

SUN ROOF - POWER
Article Text
1993 Volkswagen EuroVan
For Volkswagen Technical Site
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Saturday, March 18, 2000 10:37PM

ARTICLE BEGINNING

1993 ACCESSORIES & EQUIPMENT
Volkswagen Power Sun Roof

Volkswagen; Corrado SLC, EuroVan, Golf, GTI, Jetta, Passat

DESCRIPTION & OPERATION

The power sun roof operates at all times when the ignition is in the on position. Power sun roof will operate after the ignition is turned off until driver's door is opened. Power sun roof can also be closed by inserting key in door lock and holding in the locked position. If power system fails, sun roof can be operated manually by removing control panel and rotating crank.

ADJUSTMENTS

NOTE: Adjustment information for EuroVan is not available.

PARALLEL ALIGNMENT

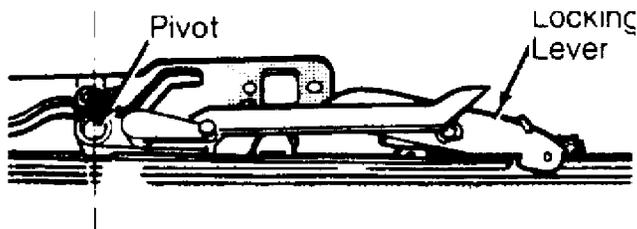
Corrado SLC, Golf, GTI, Jetta & Passat

1) Obtain radio code. Disconnect negative battery cable. Using Headliner Trim Remover (3195), disengage headliner trim frame from guide rails and push toward rear as far as possible. See Fig. 5 or 7.

2) Pry off interior light. Remove sun roof cable drive cover. Remove cable drive mounting screws. Lower pinion drive until drive pinion no longer meshes with cables.

3) Move rear guides with cables to rear. Ensure pivots position is correct. See Fig. 1. Engage locking levers into guide rails. Drive cable should be in the closed position.

4) Clean cable drive mounting screws and coat threads with locking compound. Install cable guide and interior light. Install headliner trim frame onto guides. Reconnect negative battery cable.



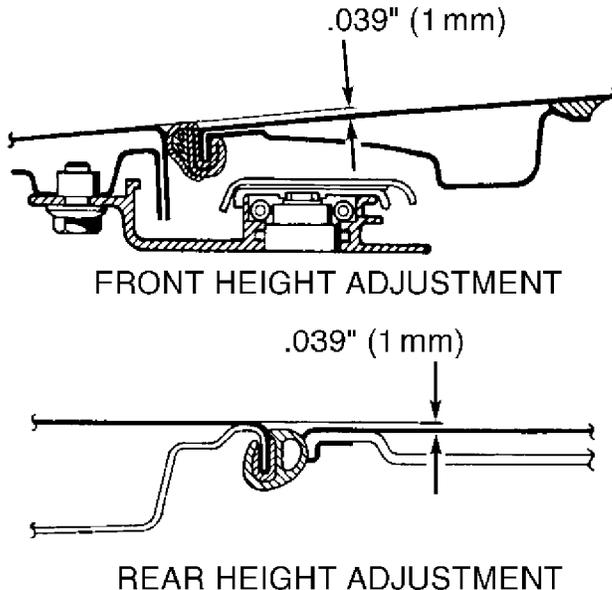
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Fig. 1: Aligning Guide Rail Pivot Position
(Corrado SLC, Golf, GTI, Jetta & Passat)
Courtesy of Volkswagen United States, Inc.

SUN ROOF HEIGHT ADJUSTMENT

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Corrado SLC, Golf, GTI, Jetta & Passat
Loosen adjustment screws. Adjust height by positioning sun roof panel at .01" (1 mm). See Fig. 2. Tighten adjustment screws to 48 Inch lbs (4.5 Nm).



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Fig. 2: Adjusting Sun Roof Panel
Courtesy of Volkswagen United States, Inc.

MAINTENANCE

DRAIN TUBES

Front drain tubes are routed through A pillars and discharge above front door hinge. Rear drain tubes are routed through D pillars and discharge behind rear wheel housing. Clean rear drain tubes through sun roof opening.

NOTE: Compressed air can be used to clean drain tubes

TESTING

NOTE: Test information is not available from manufacturer.

REMOVAL & INSTALLATION

CARRIER UNIT

Removal & Installation (Golf, GTI & Jetta)

1) Obtain radio code. Disconnect negative battery cable.
Remove sliding glass panel. Remove molding from headliner cut-out.
Remove electric drive motor cover.

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2) Remove pillar trim and electric drive motor. Remove carrier unit attaching bolts. Remove carrier unit. See Fig. 7. To install, reverse removal procedure. Push sliding headliner to rear until both springs engage.

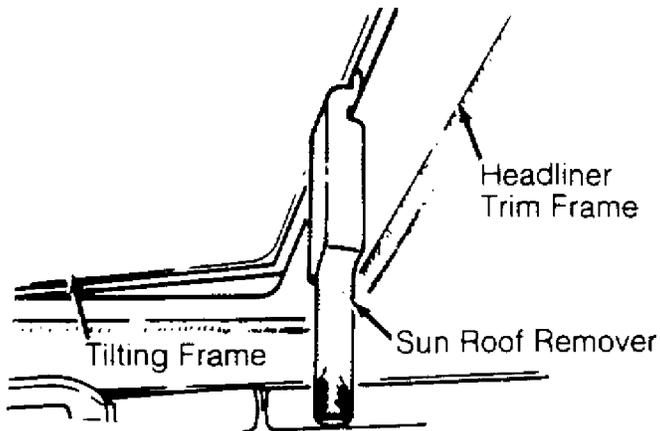
SLIDING SUN ROOF PANEL

Removal & Installation (Corrado SLC & Passat)

1) Slide headliner to rear. Tilt sun roof panel up. Install Sun Roof Remover (3195) into sun roof opening. See Fig. 3.

2) Pull sliding headliner and tilting frame down until sun roof remover engages headliner trim frame. See Fig. 5. Disengage headliner trim frame from guide rails by hitting sun roof remover toward rear.

3) Push back headliner trim frame until sun roof remover contacts edge of roof cutout. Remove adjusting plate Torx screws. Remove adjusting plate. Pull sun roof panel upward to remove. To install, reverse removal procedure.



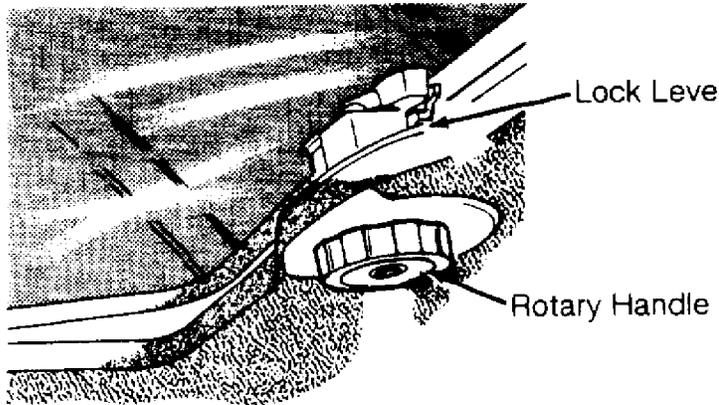
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Fig. 3: Installing Sun Roof Remover Into Sun Roof Opening
Courtesy of Volkswagen United States, Inc.

Removal & Installation (EuroVan)

1) Ensure sun roof panel is closed. Turn rotary handle screw about 1/4 turn until sun roof panel disengages from latch. See Fig. 4.

2) Turn rotary handle clockwise until sun roof is raised. Ensure sun roof panel does not engage latch. Press lock lever upward. Unlatch sun roof and remove from brackets. See Fig. 6. To install, reverse removal procedure.



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Fig. 4: Identifying Rotary Handle & Locking Lever
Courtesy of Volkswagen United States, Inc.

Removal & Installation (Golf, GTI & Jetta)

- 1) Slide headliner to rear. Tilt glass panel open. Unclip trim frame. Slide trim frame to rear. See Fig. 7.
- 2) Remove adjusting plate Torx screws. Remove adjusting plate. Pull glass panel upward to remove. To install, reverse removal procedure.

SLIDING HEADLINER

Removal & Installation (Golf, GTI & Jetta)

- 1) Remove sliding glass panel and move trim frame to rear. Using a small screwdriver, pry guide feet out of carrier guide by prying on one side while pressing sliding headliner into opposite guide channel.
- 2) Release spring and pull sliding headliner out of roof cut-out. See Fig. 7. To install, reverse removal procedure. Push sliding headliner to rear until both springs engage.

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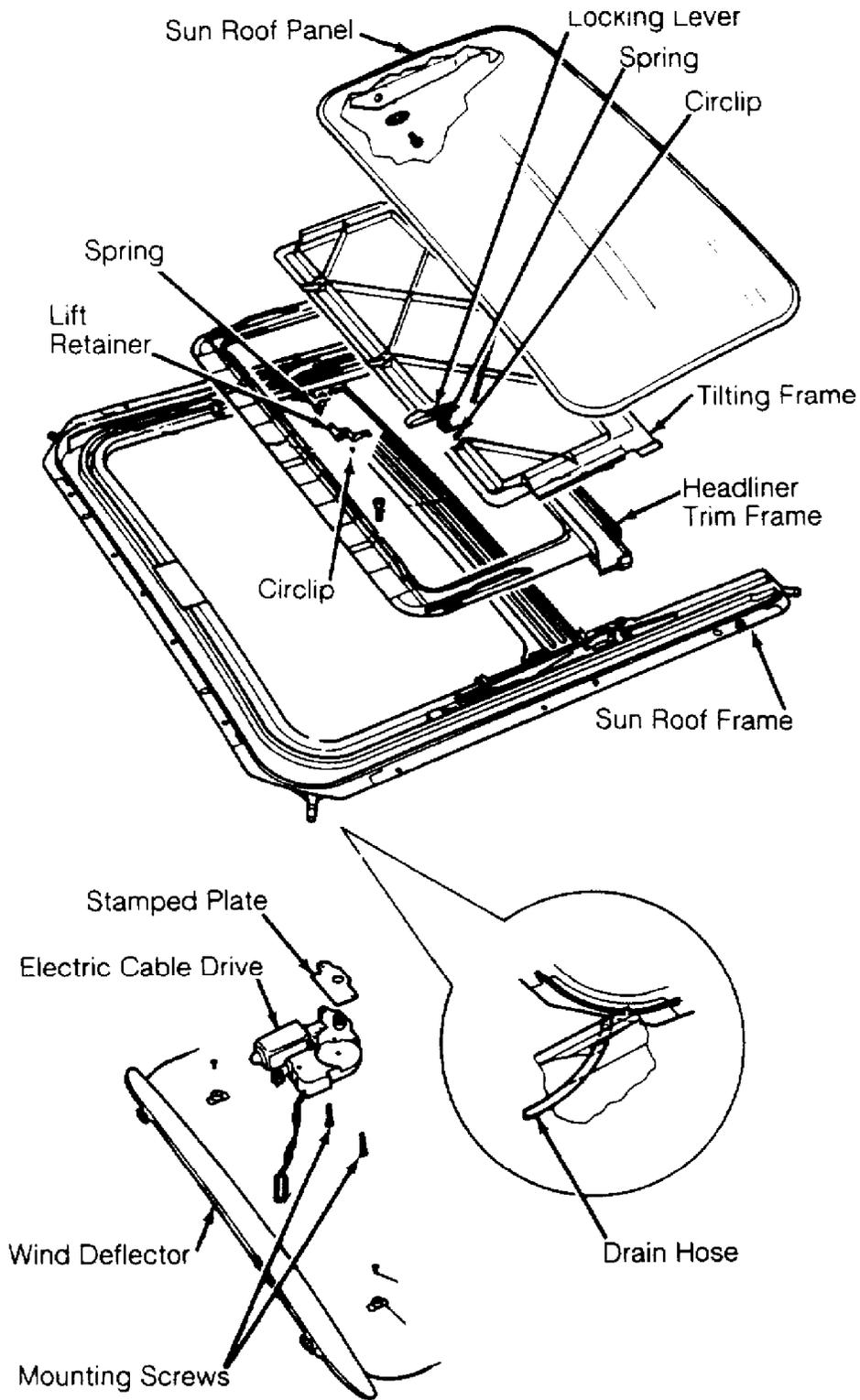
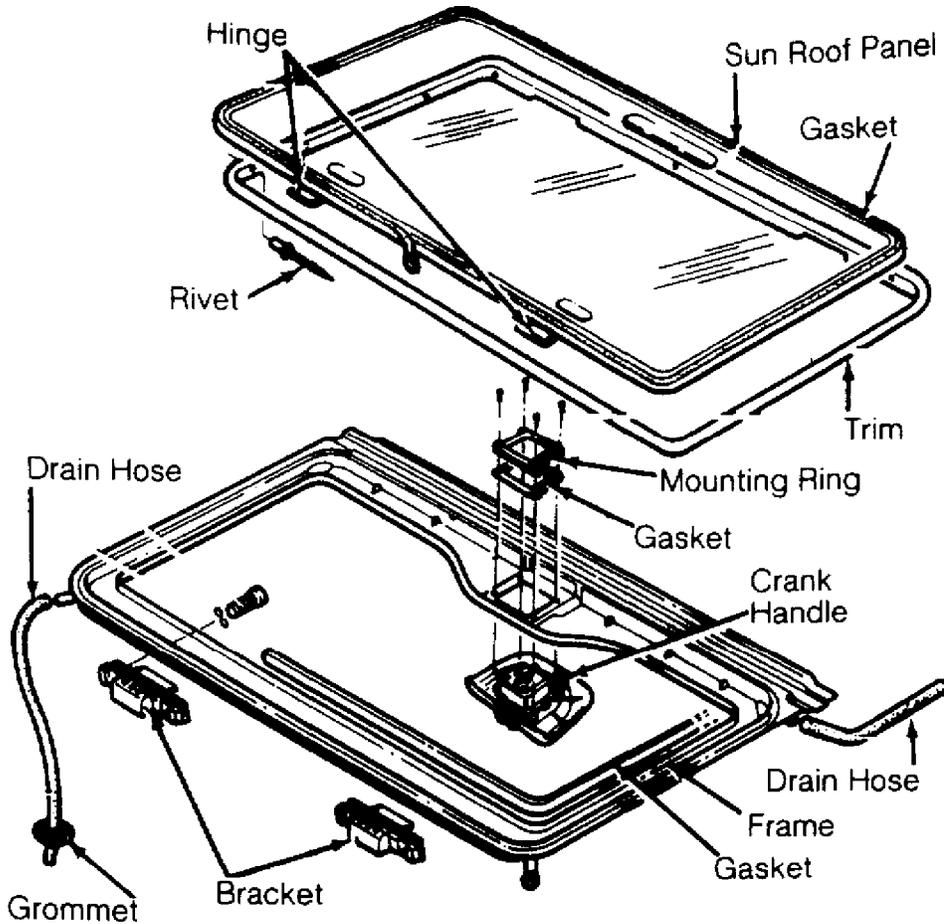


Fig. 5: Exploded View Of Power Sun Roof Assembly
(Corrado SLC & Passat)
Courtesy of Volkswagen United States, Inc.

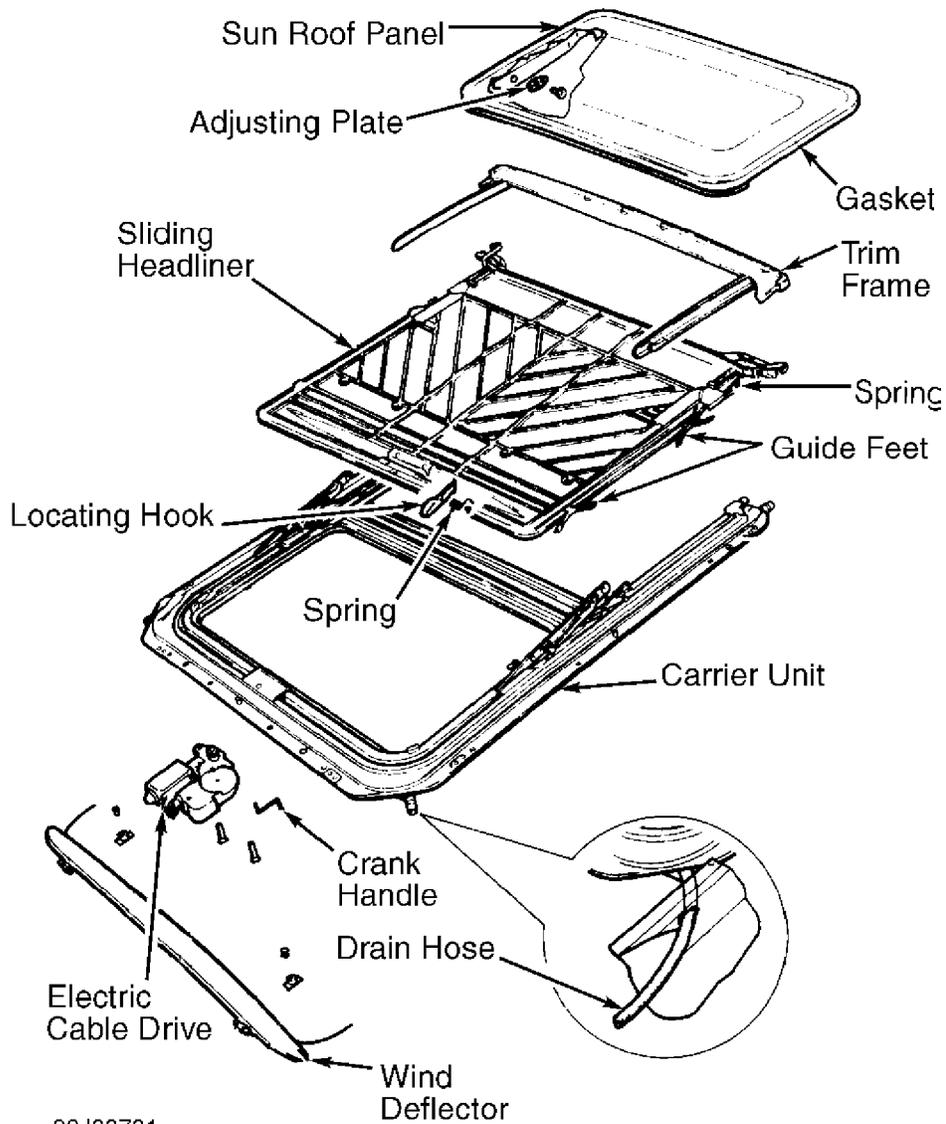
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Fig. 6: Exploded View Of Power Sun Roof Assembly (EuroVan)
Courtesy of Volkswagen United States, Inc.



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Fig. 7: Exploded View Of Power Sun Roof Assembly
(Golf, Jetta & GTI)
Courtesy of Volkswagen United States, Inc.

WIRING DIAGRAMS

See appropriate chassis wiring diagram in WIRING DIAGRAMS.

END OF ARTICLE