

crank detect circuit. When the required inputs have been received, the PCM supplies voltage and ground to the starter relay coil. The ignition switch - push button start is part of the FCIM and cannot be serviced separately. For more information, REFER to: Starting System - System Operation and Component Description .

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
P2535	Ignition Switch Run/Start Position Circuit High	The PCM sets this DTC when the PCM detects voltage on the crank detect circuit while engine is running.

Possible Sources

- Ignition switch - push button start
- BCM
- PCM
- Wiring, terminals or connectors

DIAGNOSIS AND TESTING > STARTING SYSTEM > PINPOINT TEST(S) > PINPOINT TEST D : P2535 > PINPOINT TEST D : P2535

D1 CHECK THE CRANK DETECT CIRCUIT FOR A SHORT TO VOLTAGE WITH THE PCM (POWERTRAIN CONTROL MODULE) DISCONNECTED

Ignition OFF.

Disconnect PCM C1551B .

Ignition ON.

Measure:

Positive Lead	Measurement / Action	Negative Lead
C1551B-47		Ground

Is any voltage present?

Yes	GO to D2
No	GO to D4

D2 CHECK THE CRANK DETECT CIRCUIT FOR A SHORT TO VOLTAGE WITH THE IGNITION SWITCH - PUSH BUTTON START DISCONNECTED