Operate the system and determine if the concern is still present.

Is the concern still present?

Yes	CHECK OASIS for any applicable Technical Service Bulletins (TSBs). If a TSB exists for this concern, DISCONTINUE this test and FOLLOW TSB instructions. If no Technical Service Bulletins (TSBs) address this concern,

No	The system is operating correctly at this time. The concern may have been caused by module connections. ADDRESS the root cause of any connector or pin issues.

DIAGNOSIS AND TESTING > BODY CONTROL MODULE (BCM) > PINPOINT TESTS > PINPOINT TEST I : P0230:14

Refer to Electronic Engine Controls - 2.7L for schematic and connector information.

Normal Operation and Fault Conditions

The BCM provides a ground to the coil side of the BJB fuel pump relay.

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
P0230:14	Fuel Pump Primary Circuit: Circuit Short To Ground or Open	A continuous and on-demand DTC that sets when the BCM detects a short to ground or open from the fuel pump relay coil circuit.

Possible Sources

- Fuse
- Wiring, terminals or connectors
- Fuel pump relay
- BCM

Visual Inspection and Diagnostic Pre-Checks

Inspect BJB fuse 56 (20A).

DIAGNOSIS AND TESTING > BODY CONTROL MODULE (BCM) > PINPOINT TESTS > PINPOINT TEST I : P0230:14 > PINPOINT TEST I : P0230:14

I1 CHECK THE FUEL PUMP RELAY

Ignition OFF.

Swap the fuel pump relay with a known good relay.

Ignition ON.

Using a diagnostic scan tool, clear the BCM Diagnostic Trouble Codes (DTCs).

Perform the BCM self-test.

Is DTC P0230:14 still present?

Yes	GO to I2

No	INSTALL a new the fuel pump relay.

I2 CHECK FOR VOLTAGE AT THE BCM (BODY CONTROL MODULE)

Ignition OFF.

Disconnect: BCM C2280F .

Ignition ON.

Measure:

Positive Lead	Measurement / Action	Negative Lead
C2280F-26		Ground

Is the voltage greater than 11 volts?

Yes	GO to I3

No	VERIFY BJB fuse 56 (20A) is OK. If OK, REPAIR the circuit. If not OK, REFER to the OEM WIRING DIAGRAMS to identify the possible causes for the short circuit.

I3 CHECK FOR CORRECT BCM (BODY CONTROL MODULE) OPERATION

Disconnect and inspect all BCM connectors.

Repair:

corrosion (install new connector or terminals - clean module pins)

damaged or bent pins - install new terminals/pins

pushed-out pins - install new pins as necessary

Reconnect the BCM connectors. Make sure they seat and latch correctly.

Operate the system and determine if the concern is still present.

Is the concern still present?

Yes	CHECK OASIS for any applicable Technical Service Bulletins (TSBs). If a TSB exists for this