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2020.0 DEFENDER (LE), 501-17

ROOF OPENING PANEL

ROOF OPENING PANEL FRAME (G2413850)

mcx30.com

SPECIAL TOOL(S)



E247339

JLR-501-176

Fiber-lined Glass Removal Tool Kit

REMOVAL

 CAUTIONS:

- Place the glass on felt covered supports. Do not stand on edge as this can cause chips which subsequently develop into cracks.
- Protect the surrounding paintwork to avoid damage.

 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).

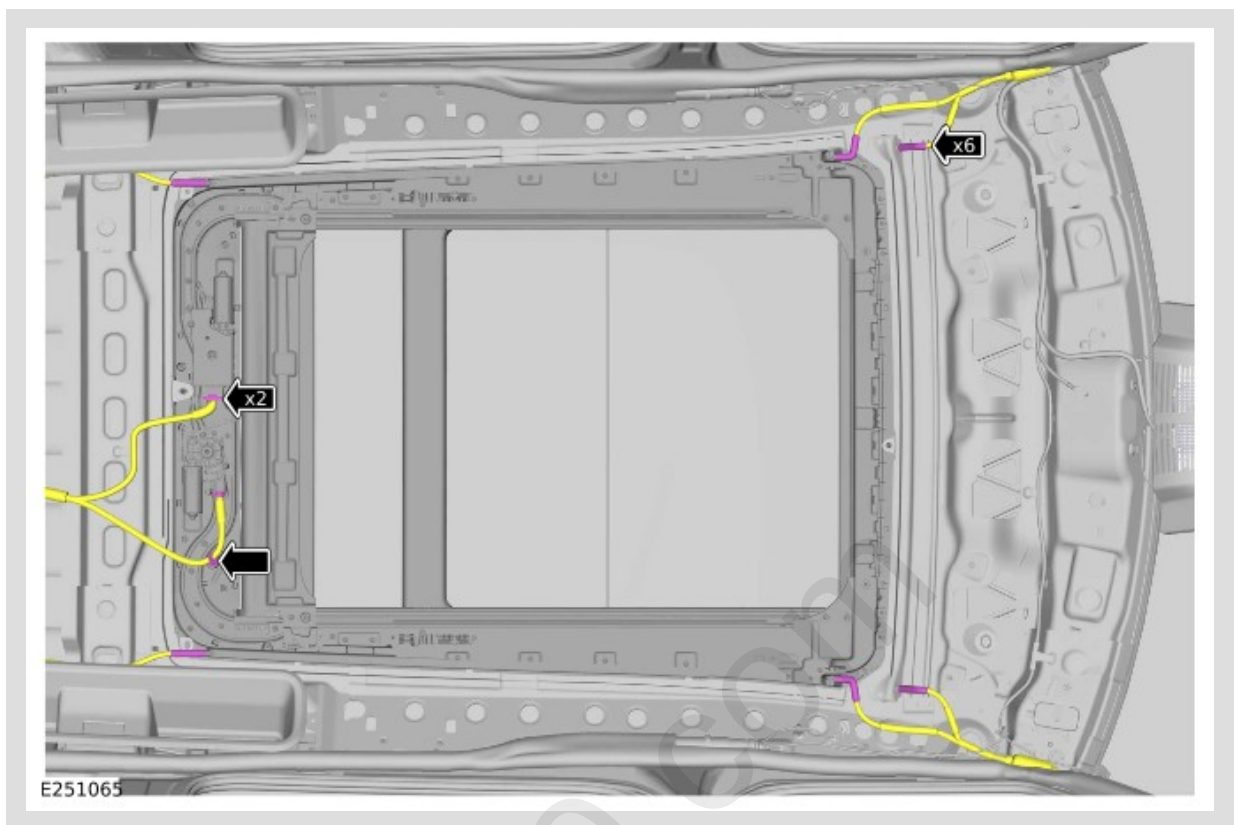
2. Remove the headliner.

Refer to: [Headliner - 110](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).

3. Remove the roof mouldings.

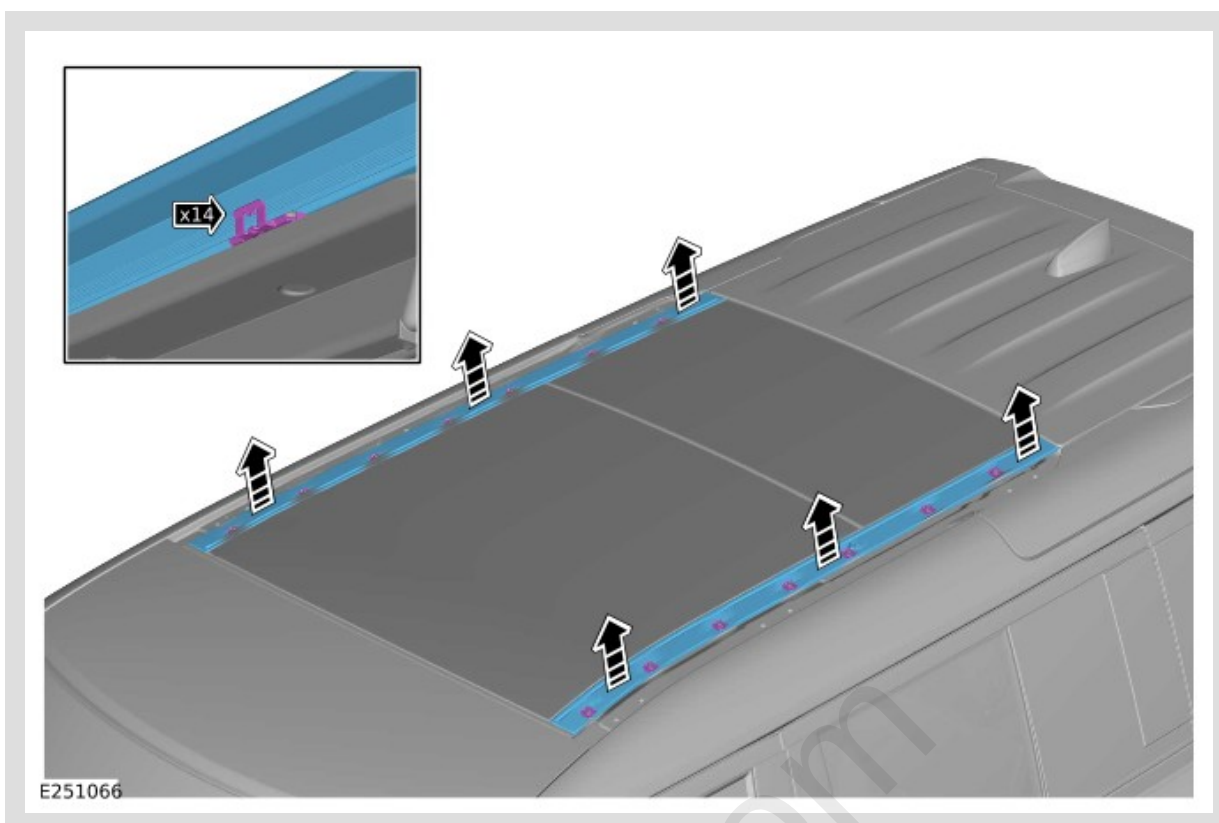
Refer to: [Roof Panel Moulding - 110](#) (501-08 Exterior Trim and Ornamentation, Removal and Installation).

4.



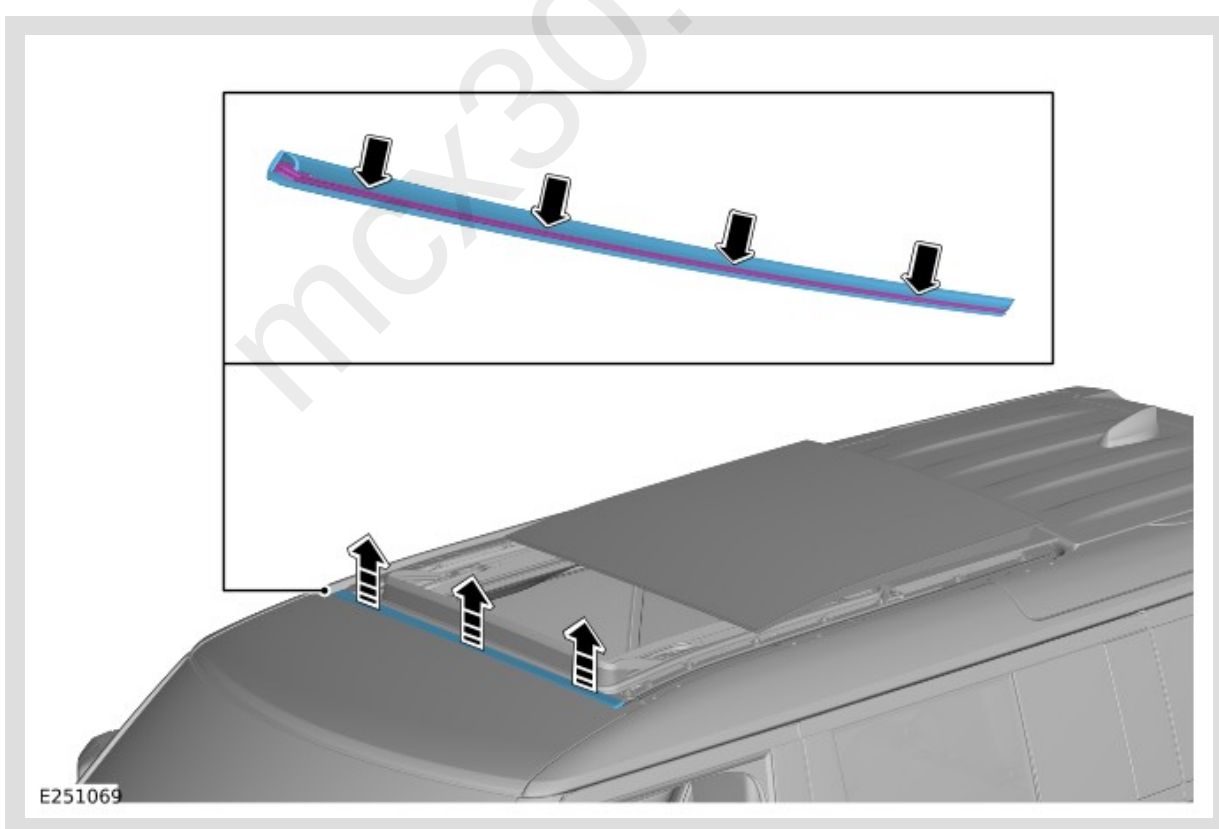
- Disconnect the 2 electrical connectors from the roof opening panel motor.
- Release the wiring harness clip.
- Release the 4 front and 2 rear roof opening panel drain hoses.

5.

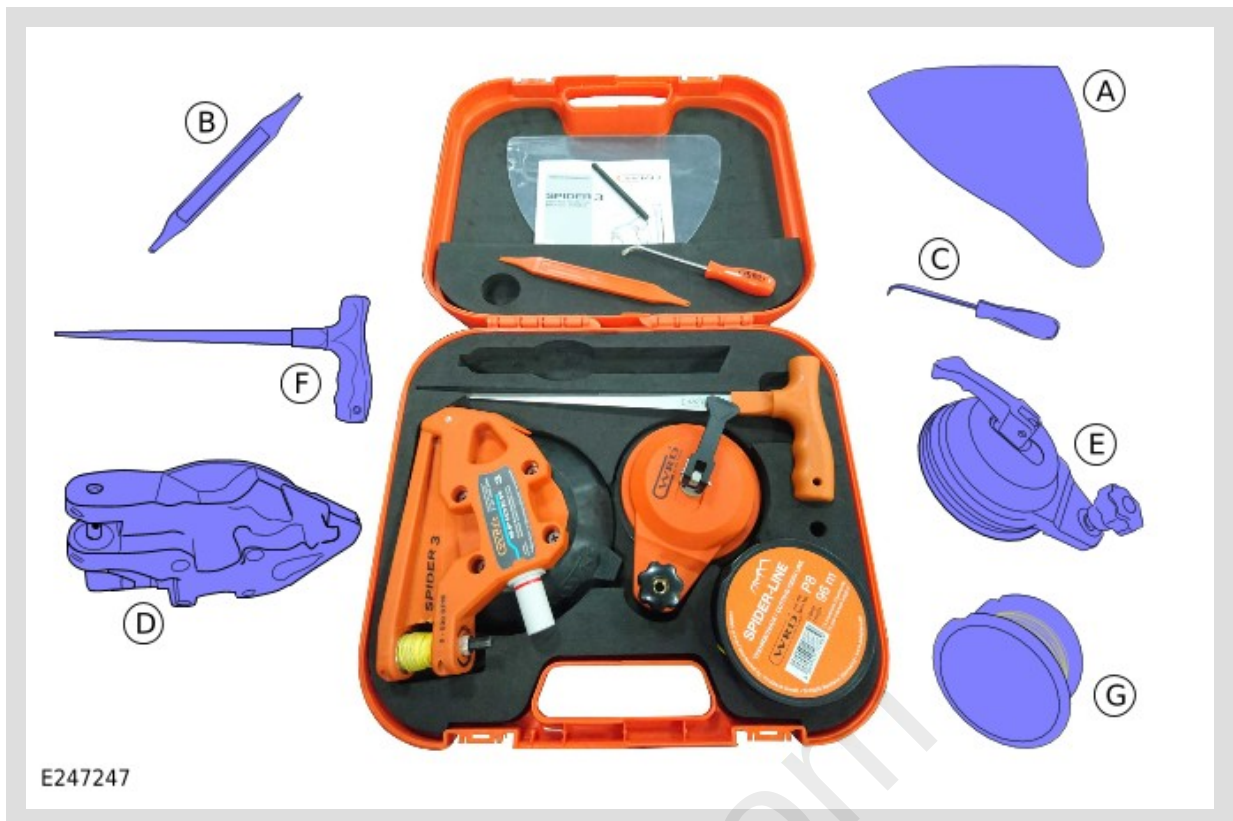


Remove the 2 roof opening panel finishers.

6.



Remove the roof opening panel front weatherstrip.

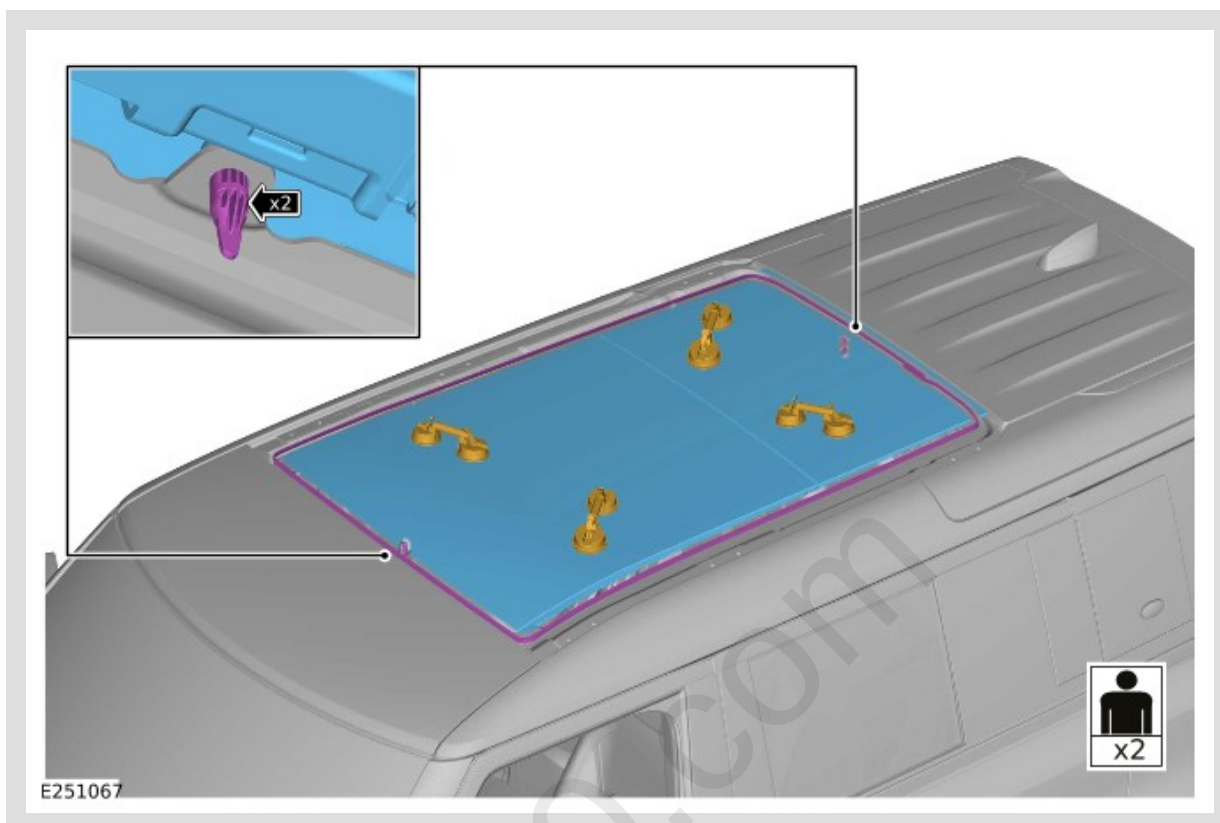


- The illustration is used to index the contents of the fiber-lined glass removal special tool.
- Make sure that the contents of the fiber-lined glass removal special tool kit are complete and no items are damaged or missing.
- Consult the instruction manual supplied with the fiber-lined glass removal special tool before commencing the removal of the roof opening panel.
- (A) Instrument Panel protector
- (B) Cutting fiber threading tool
- (C) Pick
- (D) Spider cutting tool
- (E) Anchor suction tool
- (F) Cutting fiber install tool
- (G) Cutting fiber

8.

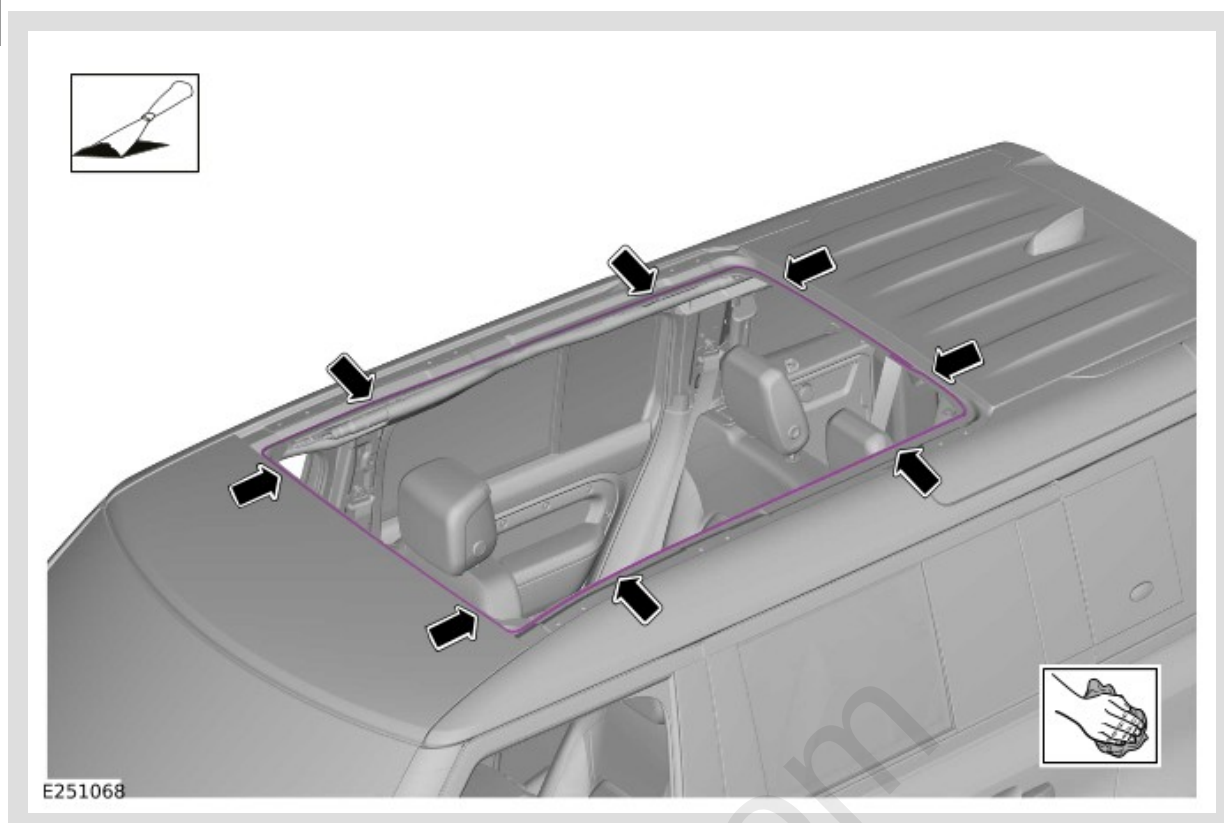
 NOTE:

This step requires the aid of another technician.



- Use the necessary items from the special tool JLR-501-176 to release the seal and remove the roof opening panel.

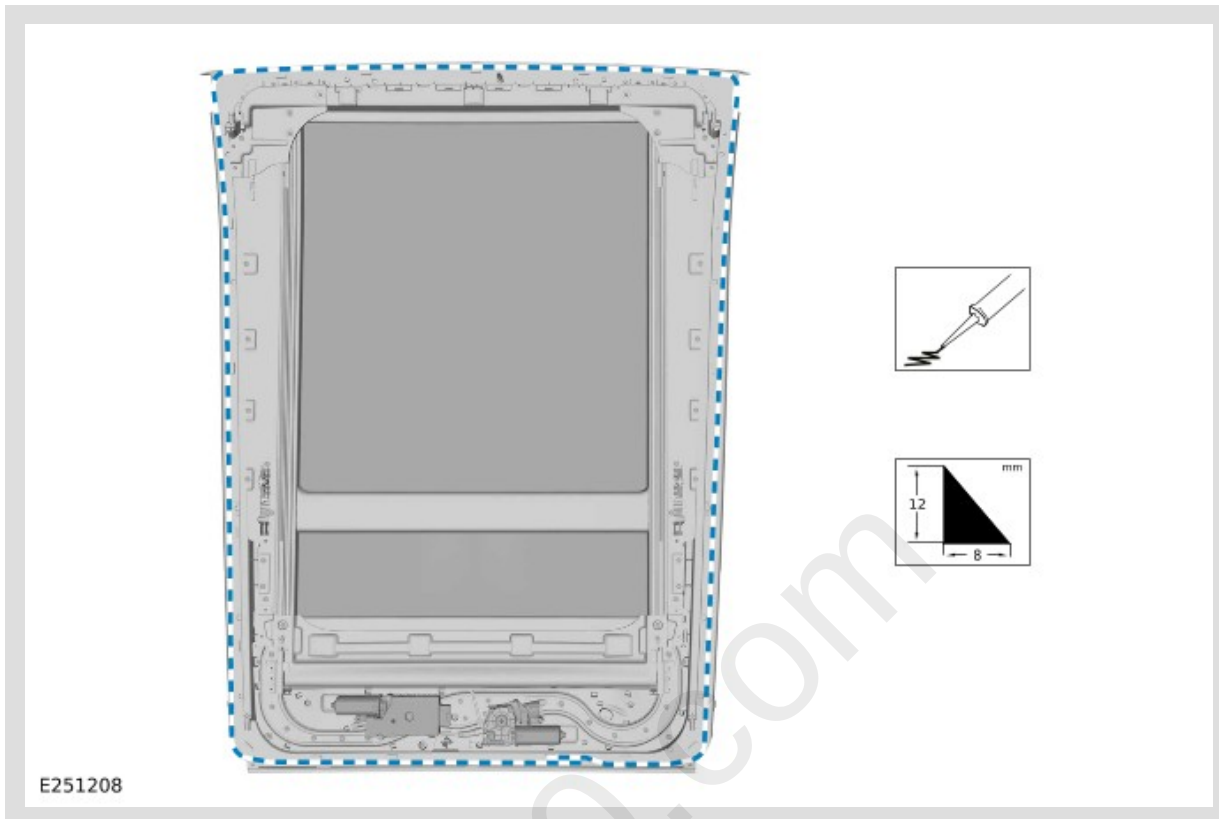
Special Tool(s): [JLR-501-176](#)



Use suitable tools and remove all residual sealant from the body.

INSTALLATION

1.

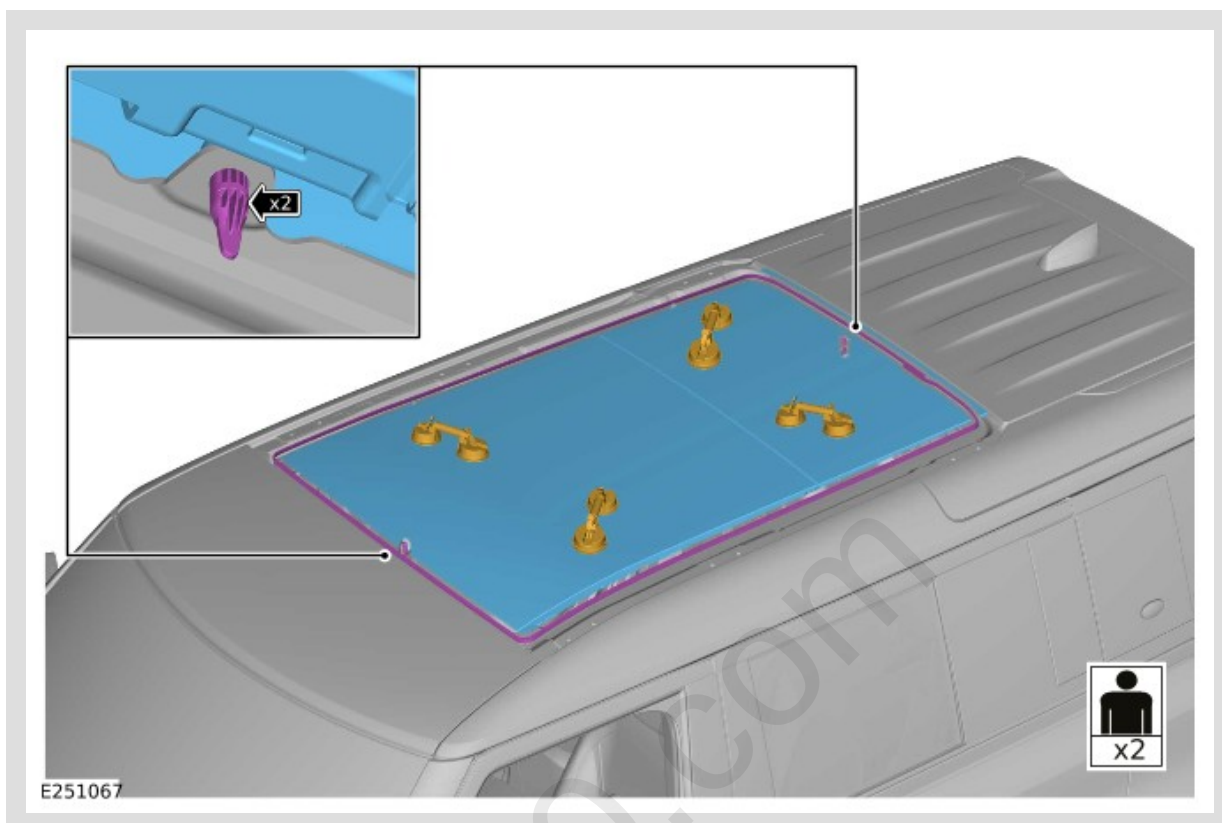


Follow the instructions included with the Jaguar Land Rover PU adhesive sealant kit and apply sealant to the areas illustrated.

2.

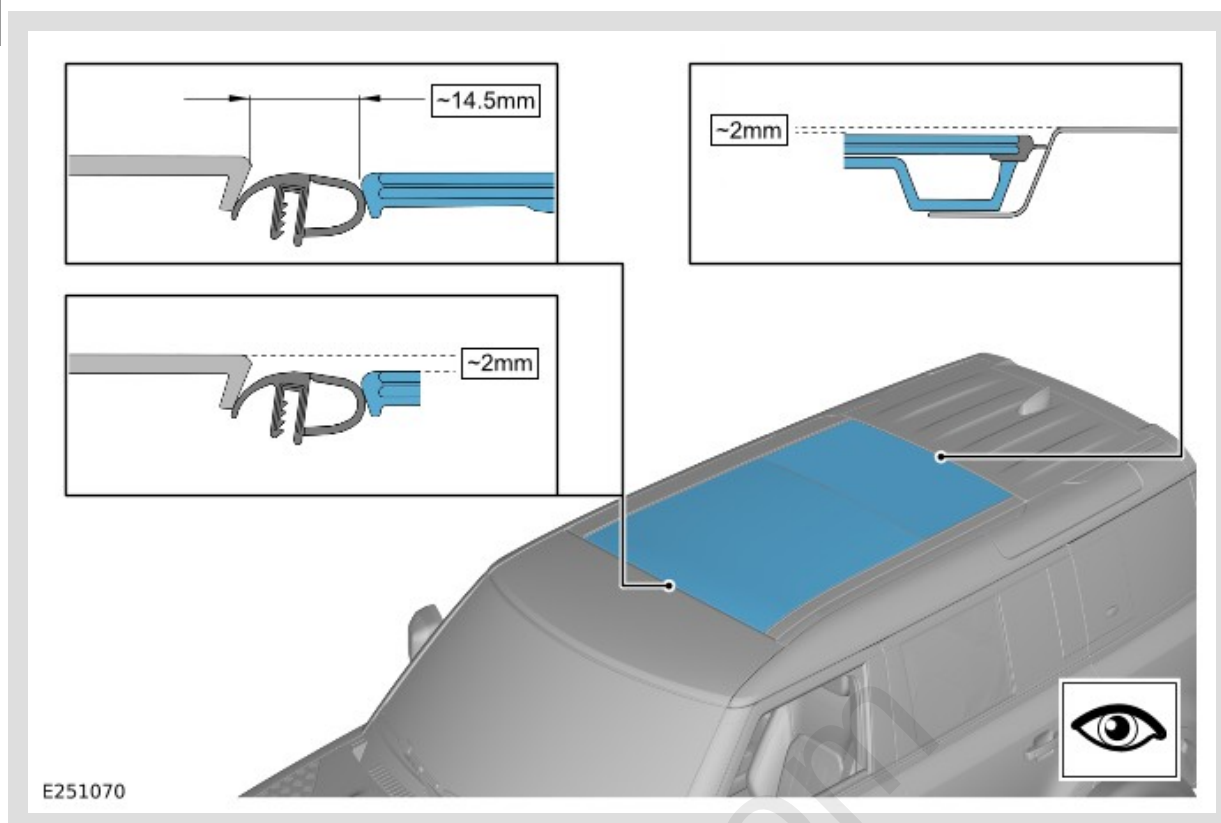
⚠ CAUTION:

Make sure that no excess sealant residue is evident.



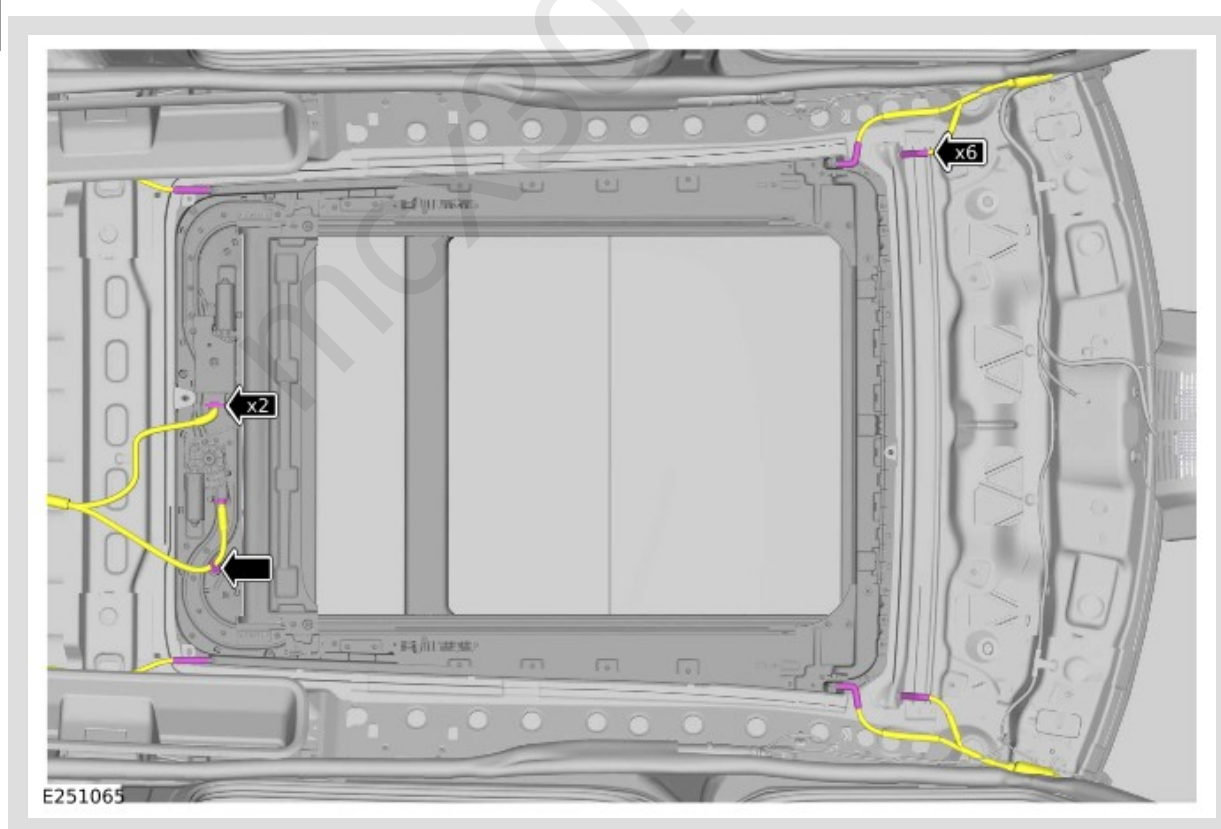
With assistance, install the roof opening panel assembly.

3.



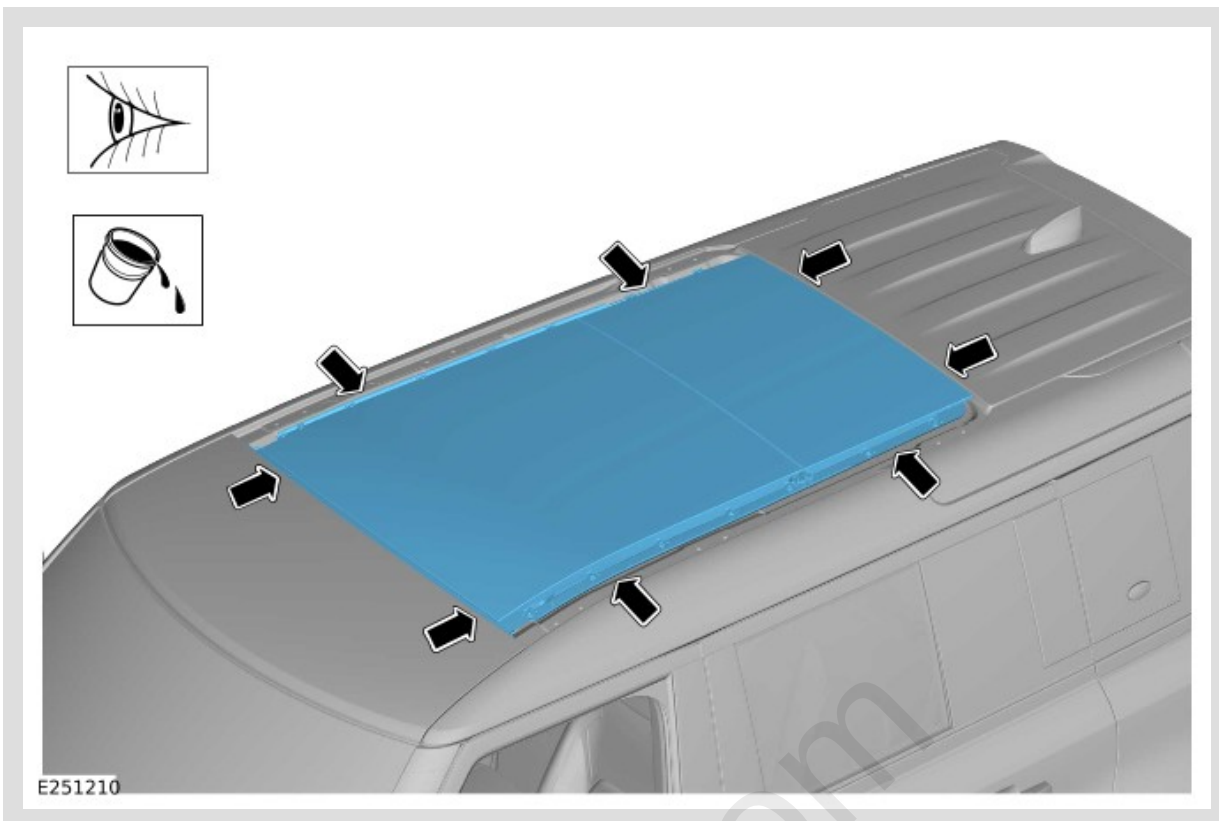
Make sure the gaps around the roof opening panel assembly are even and as illustrated.

4.



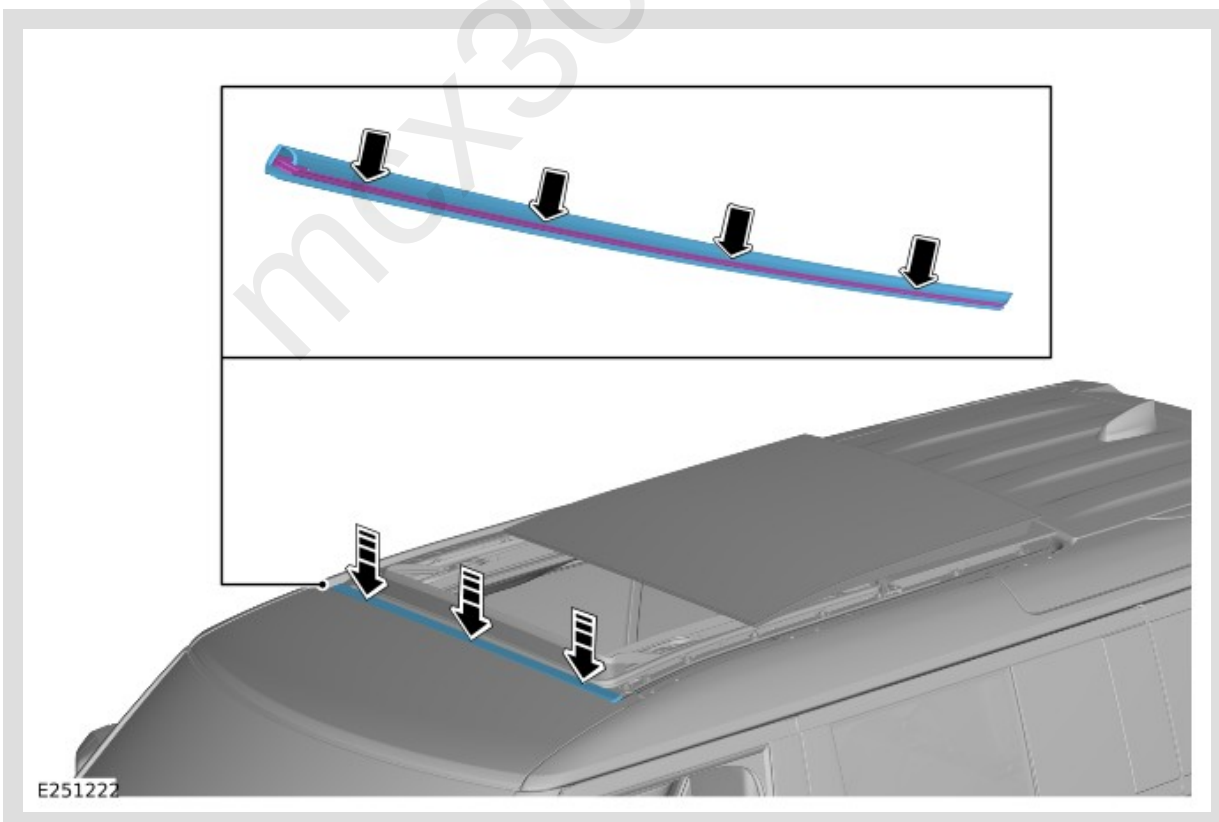
- Connect the 2 electrical connectors to the roof opening panel motor.
- Install the wiring harness clip.
- Install the 4 front and the 2 rear roof opening panel drain hoses.

5.



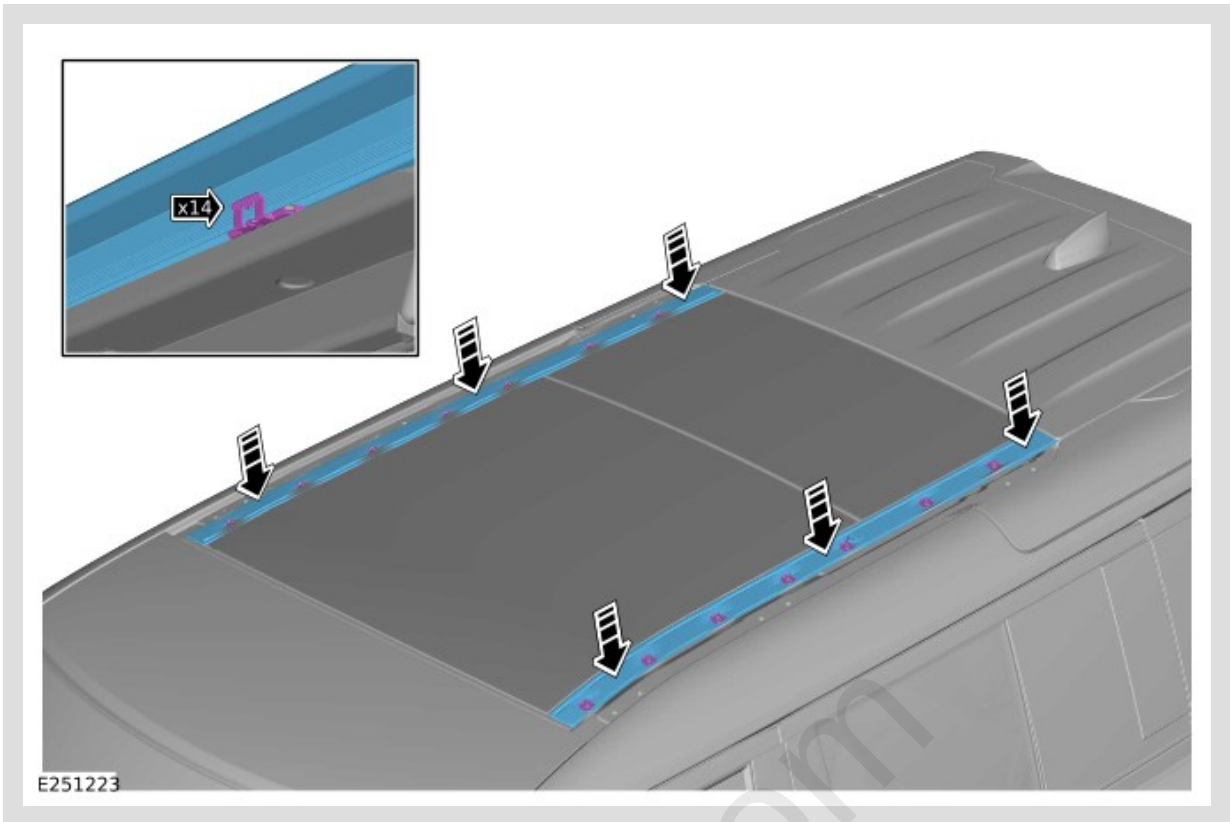
Apply water around the roof opening panel at the areas illustrated. Mark any area that shows water ingress. Allow the roof opening panel and seal to dry before applying additional sealant.

6.



Install the roof opening panel front weatherstrip.

7.



Install the 2 roof opening panel finishers.

8. Install the roof mouldings.

Refer to: [Roof Panel Moulding - 110](#) (501-08 Exterior Trim and Ornamentation, Removal and Installation).

9. Install the headliner.

Refer to: [Headliner - 110](#) (501-05 Interior Trim and Ornamentation, 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).