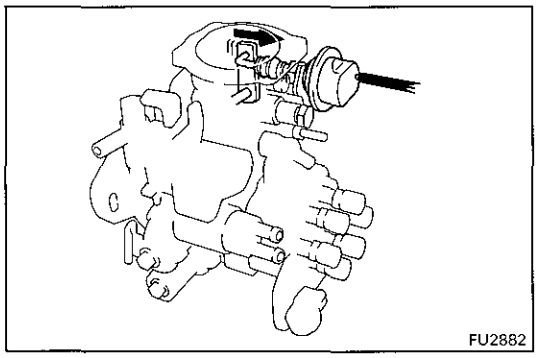
15. FILL WITH ENGINE COOLANT (See page CO-5)
16. START ENGINE AND CHECK FOR FUEL LEAKS
17. CHECK IDLE SPEED AND MAXIMUM SPEED (See page EM-27)


FU2882

# POWER CONTROL SYSTEM (PCS) (HDB30 (w/ M/T) only)

## ON-VEHICLE INSPECTION

### INSPECT POWER CONTROL SYSTEM (PCS)

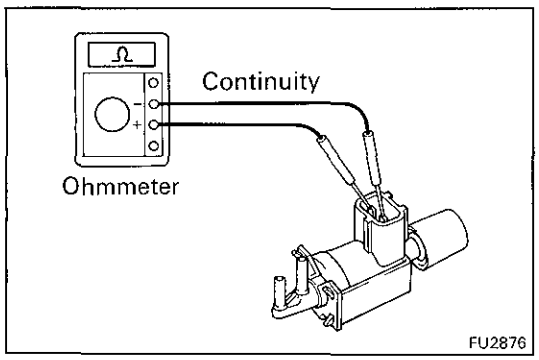
(a) Start the engine.

(b) Depress the clutch pedal and check the operation of the actuator at each shift position.

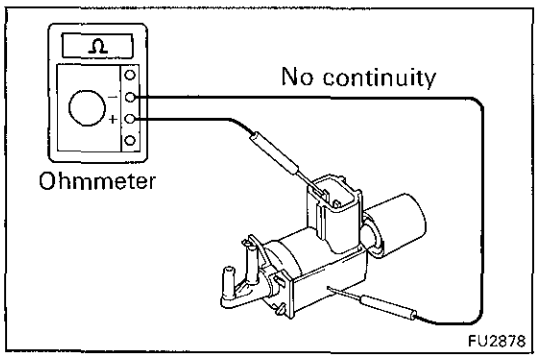
**Standard:**

**Shifting to 1st or Reverse ..... Actuator not *operating***

**Sifting to other positions ..... Actuator operates**



FU2876



FU2878

## INSPECTION OF POWER CONTROL SYSTEM (PCS) COMPONENTS

1. INSPECT PCS VSV

A. **Inspect VSV for open circuit**

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

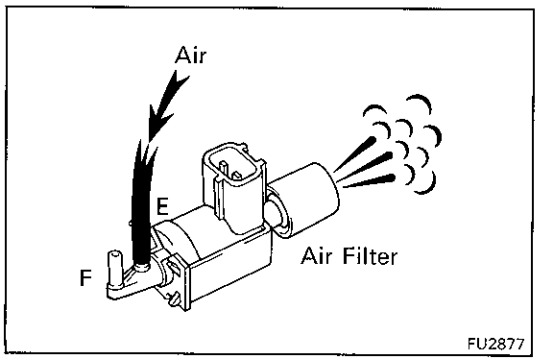
**Resistance (Cold): 33 – 39 Ω**

If there is no continuity, replace the VSV.

B. **Inspect VSV for ground**

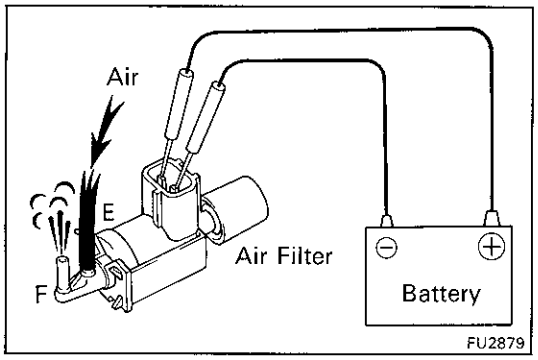
Using an ohmmeter, check that there is no continuity between each terminal and the body.

If there is continuity, replace the VSV.




### C. Inspect VSV operation

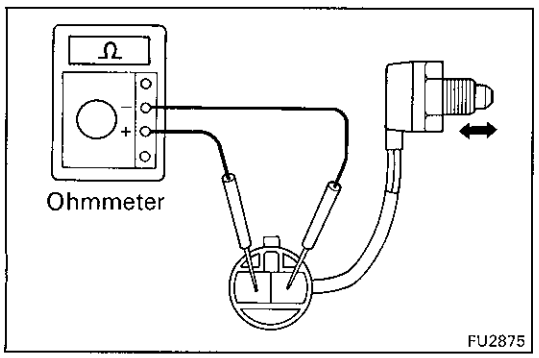
(a) Check that air flows from pipes E to the filter.




(b) Apply battery voltage across the terminals.

(c) Check that air flows from pipe E to F.

If operation is not as specified, replace the VSV.




### 2. INSPECT SHIFT POSITION SWITCH

(a) Check that there is no continuity between terminals when the switch is pushed (shift position 1st or reverse).

(b) Check that there is continuity between terminals when switch is free (shift position others).

If continuity is not as specified, replace the switch.