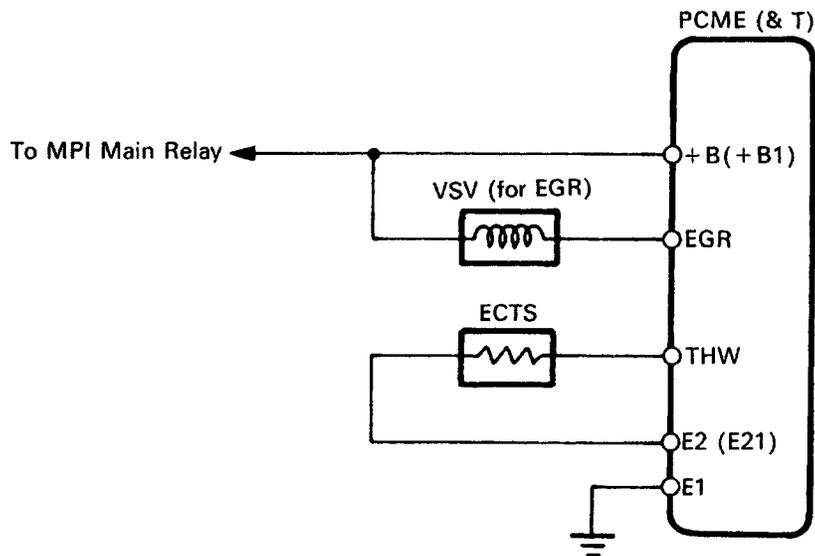
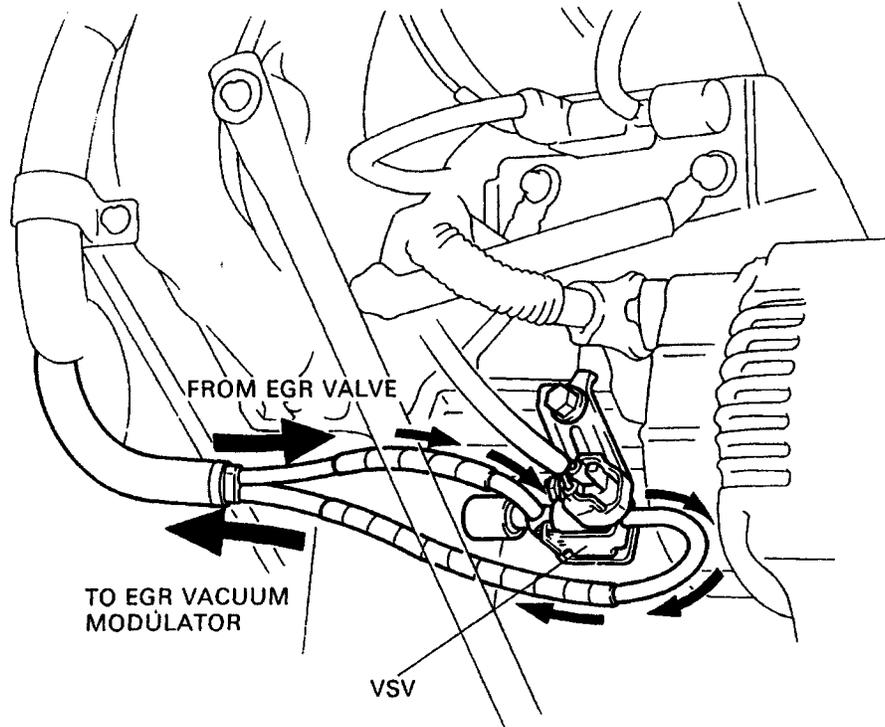


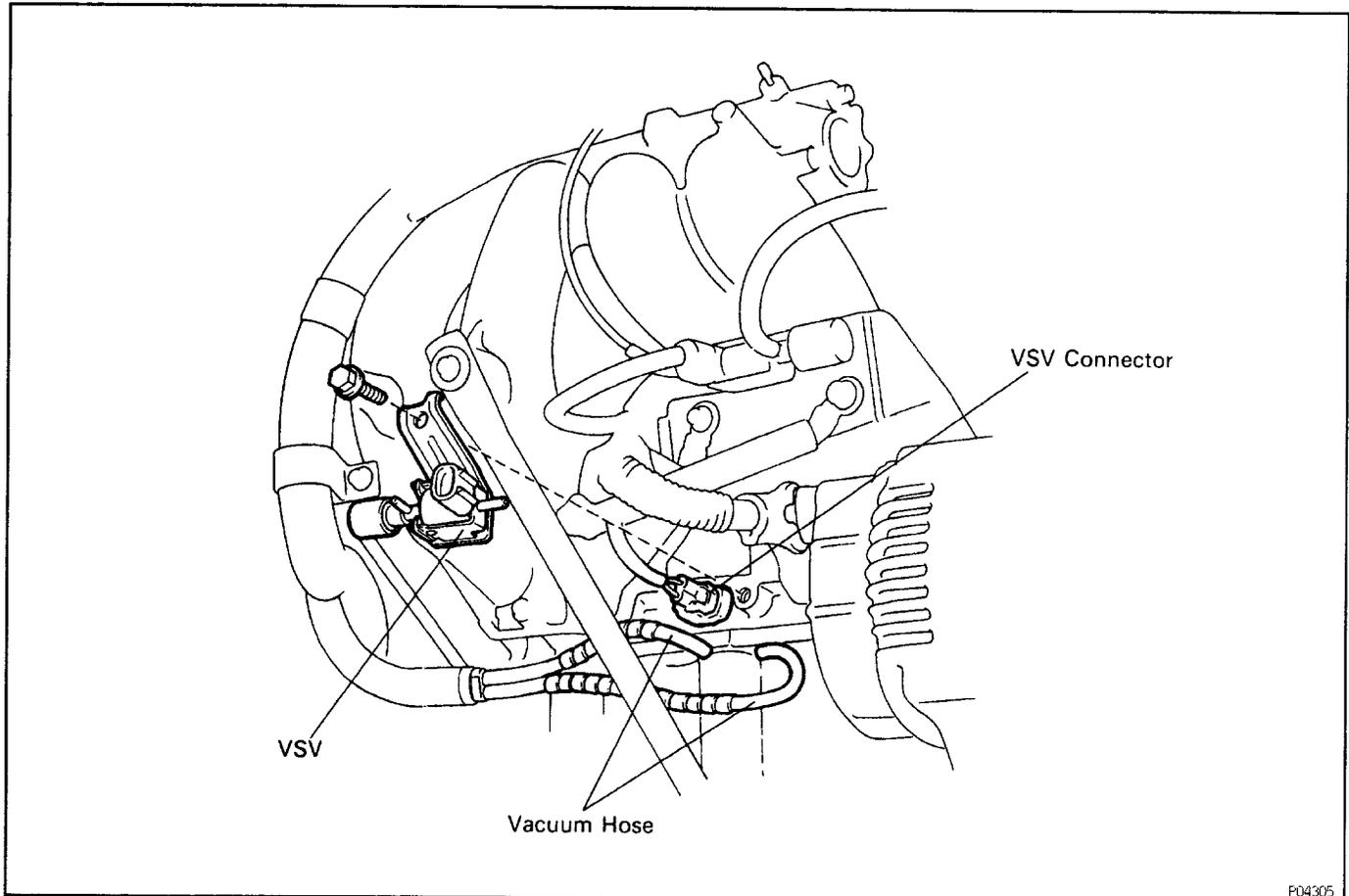
# VSV (For EGR)

EG02-08

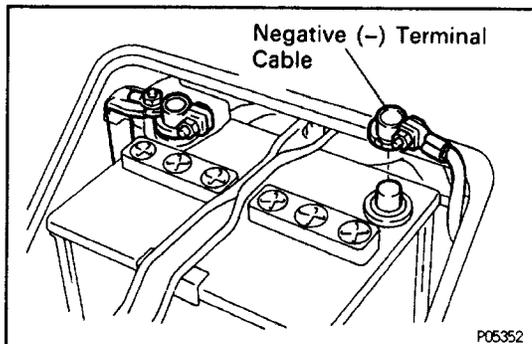


# COMPONENTS FOR REMOVAL AND INSTALLATION

EG14F-01



P04305



P06352

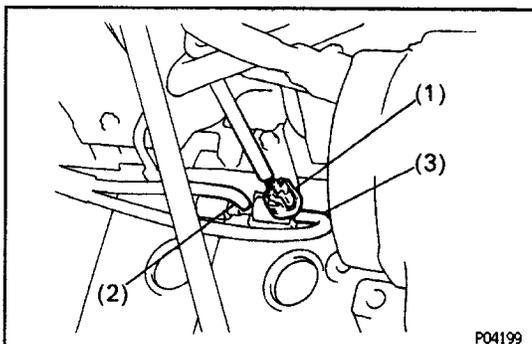
## VSV INSPECTION

EG14H-01

(See Components for Removal and Installation)

### 1. DISCONNECT CABLE FROM NEGATIVE TERMINAL OF BATTERY

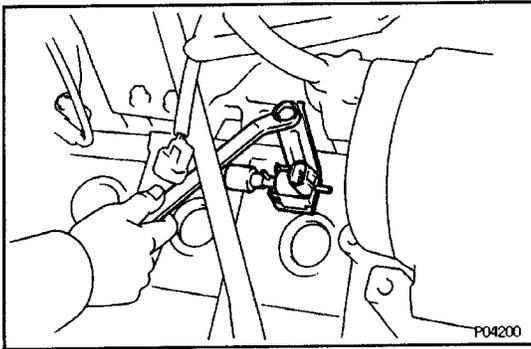
**CAUTION:** Turn the ignition switch to "LOCK". Disconnect the negative terminal from the battery. Wait at least 20 seconds before proceeding with work.



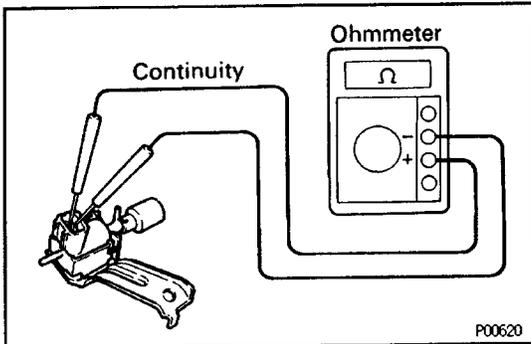
P04199

### 2. REMOVE VSV

- (a) Disconnect the following connector and hoses:
- (1) VSV connector
  - (2) Vacuum hose (from EGR valve) from port E of VSV
  - (3) Vacuum hose (from port "Q" of EGR vacuum modulator) from port G of VSV



(b) Remove the bolt and VSV.



### 3. INSPECT VSV

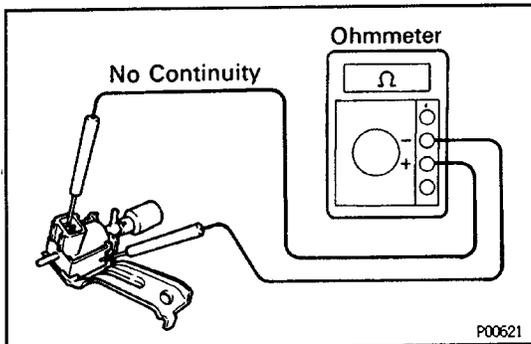
#### A. Inspect VSV for open circuit

Using an ohmmeter, check that there is continuity between the terminals.

#### Resistance (Cold):

**33–39Ω**

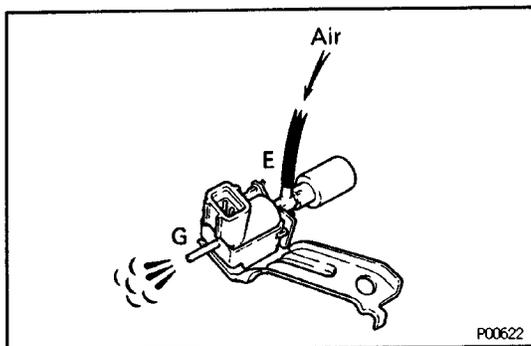
If there is no continuity, replace the VSV.



#### B. Inspect VSV for ground

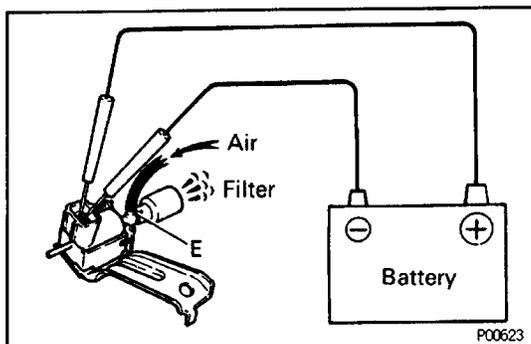
Using an ohmmeter, check that there is no continuity between each terminal and the body.

If there is continuity, replace the VSV.



#### C. Inspect VSV operation

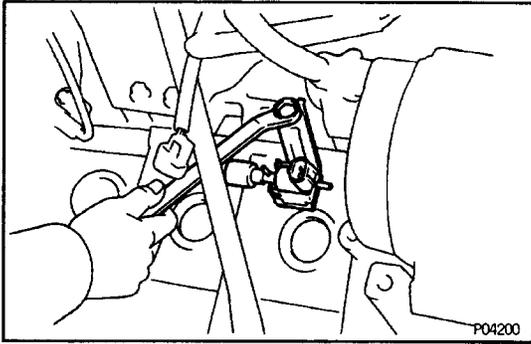
(a) Check that the air flows from port E to port G.



(b) Apply battery voltage across the terminals.

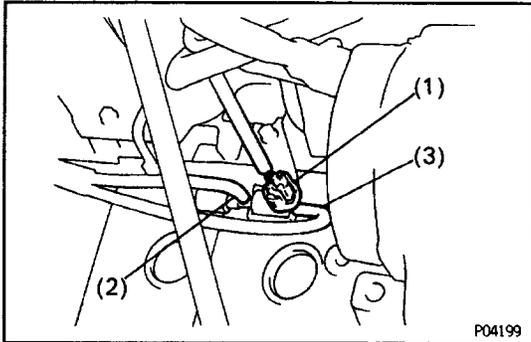
(c) Check that the air flows from port E to the filter.

If operation is not as specified, replace the VSV.



#### 4. REINSTALL VSV

(a) Install the VSV with the bolt.



(b) Connect the following connector and hoses:

(1) VSV connector

#### 5. RECONNECT CABLE TO NEGATIVE TERMINAL 4F BATTERY