Condition	Possible Sources	Actions
Noisy A/C compressor	A/C compressor pulley bearing worn	INSPECT the A/C compressor pulley bearing for roughness. If bearing roughness is found, INSTALL a new A/C compressor clutch and A/C clutch field coil. REFER to: Air Conditioning (A/C) Clutch and Air Conditioning (A/C) Clutch Field Coil .
Excessive hissing from the plenum when the A/C is on	Incorrect A/C refrigerant level	CHECK the A/C refrigerant level. REFER to: Refrigerant System Tests - 2.3L EcoBoost (201kW/273PS) . REFER to: Refrigerant System Tests - 3.7L Duratec (227kW/301PS) . REFER to: Refrigerant System Tests - 5.0L 32V Ti-VCT .

DIAGNOSIS AND TESTING > CLIMATE CONTROL SYSTEM - VEHICLES WITH: DUAL AUTOMATIC TEMPERATURE CONTROL (DATC) > PINPOINT TEST(S) > PINPOINT TEST A : P0532, P0533

Refer to Automatic Climate Control System for schematic and connector information.

Normal operation and Fault Conditions

The A/C pressure transducer receives a ground from the PCM. A 5-volt reference voltage is supplied to the A/C pressure transducer from the PCM. The A/C pressure transducer then sends a voltage to the PCM to indicate the A/C pressure.

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
P0532	A/C Refrigerant Pressure Sensor "A" Circuit Low	This DTC sets if the feedback voltage is less than 0.26 volt for at least 2 seconds and the ambient air temperature is greater than 0 °C (32 °F).
P0533	A/C Refrigerant Pressure Sensor "A" Circuit High	This DTC sets if the feedback voltage is greater than 4.95 volts for at least 2 seconds and the ambient air temperature is greater than 0 °C (32 °F).

Possible Sources

- Wiring, terminals or connectors
- A/C pressure transducer