Primary Slow Mixture Cut-off Solenoid Valve

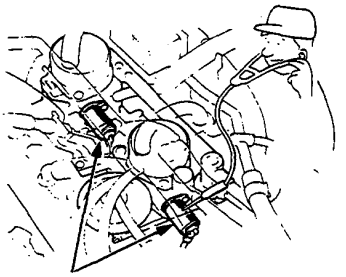
[KX, KS, KZ model]

Troubleshooting Flow Chart 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 each solenoid valve by means of a stethoscope.



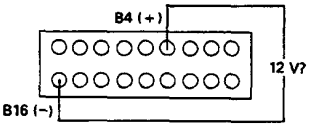
PRIMARY SLOW MIXTURE CUT-OFF SOLENOID VALVE

Does the solenoid valve click ?

NO

Turn the ignition switch OFF.

Connect the ECU check adaptor B between the control unit and connector (page 6-91).



Turn the ignition switch ON.

Measure voltage between B4 (+) terminal and B16 (–) terminal.

Is there battery voltage ?

YES

Repair open or short in BLK/YEL wire between the solenoid valve and control unit (B4).
If OK;
right solenoid valve: replace the solenoid valve.
left solenoid valve: inspect open in BLK wire between the solenoid valve and G151, and replace the solenoid valve.

NO

Check the self-diagnosis indicator (page 6-90). If OK, check the input troubleshooting (page 6-111).

YES

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

Block rear wheels and set the parking brake. Jack up the front of the car and support with safety stands.

WARNING Block rear wheels before jacking up front of car.

Place the transmission in second or "2" and accelerate, then suddenly release the throttle.

(page 6-28)

(cont'd)

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

(page 6-27)

Check for the clicking sound of each solenoid valve by means of a stethoscope during deceleration above 20 km/h and 4,000 min^{-1} (rpm).

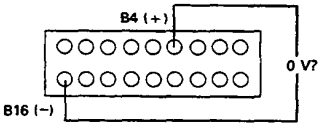
Does the solenoid valve click ?

NO

Turn the ignition switch OFF.

Connect the ECU check adaptor B between the control unit and connector (page 6-91).

Start the engine.



Measure voltage between B4 (+) terminal and B16 (–) terminal during deceleration above 20 km/h and 4,000 min^{-1} (rpm).

Is there no voltage for a moment ?

NO

Check the self-diagnosis indicator (page 6-90). If OK, check the input troubleshooting (page 6-111).

YES

Replace the solenoid valve.

YES

Solenoid valve is OK.

[Except KX, KS, KZ model]

Inspection of Primary Slow Mixture Cut-off Solenoid Valve

Turn the ignition switch ON.

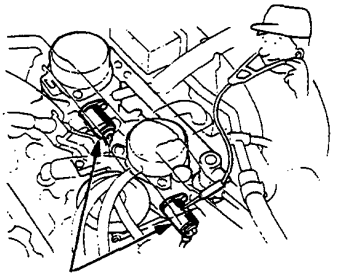
Check the clicking sound of each solenoid valve by means of a stethoscope.

Does the solenoid valve click ?

NO

YES

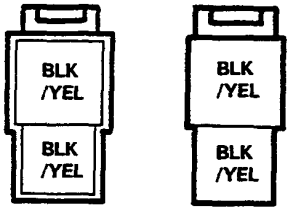
Solenoid valve is OK.



PRIMARY SLOW MIXTURE CUT-OFF SOLENOID VALVE

Turn the ignition switch OFF.

Disconnect the 2P connector on the primary slow mixture cut-off solenoid valve.



Turn the ignition switch ON.

Measure voltage between BLK/YEL (+) terminal and body ground at the 2P connector.

Is there battery voltage ?

YES

Repair open or short in BLK/YEL wire between the solenoid valve and the 2P connector.
If OK;
Right solenoid valve (A/T only): replace the solenoid valve.
Left solenoid valve: inspect open in BLK wire between the solenoid valve and G151, and replace the solenoid valve.

NO

Repair open or short in BLK/YEL wire between the ignition switch and the 2P connector as well as No. 12 fuse.