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2020.0 DEFENDER (LE), 303-07C

ENGINE IGNITION - INGENIUM I6 3.0L PETROL

IGNITION COIL-ON-PLUG (G2344516)

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REMOVAL

 CAUTION:

Before disconnecting any components, make sure the area is clean and free from foreign material. When disconnected all openings must be sealed.

 NOTE:

- 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).

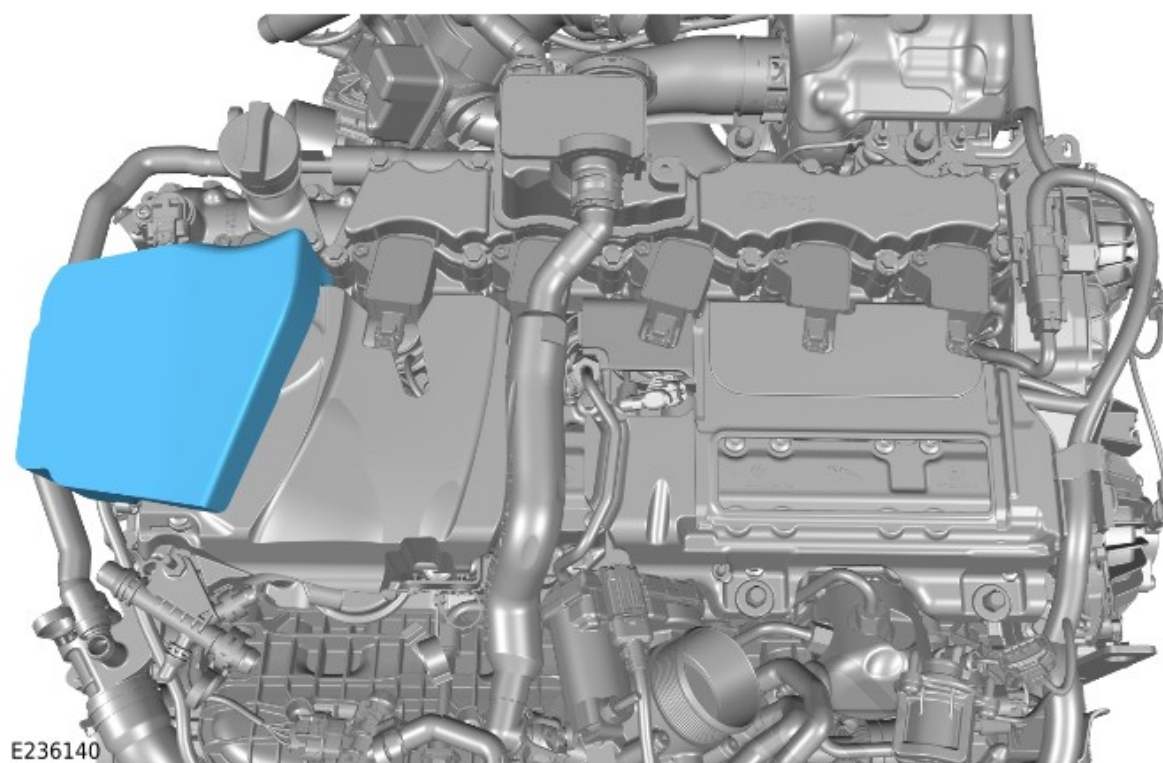
2. Position the charge air cooler in the service position.

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

3. Remove the air filter outlet pipe.

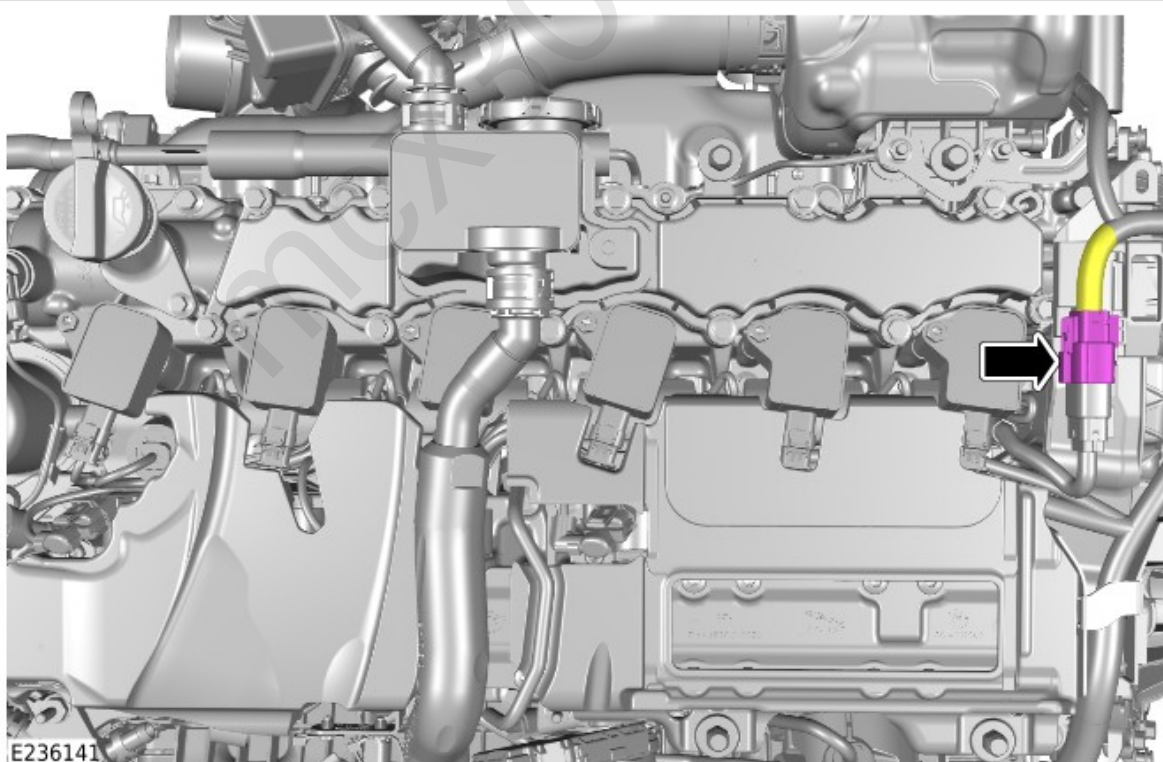
Refer to: [Air Filter Outlet Pipe](#) (303-12C Intake Air Distribution and Filtering - INGENIUM I6 3.0L Petrol, Removal and Installation).

4.



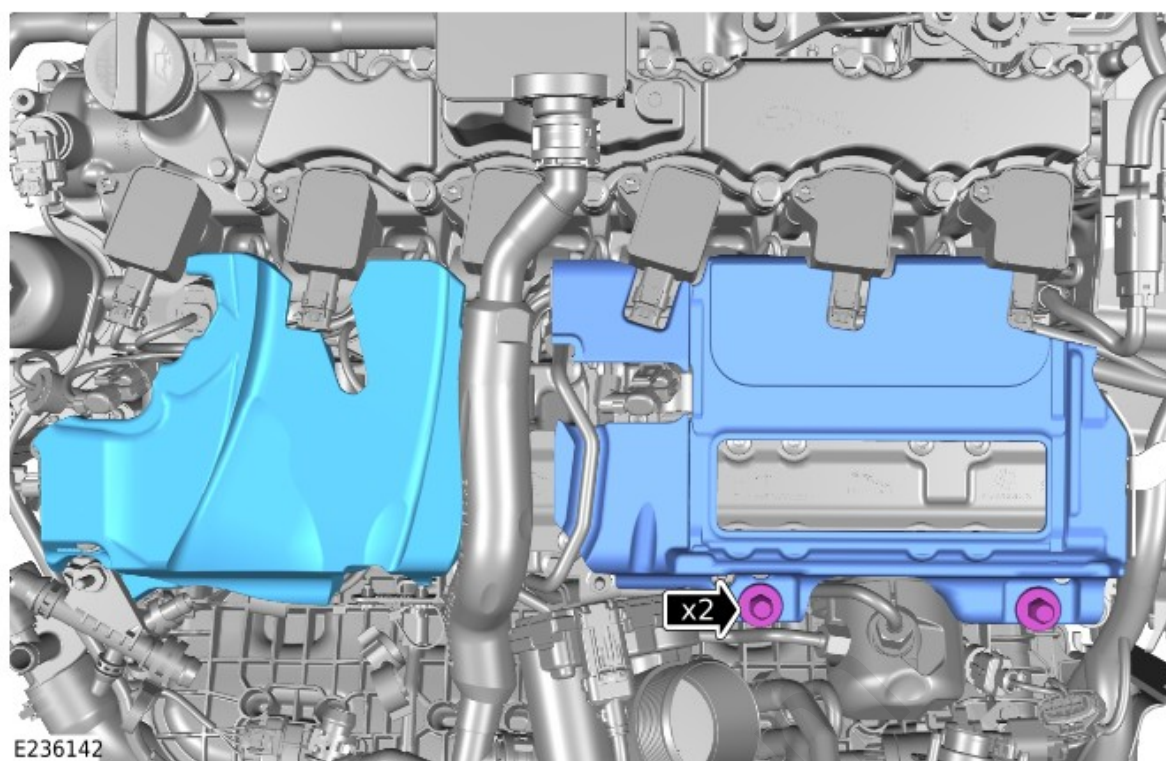
Remove the Noise, Vibration and Harshness (NVH) material.

5.



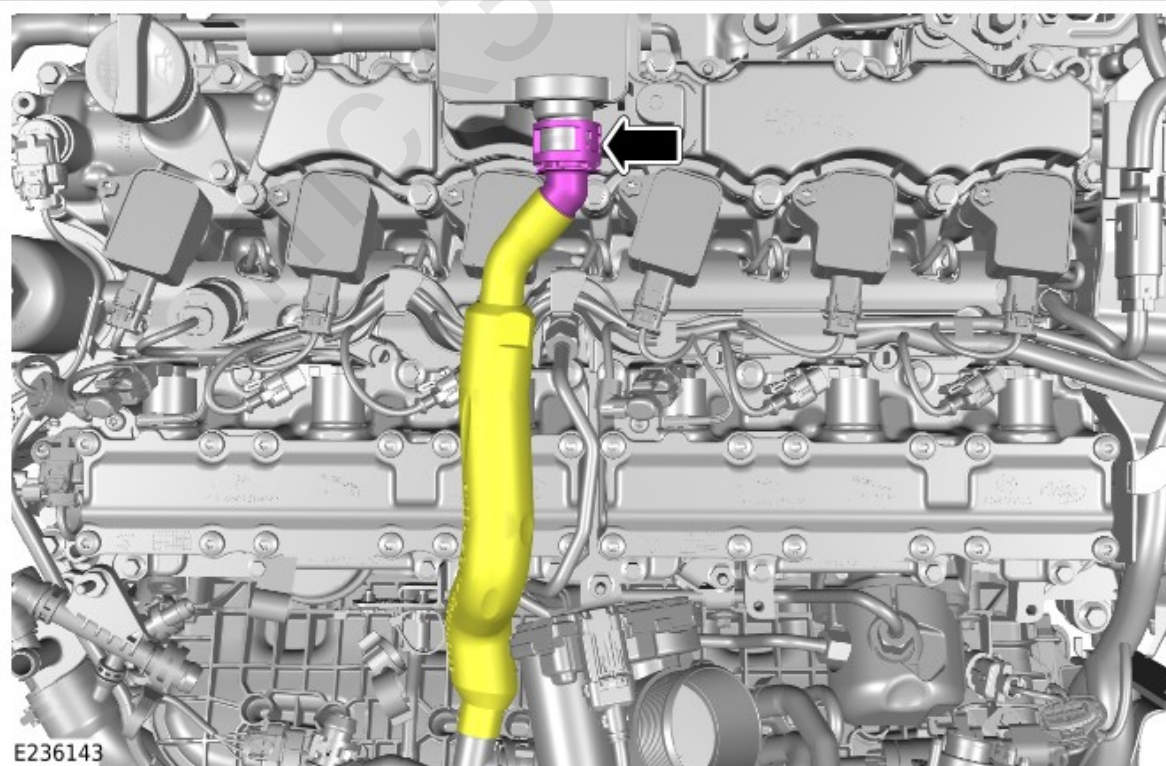
Disconnect the fuel injector wiring harness electrical connector.

6.



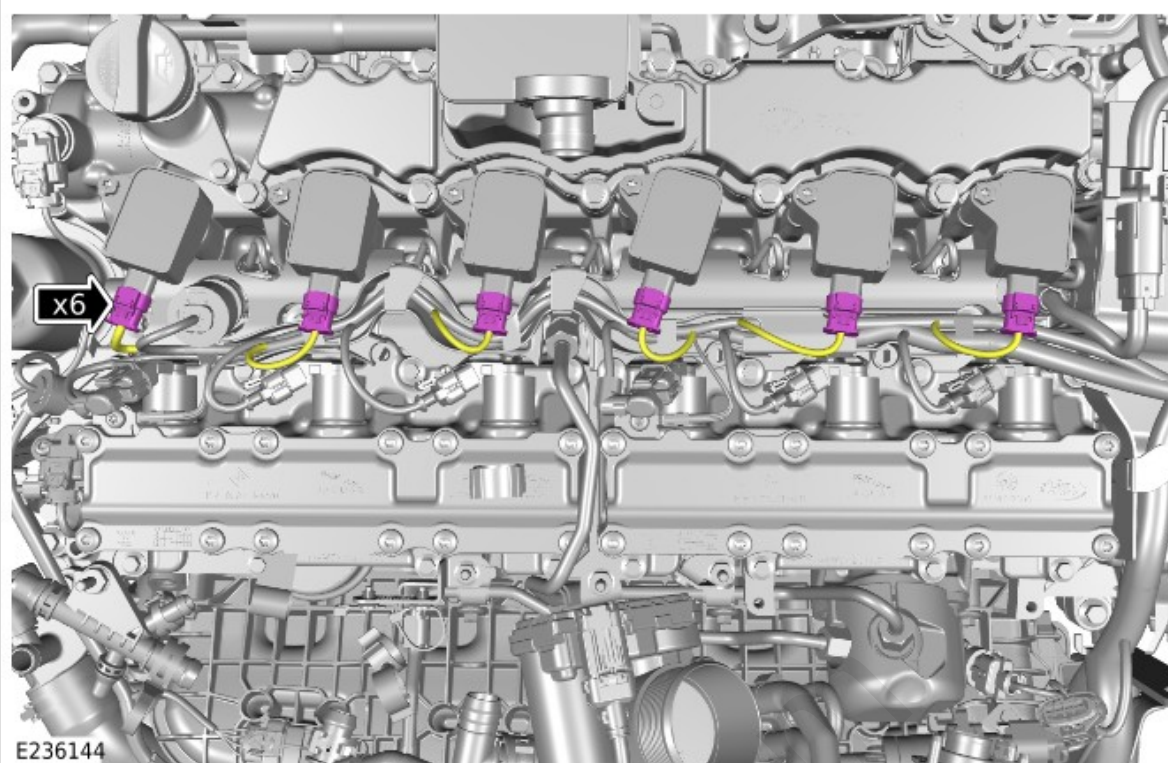
- Remove the 2 bolts.
- Remove the 2 Noise, Vibration and Harshness (NVH) components.

7.



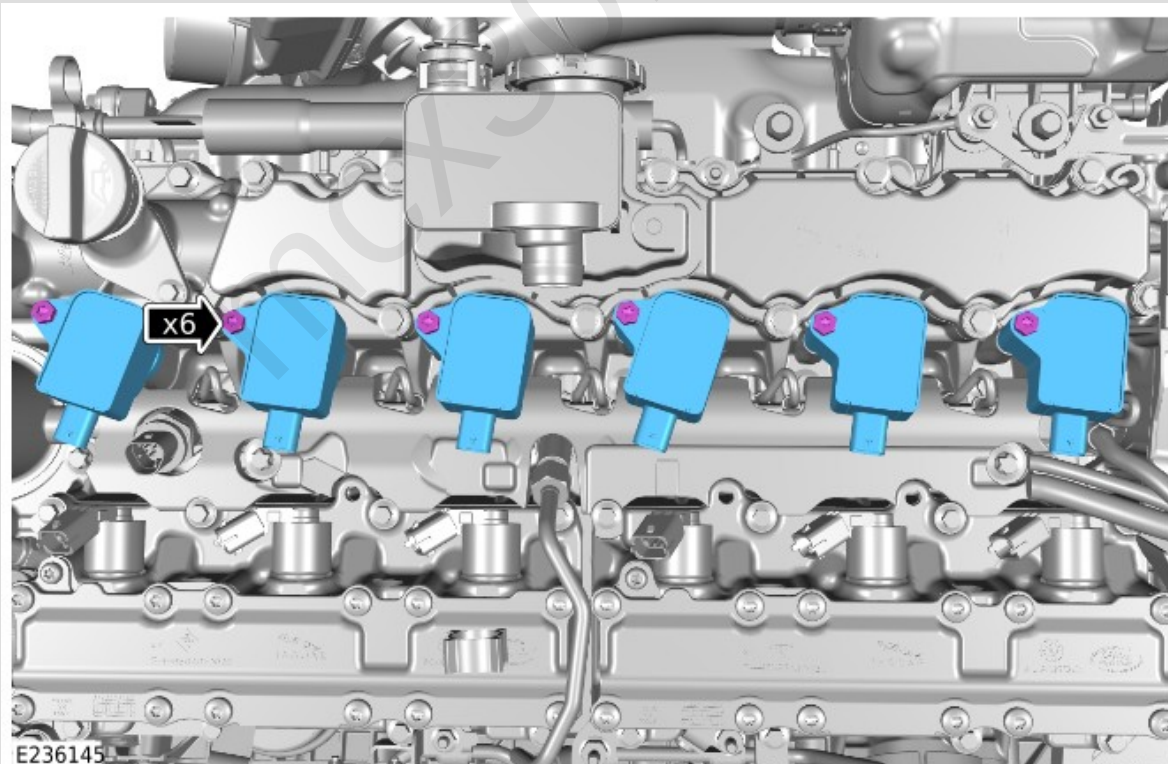
Disconnect the breather hose.

8.



Disconnect the 6 electrical connectors from the 6 ignition coil on-plugs.

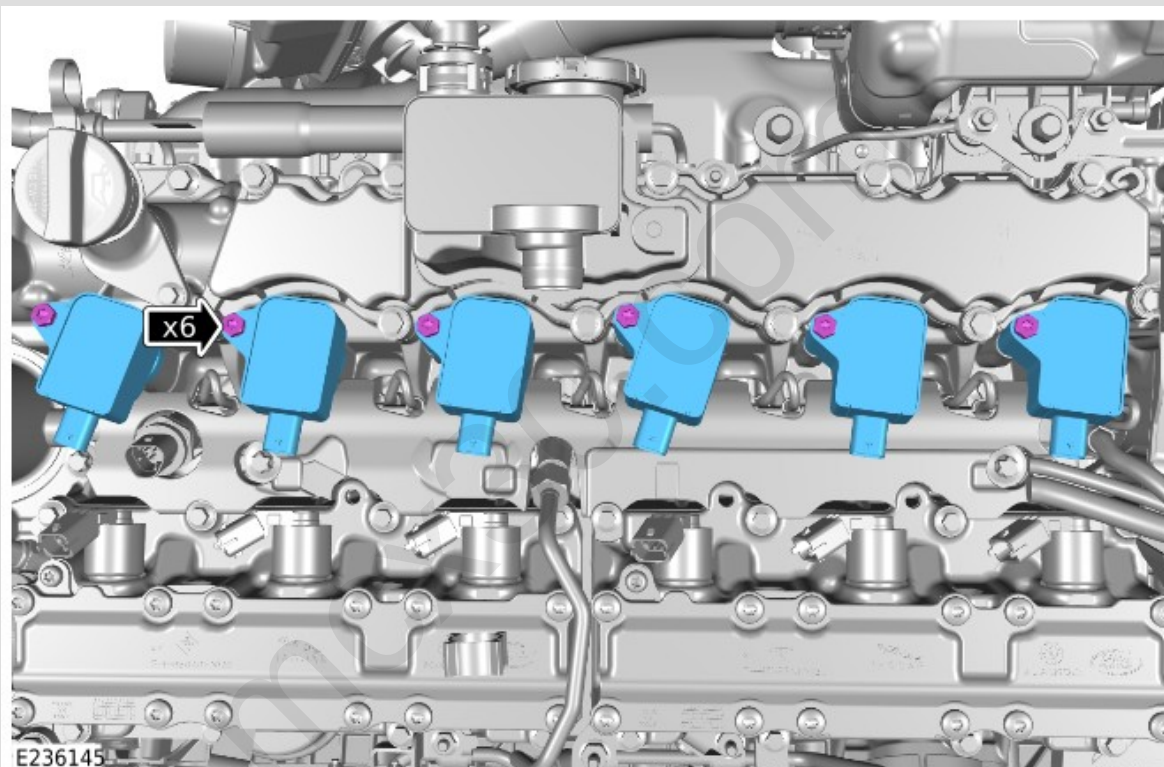
9.



- Remove the 6 bolts.
- Remove the 6 ignition coil-on-plugs.

⚠ CAUTIONS:

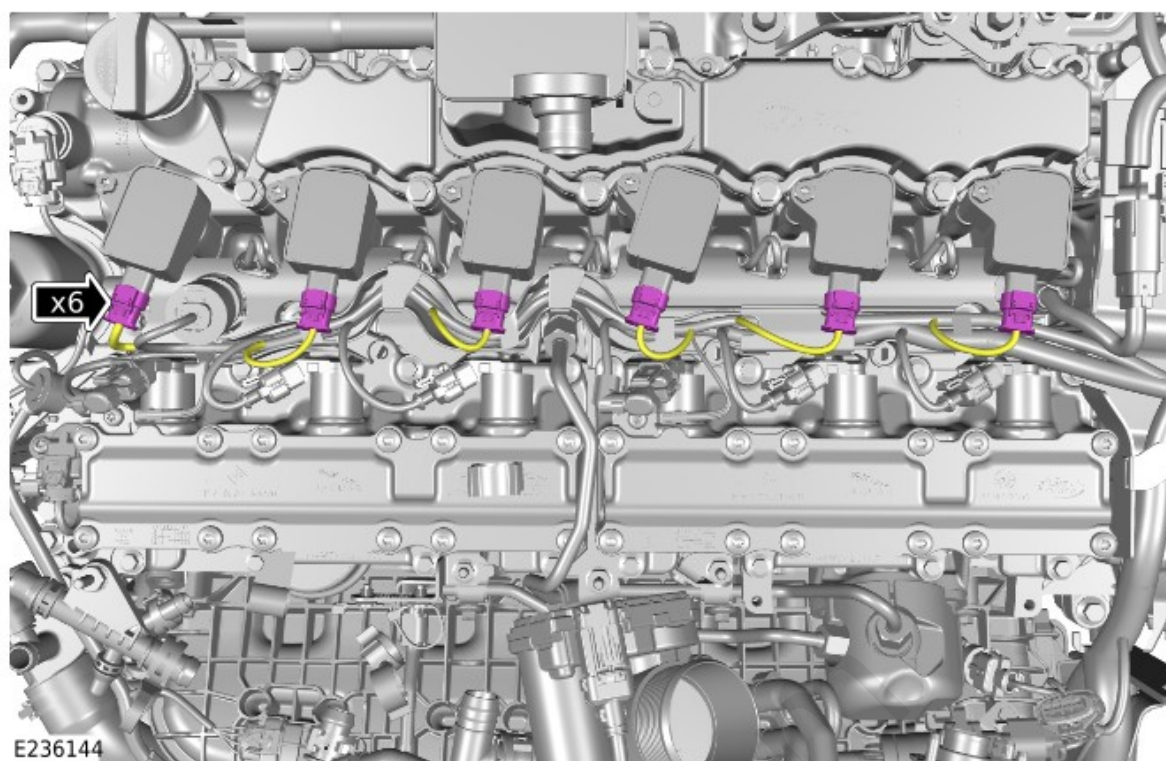
- Make sure that the spark plug ceramic insulator and terminal pin are wiped/cleaned dry using a soft clean cloth.
- Make sure that the ignition coil-on-plug rubber boot is pushed down fully over the spark plug ceramic insulator. Double check by installing the ignition coil-on-plug as usual and then pushing on the ignition coil-on-plug head gently for a second time to make sure that the ignition coil-on-plug rubber boot has seated correctly over the spark plug insulator.



- Install the 6 ignition coil on-plugs.
- Install and tighten the 6 bolts.

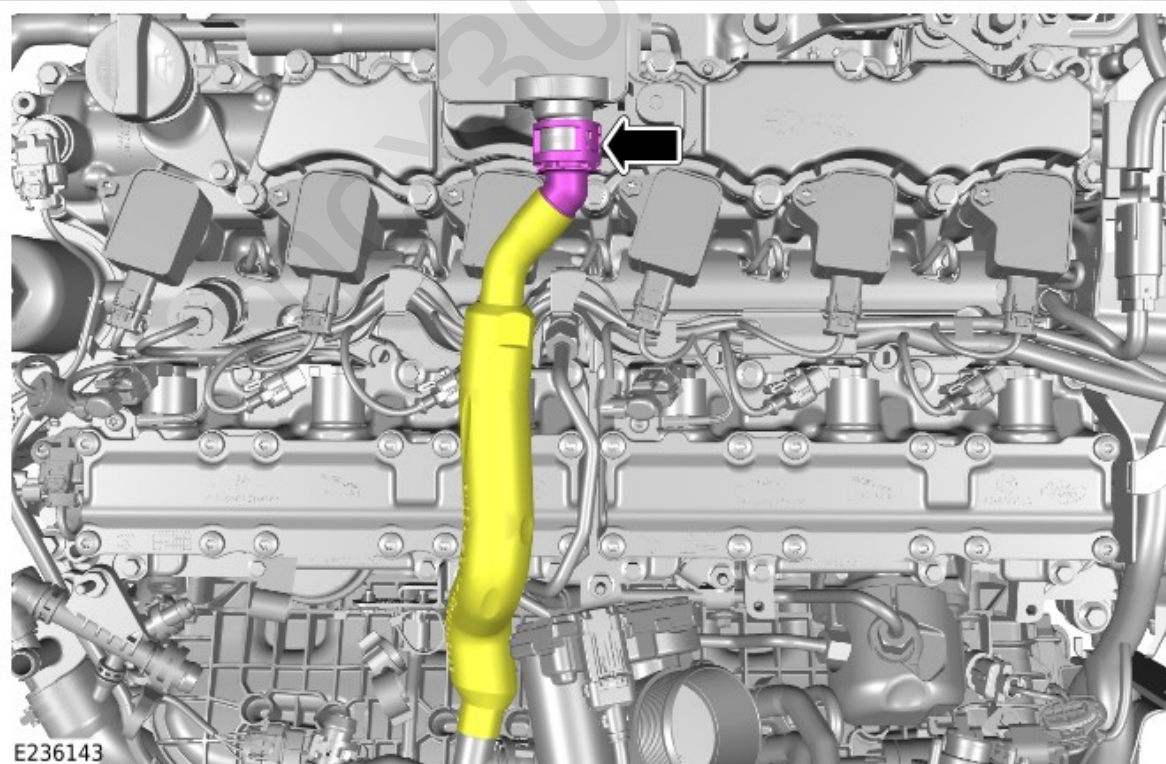
Torque: 8Nm

2.



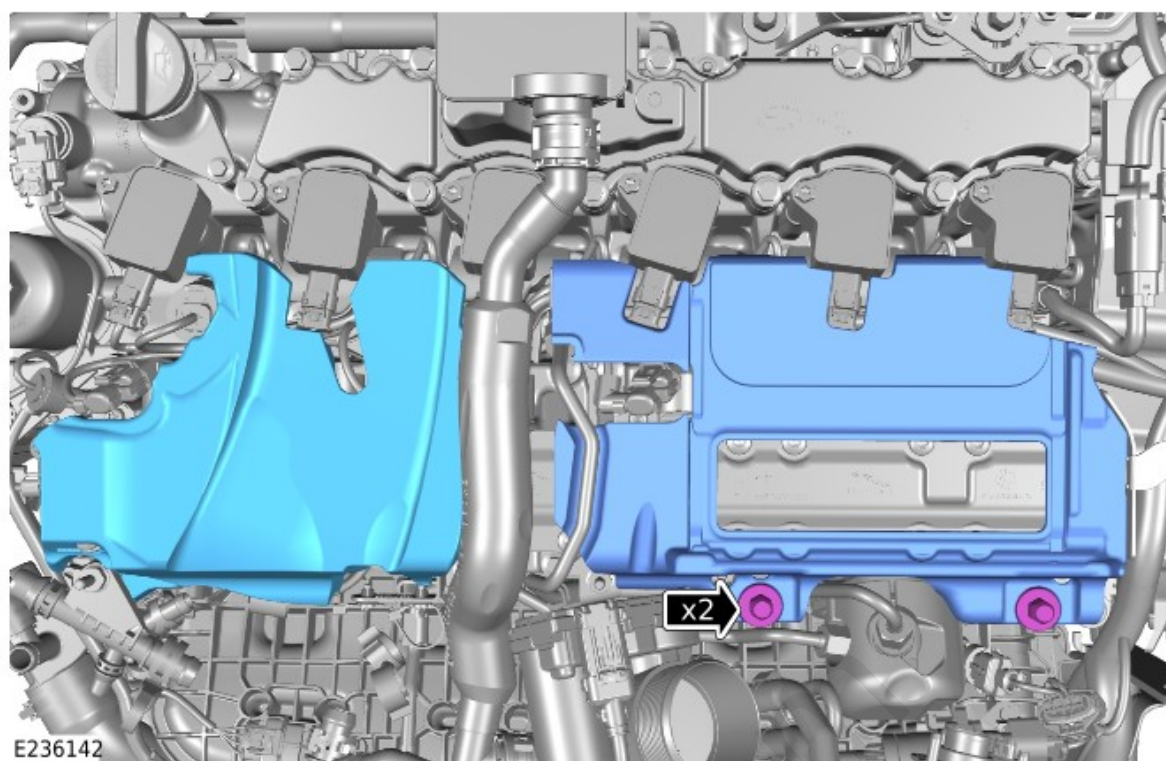
Connect the 6 electrical connectors to the 6 ignition coil on-plugs.

3.



Connect the breather hose.

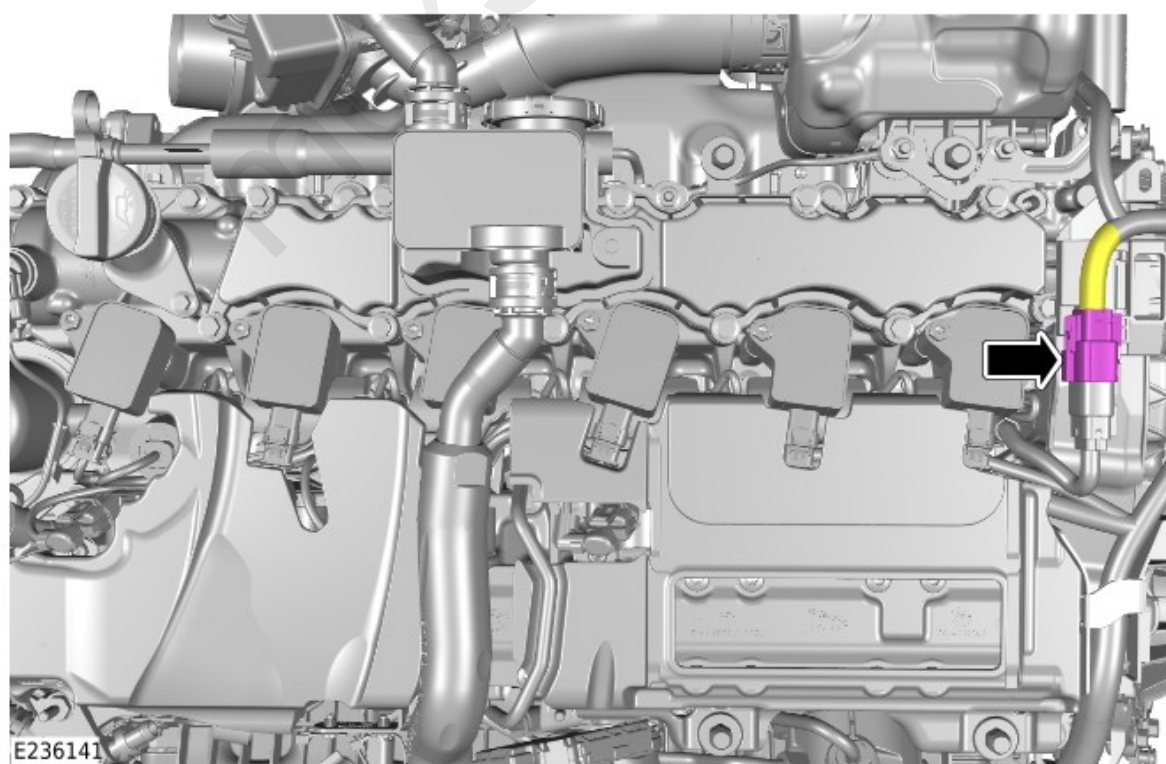
4.



- Install the 2 Noise, Vibration and Harshness (NVH) components.
- Install and tighten the 2 bolts.

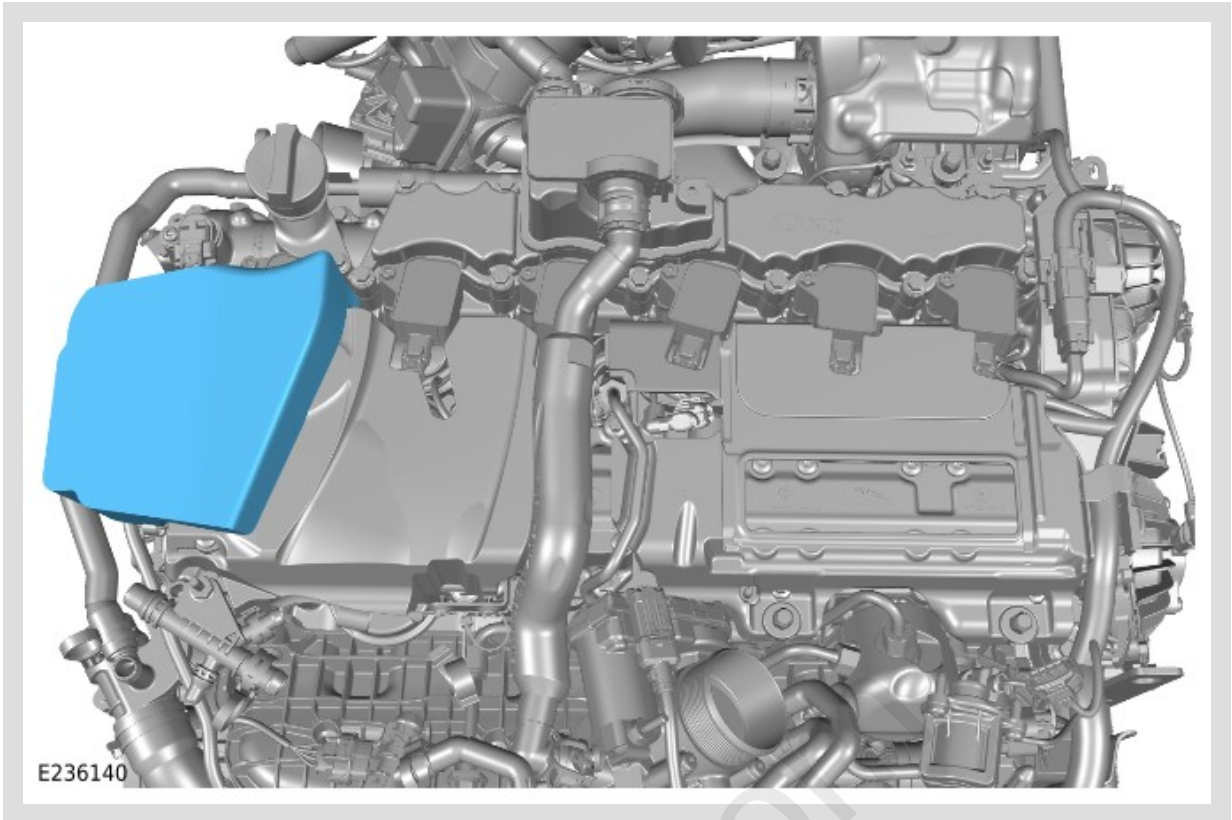
Torque: 10Nm

5.



Connect the fuel injector wiring harness electrical connector.

6.



Install the NVH material.

7.

Reposition the charge air cooler in the correct location.

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

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.

Connect the startup battery ground cable.

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