

C4 CHECK GENERATOR CLUTCH OPERATION

Ignition OFF.

Perform the generator clutch component test .

Is the generator clutch OK?

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

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

Radio Interference

Refer to Charging System for schematic and connector information.

Normal Operation and Fault Conditions

The generator radio suppression equipment reduces interference transmitted through the speakers by the vehicle electrical system.



NOTE: If the Original Equipment Manufacturer (OEM) Audio Control Module (ACM) has been replaced with an aftermarket unit, the vehicle may not pass this test. Return the vehicle to Original Equipment Manufacturer (OEM) condition before following this pinpoint test.



NOTE: If the engine is operated at greater than 2, 000 Revolutions Per Minute (RPM) momentarily, the generator self-excites. Make sure when the generator is disconnected the engine RPM stays below 2, 000 Revolutions Per Minute (RPM). If it rises above 2, 000 Revolutions Per Minute (RPM), turn the ignition to the OFF position and start the test over again.



NOTE: Inspect for any aftermarket accessories that have been added to the vehicle. Check the wiring for these accessories and be sure they have not been attached to the generator circuits and are positioned away from the generator wiring.

Possible Sources

- Generator
- In-vehicle entertainment system
- Wiring, terminals or connectors

Visual Inspection and Diagnostic Pre-checks