

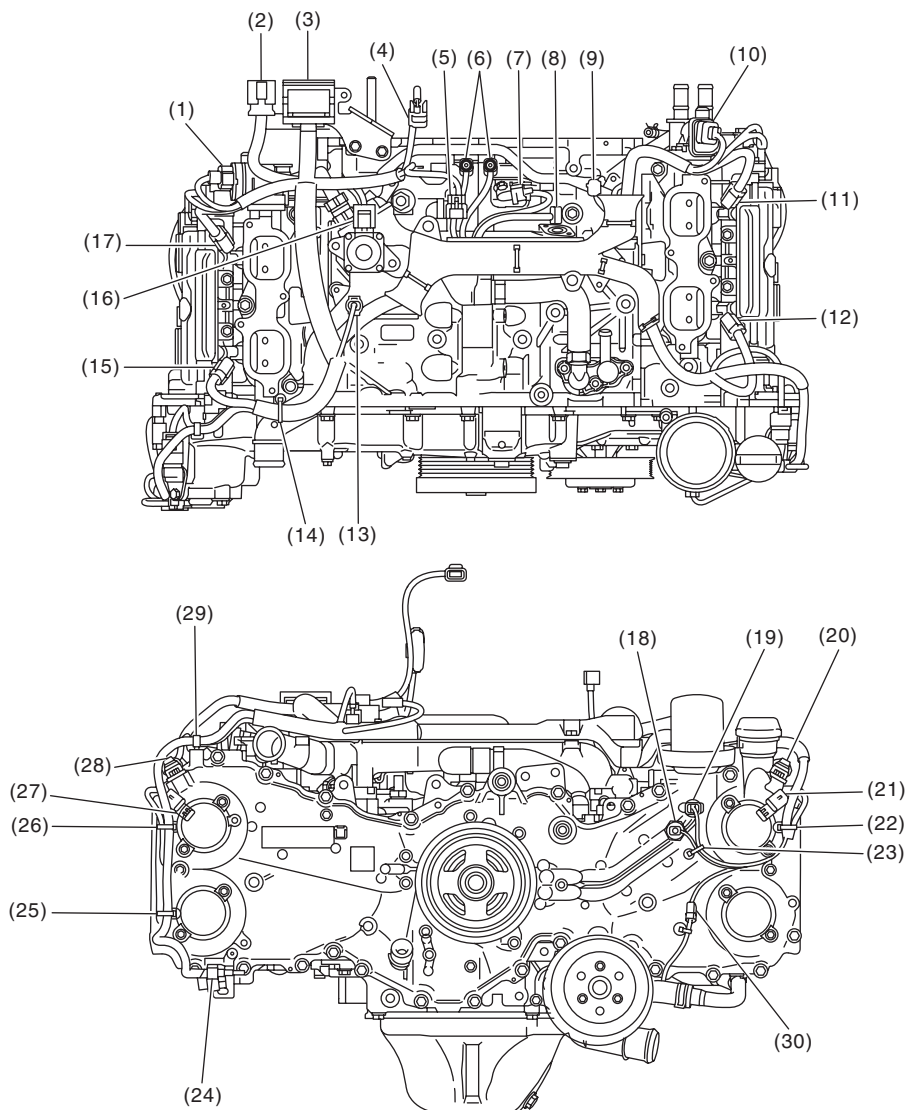
# Engine Wiring Harness

FUEL INJECTION (FUEL SYSTEMS)

## 4. Engine Wiring Harness

### A: REMOVAL

- 1) Release the fuel pressure. <Ref. to FU(H4DO)-106, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
  - 2) Disconnect the ground cable from battery.
  - 3) Open the fuel filler lid and remove the fuel filler cap.
  - 4) Remove the intake manifold. <Ref. to FU(H4DO)-19, REMOVAL, Intake Manifold.>
  - 5) Disconnect the connector from the engine.
- Structural diagram 1



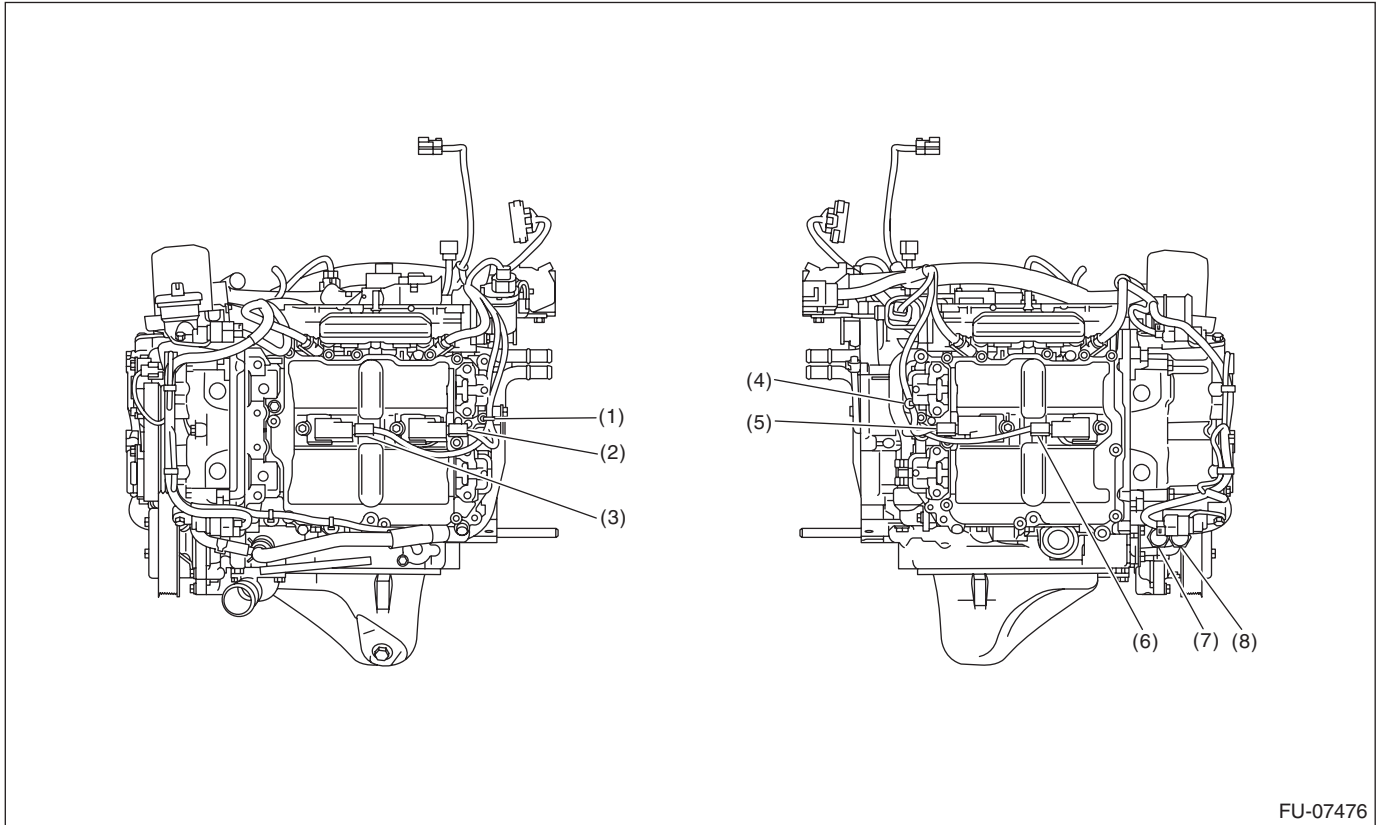
FU-07875

- (1) Tumble generator valve actuator RH
- (2) Engine harness connector (16P)
- (3) Engine harness connector (54P)
- (4) Throttle position sensor connector
- (5) Manifold pressure sensor connector
- (6) Engine ground (2 locations)
- (7) Crankshaft position sensor
- (8) Knock sensor
- (9) Purge control solenoid valve connector
- (10) Tumble generator valve actuator LH
- (11) Fuel injector (#4)
- (12) Fuel injector (#2)
- (13) Engine coolant temperature sensor
- (14) Remove the clip from the screw hole.
- (15) Fuel injector (#1)
- (16) EGR valve
- (17) Fuel injector (#3)
- (18) Oil pressure switch
- (19) Engine oil temperature sensor
- (20) Camshaft position sensor LH
- (21) Intake oil control solenoid LH
- (22) Remove the clip from the screw hole.
- (23) Remove the clip from the screw hole.
- (24) Remove the clip from the oval hole.
- (25) Remove the clip from the screw hole.
- (26) Remove the clip from the screw hole.
- (27) Intake oil control solenoid RH
- (28) Camshaft position sensor RH
- (29) Remove the clip from the screw hole.
- (30) Oil level switch

# Engine Wiring Harness

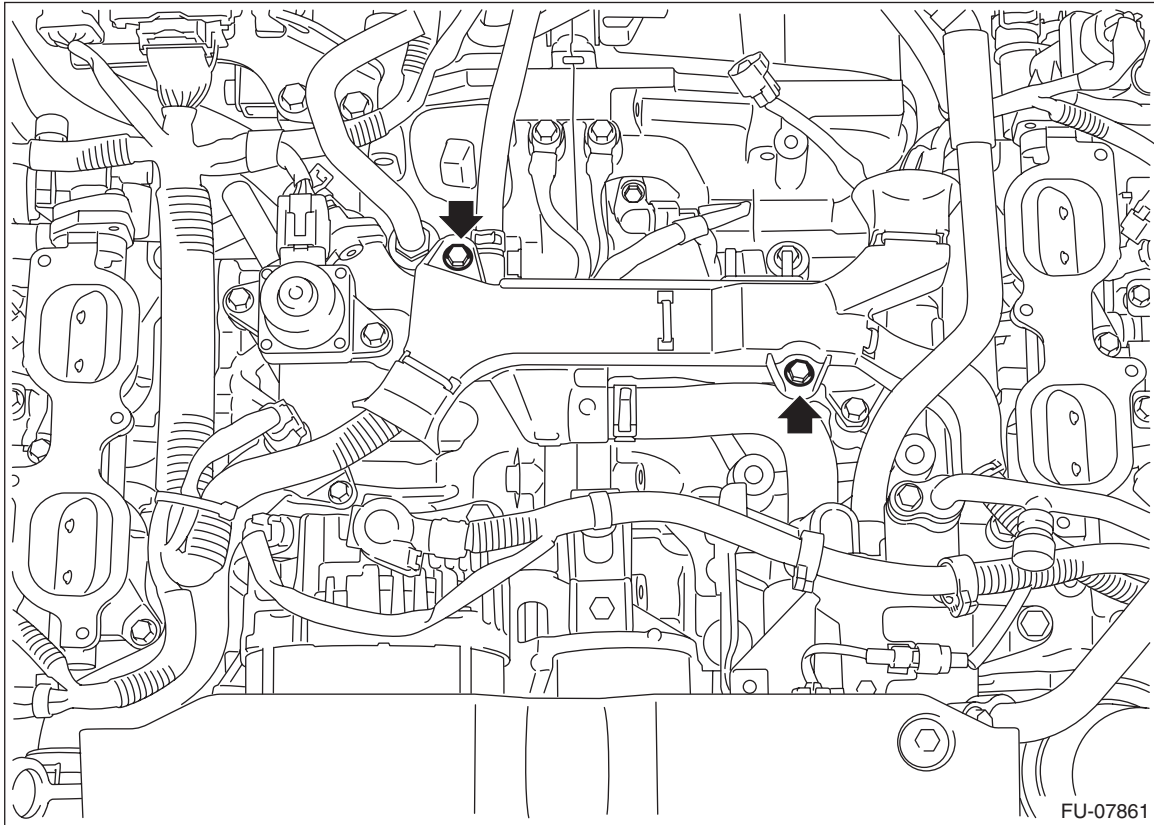
## FUEL INJECTION (FUEL SYSTEMS)

- Structural diagram 2



- (1) Remove the clip from the screw hole.
- (2) Ignition coil No. 4
- (3) Ignition coil No. 2
- (4) Remove the clip from the screw hole.
- (5) Ignition coil No. 3
- (6) Ignition coil No. 1
- (7) Front oxygen (A/F) sensor
- (8) Rear oxygen sensor

6) Remove the engine wiring harness.



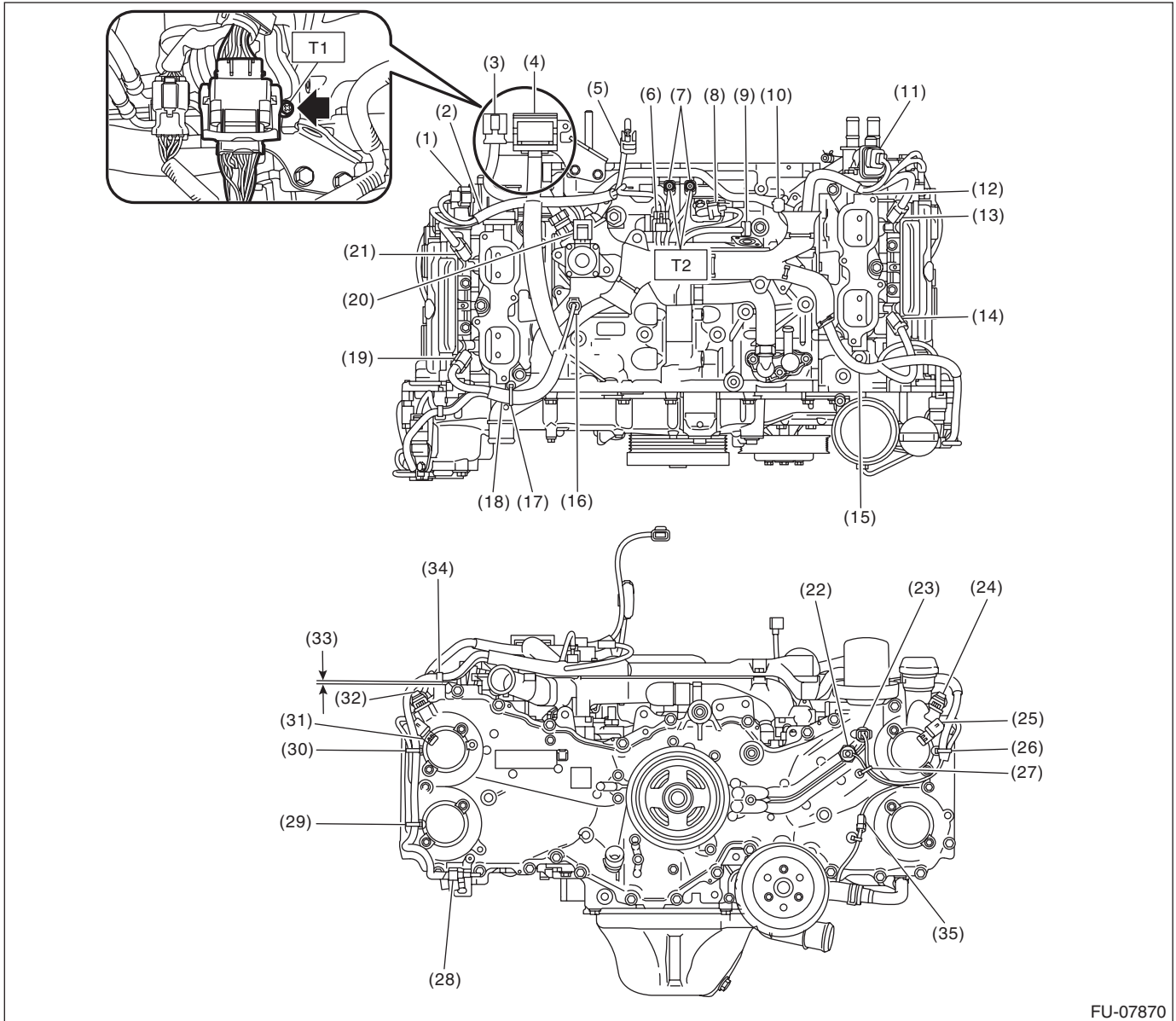
# Engine Wiring Harness

FUEL INJECTION (FUEL SYSTEMS)

## B: INSTALLATION

1) Route the engine wiring harness around the engine and connect connectors.

- Structural diagram 1



FU-07870

- (1) Tumble generator valve actuator RH
- (2) Be careful of pinching when installing the intake manifold.
- (3) Engine harness connector (16P)
- (4) Engine harness connector (54P)
- (5) Throttle position sensor connector
- (6) Manifold pressure sensor connector
- (7) Engine ground (2 locations)
- (8) Crankshaft position sensor
- (9) Knock sensor
- (10) Purge control solenoid valve connector
- (11) Tumble generator valve actuator LH
- (12) Be careful of pinching when installing the intake manifold.
- (13) Fuel injector (#4)
- (14) Fuel injector (#2)
- (15) Be careful of pinching when installing the intake manifold and A/C bracket.
- (16) Engine coolant temperature sensor
- (17) Secure the clip to the screw hole.
- (18) Be careful of pinching when installing the intake manifold.
- (19) Fuel injector (#1)
- (20) EGR valve
- (21) Fuel injector (#3)
- (22) Oil pressure switch
- (23) Engine oil temperature sensor
- (24) Camshaft position sensor LH
- (25) Intake oil control solenoid LH
- (26) Secure the clip to the screw hole.
- (27) Secure the clip to the screw hole.
- (28) Secure the clip to the oval hole.
- (29) Secure the clip to the screw hole.
- (30) Secure the clip to the screw hole.
- (31) Intake oil control solenoid RH
- (32) Camshaft position sensor RH
- (33) Maximum of 0 — 2 mm (0 — 0.079 in) gap is allowed.
- (34) Secure the clip to the screw hole.
- (35) Oil level switch

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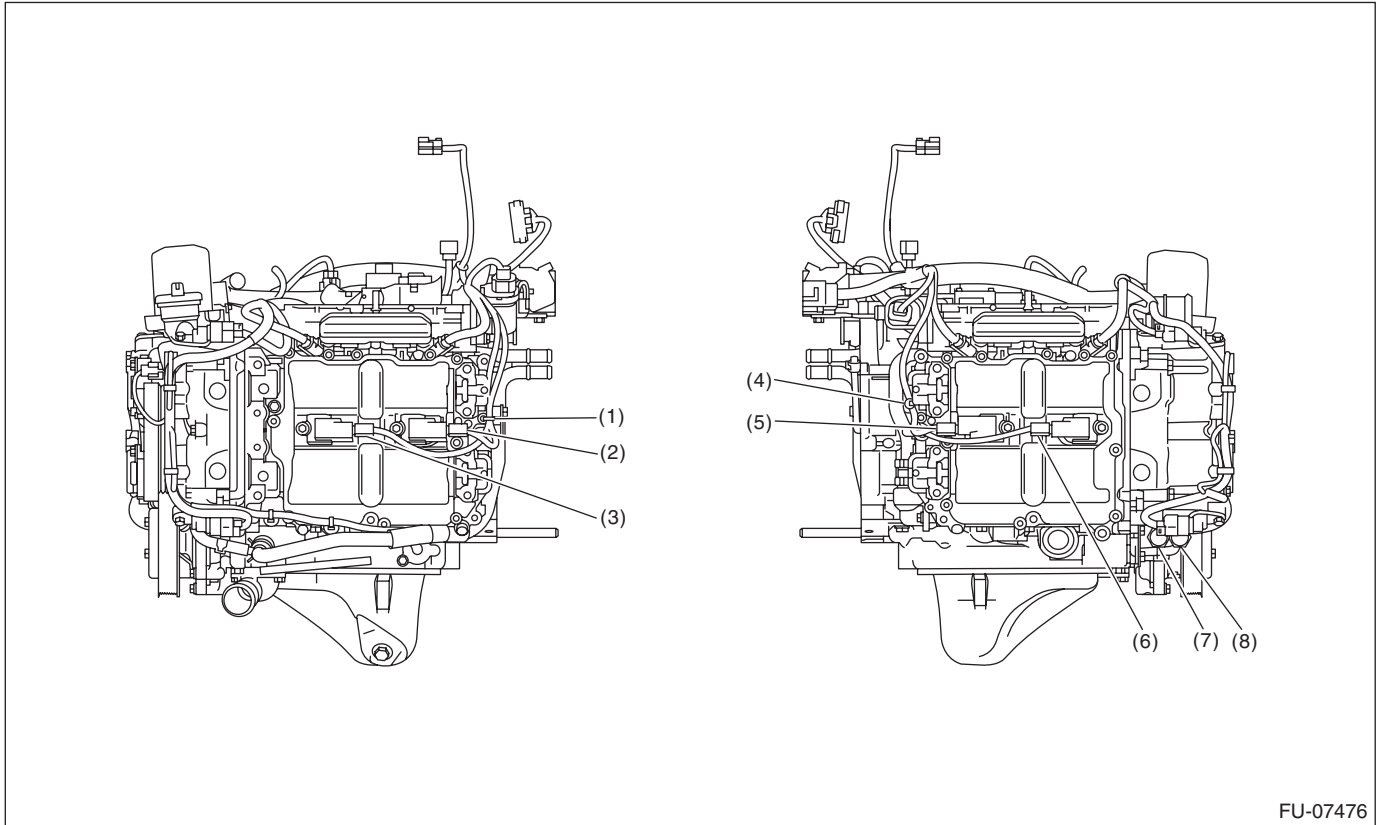
***Tightening torque: N·m (kgf-m, ft-lb)******T1: 7.5 (0.8, 5.5)******T2: 19 (1.9, 14.0)***

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# Engine Wiring Harness

## FUEL INJECTION (FUEL SYSTEMS)

- Structural diagram 2



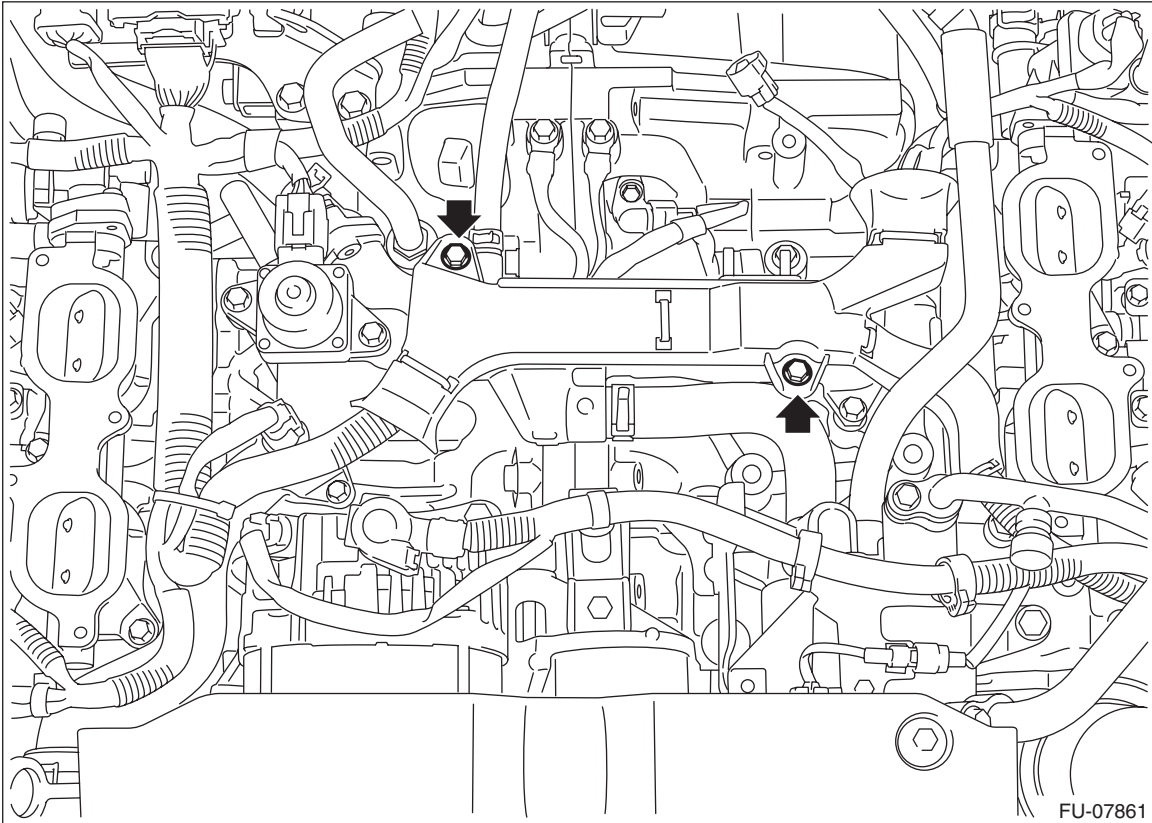
FU-07476

- (1) Secure the clip to the screw hole.
- (2) Ignition coil No. 4
- (3) Ignition coil No. 2
- (4) Secure the clip to the screw hole.
- (5) Ignition coil No. 3
- (6) Ignition coil No. 1
- (7) Front oxygen (A/F) sensor
- (8) Rear oxygen sensor

2) Install the engine wiring harness.

**Tightening torque:**

**6.4 N·m (0.7 kgf-m, 4.7 ft-lb)**



3) Install the intake manifold. <Ref. to FU(H4DO)-29, INSTALLATION, Intake Manifold.>

4) Connect the battery ground terminal.

### **C: INSPECTION**

- 1) Check that the engine wiring harness does not have deformation, cracks and any other damage.
- 2) Check the engine wiring harness for contamination or clogging.