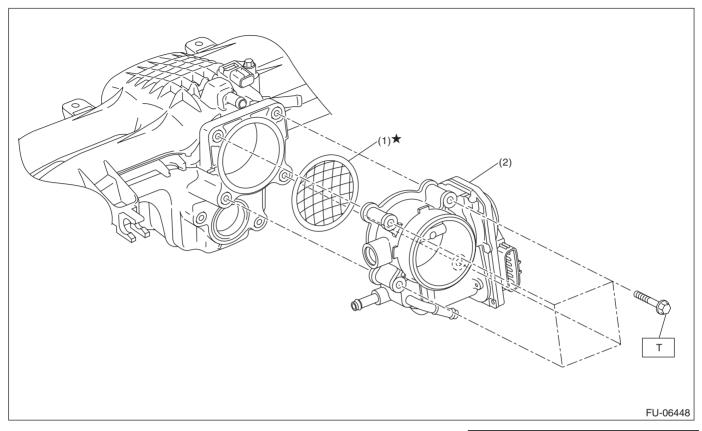
- (1) Fuel delivery pipe
- (2) Vacuum hose
- (3) Fuel pipe A
- (4) Fuel pipe B
- (5) Fuel injector

- (6) Seal ring
- (7) Rubber
- (8) O-ring
- (9) Cylinder head plate
- (10) Fuel injector holder

Tightening torque: N⋅m (kgf-m, ft-lb)

T: 6.4 (0.7, 4.7)

3. THROTTLE BODY

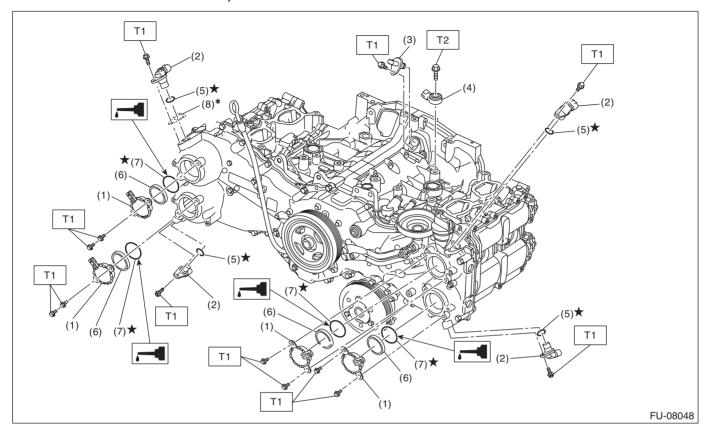


(1) Gasket

(2) Throttle body

Tightening torque: N·m (kgf-m, ft-lb)
T: 8 (0.8, 5.9)

4. CRANKSHAFT POSITION, CAMSHAFT POSITION AND KNOCK SENSORS

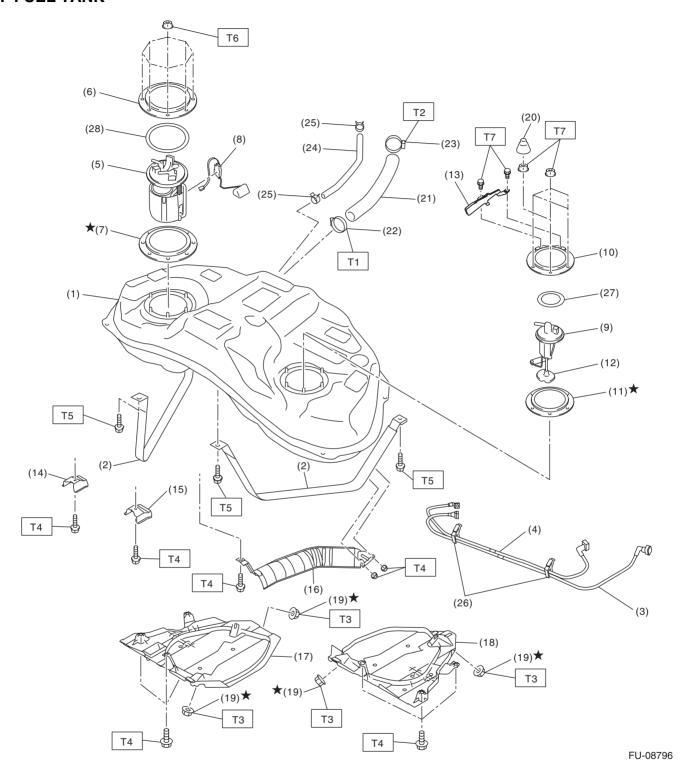


- (1) Oil control solenoid
- (2) Camshaft position sensor
- (3) Crankshaft position sensor
- (4) Knock sensor
- * Zero or one spacer for gap adjustment.
- (5) O-ring
- (6) Back-up ring
- (7) O-ring
- (8) Spacer

Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 6.4 (0.7, 4.7)
T2: 24 (2.4, 17.7)

5. FUEL TANK



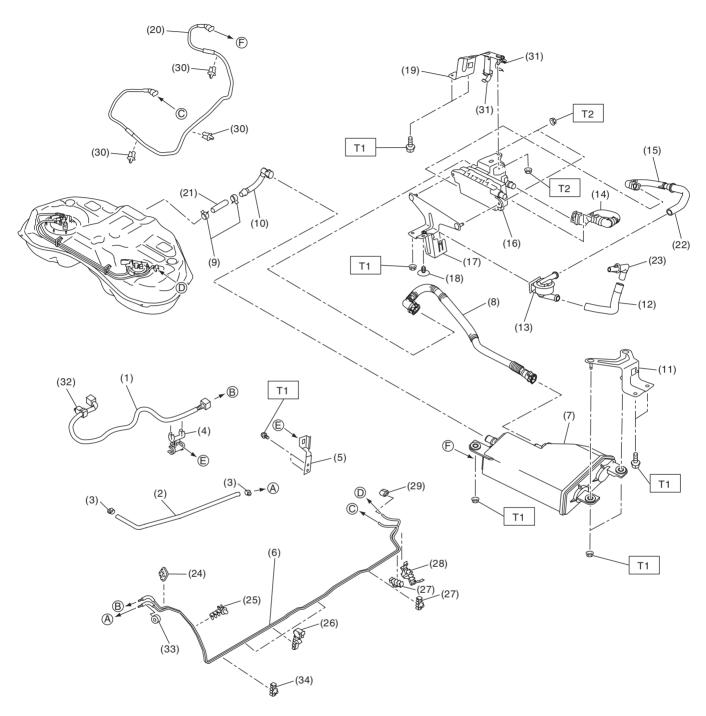
General Description

FUEL INJECTION (FUEL SYSTEMS)

(13) Fuel sub level sensor protector

(1)	Fuel tank	(14)	Stopper RH	(26)	Tube clamp
(2)	Fuel tank band	(15)	Stopper LH	(27)	Fuel sub level sensor upper plate cushion
(3)	Delivery tube	(16)	Heat shield cover	(28)	Fuel pump upper plate cushion
(4)	Jet pump tube	(17)	Fuel tank protector RH		
(5)	Fuel pump ASSY	(18)	Fuel tank protector LH	Tight	ening torque: N⋅m (kgf-m, ft-lb)
(6)	Fuel pump upper plate	(19)	Self-locking nut	T1:	2 (0.2, 1.5)
(7)	Fuel pump gasket	(20)	Rubber cap	T2:	2.5 (0.3, 1.8)
(8)	Fuel level sensor	(21)	Fuel filler hose	T3:	9 (0.9, 6.6)
(9)	Fuel sub level sensor	(22)	Clamp	T4:	18 (1.8, 13.3)
(10)	Fuel sub level sensor upper plate	(23)	Clamp	T5:	33 (3.4, 24.3)
(11)	Fuel sub level sensor gasket	(24)	Air vent hose	Т6:	<ref. fu(h4do(w="" hev))-<br="" o="" to="">141, INSTALLATION, Fuel Pump.></ref.>
(12)	Fuel sub level sensor filter	(25)	Clip	T7:	<ref. fu(h4do(w="" hev))-<br="" o="" to="">150, INSTALLATION, Fuel Sub Level Sensor.></ref.>

6. FUEL LINE



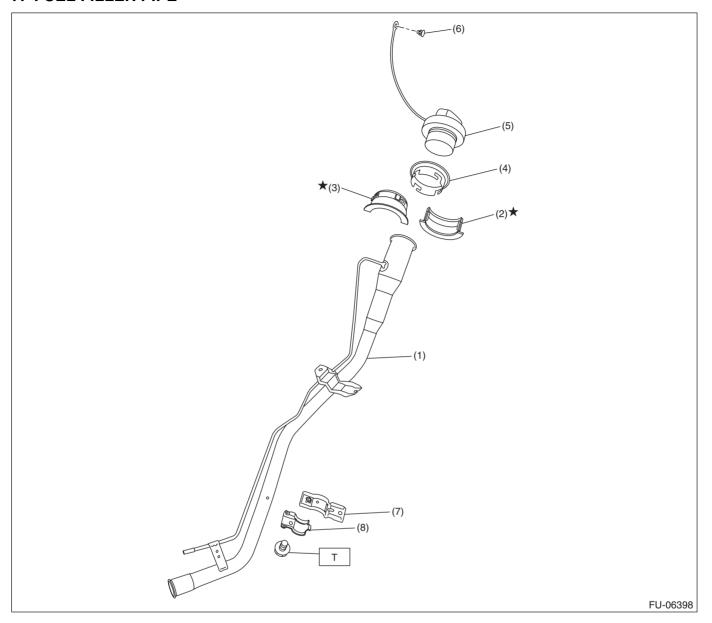
FU-08922

General Description

FUEL INJECTION (FUEL SYSTEMS)

(1)	Fuel delivery tube	(14)	Drain tube B	(27)	Pipe clamp
(2)	Evaporation hose	(15)	Drain tube C	(28)	Pipe clamp
(3)	Clip	(16)	Leak check valve ASSY	(29)	Fuel pipe rear grommet
(4)	Hose clamp	(17)	Leak check valve bracket A	(30)	Pipe clamp
(5)	Hose clamp bracket	(18)	Clip	(31)	Tube clamp
(6)	Fuel pipe ASSY	(19)	Leak check valve bracket B	(32)	Tube clamp
(7)	Canister	(20)	Purge pipe	(33)	Bushing
(8)	Drain tube A	(21)	Vent hose	(34)	Pipe clamp
(9)	Clip	(22)	Drain hose		
(10)	Vent tube	(23)	Connector	Tight	ening torque: N⋅m (kgf-m, ft-lb)
(11)	Canister bracket	(24)	Fuel pipe front grommet	T1:	7.5 (0.8, 5.5)
(12)	Intake hose	(25)	Pipe clamp	T2:	18 (1.8, 13.3)
(13)	Drain separator	(26)	Pipe clamp		

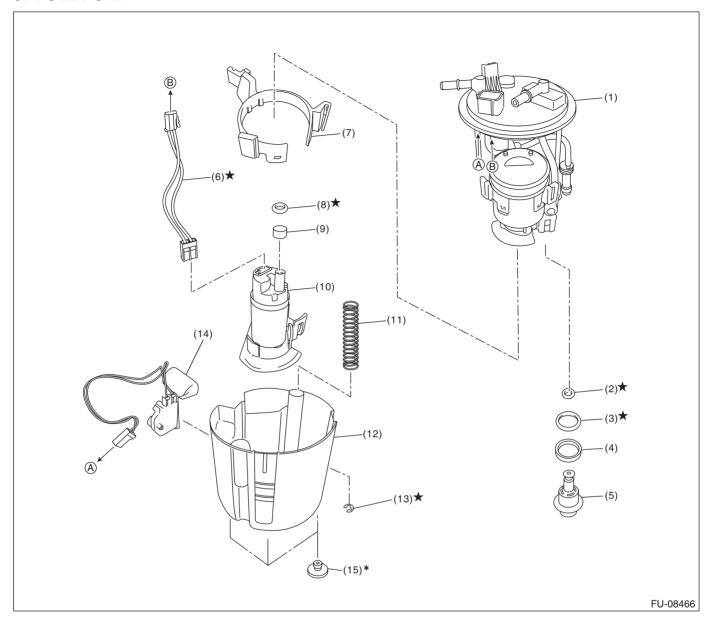
7. FUEL FILLER PIPE



- (1) Fuel filler pipe ASSY
- (2) Neck holder A
- (3) Neck holder B
- (4) Fuel filler pipe protector
- (5) Fuel filler cap
- (6) Clip
- (7) Upper bracket
- (8) Lower bracket

Tightening torque: N⋅m (kgf-m, ft-lb)
T: 7.5 (0.8, 5.5)

8. FUEL PUMP



(2) O-ring

(3) O-ring

(4) Back-up ring

(5) Pressure regulator

(6) Connector cable

(7) Fuel pump holder

(8) O-ring

(9) Spacer

(10) Fuel pump

(11) Spring

(12) Fuel chamber ASSY

(13) Clip

(14) Fuel level sensor

(15) Cushion

^{*} When removing the cushion from the fuel chamber assembly, replace it with a new part.

C: CAUTION

- Prior to starting work, pay special attention to the following:
 - 1. Always wear work clothes, a work cap, and protective shoes. Additionally, wear a helmet, protective goggles, etc. if necessary.
 - 2. Protect the vehicle using a seat cover, fender cover, etc.
 - 3. Prepare the service tools, clean cloth, containers to catch grease and oil, etc.
- Place "NO OPEN FLAMES" signs near the working area.
- Prepare a container and cloth to prevent scattering of fuels when performing work where fuels can be spilled. If the oil spills, wipe it off immediately to prevent from penetrating into floor or flowing out for environmental protection.
- Vehicle components are extremely hot immediately after driving. Be wary of receiving burns from heated parts.
- When performing a repair, identify the cause of trouble and avoid unnecessary removal, disassembly and replacement.
- Before disconnecting connectors of sensors or units, be sure to disconnect the ground cable from battery.
- Always use the jack-up point when the shop jacks or rigid racks are used to support the vehicle.
- Remove contamination including dirt and corrosion before removal, installation, disassembly or assembly.
- Keep the removed parts in order and protect them from dust and dirt.
- All removed parts, if to be reused, should be reinstalled in the original positions with attention to the correct directions, etc.
- Bolts, nuts and washers should be replaced with new parts as required.
- Follow all government and local regulations concerning disposal of refuse when disposing fuel.

D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	18471AA000	FUEL PIPE ADAPTER	Used for draining fuel.
ST18471AA000			
	1B022XU0	SUBARU SELECT MONITOR III KIT	Used for setting of each function and trouble-shooting for electrical system. NOTE: For detailed operation procedures of Subaru Select Monitor III, refer to "PC application help for Subaru Select Monitor".
ST1B022XU0			

2. GENERAL TOOL

TOOL NAME	REMARKS
Circuit tester	Used for measuring resistance and voltage.
Oscilloscope	Used for inspecting the waveform of each sensor.
Mighty Vac	Used for inspecting the manifold absolute pressure sensor.