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2020.0 DEFENDER (LE), 303-03C

ENGINE COOLING – INGENIUM I6 3.0L PETROL

CHARGE AIR COOLER COOLANT PUMP (G2423958)

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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. Disconnect the startup battery ground cable.

Refer to: [Startup Battery Disconnect and Connect](#) (414-00 Battery and Charging System - General Information, General Procedures).

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. Raise and support the vehicle on a suitable 2-post lift.

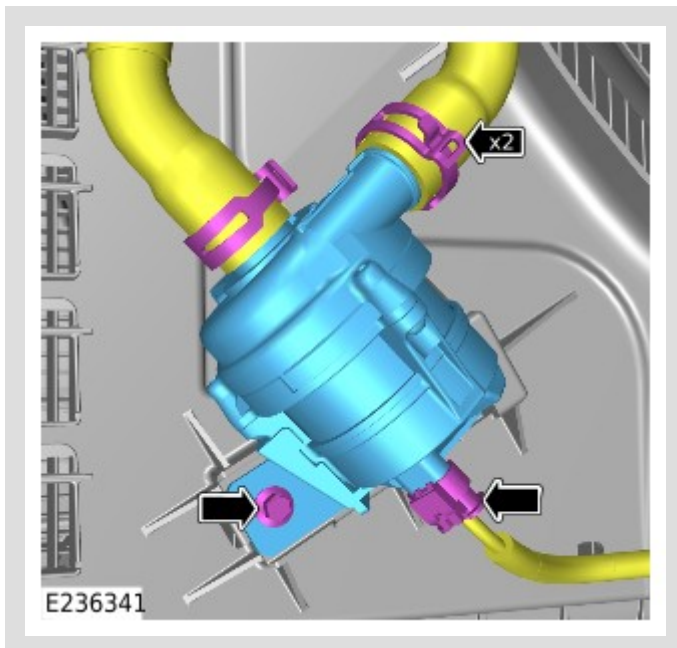
Refer to: [Jacking and Lifting](#) (100-02 Jacking and Lifting, Description and Operation).

4. Remove the engine undershield.

Refer to: [Engine Undershield](#) (501-02 Front End Body Panels, Removal and Installation).

⚠ CAUTION:

Be prepared to collect escaping coolant.



- Release the 2 clamps.
- Disconnect the 2 coolant hoses.
- Disconnect the electrical connector.
- Remove the bolt.
- Remove the charge air cooler coolant pump.

 NOTE:

Do not disassemble further if the component is removed for access only.



- Release the clip.
- Remove the 2 brackets.

INSTALLATION

1.

- Install the 2 brackets.
- Install the clip.

2.

- Install the charge air cooler coolant pump.
- Install and tighten the bolt.
Torque: 5.4Nm
- Connect the 2 coolant hoses.
- Install the 2 clamps.
- Connect the electrical connector.

3.

Install the engine undershield.

Refer to: [Engine Undershield](#) (501-02 Front End Body Panels, Removal and Installation).

4.

Connect the startup battery ground cable.

Refer to: [Startup Battery Disconnect and Connect](#) (414-00 Battery and Charging System - General Information, General Procedures).

5.

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

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