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1994 JEEP Cherokee OEM Service and Repair Workshop Manual

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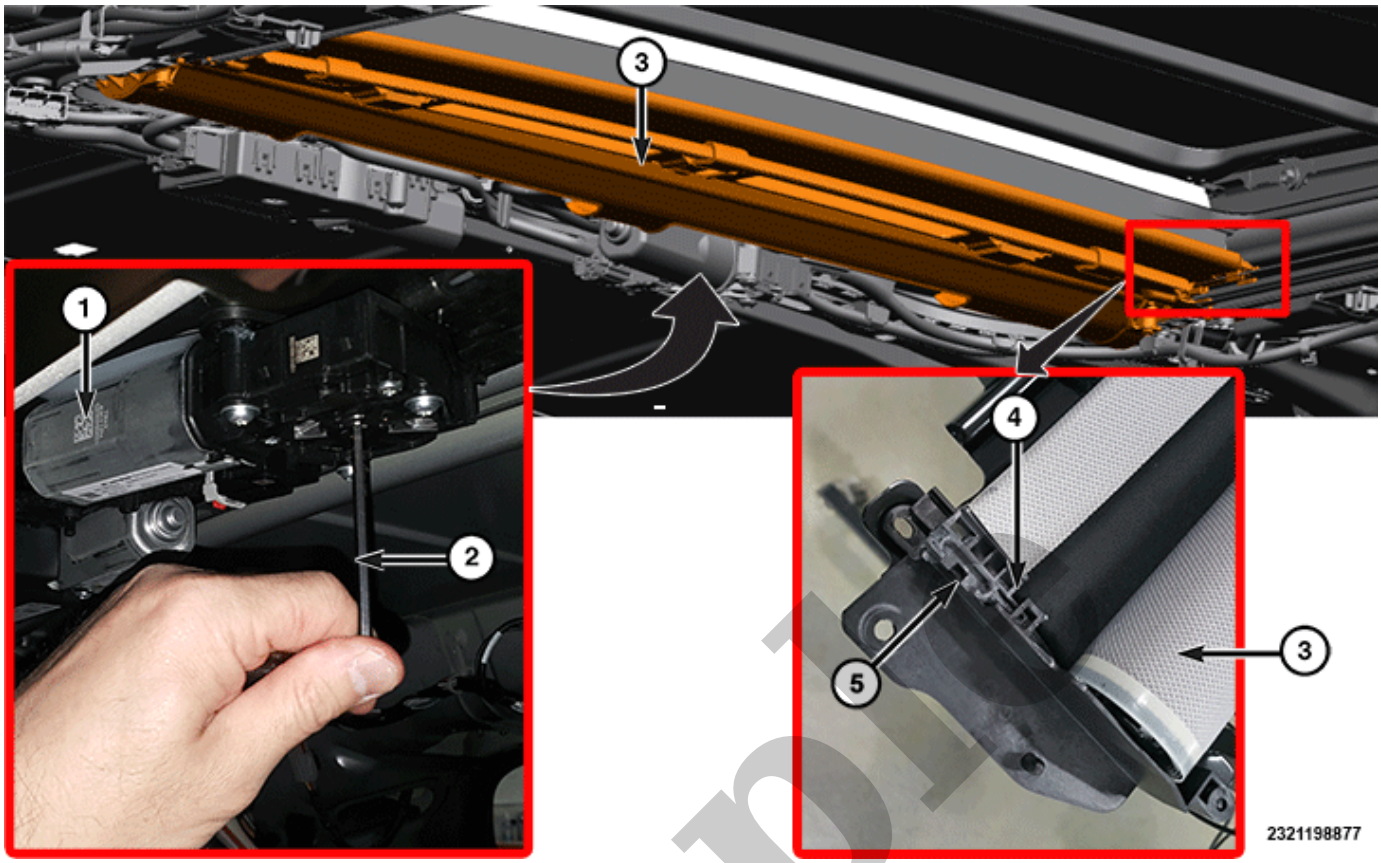


1 - Motor
2 - 4 mm Hex Wrench
3 - Sunshade
4 - Bump Stop
5 - Keyway

4. Turn the hex wrench clockwise until the shade reaches the bump stop in the service position.

NOTE

If the sunshade does not drop, verify the motor is turned enough to align the keyway.

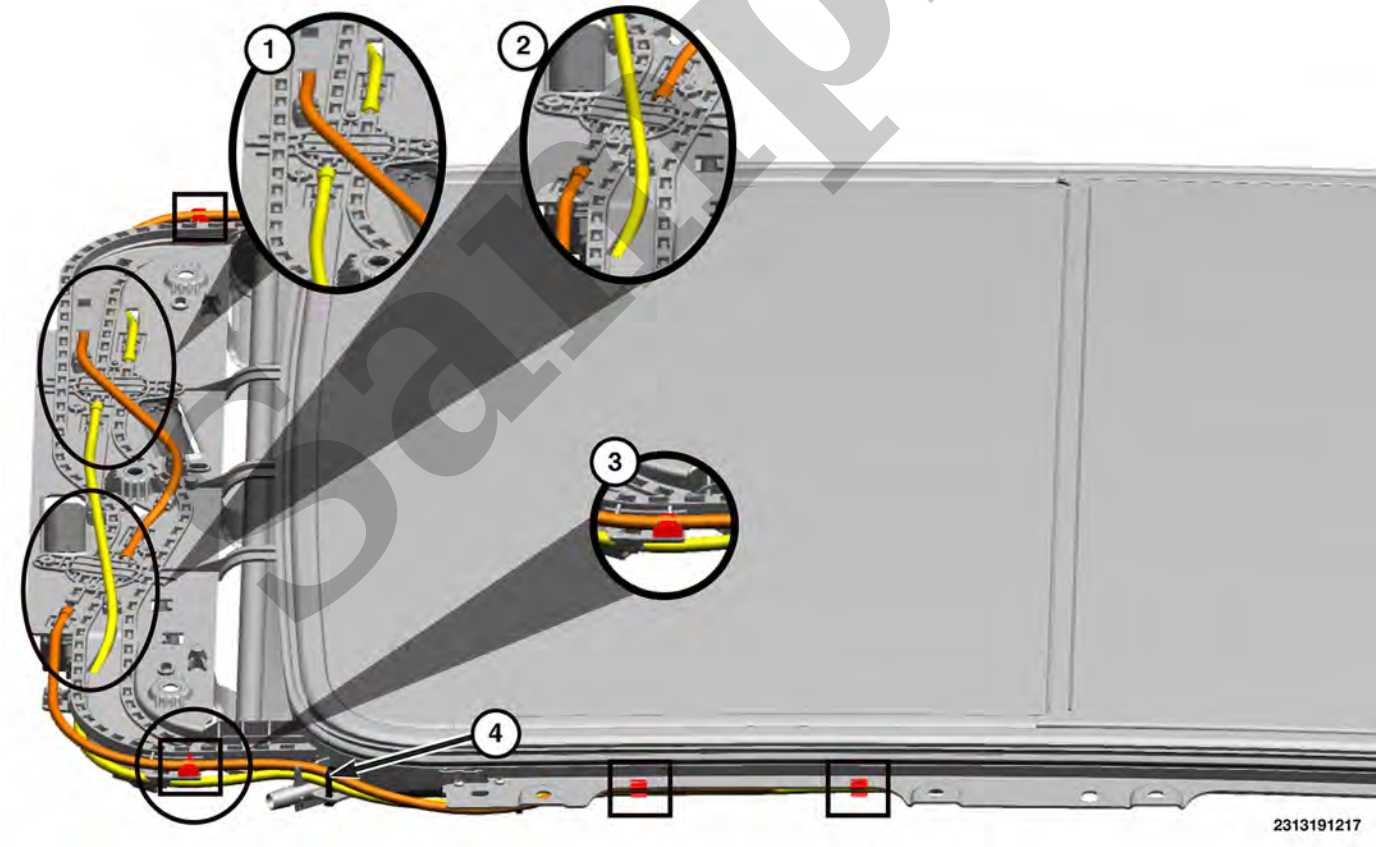
YOUR CURRENT VEHICLE

Cable Guide Tubes

CABLE GUIDE TUBES

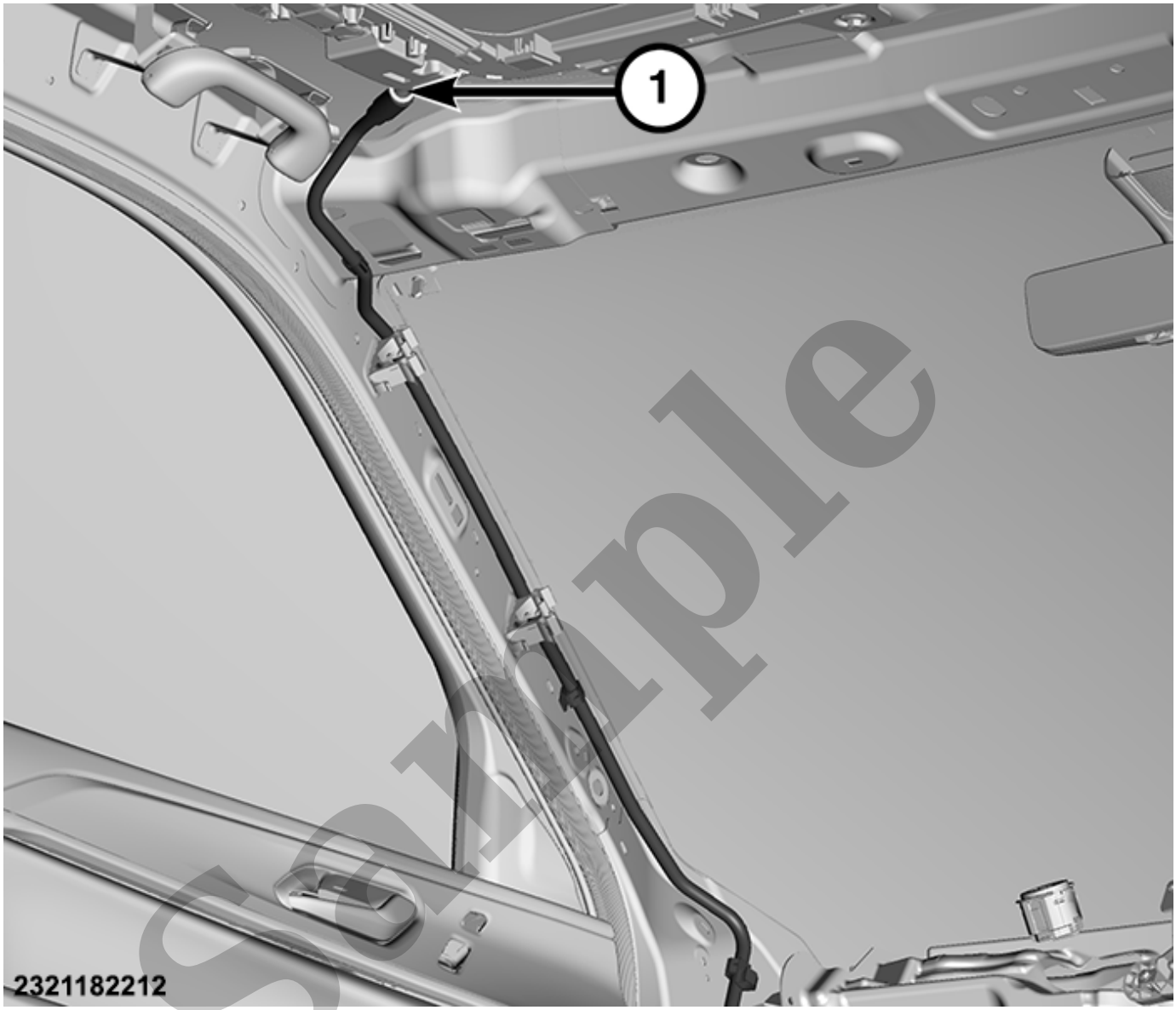
REMOVAL

1. Verify that the sunroof and sunshade are closed.
2. Remove the sunroof and place it on a suitable work surface (Refer to Body/Sunroof/SUNROOF/Removal and Installation)(Refer To List 1).



1 - Sunshade Motor Cable Guide Tubes
2 - Sunroof Motor Cable Guide Tubes

4. Separate the grommet and release the tube from the body.
5. Release the tube support clips.



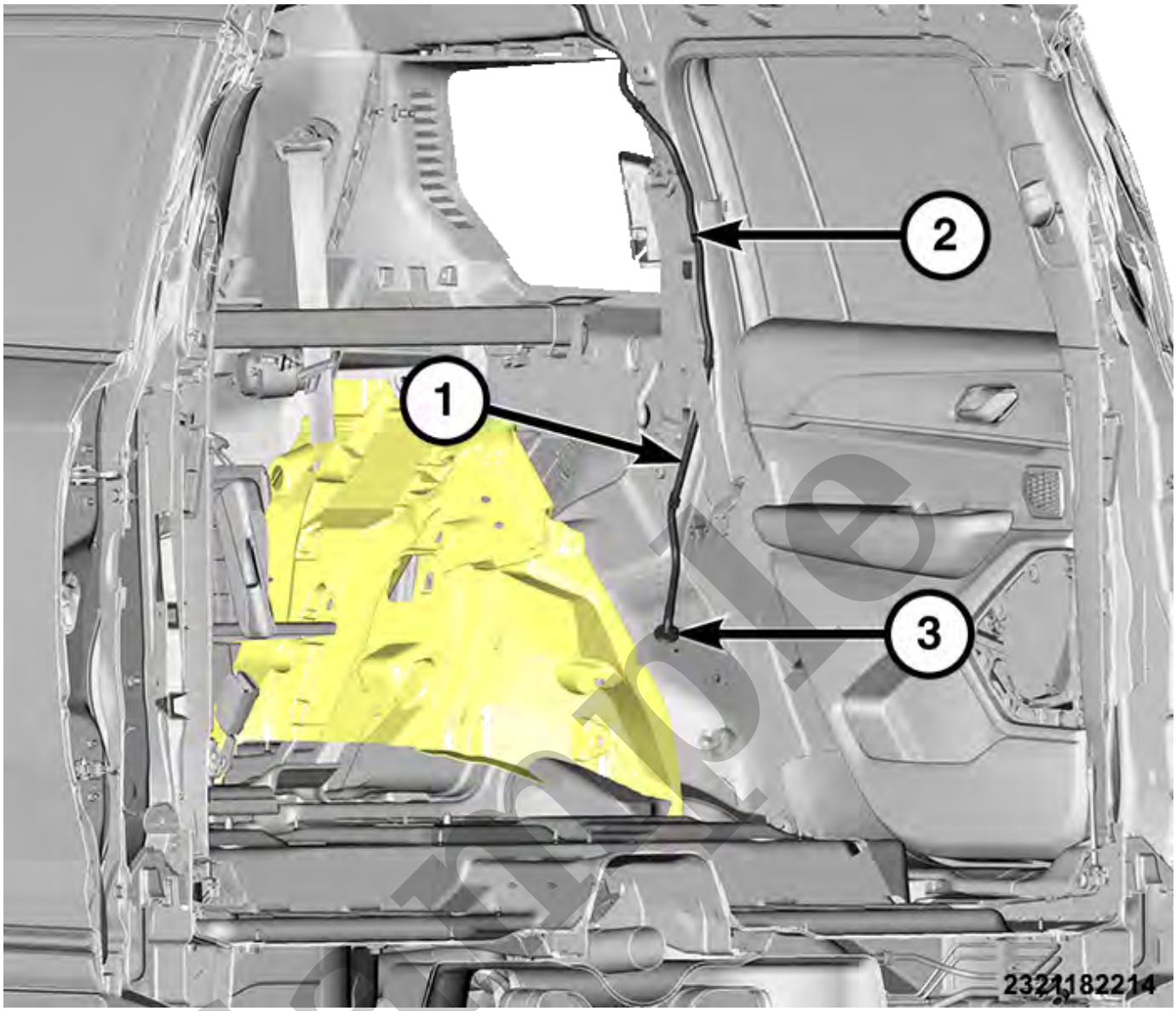
1 - Drain Tube Connection

6. Disconnect the tube from the sunroof assembly and remove the tube.

INSTALLATION

Follow the removal procedure in reverse for general reassembly of the components on the vehicle. The steps listed below are calling out specific procedures that should be followed during installation.

- Install the grommet and seat fully.
- Install the tube in the support clips and seat fully.



1 - Rear Drain Tube
2 - Support Clips
3 - Grommet

4. Separate the grommet and release the tube from the body.

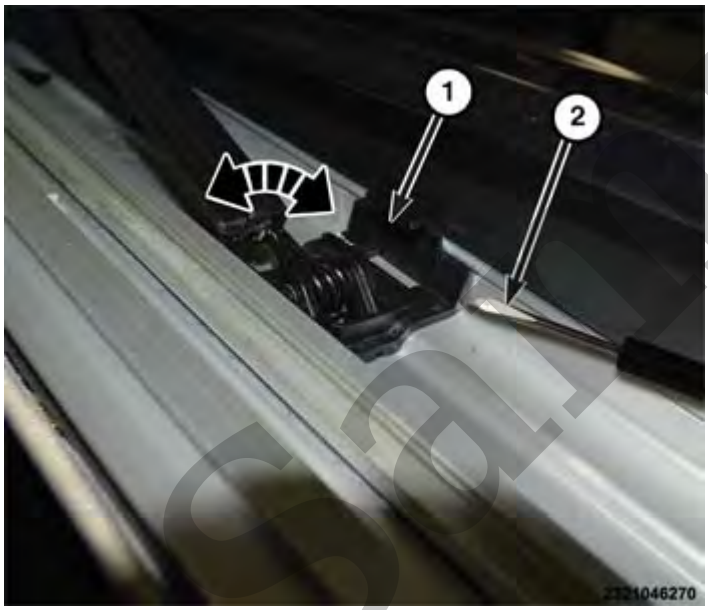
5. Release the tube support clips.

Wind Deflector

WIND DEFLECTOR

REMOVAL

1. Fully open the sunshade and sunroof glass panel.
2. Remove the screws at the front of the wind deflector.



1 - Hinges
2 - Tool

3. Using a small flat bladed tool or equivalent, release both hinges from the track by prying in an inward direction.

INSTALLATION

5. **TEST SUNROOF FRAME:** If rear drain tubes are confirmed OK, inspect the underside of sunroof frame joints at all four corners (plastic front/rear frame components interface with aluminum side tracks) for evidence of water leakage. With the vehicle on a level surface and the sunroof closed, a garden hose can be used to flow water on the top surface of the sunroof glass panels while someone inside the vehicle inspects the frame joints for leaks. If a leak is found at a joint, repair or replace the sunroof frame (Refer to Body/Sunroof/SUNROOF/Removal)(Refer To List 2).

WIND NOISE DIAGNOSIS

When diagnosing a wind aspiration complaint, it is recommended to follow the below procedure.

1. Drive the vehicle with the sunroof in closed position and the sunshade full open to confirm if complaint can be replicated.
2. If replicated, tape off the sunroof interface to the body around the entire perimeter on the exterior of the roof using painters tape or equivalent.
3. Test drive again to confirm if wind aspiration is still present. If still present, source of aspiration is likely coming from other component (windshield, roof rails, and others). If no longer present, tape can be removed in sections and test driven to help determine exact location of aspiration on sunroof if necessary.
4. From the exterior of the vehicle visually inspect the sunroof seal interface to body around entire periphery. Using a flashlight, look closely for any areas where the seal does not appear to be contacting the body roof or for tears in the sunroof seal. A business card can be inserted between the roof and seal and then slid along the opening to subjectively check compression. Resistance to slide the card should feel similar when comparing the front and rear of the roof opening. Adjust the glass panels (Refer to Body/Sunroof, Single Pane/GLASS, Sunroof/Adjustments)(Refer To List 1) or replace seal if necessary.

Refer To List:

List 1

- 23 - Body / Sunroof, Dual Pane / GLASS, Sunroof / Adjustments
- 23 - Body / Sunroof, Single Pane / GLASS, Sunroof / Adjustments

List 2

- 23 - Body / Sunroof, Dual Pane / SUNROOF, Dual Pane / Removal and Installation
- 23 - Body / Sunroof, Single Pane / SUNROOF / Removal and Installation

10. Using a straight edge as a guide, lift the rear glass panel corner until it is between flush and slightly over flush (0.00 to + 2.5 mm).
11. Use your free hand to snug up the glass bolt with sufficient force (finger tight) so the weight of the glass panel corner is supported. Repeat this process on the other side of the vehicle.
12. Once the proper glass position has been achieved, tighten the glass panel attaching screws to the proper torque specification.
13. Check for proper fit. If not OK, repeat glass panel adjustment.
14. Calibrate the sunroof (Refer to Electrical/Power Top, Sunroof/MOTOR, Sunroof/Removal and Installation).

TORQUE SPECIFICATIONS - SUNROOF

DESCRIPTION	SPECIFICATION	COMMENT
Sunroof Bolts	**7 N·m (62 In. Lbs.)**	—
Sunroof Glass Screws	**4 N·m (35 In. Lbs.)**	—

YOUR CURRENT VEHICLE

Sunroof Motors

SUNROOF MOTORS

For service information (Refer to Electrical/Power Top/Description and Operation) and (Refer to 08 - Electrical/Power Top/MOTOR, Sunroof/Removal and Installation).

- With the help of two assistants, position the sunroof carefully in the vehicle then raise it slowly to the roof opening. Do not slide the sunroof in any direction while mating to the roof panel, it must be raised straight up in order to prevent seal folding. Loosely install the sunroof to body bolts.
- Perform the Sunroof Initialization and Obstacle Detection Calibration procedure (Refer to Electrical/Power Top, Convertible/Standard Procedure).

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