

ELECTRONIC ENGINE CONTROLS – INGENIUM I6 3.0L PETROL

ENGINE COOLANT TEMPERATURE SENSOR (G2416602)

REMOVAL AND INSTALLATION

18.30.10	SENSOR – ENGINE COOLANT TEMPERATURE (ECTS) – RENEW	3000 CC, INGENIUM PETROL	2.50	USED WITHINS	
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PART(S)

STEP	PART NAME	QUANTITY
Installation Step 1	Coolant temperature sensor O-ring seal	1

REMOVAL

NOTES:

- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.
- This procedure contains illustrations showing certain components removed to provide extra clarity.

1. Raise and support the vehicle on a suitable 2-post lift.
Refer to: [Jacking and Lifting](#) (100-02 Jacking and Lifting, Description and Operation).
2. Partially drain the cooling system.
Refer to: [Cooling System Partial Draining and Vacuum Filling](#) (303-03C Engine Cooling - INGENIUM I6 3.0 L Petrol, General Procedures).
3. Remove the Belt Integrated Starter Generator (BISG).
Refer to: [Belt Integrated Starter Generator](#) (414-02C Generator and Regulator - INGENIUM I6 3.0L Petrol, Removal and Installation).

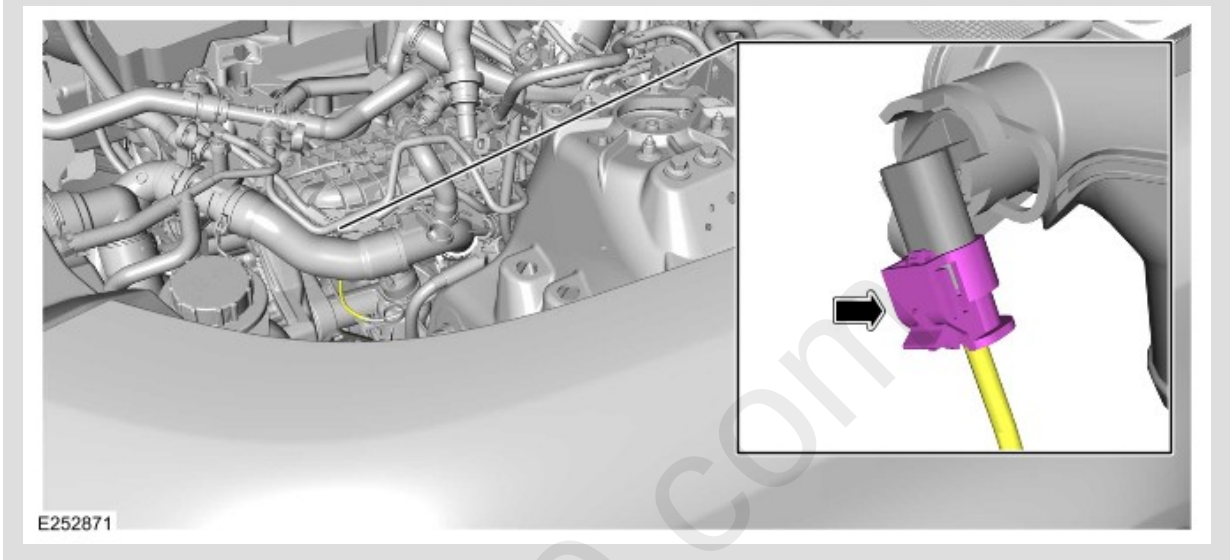
4. Remove the air filter outlet pipe.

Refer to: [Air Filter Outlet Pipe](#) (303-12C Intake Air Distribution and Filtering - INGENIUM I6 3.0L Petrol, Removal and Installation).

5. Remove the air filter housing.

Refer to: [Air Filter Housing](#) (303-12C Intake Air Distribution and Filtering - INGENIUM I6 3.0L Petrol, Removal and Installation).

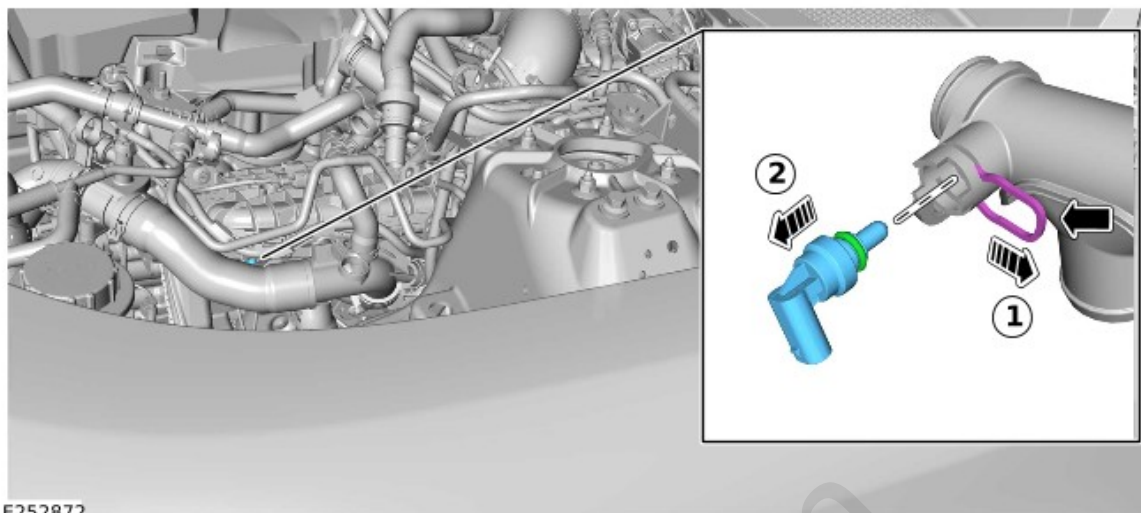
- 6.



Disconnect the electrical connector from the Engine Coolant Temperature (ECT) sensor.

⚠ WARNING:

Be prepared to collect escaping fluids.



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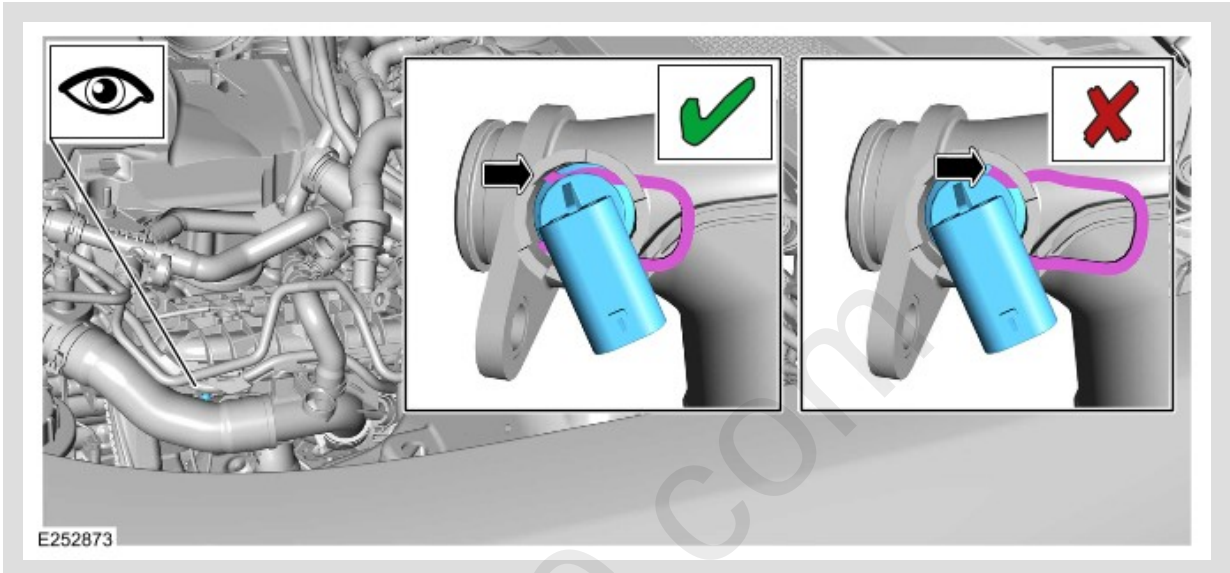
- Remove the ECT sensor clip.
- Remove the ECT sensor.
- Remove and discard the O-ring seal.

INSTALLATION

1.

⚠ CAUTIONS:

- Make sure that the mating surfaces are clean and free from debris and foreign material.
- Make sure that the clip is correctly located.



- Install the new O-ring seal.
Renew Part: [Coolant temperature sensor O-ring seal](#) Quantity: 1.
- Install the Engine Coolant Temperature (ECT) sensor.
- Install the ECT sensor clip.
- Connect the electrical connector to the ECT sensor.

2.

Install the air filter housing.

Refer to: [Air Filter Housing](#) (303-12C Intake Air Distribution and Filtering - INGENIUM I6 3.0L Petrol, Removal and Installation).

3.

Install the air filter outlet pipe.

Refer to: [Air Filter Outlet Pipe](#) (303-12C Intake Air Distribution and Filtering - INGENIUM I6 3.0L Petrol, Removal and Installation).

4.

Install the BISG.

Refer to: [Belt Integrated Starter Generator](#) (414-02C Generator and Regulator - INGENIUM I6 3.0L Petrol, Removal and Installation).

5. Fill the engine cooling system with the correct amount of engine coolant.

Refer to: [Cooling System Partial Draining and Vacuum Filling](#) (303-03C Engine Cooling - INGENIUM I6 3.0 L Petrol, General Procedures).

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