

## REMOVAL

### 1. REMOVE ENGINE UNDER COVER

Remove the 4 bolts and remove the engine under cover.

### 2. REMOVE VACUUM PUMP

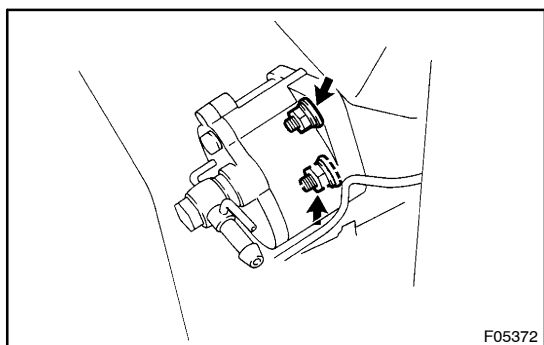
- (a) Remove the mounting bolt, 2 union bolts, 4 gaskets and oil tube from the vacuum pump and engine.

#### Torque:

**Union bolt: 14 N·m ( 140 kgf·cm, 10 ft·lbf)**

**Mounting bolt: 20 N·m (200 kgf·cm, 14 ft·lbf)**

- (b) Using pliers, disconnect the 2 hoses from the vacuum pump.



- (c) Remove the 2 nuts and pump from the engine.

**Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)**

- (d) Remove the O-ring.