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2020.0 DEFENDER (LE), 303-12C

INTAKE AIR DISTRIBUTION AND FILTERING – INGENIUM I6 3.0L PETROL

CHARGE AIR COOLER SERVICE POSITION (G2410755)

GENERAL PROCEDURES

19.46.34	CHARGE AIR COOLER SERVICE POSITION	3000 CC, INGENIUM PETROL	1.40	USED WITHINS	
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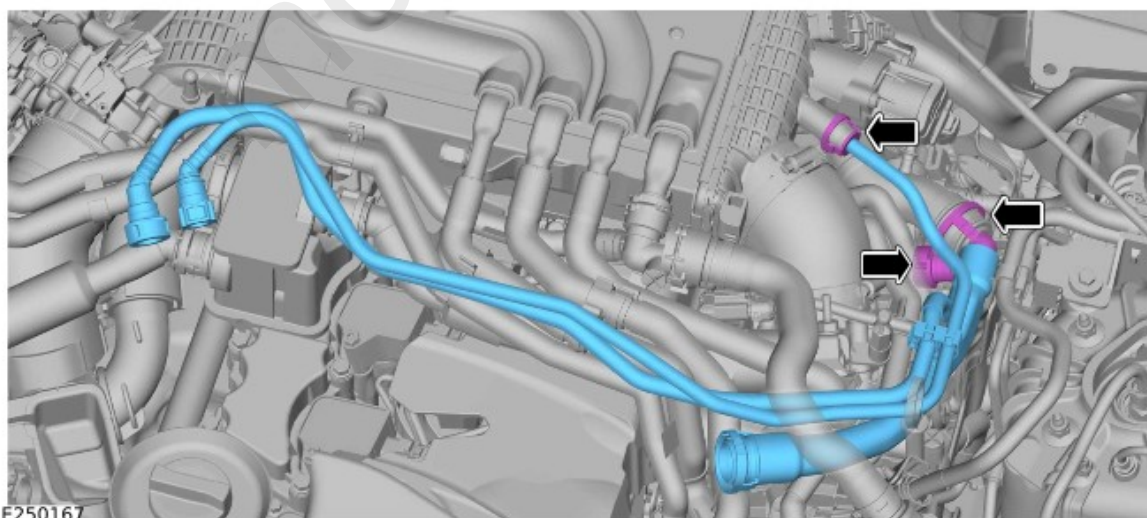
DISCONNECTION

NOTES:

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

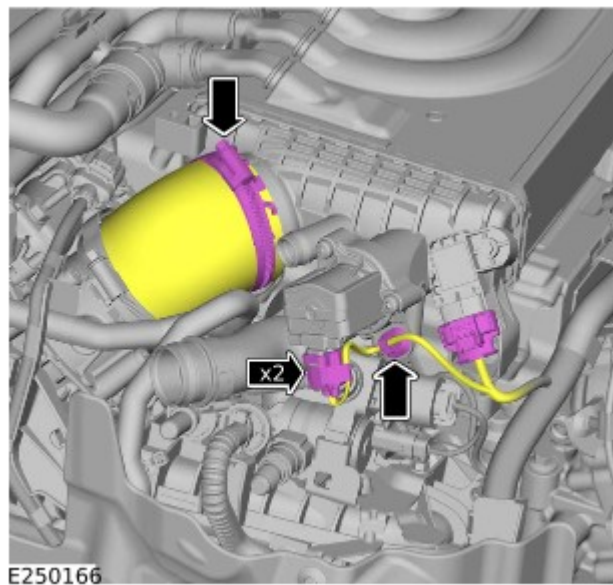
1. Raise and support the vehicle on a suitable 2 post lift.
Refer to: [Jacking and Lifting](#) (100-02 Jacking and Lifting, Description and Operation).
2. Disconnect the startup battery ground cable.
Refer to: [Startup Battery Disconnect and Connect](#) (414-00 Battery and Charging System - General Information, General Procedures).
3. Remove the secondary bulkhead center panel.
Refer to: Secondary Bulkhead Center Panel - INGENIUM I6 3.0L Petrol (501-02 Front End Body Panels, 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.



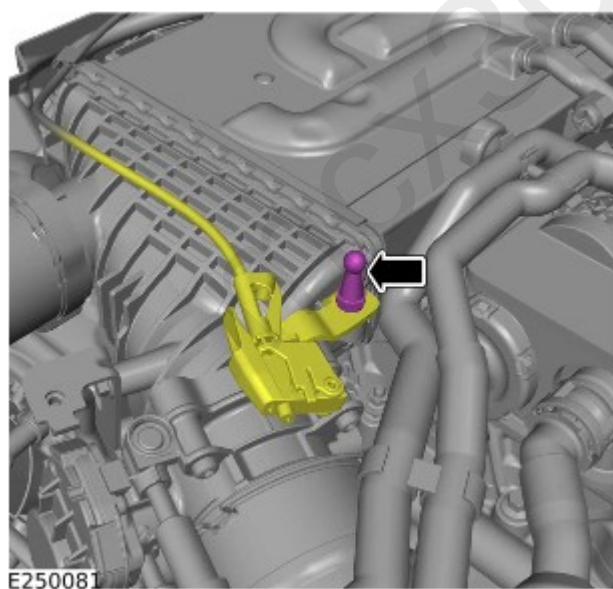
- Disconnect the 3 pipes.
- Remove the pipe assembly.

6.



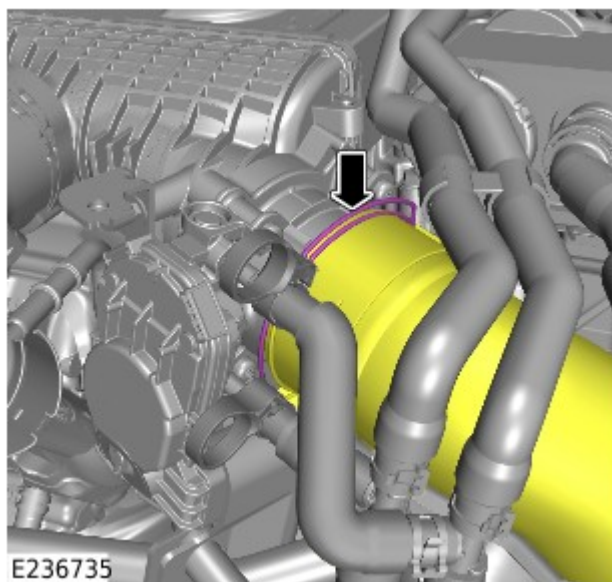
- Release the clamp.
- Disconnect the hose.
- Disconnect the 2 electrical connectors.
- Release the clip.

7.



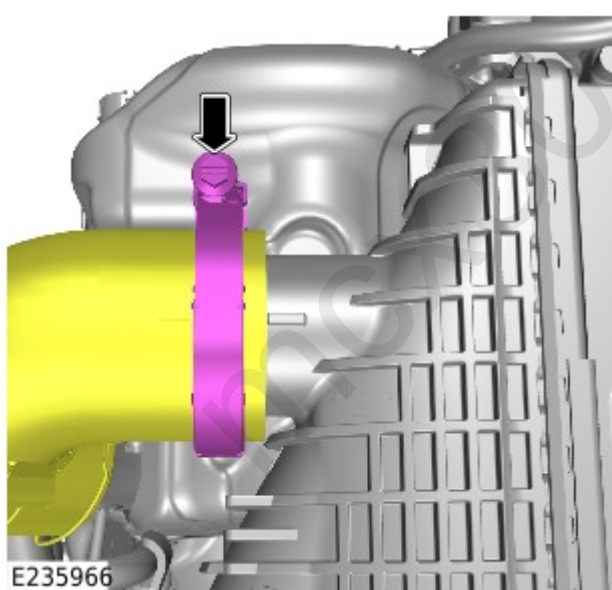
- Remove the engine cover mounting.
- Reposition the Emergency Park Release (EPR) lever away from the charge air cooler.

8.



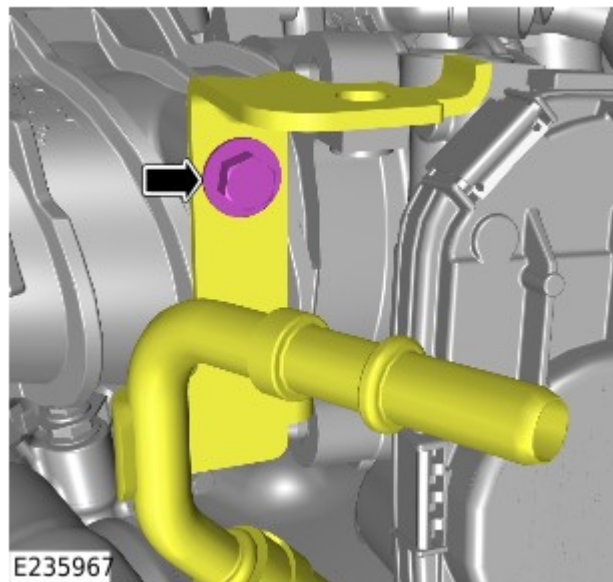
- Release the clip.
- Disconnect the hose.

9.



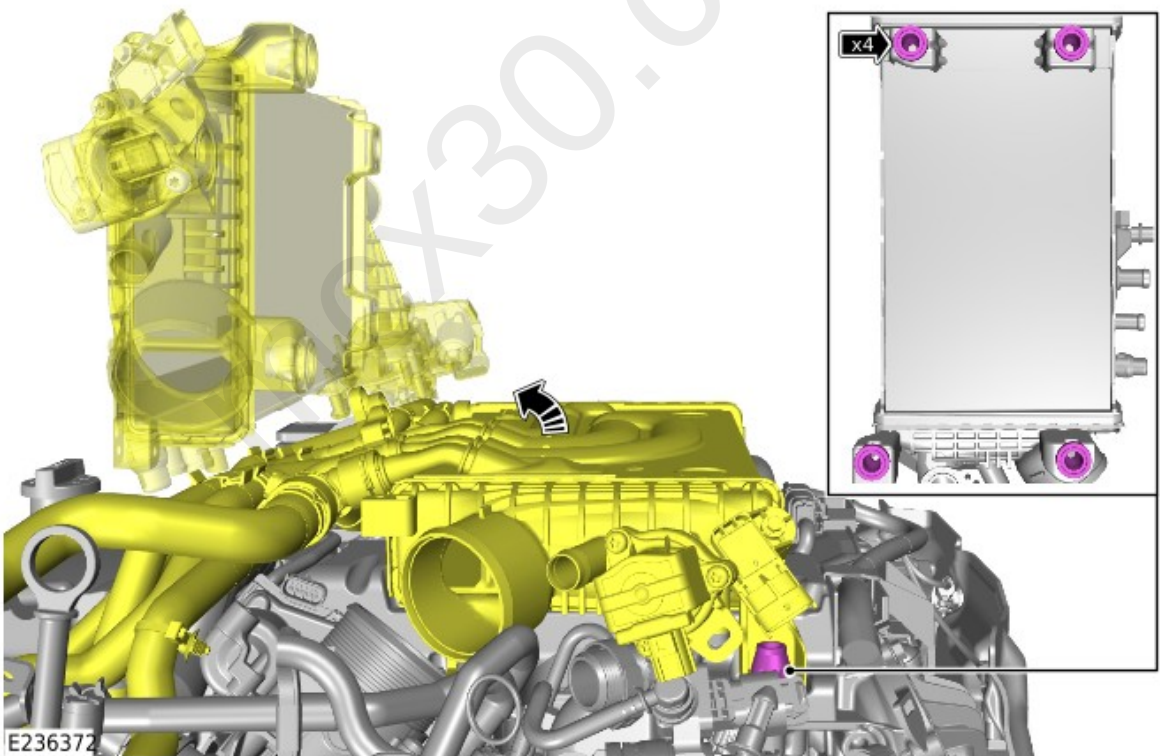
- Release the clamp.
- Disconnect the hose.

10.



- Remove the bolt.
- Reposition the bracket.

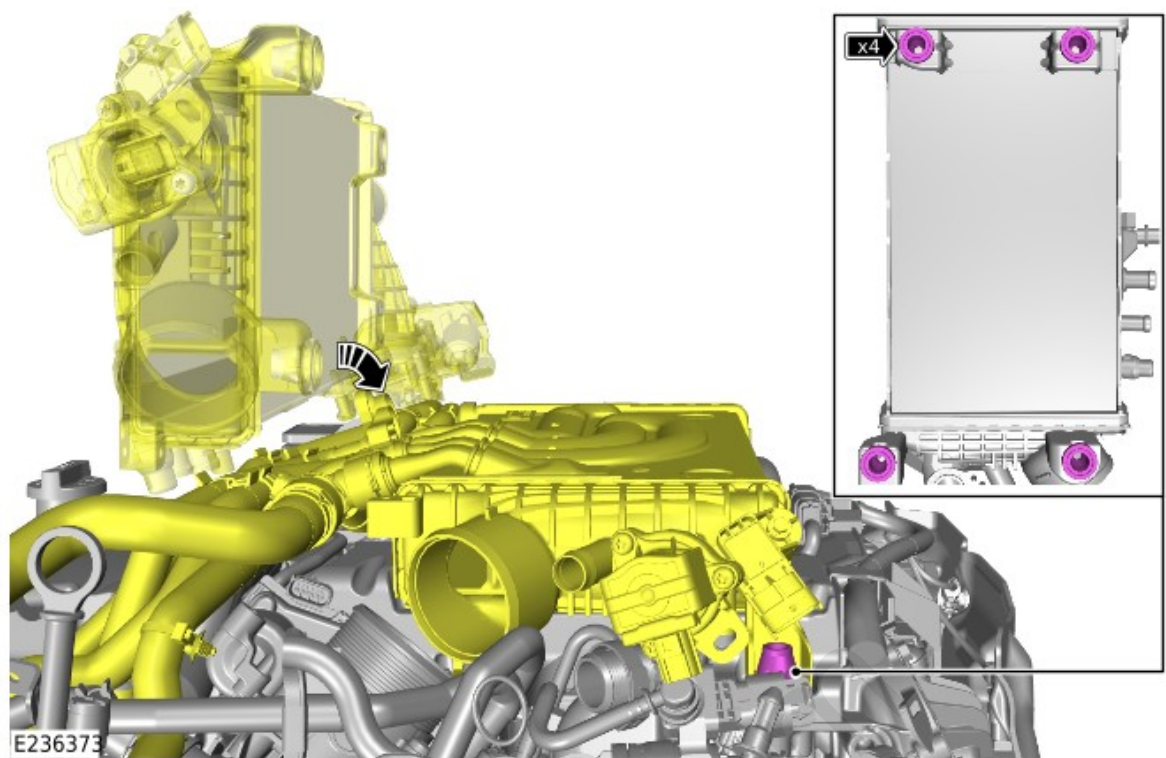
11.



- Release the charge air cooler from the 4 grommets.
- Reposition the charge air cooler.

CONNECT

1.



- Reposition the charge air cooler in the correct location.
- Install the charge air cooler to the 4 grommets.

2.

- Install the bracket.
- Install and tighten the bolt.
Torque: 9Nm

3.

- Connect the hose.
- Install and tighten the clamp.
Torque: 5.25Nm

4.

Connect the hose.

5.

- Reposition the Emergency Park Release (EPR) lever in the correct location.
- Install and tighten the engine cover mounting.

6.

- Connect the 2 electrical connectors.
- Install the clip.
- Connect the hose.
- Install and tighten the clamp.

Torque: 5.25Nm

7.

- Install the pipe assembly.
- Connect the 3 pipes.

8.

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).

9.

Install the secondary bulkhead center panel.

Refer to: Secondary Bulkhead Center Panel - INGENIUM I6 3.0L Petrol (501-02 Front End Body Panels, Removal and Installation).

10.

Connect the startup battery ground cable.

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