


## Engine Coolant Temperature (ECT) Sensor 18.30.10

All vehicles

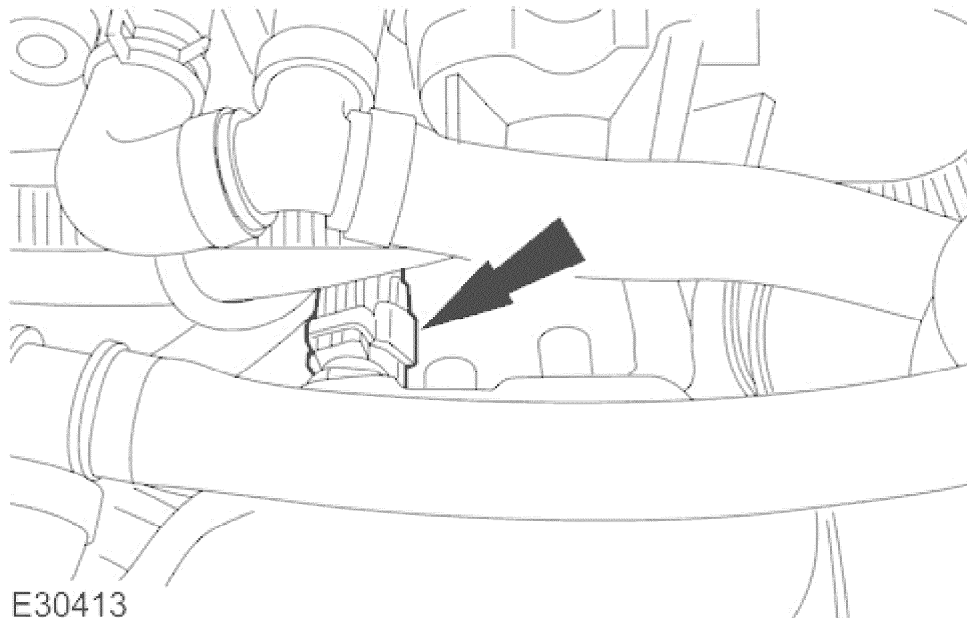
1.  **WARNING:**  
**NEVER REMOVE THE COOLANT EXPANSION TANK PRESSURE CAP UNDER ANY CIRCUMSTANCES WHILE THE ENGINE IS OPERATING. FAILURE TO FOLLOW THIS INSTRUCTION MAY RESULT IN PERSONAL INJURY.**

 **WARNING:**  
**TO AVOID HOT COOLANT OR STEAM BLOWING OUT OF THE COOLING SYSTEM, USE EXTREME CARE WHEN REMOVING THE COOLANT EXPANSION TANK PRESSURE CAP. WAIT UNTIL THE ENGINE HAS COOLED DOWN, THEN INSULATE THE COOLANT PRESSURE CAP WITH A SUITABLE CLOTH AND SLOWLY LOOSEN THE COOLANT EXPANSION TANK PRESSURE CAP UNTIL THE COOLING SYSTEM PRESSURE IS RELEASED. DO NOT REMOVE THE COOLANT EXPANSION TANK PRESSURE CAP. STEP BACK WHILE THE PRESSURE IS RELEASED FROM THE SYSTEM. WHEN ALL OF THE PRESSURE HAS BEEN RELEASED SLOWLY REMOVE THE COOLANT EXPANSION TANK PRESSURE CAP (STILL WITH THE SUITABLE CLOTH IN POSITION) FROM THE COOLANT EXPANSION TANK. FAILURE TO FOLLOW THIS INSTRUCTION MAY RESULT IN PERSONAL INJURY.**

Release the cooling system pressure.

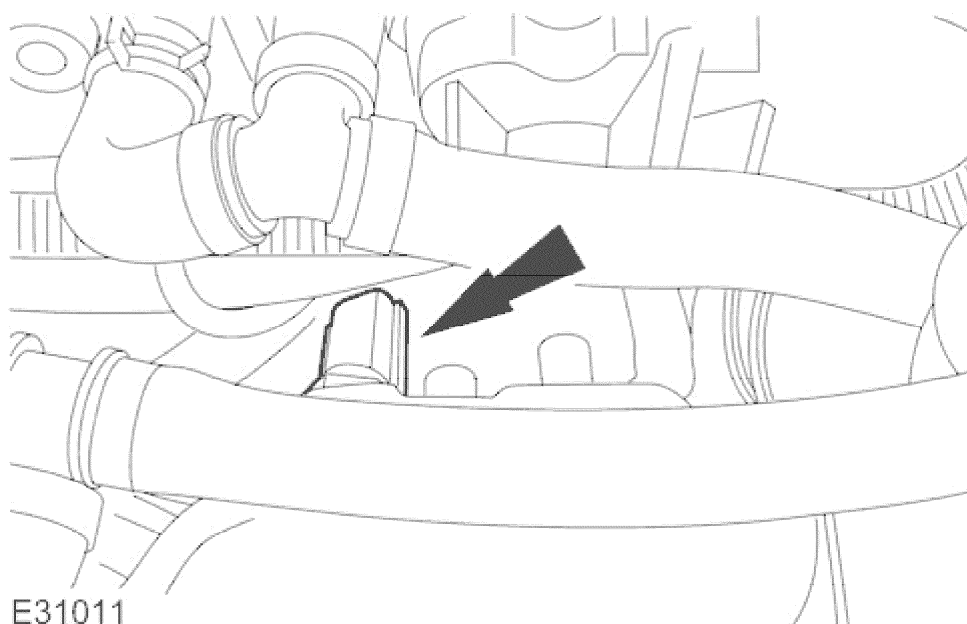
- Remove the coolant expansion tank pressure cap.

Vehicles with supercharger



E30413

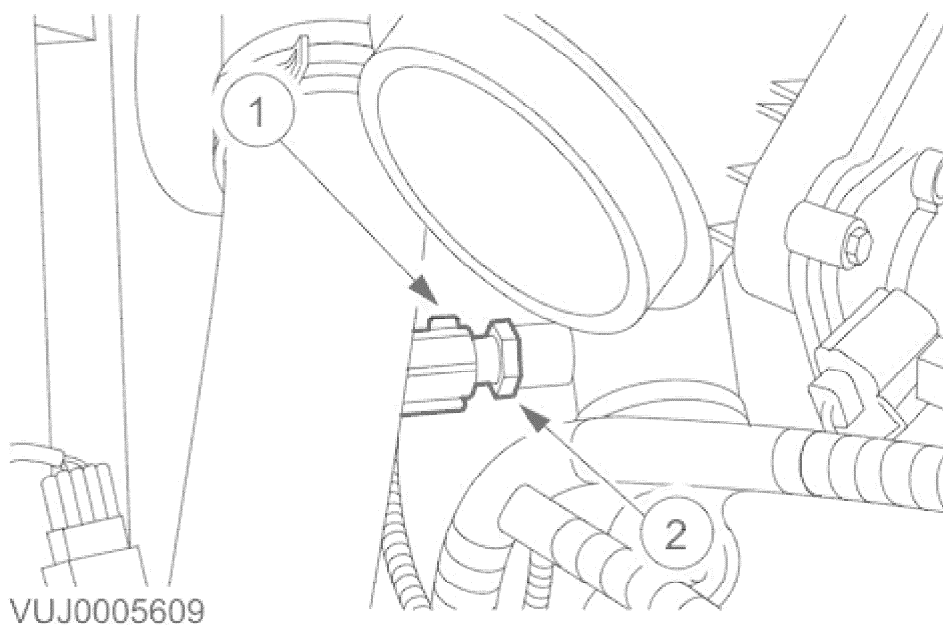
2. Disconnect the engine coolant temperature (ECT) sensor electrical connector.



3. Remove the ECT.
  - Remove and discard the ECT sealing washer.

#### Vehicles without supercharger

4. Remove the air cleaner outlet pipe. <<303-12A>><<303-12B>>



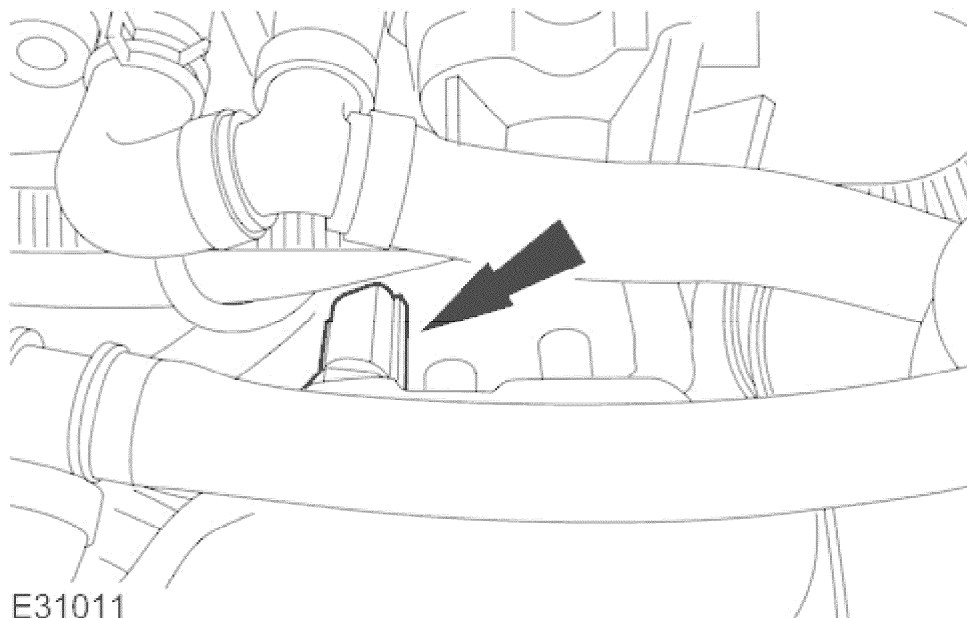
5. Remove the engine coolant temperature (ECT) sensor electrical connector.
  1. Disconnect the ECT sensor electrical connector.
  2. Remove the ECT sensor.
    - Remove and discard the ECT sealing washer.

#### Installation

#### All vehicles

1. To install, reverse the removal procedure.
  - Install a new ECT sealing washer.
  - Fill the cooling system up to the MAX mark on the coolant expansion tank.

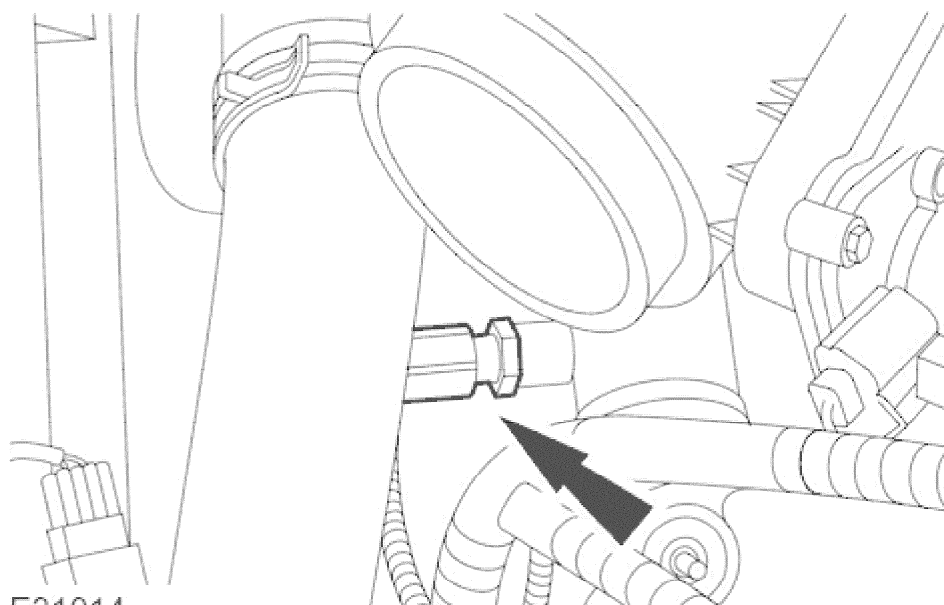
## Vehicles with supercharger



E31011

2. Tighten to 17 Nm.

## Vehicles without supercharger



E31014

3. Tighten to 17 Nm.