

### **TROUBLE CODE 42** **BYPASS OR EST PROBLEM**

If vehicle will not start and run, check for grounded EST wire to ECM terminal "12." (Grounded and open EST circuit on 5.0L VIN "Y".)

A 1981 HEI module can cause a Code 42.

With engine at fast idle, note timing. Ground "test" terminal and note timing; it should change.

No change

OK

No trouble found

- Disconnect 4 terminal EST connector from distributor.
- With engine stopped, connect jumper from "A" to "B" in distributor side of EST connector.
- Start engine, ground "test" terminal and connect test light from Battery + to term. "C" of same conn.

Engine stops

Engine runs

Check for open EST wire to terminal "E" of HEI module. If wire is OK, it is faulty HEI module connection or module.

With test light still connected, remove jumper between terminals "A" and "B."

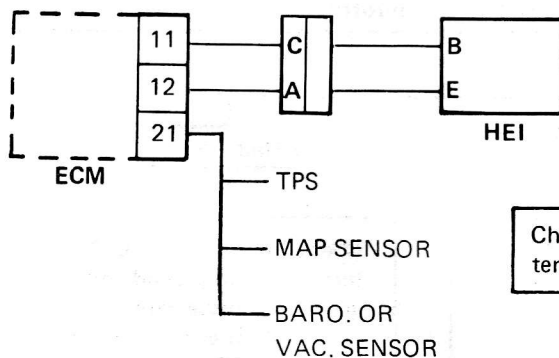
Engine runs

Engine stops

Check distributor wires for:

- Open or ground to module terminal "B".
- Short between module terminals "R" and "E". If wires are OK, it is faulty HEI module connection or module.

- Check for correct HEI module.
- Check for open wire from EST Connector terminal "A" to ECM terminal "12".
- Check for open or ground wire from EST Connector terminal "C" to ECM terminal "11".



If not grounded or open, check for voltage from terminal "21" to ground.

If grounded or open

Repair

Under 4.5 volts

Over 4.5 volts

Check for grounded wire to ECM term. "21"

It is faulty ECM connection or ECM.

11-18-82Z  
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Fig. 6E1-56--Trouble Code 42