MAZDA PISTON ENGINE SLOW FUEL CUT SYSTEM

GLC

DESCRIPTION

The Slow Fuel Cut system is used to seal the primary slow fuel passage of the carburetor to prevent "dieseling" and overheating of exhaust system. Components of the system include the slow fuel cut solenoid valve, neutral switch, clutch switch (manual transmission), accelerator switch and necessary electrical connections.

OPERATION

The slow fuel cut solenoid valve seals the primary slow fuel passage of the carburetor when the ignition is turned off or when all components of the system are off.

TESTING & ADJUSTMENT

SLOW FUEL CUT SOLENOID VALVE

Apply battery power to solenoid valve (located on carburetor); a "clicking" sound should be heard. If valve does not operate as outlined, replace slow fuel cut solenoid valve.

ACCELERATOR SWITCH

1) Warm engine to normal operating temperature. Stop engine and disconnect electrical connector from switch (located on carburetor under thermostat housing). Connect ohmmeter to switch terminals. Depress accelerator pedal; continuity should exist. Fully release accelerator; no continuity should exist. If switch does not operate as outlined, adjust or replace accelerator switch.

2) To adjust accelerator switch, warm engine to normal operating temperature and run at idle speed. Adjust idle if necessary. Completely loosen accelerator switch adjusting screw. Then gradually tighten adjusting screw until "clicking" sound is heard. Complete adjustment by turning adjusting screw an additional 1¼-1½ turns and retest switch.

CLUTCH SWITCH (MANUAL TRANSMISSION)

Disconnect electrical connector at clutch switch (located under instrument panel on clutch pedal mounting bracket). Connect ohmmeter to switch terminals. Depress clutch pedal; continuity should exist. Fully release clutch pedal; no continuity should exist. If switch does not operate as outlined, replace clutch switch.

NEUTRAL SWITCH

Manual Transmission – Raise and support vehicle. Disconnect electrical connector from switch (located on output shaft housing.). Connect ohmmeter to switch terminals. Continuity should exist when transmission is in neutral and no continuity in any other gear position. If switch does not operate as outlined, replace neutral switch.

Automatic Transmission – Raise and support vehicle. Apply parking brake and block wheels. Start engine and operate at idle. Disconnect electrical connector from switch (located on output shaft housing). Connect ohmmeter to switch terminals. Continuity should exist when transmission is in neutral and no continuity in any other gear position. If switch does not operate as outlined, replace neutral switch.