

Carburetor

Primary Slow Mixture Cut-off Solenoid Valve

[KX, KS, KZ model]

Troubleshooting Flowchart

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.

Does the solenoid valve click ?

NO

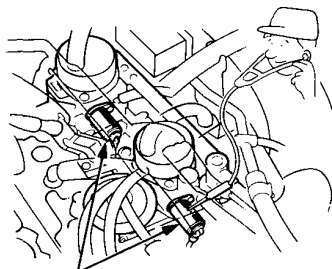
YES

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.

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

(To page 6-67)



PRIMARY SLOW MIXTURE CUT-OFF SOLENOID VALVE

Turn the ignition switch OFF.

Connect the ECU test harness between the control unit and connector (page 6-16).

Turn the ignition switch ON.

Measure voltage between A21 (+) terminal and A26 (-) terminal.

Is there battery voltage ?

YES

NO

⚠ WARNING Block rear wheels before jacking up front of car.

Check the self-diagnosis indicator (page 6-18). If OK, substitute a known-good control unit and retest. If symptom goes away, replace the original control unit.

Repair open or short in BLK/YEL wire between the solenoid valve and control unit (A21).

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.

12V?

A21 (+)



A26 (-)



(From page 6-66)

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 test harness between the control unit and connector (page 6-16)

Start the engine.

Measure voltage between A21 (+) terminal and A26 (-) 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 6-18).
If OK, substitute a known-good control unit and retest. If symptom goes away, replace the original control unit.

YES

Replace the solenoid valve.

Solenoid valve is OK.

0V?

A21 (+)

A26 (-)