

PUBLISHED: 03-SEP-2020
2020.0 DEFENDER (LE), 501-19

BUMPERS

FRONT ARMATURE (G2415720)

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REMOVAL

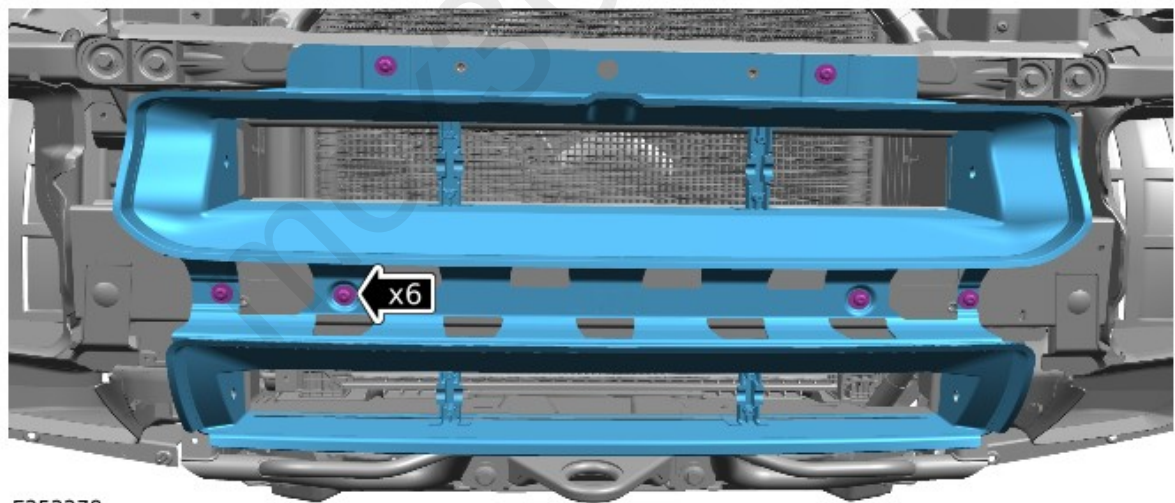
 NOTE:

- 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. 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. Remove the front bumper.
Refer to: [Front Bumper](#) (501-19 Bumpers, Removal and Installation).

- 3.



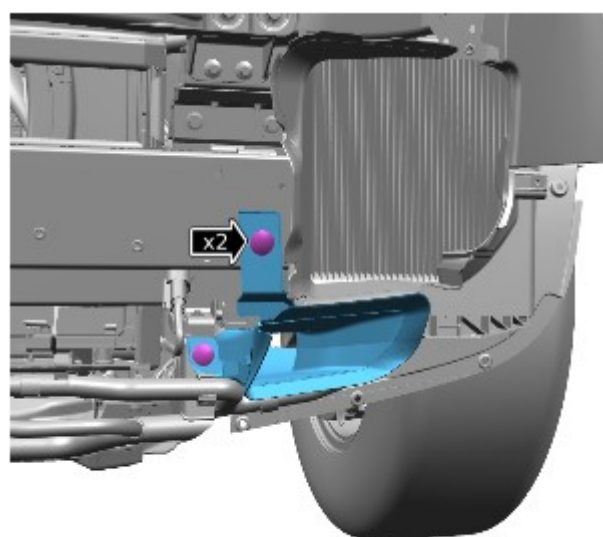
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- Remove the 6 screws.
- Remove the lower air deflector.

4.

 NOTE:

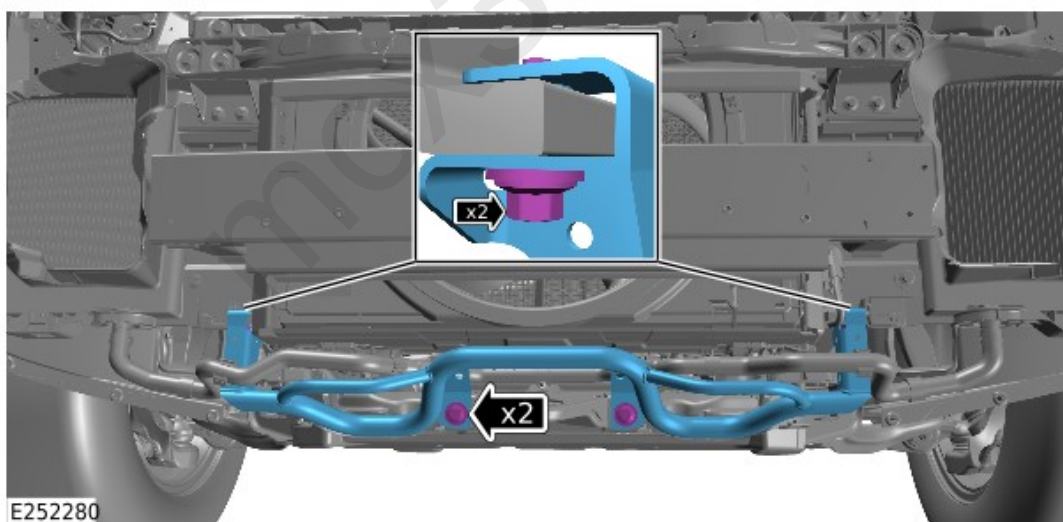
Repeat the step for the other side.



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- Remove the 2 clips.
- Remove the brake cooling air duct.

5.

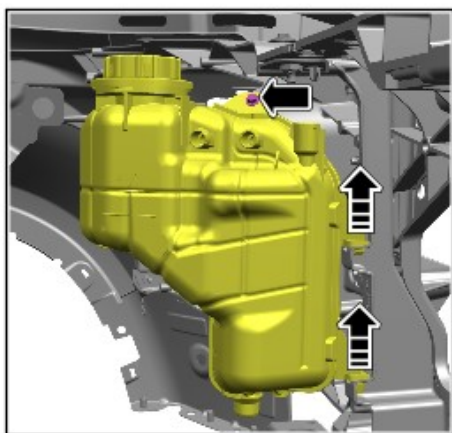


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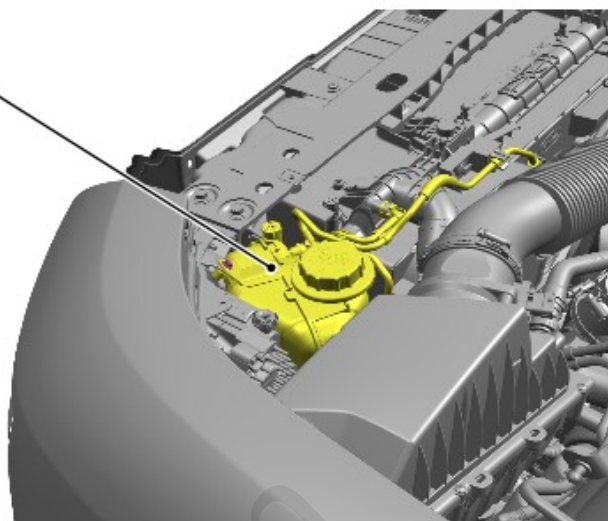
- Remove the 4 bolts.
- Remove the cooling module protector assembly.

ⓘ CAUTION:

Care must be taken not to damage the component.

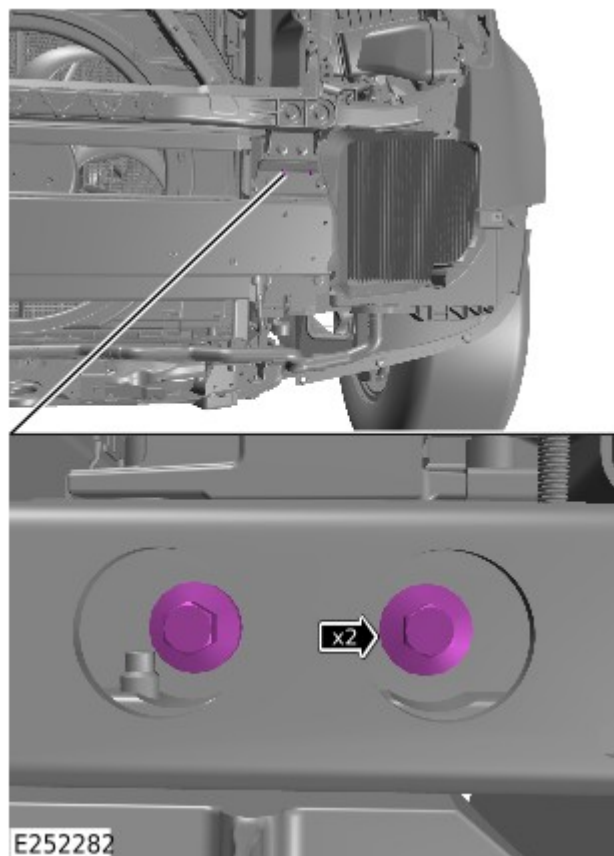


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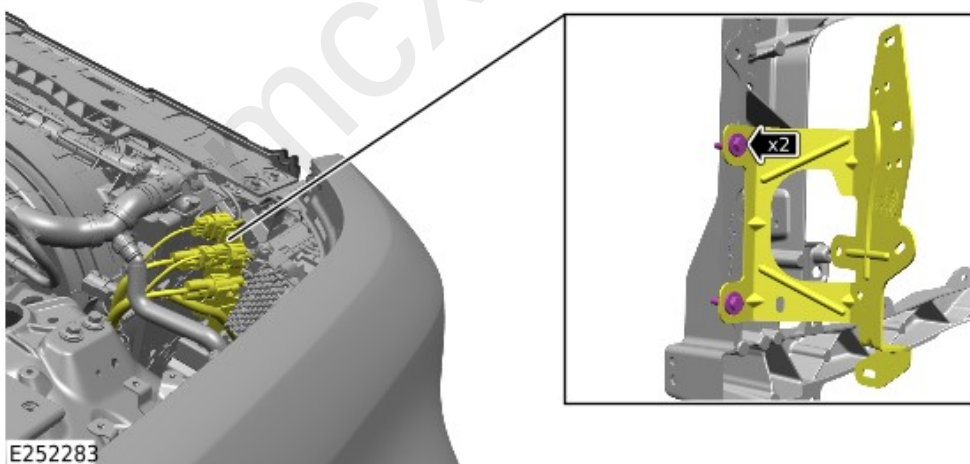
- Remove the bolt.
- Release the coolant expansion tank.
- Reposition the coolant expansion tank to get access to the 2 front armature upper bolts on the left side.

7.



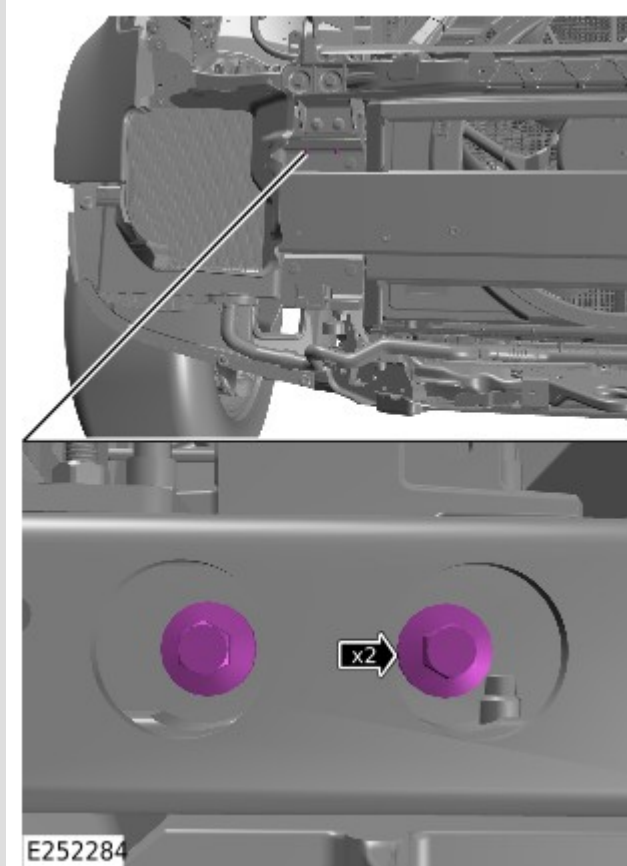
Remove the 2 front armature upper bolts on the left side.

8.



- Remove the 2 bolts.
- Reposition the engine wiring harness support bracket to get access to the 2 front armature upper bolts on the right side.

9.



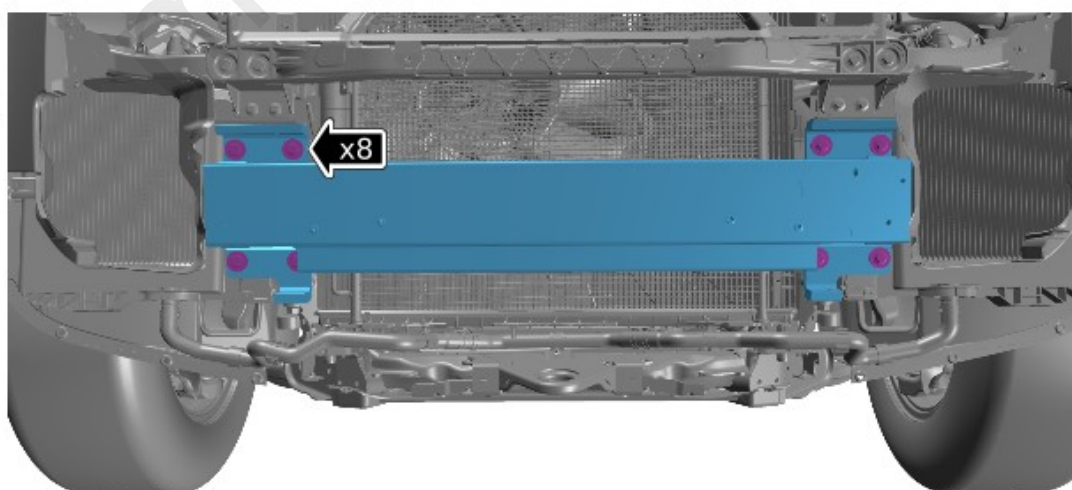
Remove the 2 front armature upper bolts on the right side.

10.



WARNING:

This step requires the aid of another technician.



- Remove the 8 bolts.
- With assistance, remove the front armature.

INSTALLATION

1.

- With assistance, install the front armature.
- Install and tighten the 8 front armature bolts.

Torque: 55Nm

2.

Install and tighten the 4 front armature upper bolts on both sides.

Torque: 55Nm

3.

- Install the engine wiring harness support bracket.
- Install and tighten the 2 wiring harness support bracket bolts.

Torque: 9Nm

4.



CAUTION:

Care must be taken not to damage the component.

- Install the coolant expansion tank.
- Install and tighten the coolant expansion tank bolt.

Torque: 9Nm

5.

- Install the cooling module protector assembly.
- Install and tighten the 4 cooling module protector bolts.

Torque

M10: **45Nm**

M12: **90Nm**

6.



NOTE:

Repeat the step for the other side.

- Install the brake cooling air duct.
- Install the 2 brake cooling air duct clips.

7.

- Install the lower air deflector.
- Install and tighten the 6 lower air deflector screws.

Torque: 5Nm

8.

Install the front bumper.

Refer to: [Front Bumper](#) (501-19 Bumpers, Removal and Installation).

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