

Oil Flow Control Solenoid Valve

FUEL INJECTION (FUEL SYSTEMS)

14. Oil Flow Control Solenoid Valve

A: REMOVAL

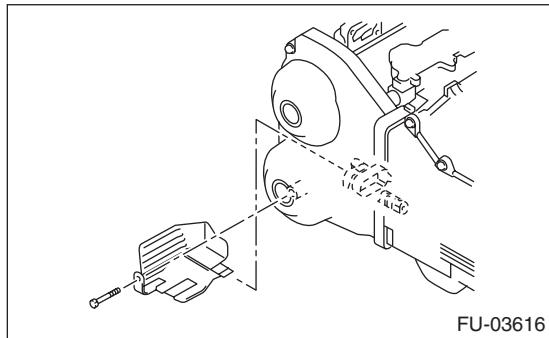
1. INTAKE SIDE

Oil flow control solenoid valve is a unit with front camshaft cap.

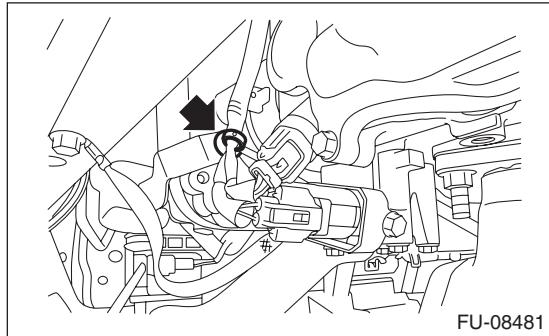
Refer to "Camshaft" for removal procedures. <Ref. to ME(STI)-62, REMOVAL, Camshaft.>

2. EXHAUST SIDE

- 1) Disconnect the ground cable from battery.
- 2) Lift up the vehicle.
- 3) Remove the under cover. <Ref. to EI-21, REMOVAL, Front Under Cover.>
- 4) Remove the front exhaust pipe. (right side only.)
<Ref. to EX(STI)-5, REMOVAL, Front Exhaust Pipe.>
- 5) Remove the engine harness cover. (right side only.)

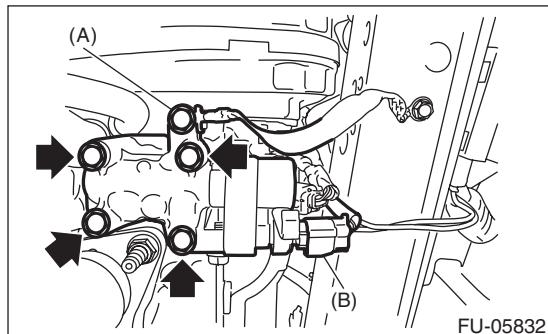


- 6) Remove the clip holding the engine harness. (Left side only)



- 7) Disconnect the ground cable (A). (Left side only)

- 8) Disconnect the connector (B) from the oil flow control solenoid valve, and remove the oil flow control solenoid valve from the cylinder head.



B: INSTALLATION

1. INTAKE SIDE

Refer to "Camshaft" for installation procedure.
<Ref. to ME(STI)-64, INSTALLATION, Camshaft.>

2. EXHAUST SIDE

Install in the reverse order of removal.

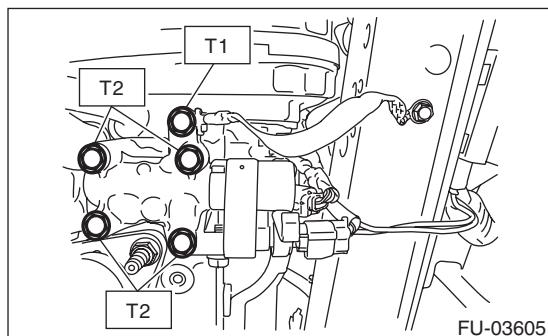
NOTE:

Use a new gasket.

Tightening torque:

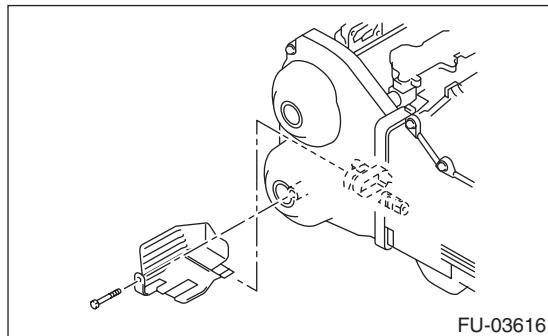
T1: 7.5 N·m (0.8 kgf-m, 5.5 ft-lb)

T2: 10 N·m (1.0 kgf-m, 7.4 ft-lb)



Tightening torque:

5 N·m (0.5 kgf-m, 3.7 ft-lb)

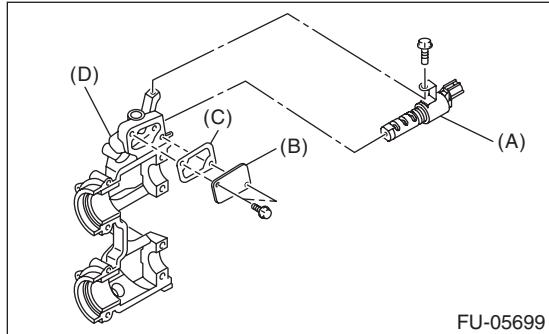


C: DISASSEMBLY

1. INTAKE SIDE

1) Remove the two mounting bolts securing oil return cover, and remove the oil return cover and gasket.

2) Remove the bolt securing 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 the 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 securing oil return cover.

Liquid gasket:

THREE BOND 1324 (Part No. 004403042) or equivalent

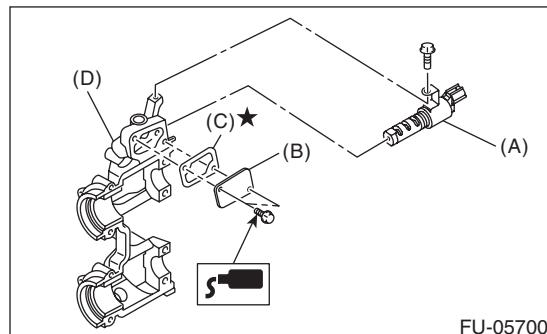
3) Attach the oil return cover and gasket.

Tightening torque:

9 N·m (0.9 kgf-m, 6.6 ft-lb)

NOTE:

Use a new gasket.



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

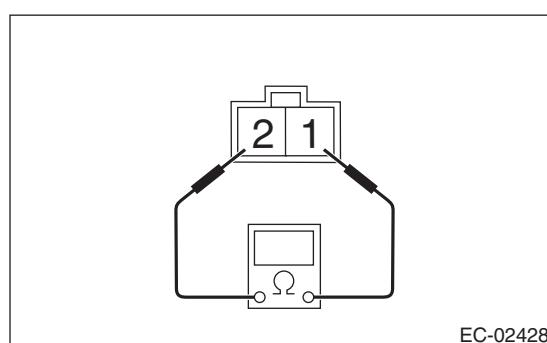
2. EXHAUST SIDE

The oil flow control solenoid valve on the 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.



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