

# Tumble Generator Valve Actuator

FUEL INJECTION (FUEL SYSTEMS)

## 17. Tumble Generator Valve Actuator

### A: REMOVAL

1) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

NOTE:

For the 12 volt engine restart battery, disconnect the ground terminal from 12V engine restart battery sensor.

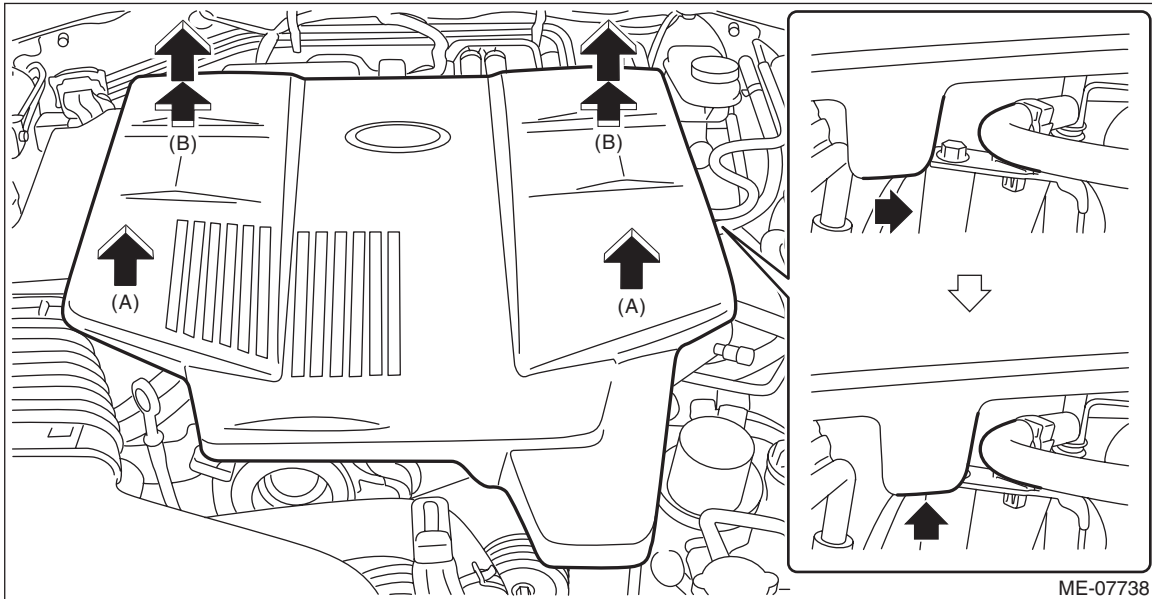
2) Remove the collector cover.

(1) Carefully pull up the front of collector cover at two positions (A).

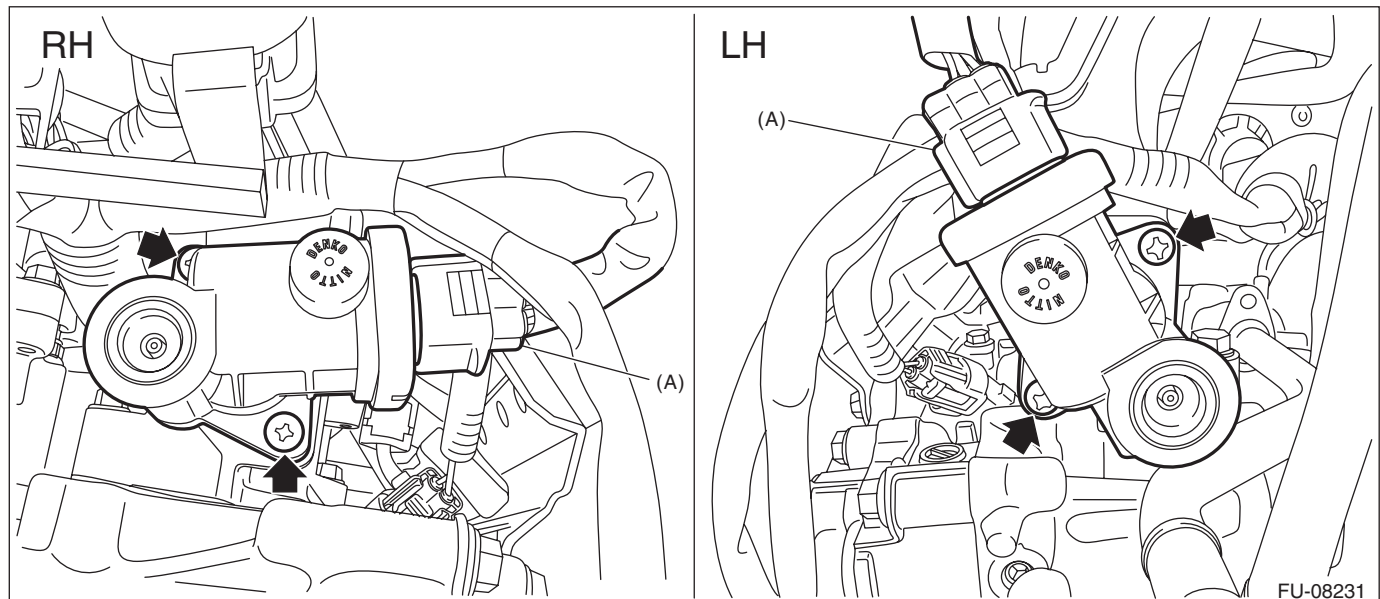
(2) Carefully pull up the rear of collector cover at two positions (B) while moving it backward.

NOTE:

Be careful not to contact the fuel delivery tube when moving the collector cover rearward.



3) Disconnect the connector (A) from tumble generator valve assembly, and remove the tumble generator valve actuator.



## B: INSTALLATION

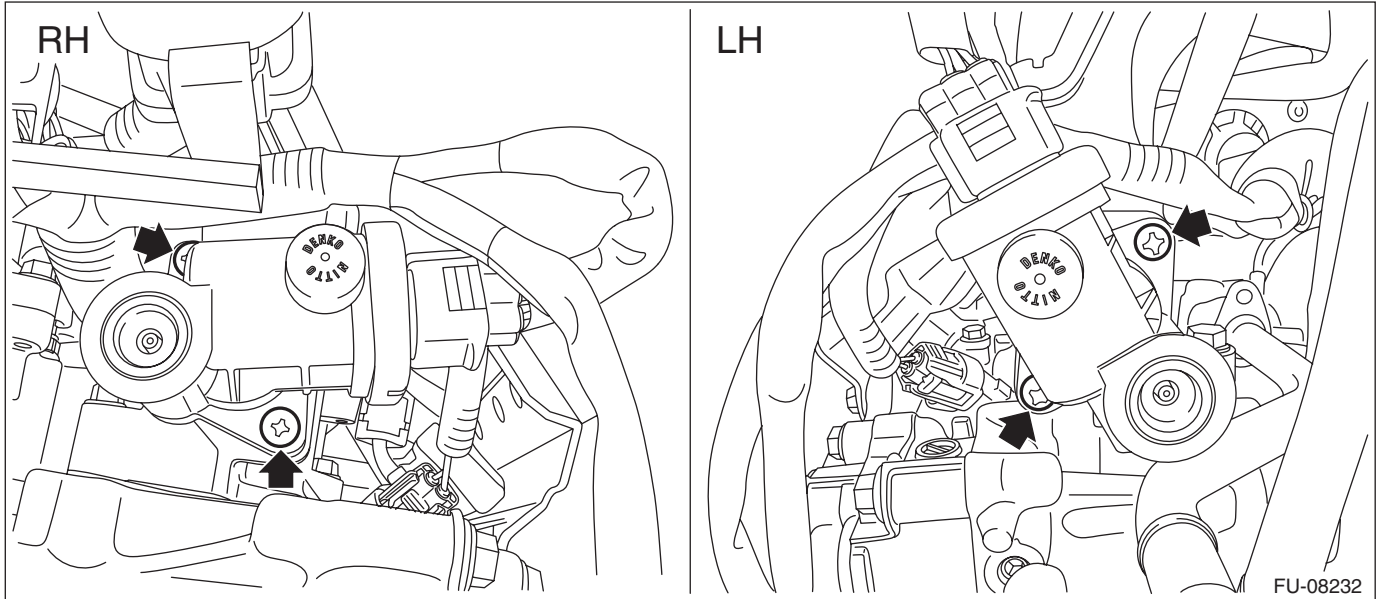
Install in the reverse order of removal.

### NOTE:

Use a new gasket.

### *Tightening torque:*

**6 N·m (0.6 kgf-m, 4.4 ft-lb)**



## C: INSPECTION

- 1) Check that the tumble generator valve actuator has no deformation, cracks or other damages.
- 2) Check tumble generator valve actuator for contamination or clogging.