

### 14. Oil Flow Control Solenoid Valve

#### A: REMOVAL

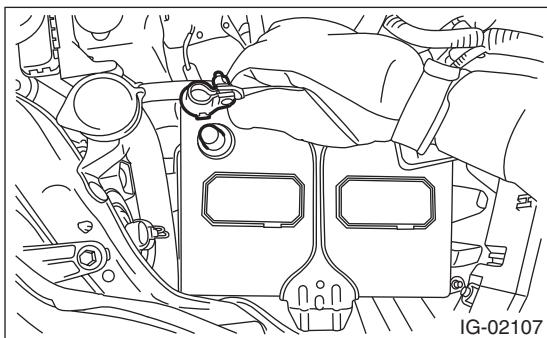
##### 1. INTAKE SIDE

Oil flow control solenoid valve is a unit with front camshaft cap.  
Refer to "Camshaft" for the removal procedure.

<Ref. to ME(H4DOTC)-62, REMOVAL, Cam-shaft. >

##### 2. EXHAUST SIDE

1) Disconnect the ground cable from battery.



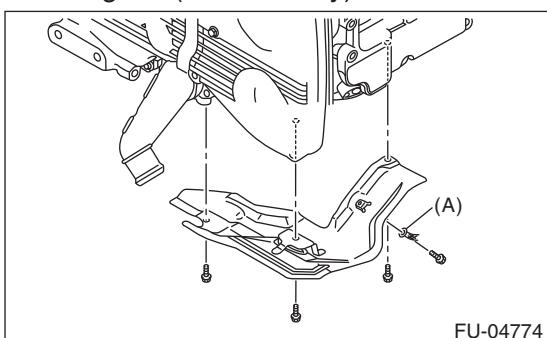
IG-02107

2) Lift up the vehicle.

3) Remove the under cover. <Ref. to EI-35, REMOVAL, Front Under Cover. >

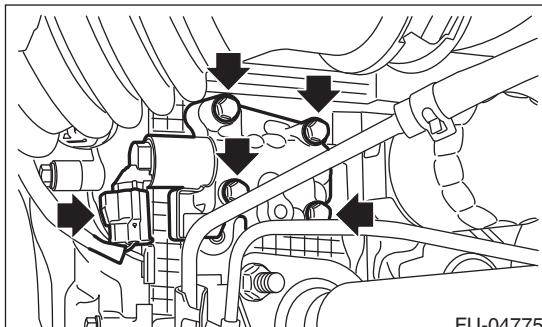
4) Remove the center exhaust pipe. (LH side only)  
<Ref. to EX(H4DOTC)-12, REMOVAL, Center Exhaust Pipe. >

5) Remove ground cable (A) from the engine harness cover, and remove the engine harness cover from the engine. (LH side only)



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6) Disconnect the connector from the oil flow control solenoid valve, and remove the oil flow control solenoid valve from the cylinder head.



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#### B: INSTALLATION

##### 1. INTAKE SIDE

Refer to "Camshaft" for installation procedure.  
<Ref. to ME(H4DOTC)-65, INSTALLATION, Cam-shaft. >

##### 2. EXHAUST SIDE

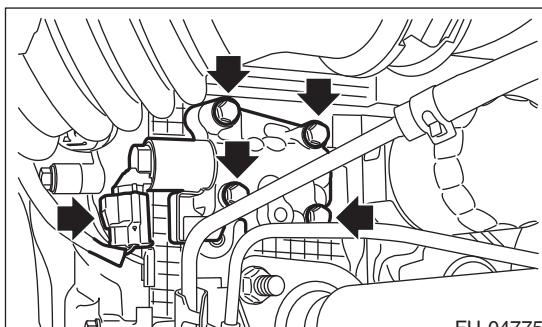
Install in the reverse order of removal.

NOTE:

Use a new gasket.

**Tightening torque:**

**10 N·m (1.0 kgf-m, 7.4 ft-lb)**

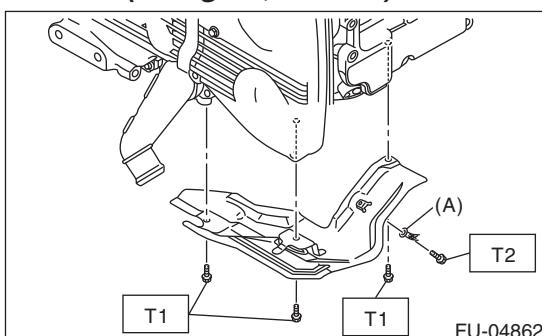


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**Tightening torque:**

**T1: 6.4 N·m (0.7 kgf-m, 4.7 ft-lb)**

**T2: 7 N·m (0.7 kgf-m, 5.2 ft-lb)**



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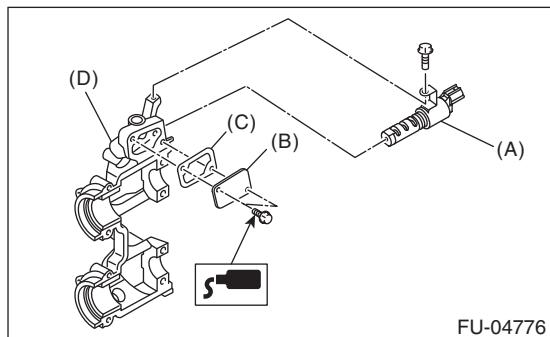
# Oil Flow Control Solenoid Valve

## FUEL INJECTION (FUEL SYSTEMS)

### C: DISASSEMBLY

#### 1. INTAKE SIDE

- 1) Remove the two bolts which secure the oil return cover, and remove the oil return cover and gasket.
- 2) Remove the bolt which secures the oil flow control solenoid valve and remove the oil flow control solenoid valve.



- (A) Oil flow control solenoid valve
- (B) Oil return cover
- (C) Gasket
- (D) Front camshaft cap

#### 2. EXHAUST SIDE

The oil flow control solenoid valve on exhaust side cannot be disassembled.

### D: ASSEMBLY

#### 1. INTAKE SIDE

- 1) Install the oil flow control solenoid valve.

##### *Tightening torque:*

**6.4 N·m (0.7 kgf-m, 4.7 ft-lb)**

- 2) Apply liquid gasket to the two bolts which secure the oil return cover.

##### *Liquid gasket:*

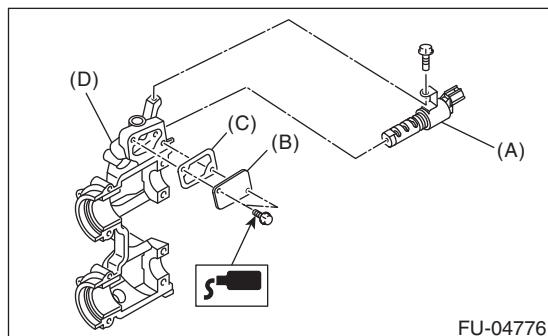
**THREE BOND 1324 (Part No. 004403042) or equivalent**

- 3) Install the oil return cover and gasket.

##### NOTE:

Use a new gasket.

**Tightening torque:**  
**9 N·m (0.9 kgf-m, 6.6 ft-lb)**



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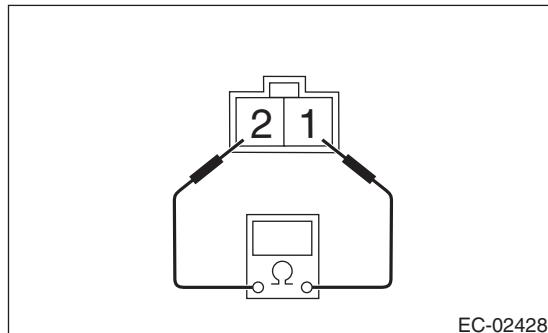
- (A) Oil flow control solenoid valve
- (B) Oil return cover
- (C) Gasket
- (D) Front camshaft cap

#### 2. EXHAUST SIDE

The oil flow control solenoid valve on exhaust side cannot be disassembled.

### E: INSPECTION

- 1) Check that the oil flow control solenoid valve has no deformation, cracks or other damages.
- 2) Measure the resistance between the oil flow control solenoid valve terminals.



EC-02428

Terminal No.	Standard
1 and 2	$7.4 \pm 0.5 \Omega$ (when 20°C (68°F))