- Inspect the generator.
- Inspect the in-vehicle entertainment system.

DIAGNOSIS AND TESTING > CHARGING SYSTEM - 3.7L DURATEC (227KW 301PS) > PINPOINT TESTS (3.7L) > PINPOINT TEST D : RADIO INTERFERENCE > PINPOINT TEST D : RADIO INTERFERENCE

D1 VERIFY THE GENERATOR IS THE SOURCE OF THE AUDIO SYSTEM INTERFERENCE

Start the engine.

Allow the engine to idle.

Tune the audio system to a station where interference is present.

Ignition OFF.

Disconnect Generator C102B .

Disconnect Generator C102D .

Start the engine.

Allow the engine to idle.

Is the interference present with the generator disconnected?

Yes	REFER to: Information and Entertainment System (without touchscreen) , or REFER to: Information and Entertainment System (with touchscreen) .

No	INSTALL a new generator. REFER to: Generator - 3.7L Duratec (227kW/301PS) .

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

Refer to Power Distribution for schematic and connector information.

Normal Operation and Fault Conditions

The generator current sensor is a Hall-effect sensor attached to the generator B+ cable. It is supplied a 5 volt reference and ground from the PCM. The PCM reads the generator current sensor feedback voltage to determine how much current is flowing through the generator B+ cable.

Diagnostic Trouble Code (DTC) Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
P0A5A	Generator Current Sensor Circuit	Sets in the PCM when the PCM