

DIAGNOSIS AND TESTING > CHARGING SYSTEM - 3.7L DURATEC (227KW 301PS) > PINPOINT TESTS (3.7L) > PINPOINT TEST I : BATTERY CURRENT SENSOR FAULTS

Refer to Charging System for schematic and connector information.

Normal Operation and Fault Conditions

For information on the battery current sensor, REFER to: Charging System - System Operation and Component Description .

Diagnostic Trouble Code (DTC) Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
B130C:12	Load Shed Control Circuit Short To Battery	This DTC sets in the BCM when the BCM senses a short in the battery current sensor control circuit.
B130C:14	Load Shed Control Circuit Short To Ground or Open	This DTC sets in the BCM when the BCM senses an open or ground in the battery current sensor control circuit.
B1438:03	Battery Current Sensor, FM (Frequency Modulated) / PWM (Pulse Width Modulated) Failure	This DTC sets in the BCM when the BCM does not indicate current from the battery current sensor.

Possible Sources

- Battery current sensor
- Wiring, terminals or connectors

Visual Inspection and Diagnostic Pre-checks

- Inspect the battery current sensor
- Generator clutch (if equipped)
- Inspect the battery current sensor connector

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NOTE: Make sure battery voltage is greater than 12.2 volts prior to and during this pinpoint test.