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2020.0 DEFENDER (LE), 102-03

EXTERIOR

FRONT UNDERSHIELD – PART NUMBER: VPLEP0436 [G2409780]

REMOVAL AND INSTALLATION

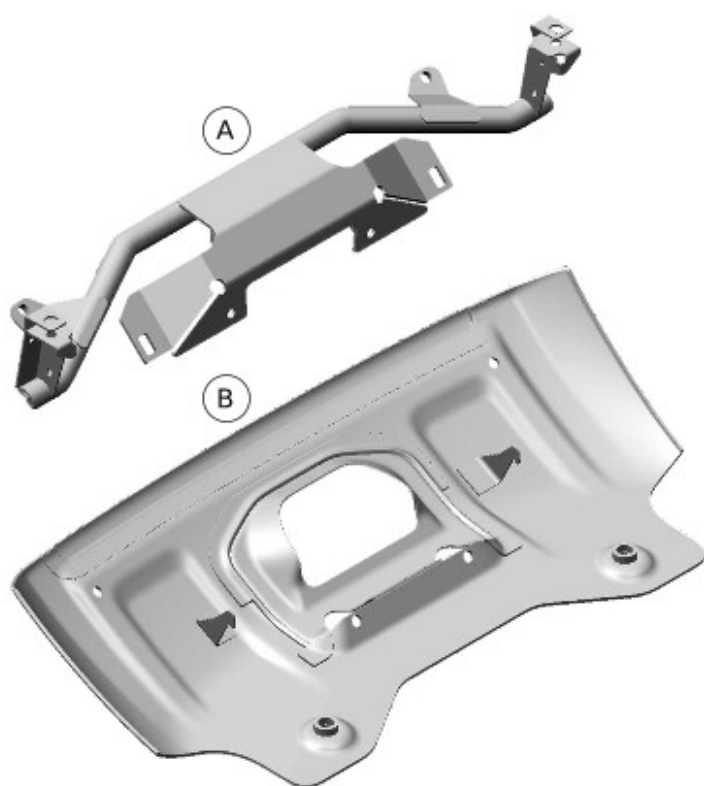
VPLEP0436

WARNING:

Accessories which are not correctly installed can be dangerous. Read the instructions carefully prior to installation. Comply with instructions at all times. If in doubt, contact your nearest approved retailer.

NOTE:

This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.



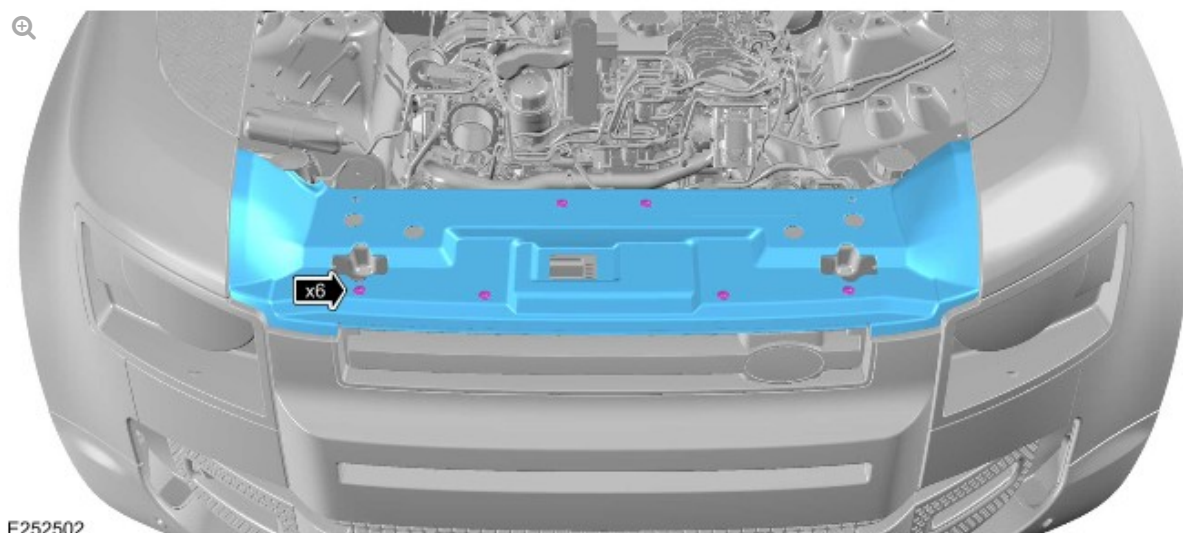
E250550



REMOVAL

1. Open the hood.
-

2.

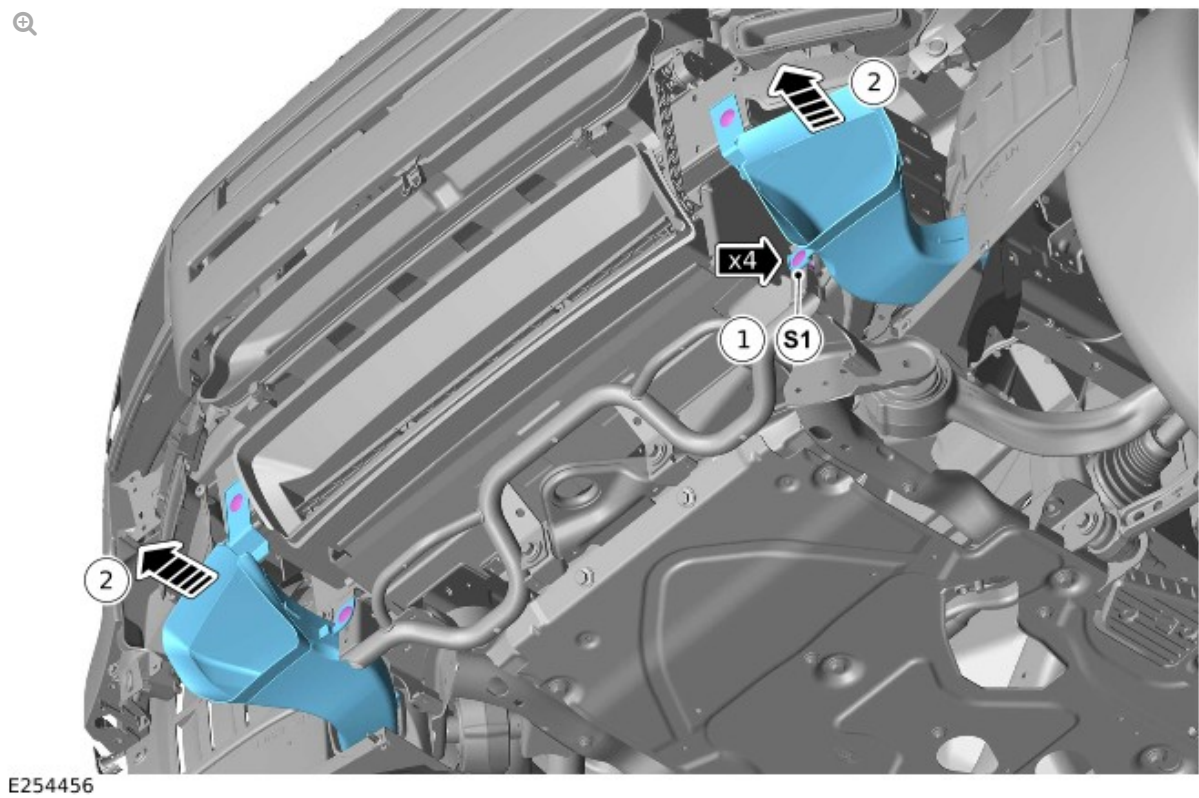


Remove the hood latch panel finisher.

- Remove the 6 clips.
- Remove the hood latch panel finisher.

3. Remove the front bumper from the vehicle. For additional information, refer to: [Front Bumper](#) (501-19 Bumpers, Removal and Installation).

4.



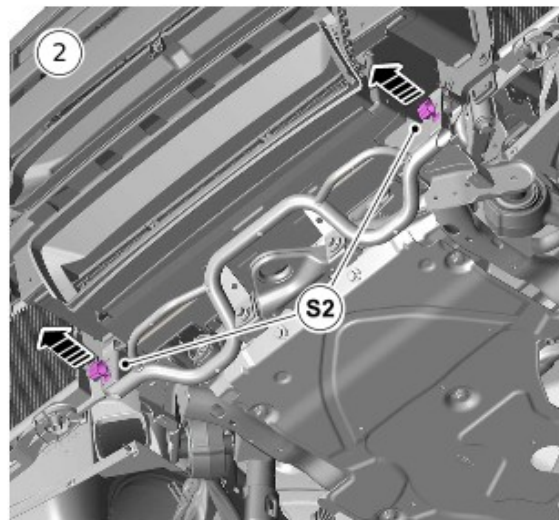
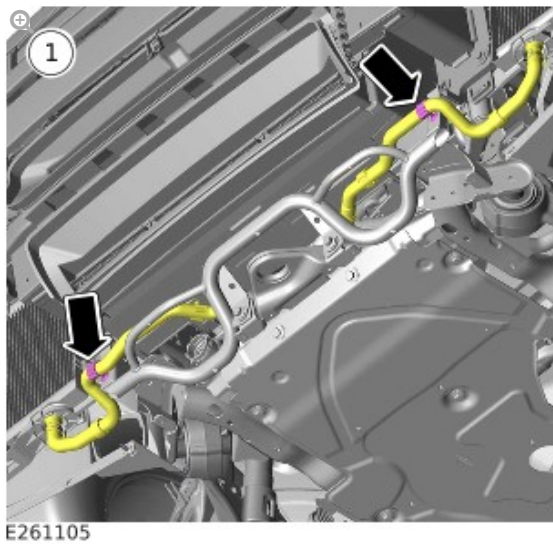
Remove the 2 brake ducts as illustrated. Retain the 4 fixings (S1) that secure the brake ducts to the cooling module protector.

1. Remove the 4 brake duct fixings (S1) and retain.
2. Remove the 2 brake ducts and retain.

5.

CAUTION:

On P6 vehicle variants there is a cooling pipe that must be removed from the cooling module protector.



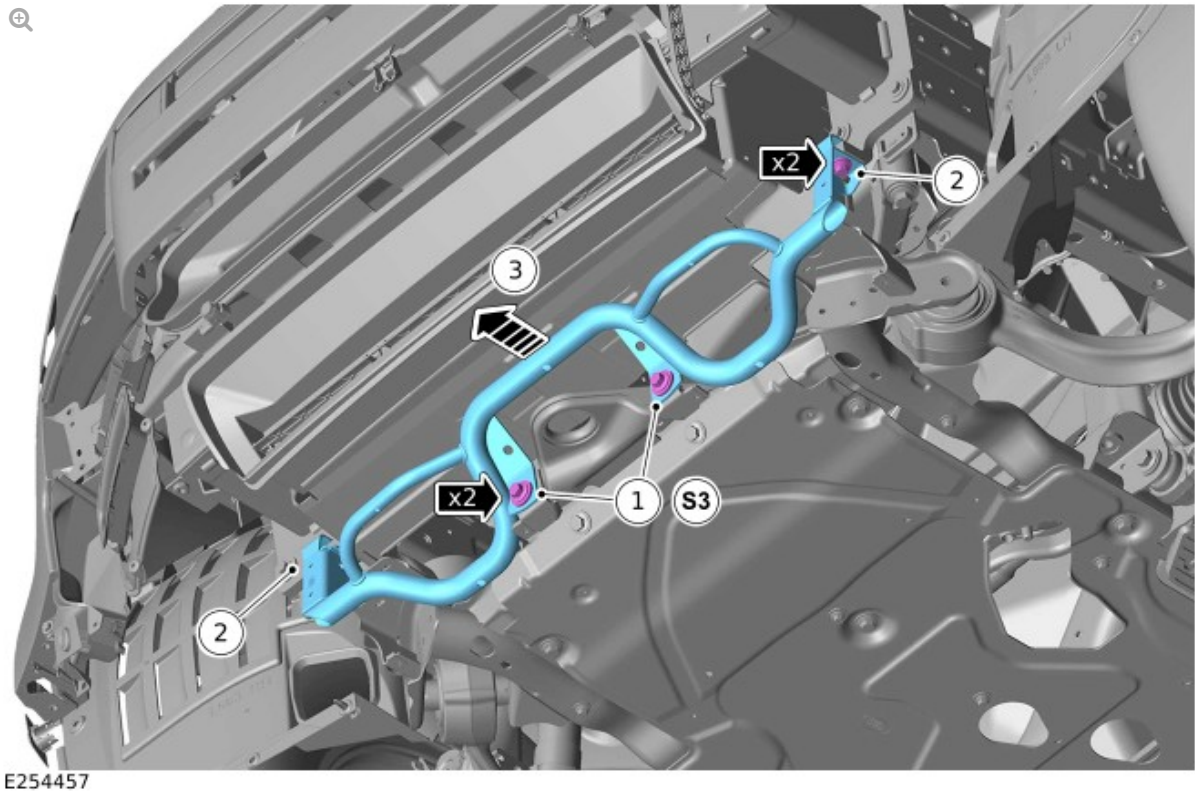
Release and aside the cooling pipe from the cooling module protector as illustrated.

1. Release the cooling pipe from the 2 arrowed clips and aside the cooling pipe.
2. Remove the 2 clips (S2) and retain.

6.

CAUTION:

Carefully move aside the air conditioning pipes on both sides of the cooling module protector to allow access.



Remove the cooling module protector as illustrated.

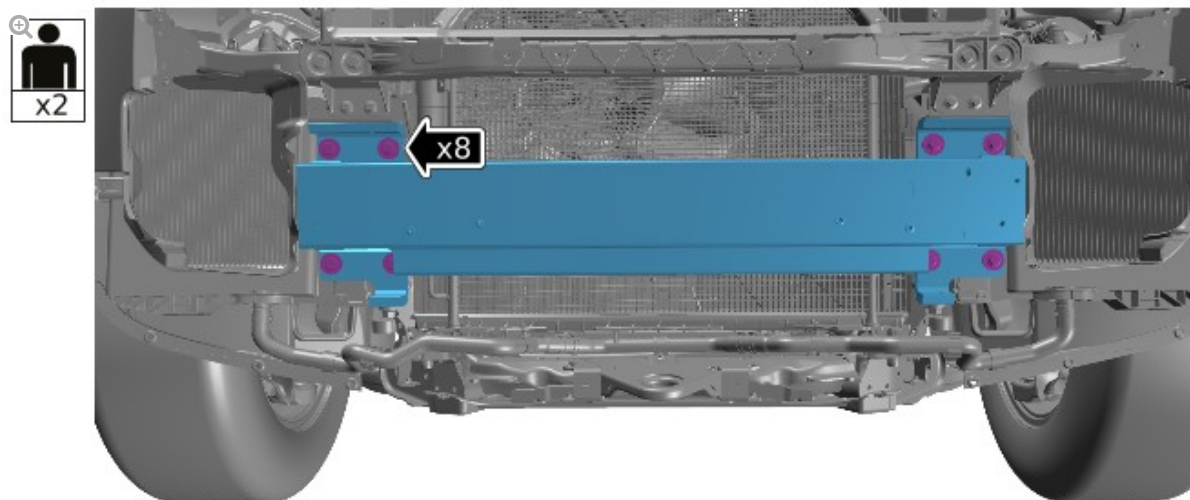
1. Remove and retain the 2 cooling module protector M12 bolts (S3).
2. Remove and discard the 2 cooling module protector bolts as illustrated. Move aside the air conditioning pipes to allow access.
3. Remove and discard the cooling module protector.

INSTALLATION

1.

NOTE:

Complete install step 2 to 5 before tightening the 8 armature bolts.



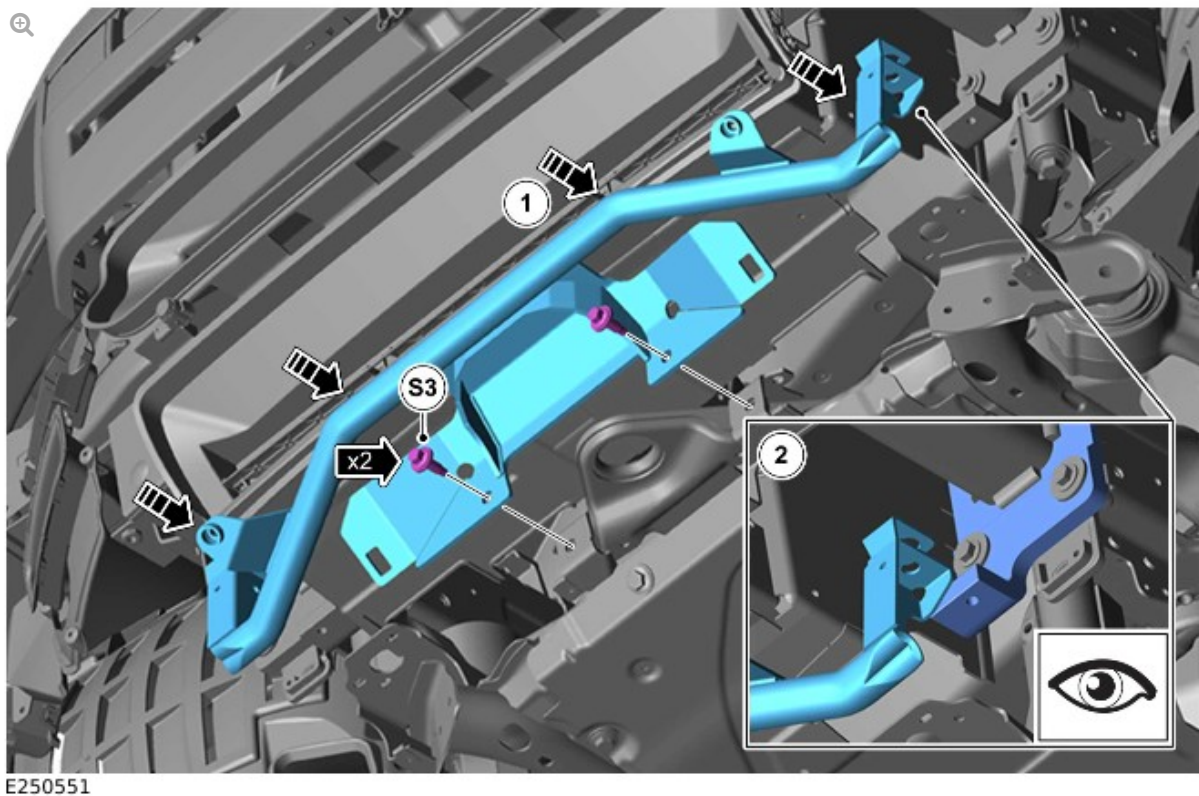
E252285

Loosen the 8 armature bolts to assist the installation of the front undershield support bar (A).

2.

NOTE:

This step requires the aid of another technician.



Align and install the front undershield support bar (A).

1. Align the front undershield support bar with the vehicle.
2. Align the ends of the front undershield support bar with the brackets as illustrated.
3. Make sure the holes for the bolts (S3) align with the holes in the subframe. Adjust the armature position to achieve correct hole alignment.
4. Install, but do not fully tighten the 2 M12 bolts (S3) to secure the front undershield support bar to the vehicle.

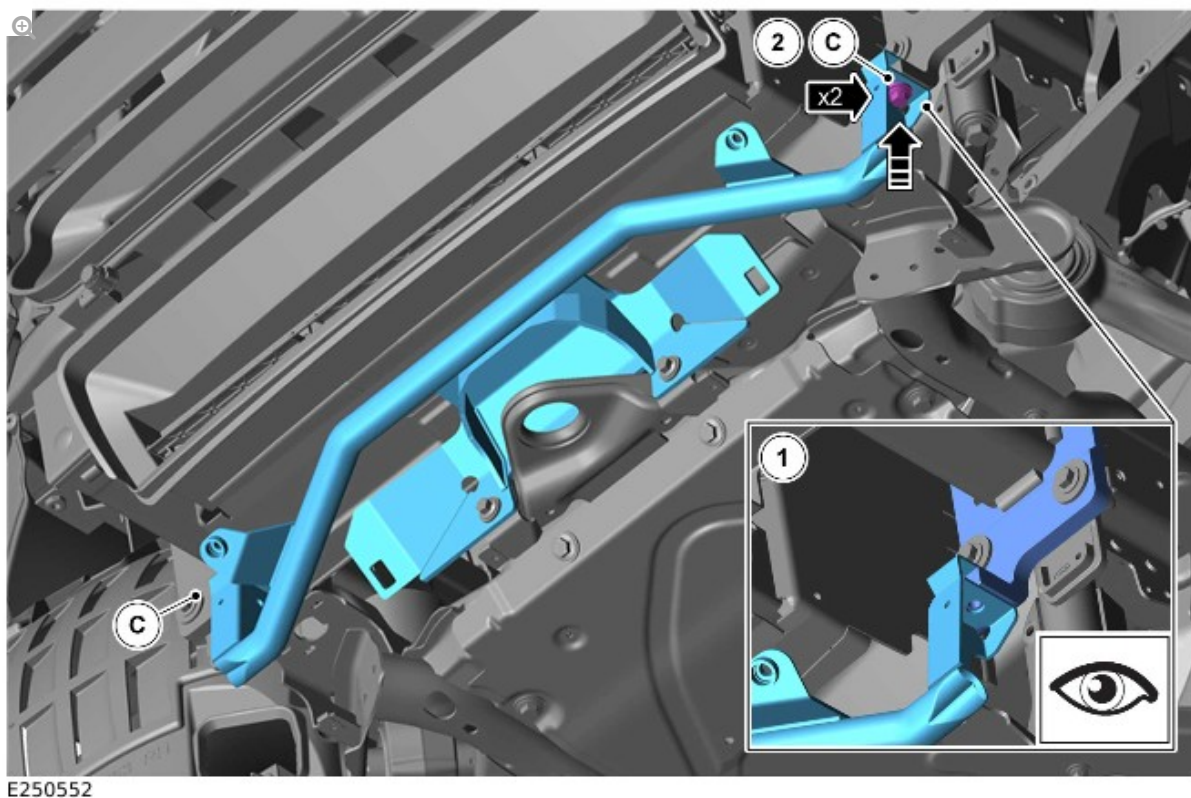
3.

CAUTION:

Make sure the air conditioning pipes are positioned correctly on both sides of the front undershield support bar.

NOTE:

This step requires the aid of another technician.



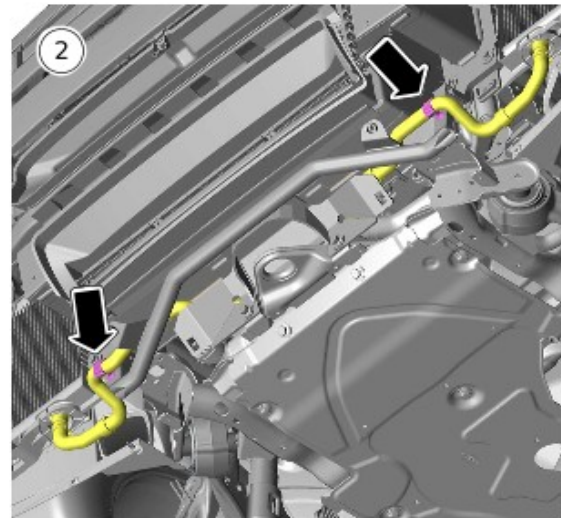
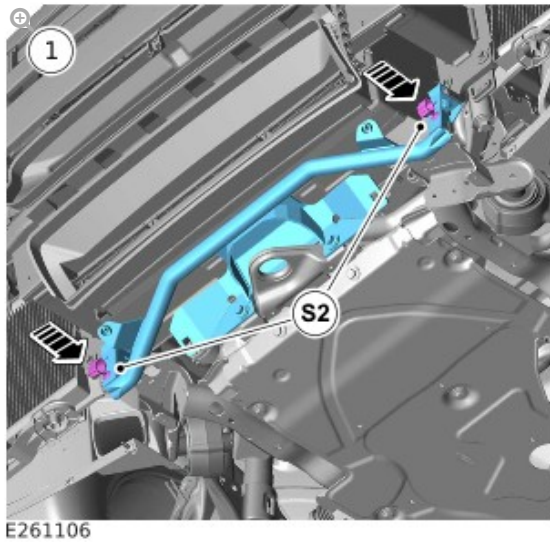
Secure the ends of the front undershield support bar.

1. Check the alignment of the front undershield support bar with the bracket as illustrated.
2. Install, but do not fully tighten the 2 bolts (C) to secure the front undershield support bar to the bracket.
3. Make sure the air conditioning pipes on both sides of the front undershield support bar are installed in the correct location.

4.

CAUTION:

On P6 vehicle variants there is a cooling pipe that must be installed to the front undershield support bar.



Install the clips (S2) and correctly position the cooling pipe.

1. Install the 2 clips (S2) to the front undershield support bar.
2. Install the cooling pipe to the 2 arrowed clips and position the cooling pipe as required.

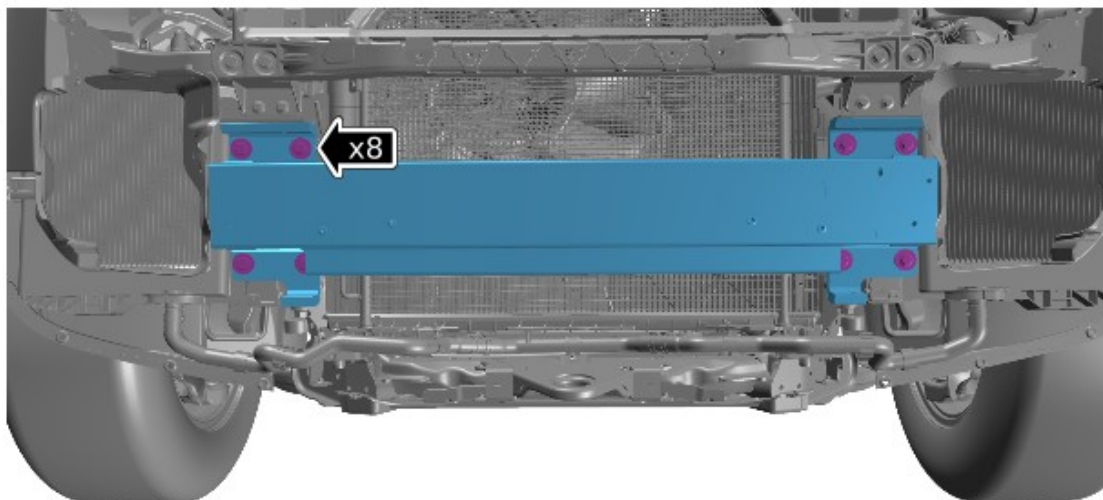
5. Tighten the bolts (S3) and (C).

- Torque: 60 Nm
-

6.

CAUTION:

Tighten the 8 armature bolts that were loosened during install step 1.

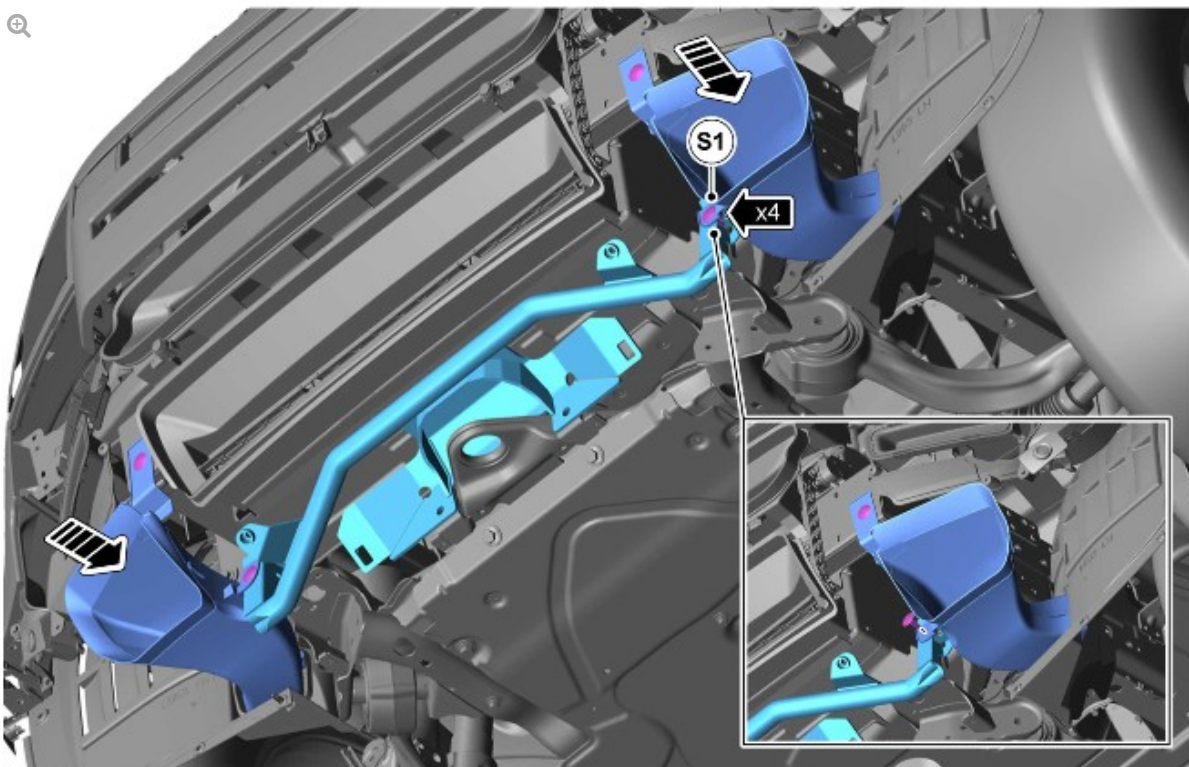


E252285

Tighten the 8 armature bolts.

■ Torque: 55 Nm

7.

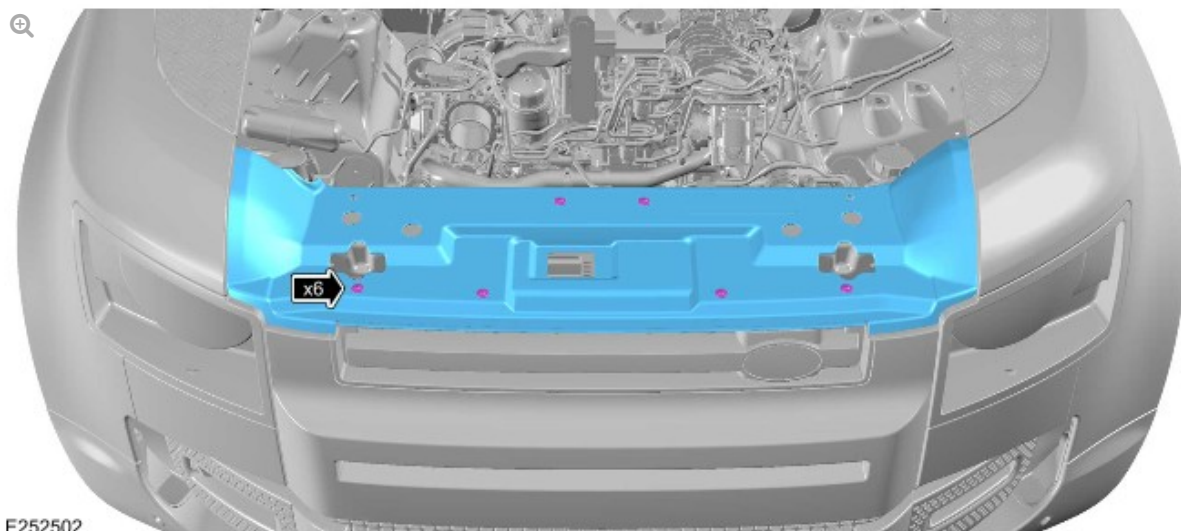


E250553

Install the 2 brake ducts to the front undershield support bar using the 4 fixings (S1).

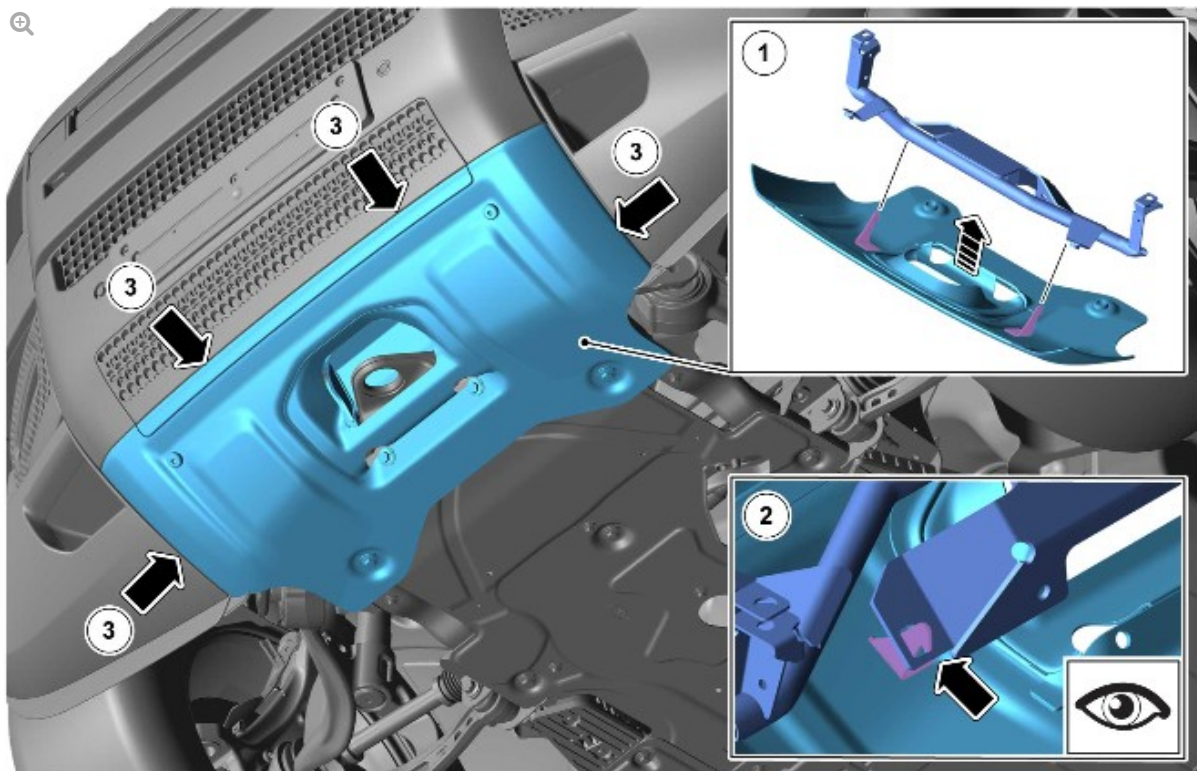
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8. Install the front bumper. For additional information, refer to: [Front Bumper](#) (501-19 Bumpers, Removal and Installation).
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9.



- Install the hood latch panel finisher.
 - Install the 6 clips.
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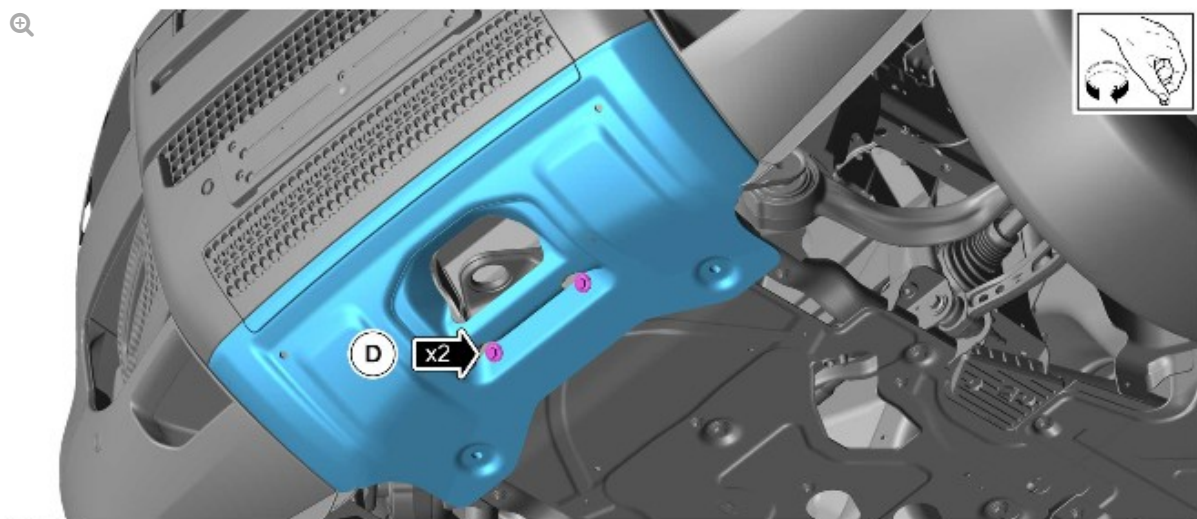
10.



Install the front undershield (B) to the front undershield support bar (A).

1. Align the 2 front undershield hooks with the 2 holes in the front undershield support bar.
2. Install the 2 front undershield hooks to the 2 holes in the front undershield support bar.
3. Make sure the front undershield is located correctly.

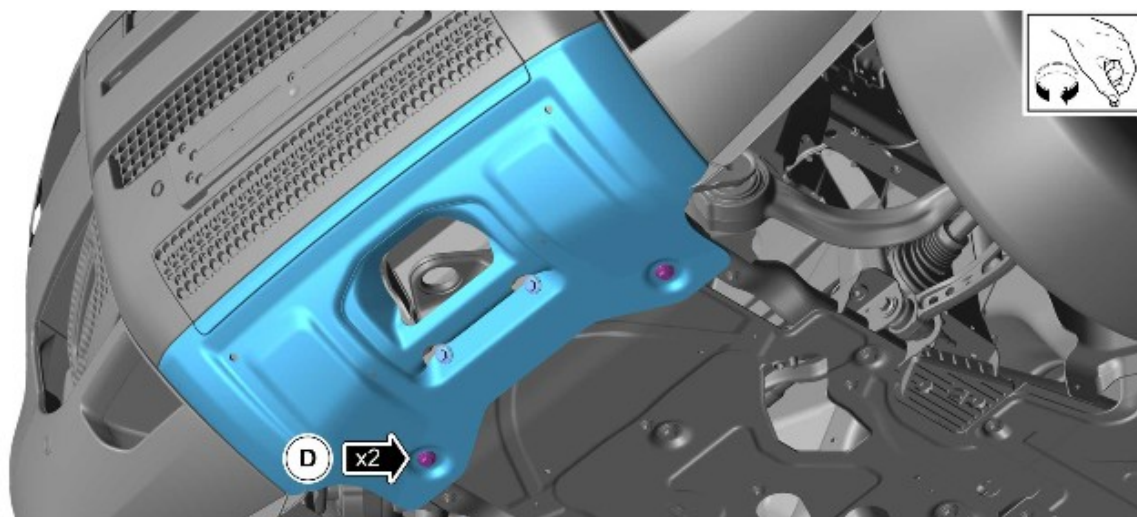
11.



E251219

Install, but do not fully tighten the 2 bolts (D) as illustrated.

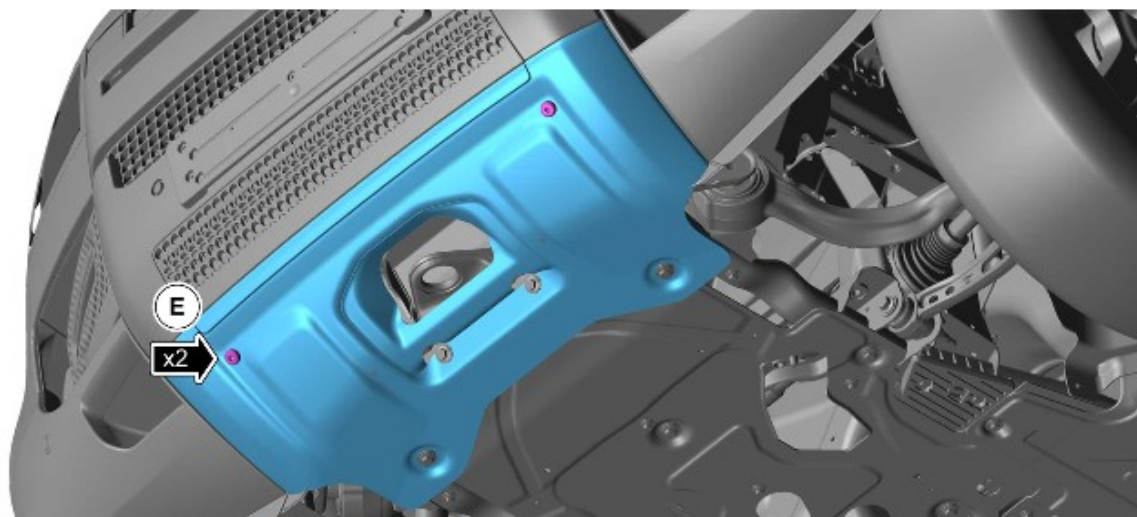
12.



E251220

Install, but do not fully tighten the 2 bolts (D) as illustrated.

13.

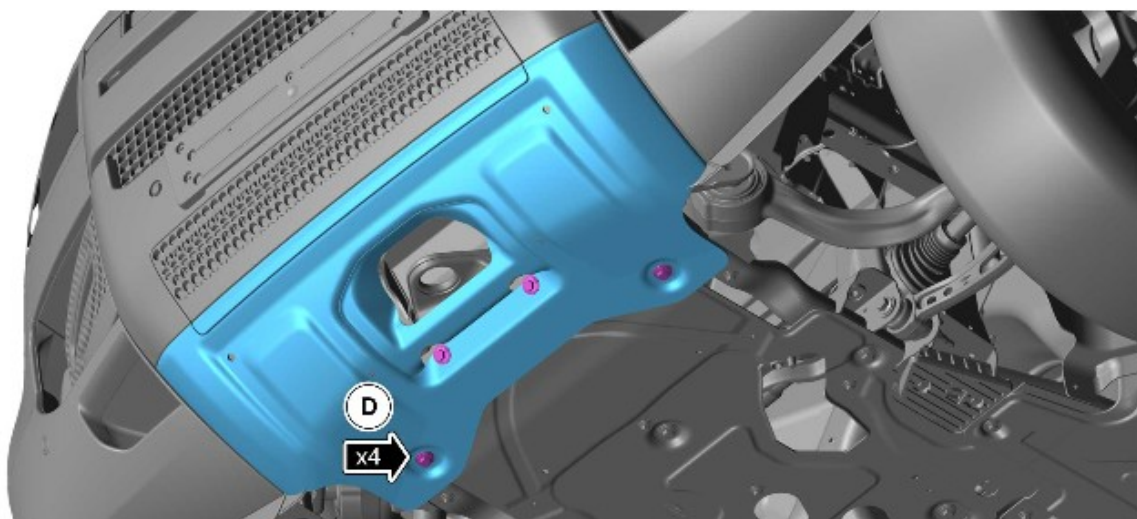


E250560

Install the 2 fixings (E) as illustrated.

■ Torque: 60 Nm

14.

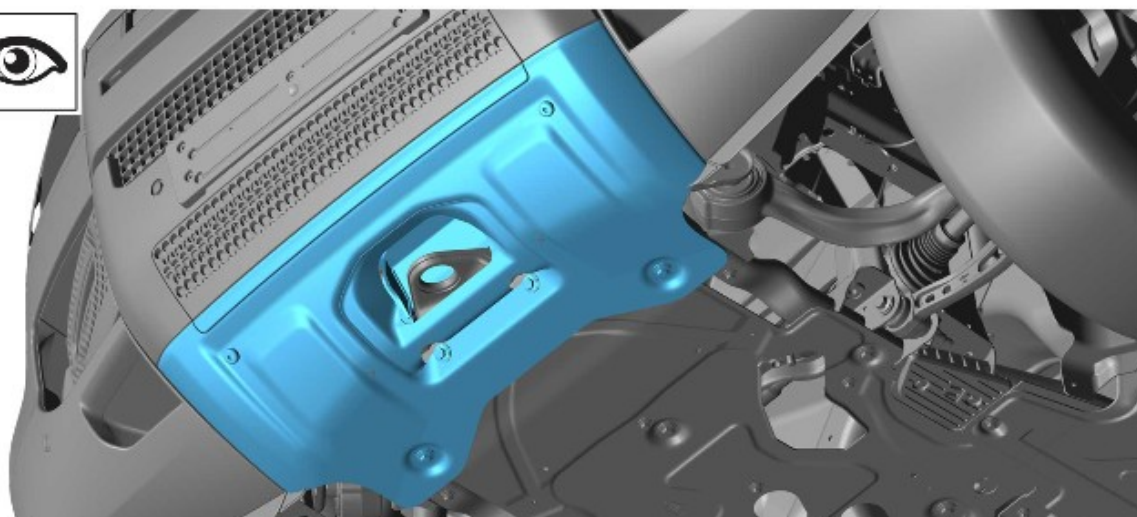


E250559

Tighten the 4 bolts (D).

■ Torque: 60 Nm

15.



E250561

Make sure the front undershield (B) is correctly installed.