

Roof Opening Panel Frame

Special Tool(s) / General Equipment

Flat-Bladed Screwdriver

Removal

NOTE: Removal steps in this procedure may contain installation details.

1. Fully open the roof opening panel shield.
2. **NOTE:** The air deflector must be installed with the roof opening panel in the open position.

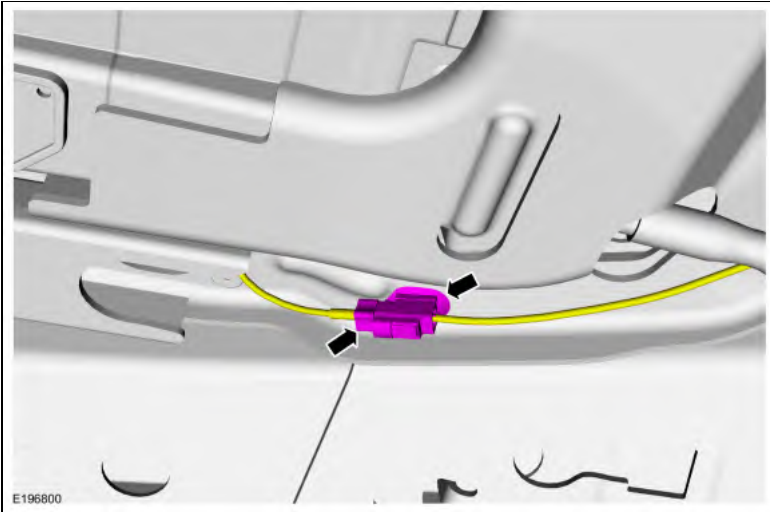
If replacing the roof opening panel frame, remove the air deflector.

Refer to: Air Deflector (501-17 Roof Opening Panel - Vehicles With: Vista Roof Opening Panel, Removal and Installation).

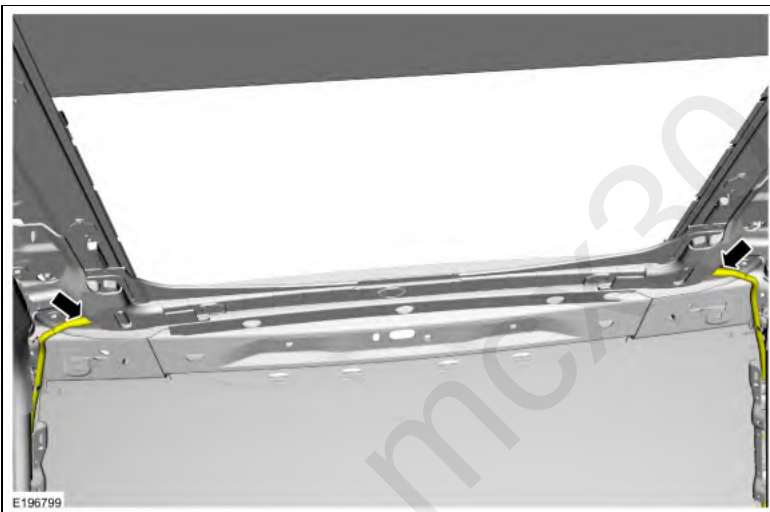
3. Fully close the roof opening panel glass.



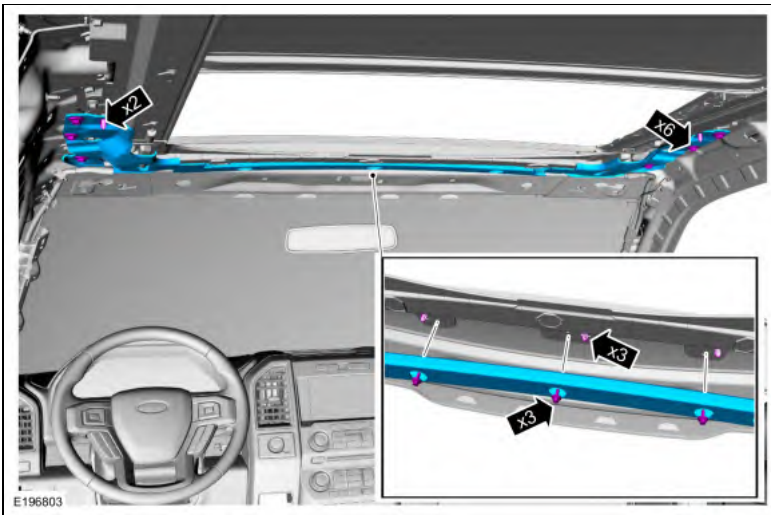
4. Remove the roof opening panel glass.
Refer to: Roof Opening Panel Glass (501-17 Roof Opening Panel - Vehicles With: Vista Roof Opening Panel, Removal and Installation).
5. Remove the headliner.
Refer to: Headliner - Crew Cab (501-05 Interior Trim and Ornamentation, Removal and Installation).
6. Remove both side curtain airbags.
Refer to: Side Curtain Airbag - Crew Cab (501-20B Supplemental Restraint System, Removal and Installation).
7. Disconnect the antenna electrical connector and detach the pin-type retainer.



8. Disconnect the front drain tubes.

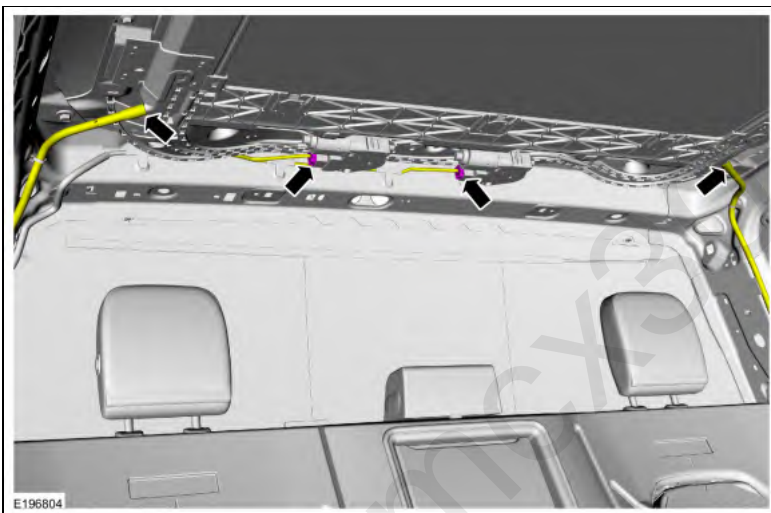


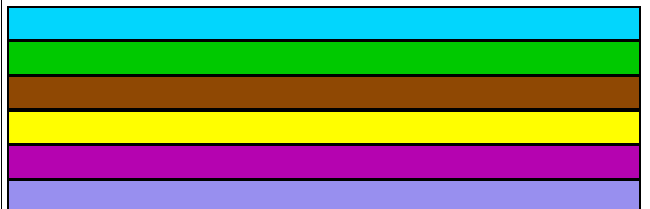
9. Remove the bolts, detach the pin-type retainers and remove the front beam.
Torque: 106 lb.in (12 Nm)





10. Disconnect the rear drain tubes and the roof opening panel motor electrical connectors.

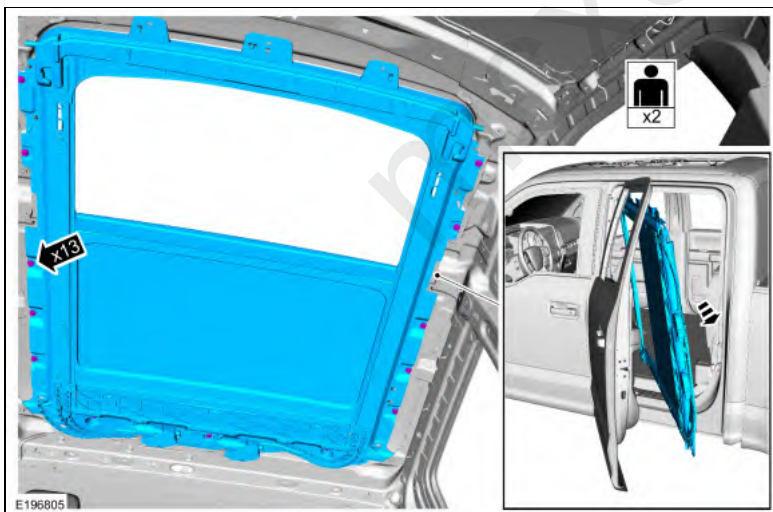




11. Fold the rear seat cushions upward.



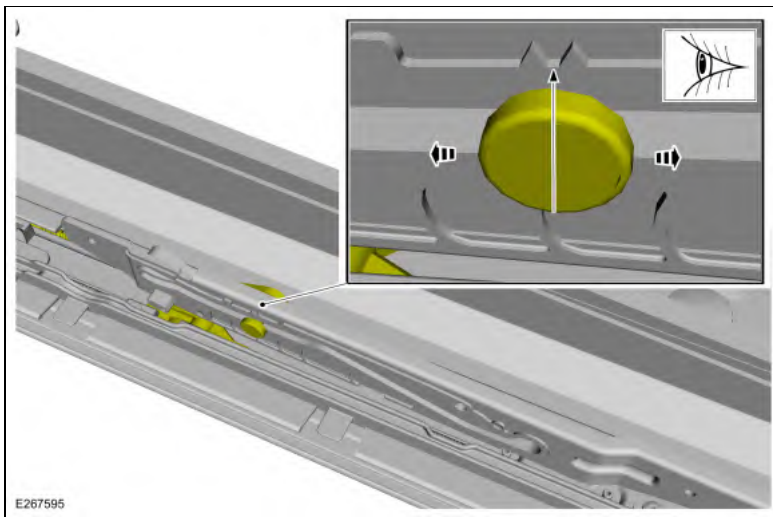
12. With the aid of an assistant, remove the bolts and remove the roof opening panel frame from the LH rear door opening.
Torque: 106 lb.in (12 Nm)

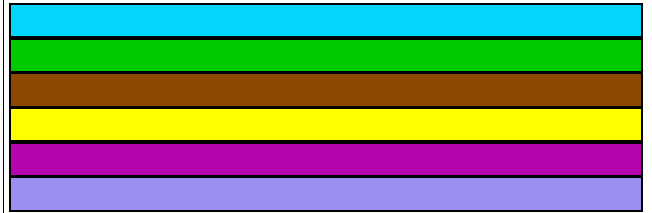


Installation

- To install, reverse the removal procedure.
- NOTICE:** It is possible for the cable mechanisms to move from the glass closed position during shipping. If the cable mechanisms are not in the glass closed position when the roof opening panel frame is installed, the roof opening panel will not initialize.

On both sides, make sure the trolley pins are aligned with the V-shaped alignment markings on the glass brackets to assure the mechanisms are in the glass closed position. Move the cable mechanism by hand or by pushing the trolley pin with a flat bladed screwdriver as necessary.
 Use the General Equipment: Flat-Bladed Screwdriver





3. **NOTICE:** Note the position of the motors when transferring the motors to the new frame. Make sure the motors are installed to the new frame in the same position as removed from the old frame.

NOTE: Install the fixed glass to the frame before installing the new frame.

Transfer parts as necessary.

4. Once all components are installed, initialize the roof opening panel.
Refer to: Power Roof Opening Panel Initialization (501-17 Roof Opening Panel - Vehicles With: Vista Roof Opening Panel, General Procedures).

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