

ENGINE COOLANT TEMPERATURE (ECT) SENSOR REPLACEMENT

Removal Procedure

NOTE: Use care when handling the coolant sensor. Damage to the coolant sensor will affect the operation of the fuel control system.

1. Turn the engine OFF.

CAUTION: Refer to **Battery Disconnect Caution** in **Cautions and Notices**.

2. Disconnect the negative battery terminal.
3. Drain coolant below the level of the ECT sensor. Refer to [Draining and Filling Cooling System \(LL8\)](#) or [Draining and Filling Cooling System \(LM4\)](#) in Engine Cooling.

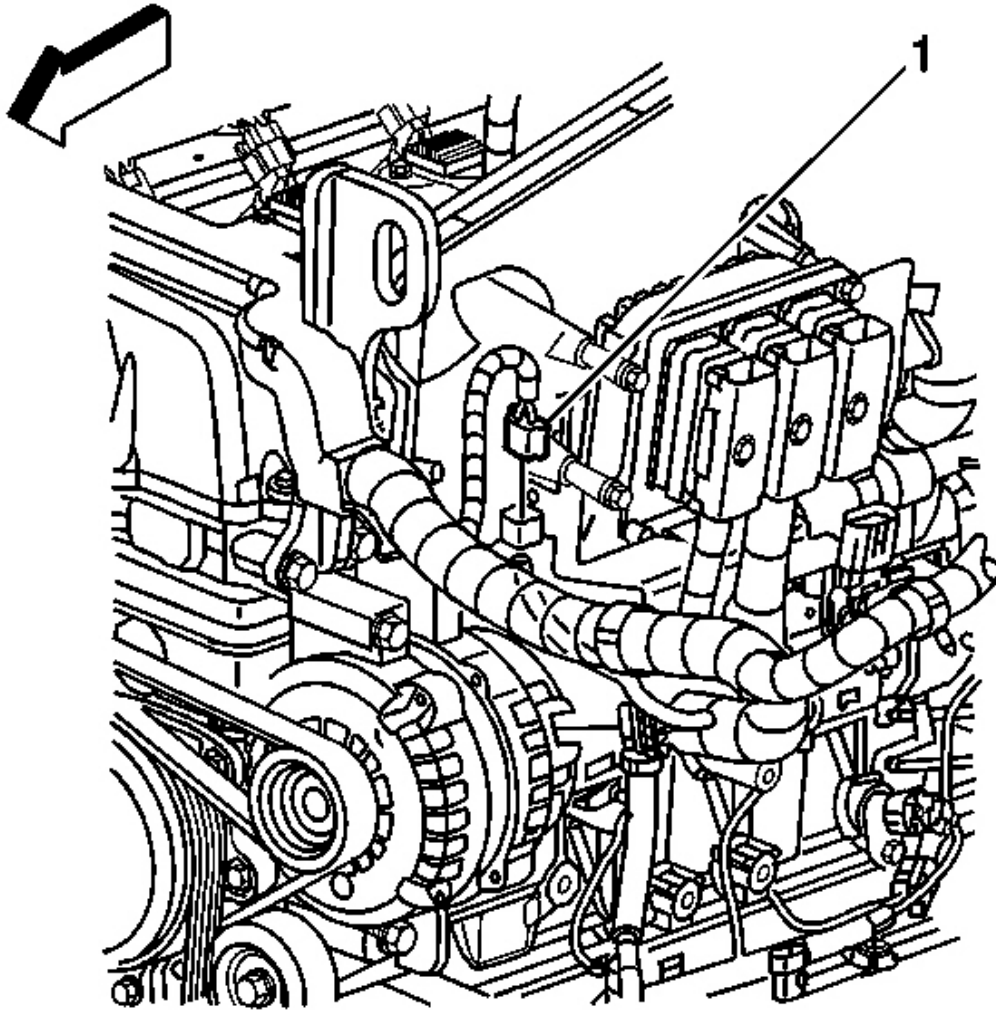


Fig. 29: Disconnecting/Connecting ECT Sensor Electrical Connector
Courtesy of GENERAL MOTORS CORP.

4. Disconnect the ECT sensor electrical connector (1).
5. Remove the drive belt and the generator. Refer to **Generator Replacement (4.2L Engine)** or **Generator Replacement (5.3L Engine)** in Engine Electrical.

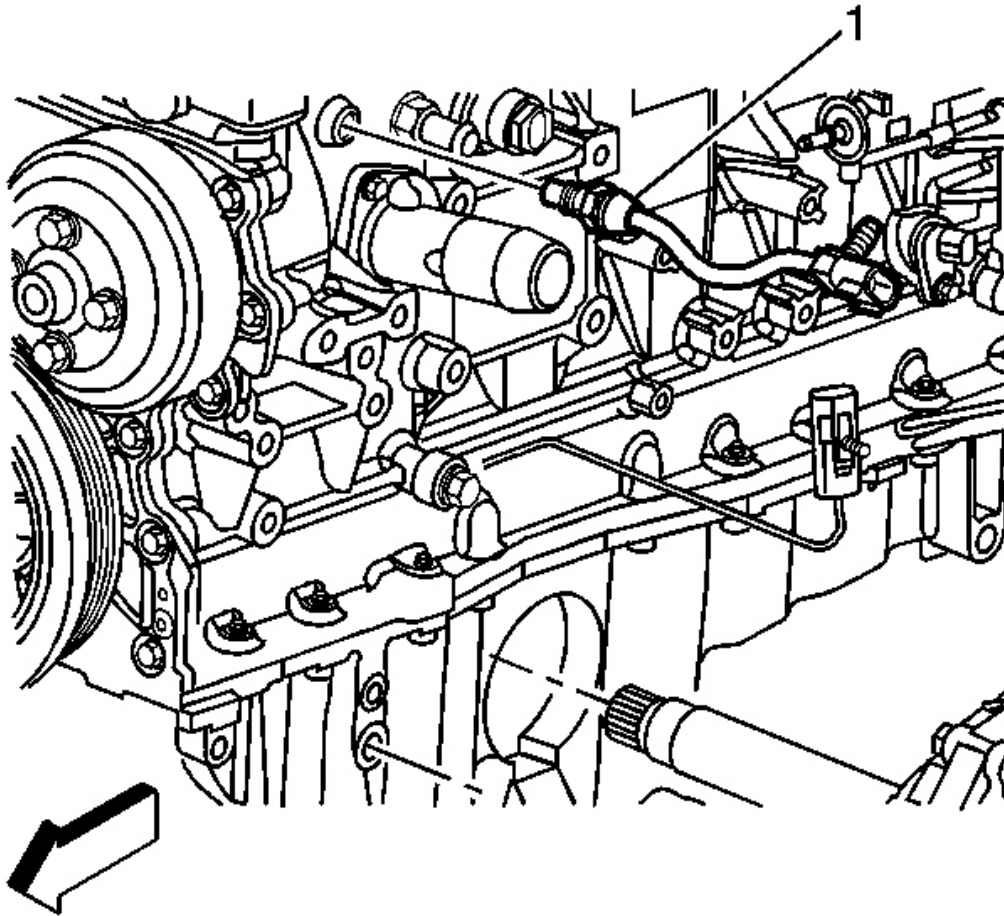


Fig. 30: Removing/Installing ECT Sensor
Courtesy of GENERAL MOTORS CORP.

6. Carefully remove the ECT sensor (1).

Installation Procedure

NOTE: Use care when handling the coolant sensor. Damage to the coolant sensor will affect the operation of the fuel control system.

NOTE: Replacement components must be the correct part number for the application. Components requiring the use of the thread locking compound, lubricants, corrosion inhibitors, or sealants are identified in the service procedure. Some replacement components may come with

these coatings already applied. Do not use these coatings on components unless specified. These coatings can affect the final torque, which may affect the operation of the component. Use the correct torque specification when installing components in order to avoid damage.

1. If installing the original sensor or a new sensor without sealant, apply thread sealer P/N 12346004 or equivalent.

NOTE: Refer to Fastener Notice in Cautions and Notices.

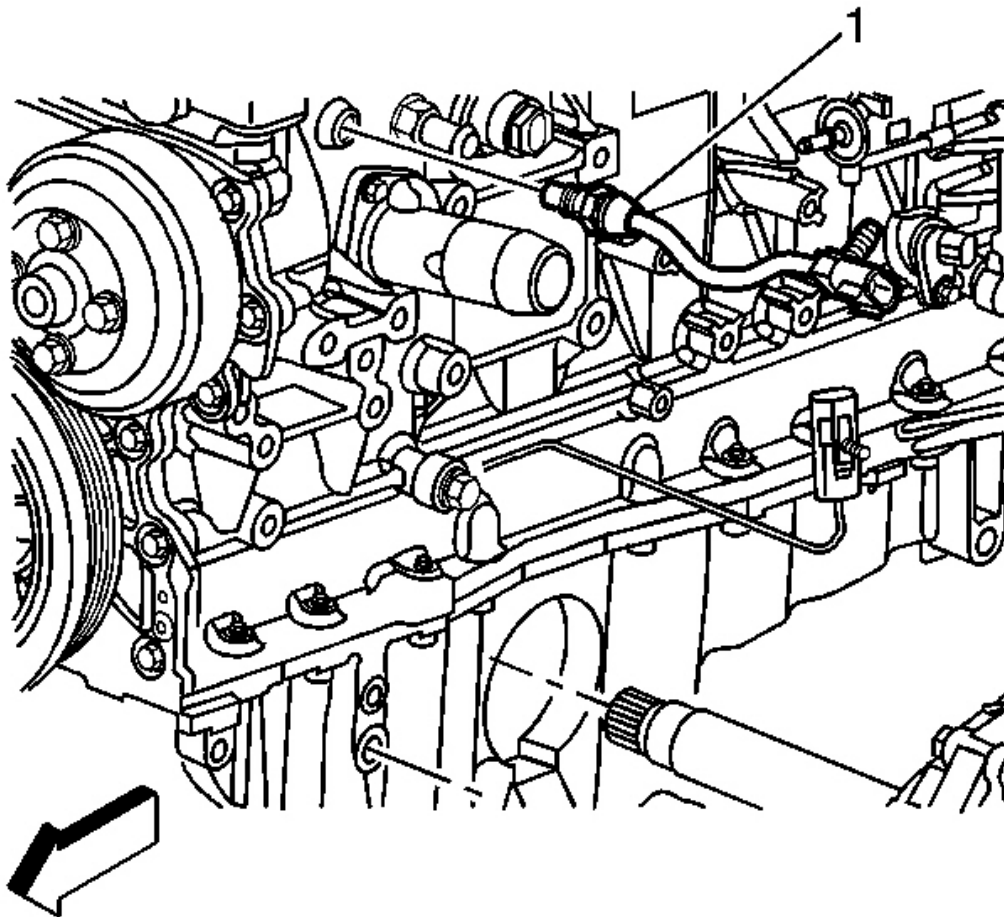


Fig. 31: Removing/Installing ECT Sensor
Courtesy of GENERAL MOTORS CORP.

2. Install the ECT sensor.

Tighten: Tighten the ECT sensor to 16 N.m (12 lb ft).

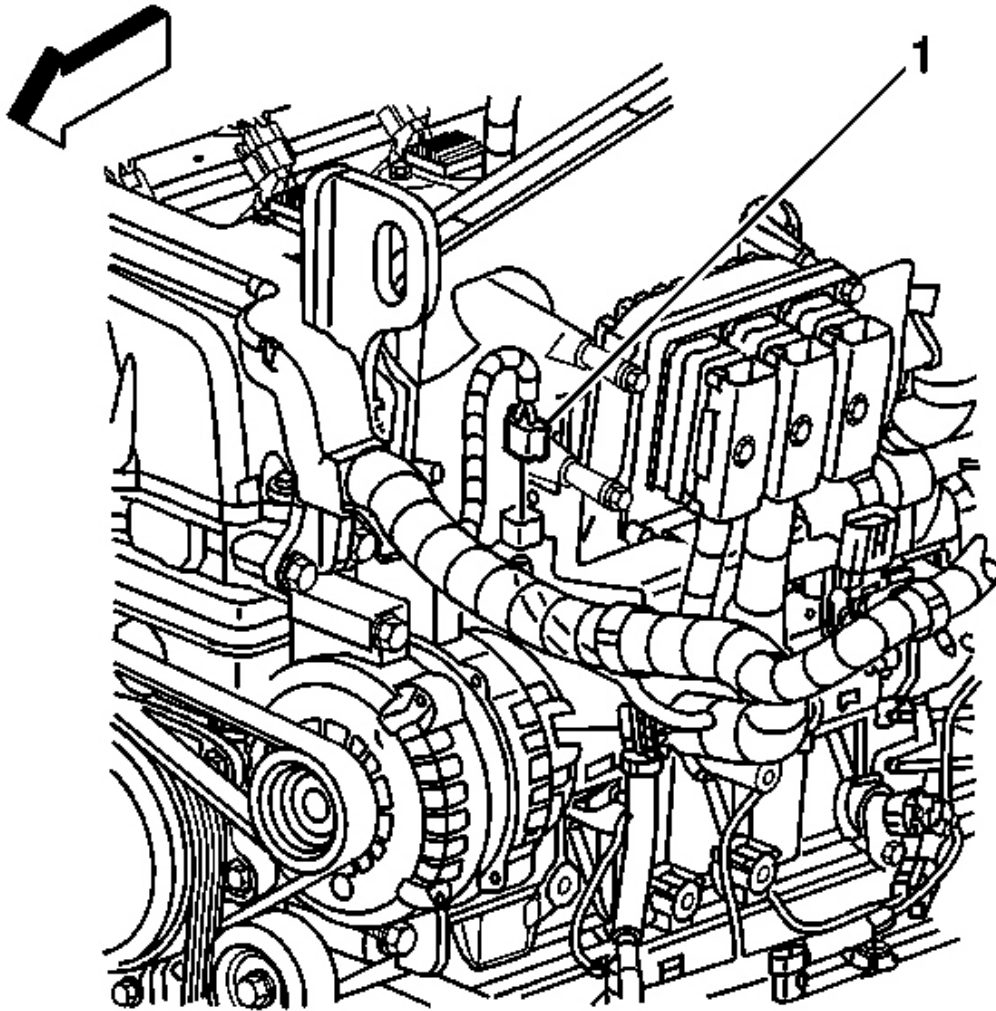


Fig. 32: Disconnecting/Connecting ECT Sensor Electrical Connector
Courtesy of GENERAL MOTORS CORP.

3. Connect the ECT electrical connector (1).
4. Install the generator and the drive belt. Refer to **Generator Replacement (4.2L Engine)** or **Generator Replacement (5.3L Engine)** in Engine Electrical.
5. Connect the negative battery terminal.
6. Refill the engine coolant