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2020.0 DEFENDER (LE), 303-04E

FUEL CHARGING AND CONTROLS - INGENIUM I6 3.0L PETROL

THROTTLE BODY (G2300693)

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REMOVAL AND INSTALLATION

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 1	Throttle body to intake manifold 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.

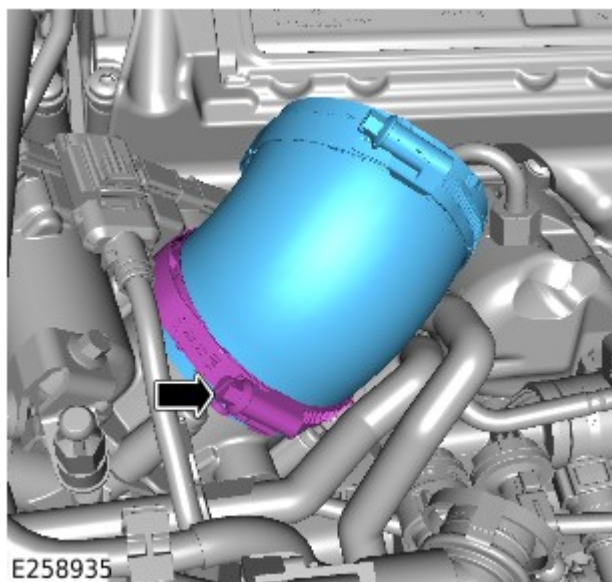
1. Partially drain the cooling system.

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

2. Position the charge air cooler into the service position.

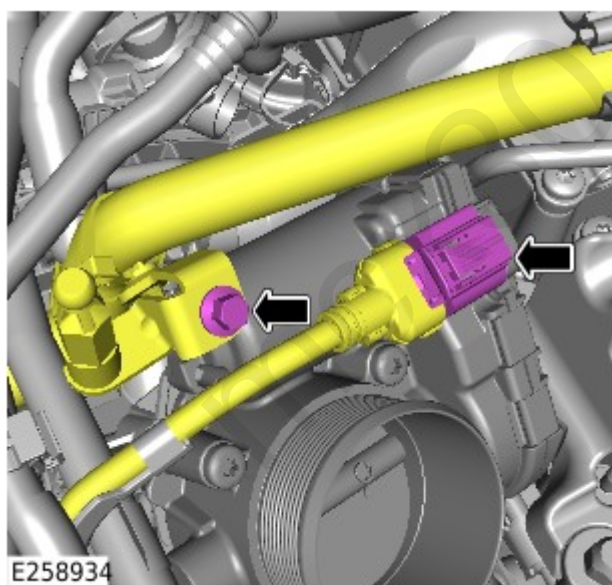
Refer to: [Charge Air Cooler Service Position](#) (303-12C Intake Air Distribution and Filtering - INGENIUM I6 3.0L Petrol, General Procedures).

3.



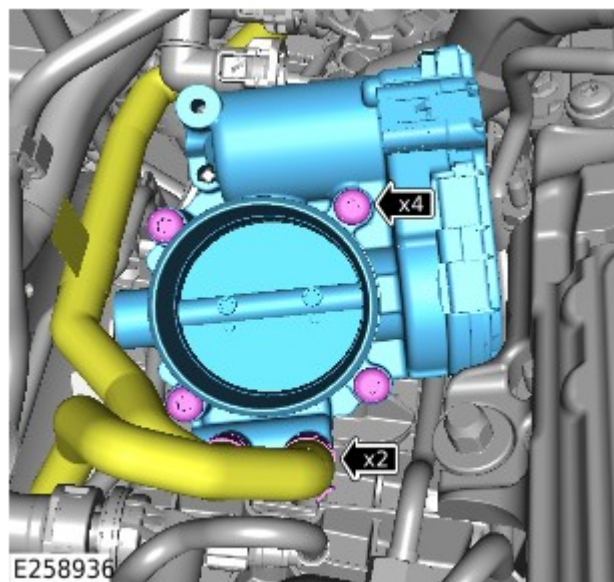
- Release the hose clamp.
- Remove the air intake hose.

4.



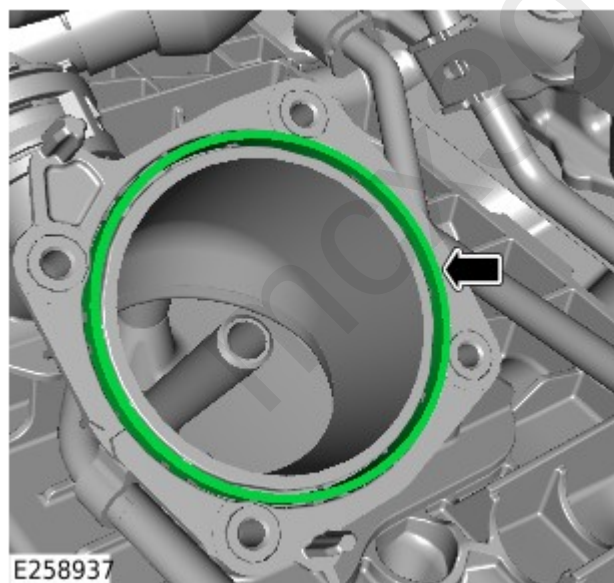
- Disconnect the electrical connector.
- Remove the coolant hose bracket bolt.

5.



- Disconnect the 2 coolant hoses.
- Remove the 4 bolts.
- Remove the throttle body.

6.



Remove and discard the throttle body seal.

INSTALLATION

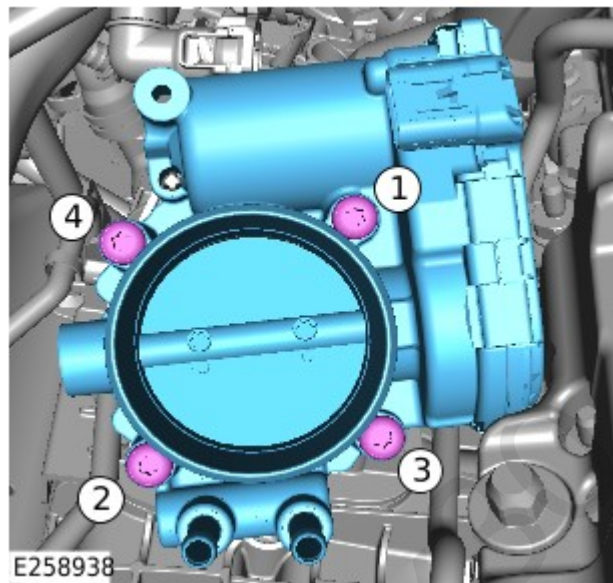
1. Install a new throttle body seal.

Renew Part: *Throttle body to intake manifold seal* Quantity: 1.

2.

⚠ CAUTION:

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



- Install the throttle body.
- Install and tighten the 4 bolts in the illustrated sequence.
Torque: 12Nm

3. Install the 2 coolant hoses.

4.

- Connect the electrical connector.
- Install and tighten the coolant hose bracket bolt.
Torque: 10Nm

5.

- Install the air intake hose.
- Tighten the hose clamp.
Torque: 3.5Nm

6. Install the charge air cooler.

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

7. Fill the cooling system.

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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