



PCM CODE E027 OPEN THROTTLE SWITCH

TEST CONDITION(S):

1. Codes E021, E022 and E024 not set.
2. Vehicle in coast down condition.
3. Throttle switch open.
4. Brake applied.
5. Throttle angle 16.5° or less.
6. Engine speed at least 64 RPM greater than desired.
7. At least 4 seconds have past between brake applications or the last ISC motor pulse from the PCM.

FAILURE CONDITION(S):

The PCM commands the ISC to retract and monitors the TPS for a corresponding decrease in throttle position. If the PCM detects a decrease in throttle position two times in succession, then the PCM knows the throttle is resting on the ISC plunger and the throttle position switch should be closed.

ACTION TAKEN:

1. PCM turns on 'SERVICE ENGINE SOON' message.
2. EGR is disabled.

NOTE ON FAULT TREE:

1. The PCM harness connector of the ISC jumper is located between the generator and cruise control servo.
2. The ISC jumper is a separate harness that connects the ISC to the PCM harness.

NOTES ON INTERMITTENTS:

Check that ISC plunger is depressed when the throttle linkage is in contact with the stop screw. Check the ISC jumper connectors, and PCM connector for terminals that may not be properly crimped or backed out of their connector.

**PCM CODE E027
OPEN THROTTLE SWITCH**

• IGNITION ON, ENTER DIAGNOSTICS
• NOTE 'LO' STATUS INDICATOR (THROTTLE SWITCH)
• DOES INDICATOR CYCLE FROM ON TO OFF WHEN ACCELERATOR IS DEPRESSED?

NO

YES

①
• DISCONNECT ISC MOTOR CONNECTOR AT ISC
• JUMPER PCM HARNESS CONNECTOR TERMINALS 'A' AND 'B'
• IS 'LO' STATUS INDICATOR ON?

• FAULT NOT PRESENT
• SEE 'NOTES ON INTERMITTENTS'

NO

YES

• JUMPER HARNESS TERMINAL 'B' TO GROUND
• IS 'LO' STATUS INDICATOR ON?

②
• CHECK TERMINAL CONTACT AT ISC MOTOR
• IF OK REPLACE ISC MOTOR

NO

YES

• BACKPROBE AND JUMPER PCM CONNECTOR TERMINAL 'A7' GROUND
• IS 'LO' STATUS INDICATOR ON?

• OPEN CKT 450

NO

YES

• CHECK PCM FOR DAMAGED PINS OR POOR CONNECTION
• IF OK, REPLACE PCM

• OPEN CKT 427

WHEN ALL DIAGNOSIS AND REPAIRS ARE COMPLETED, CLEAR CODES AND VERIFY OPERATION