Primary Slow Mixture Cut-off Solenoid Valve

Troubleshooting Flowchart (KX, KS, KG, KQ)

Inspection of Primary Slow Mixture Cut-off Solenoid Valve.

Turn the ignition switch ON.

Check the clicking sound of solenoid valve.

Does the solenoid valve click ?

NO

Turn the ignition switch OFF.

Disconnect the 2P connector.

Turn the ignition switch ON.

Measure voltage between GRN/RED (+) terminal and body ground.

Is there battery voltage ?

YES

Replace the solenoid valve.

NO

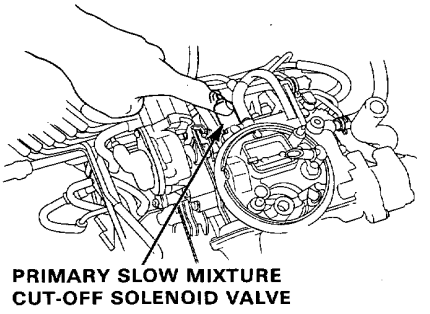
- **Repair open in GRN/RED wire between the solenoid valve and control unit (A21).**
- **Check the self-diagnosis indicator (page 6-22). If OK, check the input troubleshooting (page 6-22).**

YES

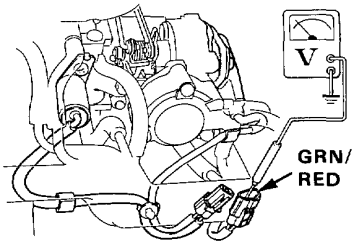
Start the engine and warm up to normal operating temperature (the cooling fan comes on).

(To page 6-74)

Primary Slow Mixture Cut-off Solenoid Valve

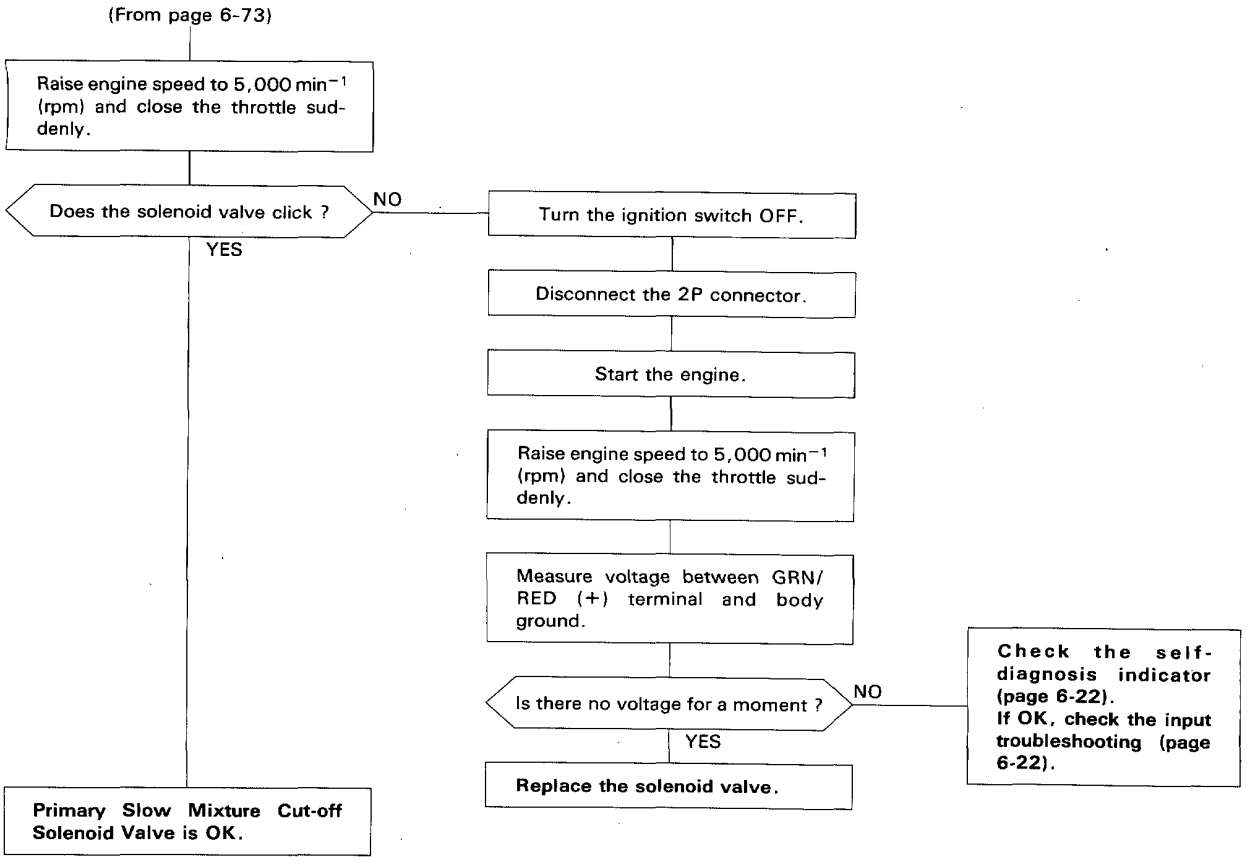


PRIMARY SLOW MIXTURE CUT-OFF SOLENOID VALVE



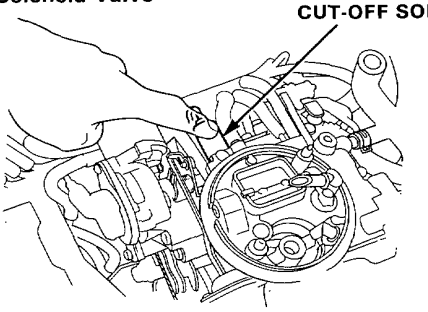
(cont'd)

Primary Slow Mixture Cut-off Solenoid Valve (cont'd)



Troubleshooting Flowchart (Except KX, KS, KG, KQ)

Primary Slow Mixture Cut-off Solenoid Valve



Inspection of Primary Slow Mixture Cut-off Solenoid Valve.

Turn the ignition switch ON.

Check the clicking sound of solenoid valve.

Does the solenoid valve click ?

NO

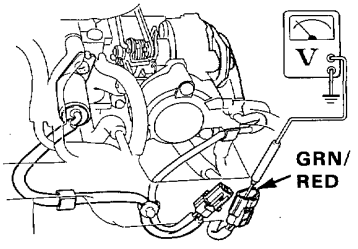
Turn the ignition switch OFF.

YES

Disconnect the 2P connector.

Turn the ignition switch ON.

Measure voltage between GRN/RED (+) terminal and body ground.



Is there battery voltage ?

YES

Replace the solenoid valve.

NO

Repair open or short in BLK/YEL, GRN/RED wire between the 2P connector and the ignition switch as well as No.2 fuse.

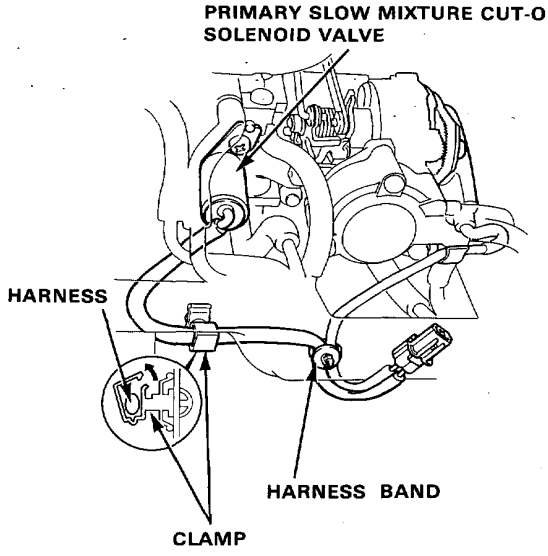
Primary Slow Mixture Cut-off Solenoid Valve is OK.

(cont'd)

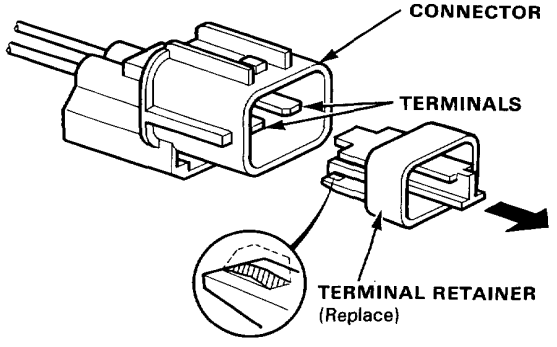
Primary Slow Mixture Cut-off Solenoid Value (cont'd)

1. Remove the 2P connector, cut the harness band, and open the harness clamp on the idle controller bracket. Disconnect the fuel cut-off solenoid valve harness from the clamp.

   CAUTION: Take care not to apply excessive force on the clamp at it is broken easily.

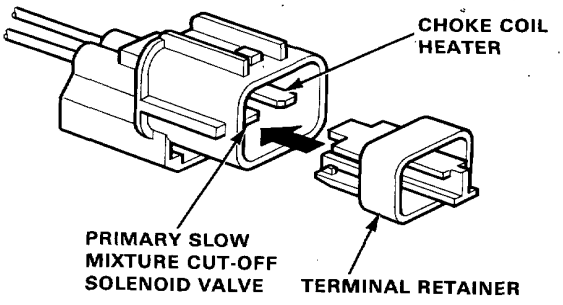


2. Disconnect the terminal retainer from the connector and remove the two terminals.



3. Replace the solenoid valve.

4. Connect the respective terminals to a new connector and install a new terminal retainer.
   NOTE:
   - Be sure to connect the terminal before installing the terminal retainer.
   - Replace the connector and terminal retainer with the new ones.
   - Note the location of the terminal.



5. Secure the harness with the clamp as shown in the drawing and use the harness band to hold the two harnesses together 180mm from the tip of the connector.
   CAUTION: Cut off the excess of the harness band and set it on the harnesses so that the tip of the band points to the vacuum hose manifold.