

FABRIC SUN ROOF COMPONENTS

1. Wind deflector
2. Sun roof switch and harness
3. Sun roof motor access cap
4. Sun roof motor cover
5. Sun roof motor
6. Anti-vibration foam strip
7. Roof clamping strips
8. Sun roof cassette
9. Sun roof to roof seal
10. Sun roof cover seal
11. Inner cover
12. Support bars
13. Slide shoe
14. Outer cover
15. Sun roof front seal
16. Drive block and cable.
17. Guide rail plate
18. Support bar spring

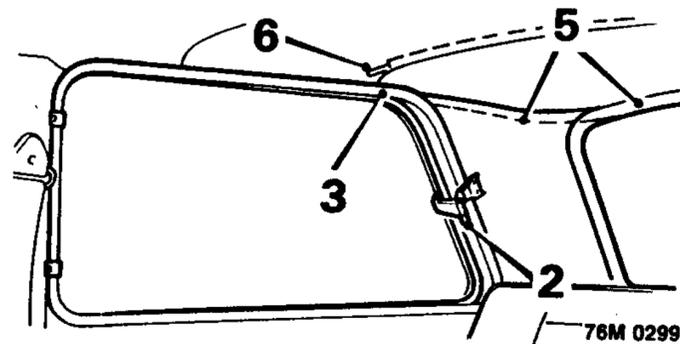
76M 0323

SUN ROOF COVER ADJUSTMENT

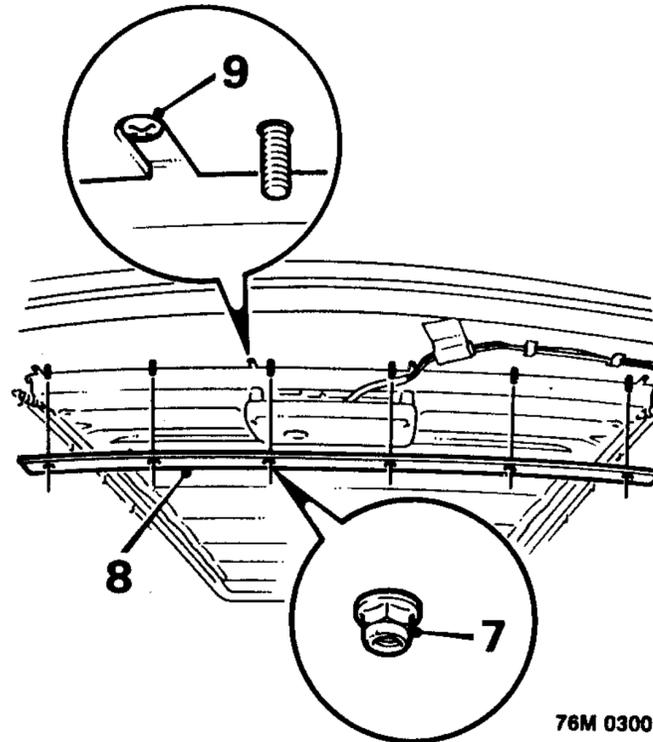
76.61.09

Removing

1. Remove heated rear window, see **Rear window - 76.81.10**



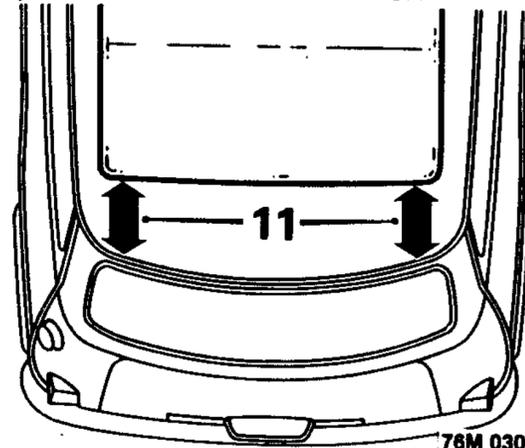
2. Open L.H. and R.H. rear quarter lights
3. Release quarter light sealing rubbers from top rear corner of each aperture.
4. Remove sun roof motor access cap.
5. Release headlining from rear window aperture and from behind 'D' post trim panels.
6. Release the headlining support rod from cantrail.



7. Remove 6 nuts securing rear clamping strip to roof.
8. Remove clamping strip.

Adjusting

9. Slacken 4 sun roof adjustment screws.
10. Open sun roof and adjust the position of the outer cover.



11. Measure between the rear edge of the outer cover and the roof drain channel to ensure both sides of the cover have been adjusted equally.

12. Tighten 4 sun roof adjustment screws.
13. Turn starter switch to position 'I'.
14. Open and close sun roof several times checking that the sun roof fully closes and that it does not stick on the front edge of the sun roof cassette when being opened. Check tension of the sun roof inner cover.
15. Turn starter switch to position '0'.

Refitting

16. Position rear clamping strip to roof, fit nuts and tighten to 4 Nm.
17. Secure headlining support rod to cantrail.
18. Attach double sided tape to edge of the headlining.
CAUTION: Do not remove backing paper from roof attachment side of tape until headlining is positioned.
19. Tension headlining to remove creases and secure headlining to rear quarter light aperture flanges and behind 'D' post trim panels.
20. Secure quarter light aperture flange seal.
21. Close L.H. and R.H. rear quarter lights.
22. Working from the centre of the rear window aperture, tension headlining and secure to flange.
23. Refit sun roof motor access cap.
24. Refit heated rear window, see **Rear window - 76.81.10**

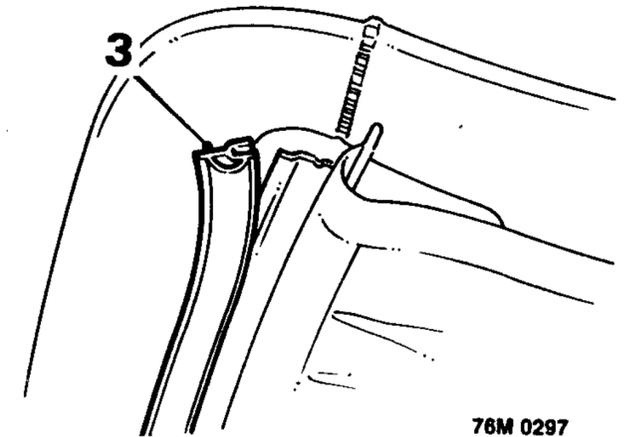
SUN ROOF FRONT SEAL

Remove and refit

76.82.65

Removing

1. Turn starter switch to position 'I'.
2. Open sun roof to gain access to front seal.



3. Carefully remove sun roof front seal from the outer cover support frame.

Refitting

4. Clean the contact area on the outer cover support frame with a cleaning solvent.
5. Locate the new sun roof front seal in the channel on the outer cover support frame.
6. Remove the backing paper from the sun roof seal and secure to outer cover support frame.
7. Close sun roof.
8. Turn starter switch to position '0'.

REAR WINDOW

Remove and refit

76.81.10

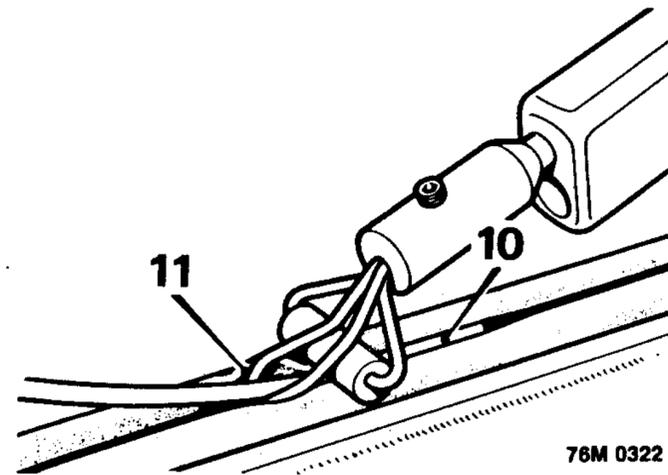
Removing

1. Remove the chrome finisher plate from the sealing rubber
2. Use a small screwdriver to extract one end of the finisher strip and carefully withdraw it from the sealing rubber.
3. Disconnect 2 Lucar connectors from heated rear window.
4. With an assistant supporting the glass from the outside, commencing at the top corner, press the rear window outwards from sealing rubber.
5. Remove rear window from sealing rubber.
6. Remove the sealing rubber from rear window aperture.

Refitting

7. Align rear window sealing rubber to aperture and secure to flange.
8. Insert a cord into the window groove of the sealing rubber.
9. Position the rear window glass to the sealing rubber. Apply pressure to the glass and use the cord to pull the lip of the seal over the edge of the glass.

Note: Apply soap solution around seal to aid fitment.



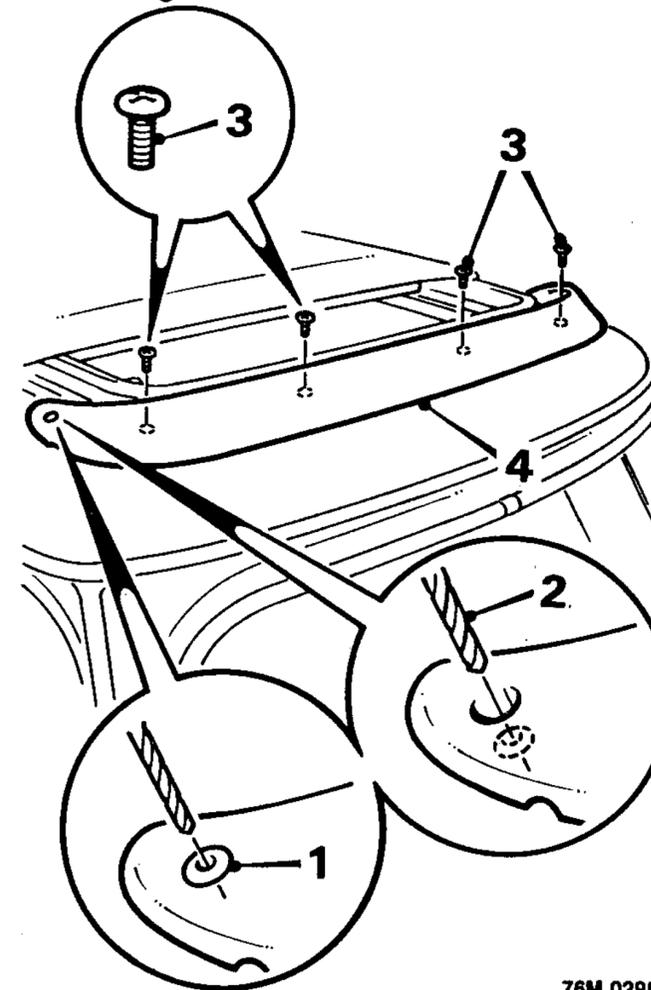
10. Thread the end of the finisher strip through the eye of 18G 468 B and under the roller.
11. Starting at the top centre of the window sealing rubber, insert the eye of the tool into the finisher strip groove.
12. Slowly push the tool around the entire length of the seal, feeding the finisher strip into the groove as the eyelet opens it and use the roller to bed the finisher into the seal.
13. Fit chrome finisher plate into sealing rubber.
14. Reconnect 2 lucar connectors to heated rear window.

WIND DEFLECTOR

Remove and Refit

76.82.31

Removing



1. Remove 2 cover plugs by drilling a 3 mm hole through them and levering out with a small screwdriver.

Early models

2. Using 4 mm drill bit, drill out 2 end fixing rivets.
3. Remove 4 screws, securing wind deflector to roof.
4. Remove wind deflector.

Later models

5. Open sun roof and release seal finisher from front edge of aperture.
6. Release headlining from front edge of sun roof aperture.
7. Remove 6 nuts and bolts securing wind deflector to roof.
8. Remove wind deflector.

Refitting

9. Apply wax to edge of fixing holes.

Early models

10. Align wind deflector to captive nuts, and secure with screws.
11. Rivet the ends of the wind deflector to the roof.
12. Fit 2 new cover plugs.

Later models

13. Align wind deflector to roof
14. Fit and tighten nuts and bolts.
15. Attach double sided tape to the edge of the headlining.
16. Position headlining to front edge of sun roof aperture.
17. Remove backing paper from double sided tape and secure headlining to sun roof aperture flange.
18. Close sun roof.
19. Fit 2 new cover plugs.

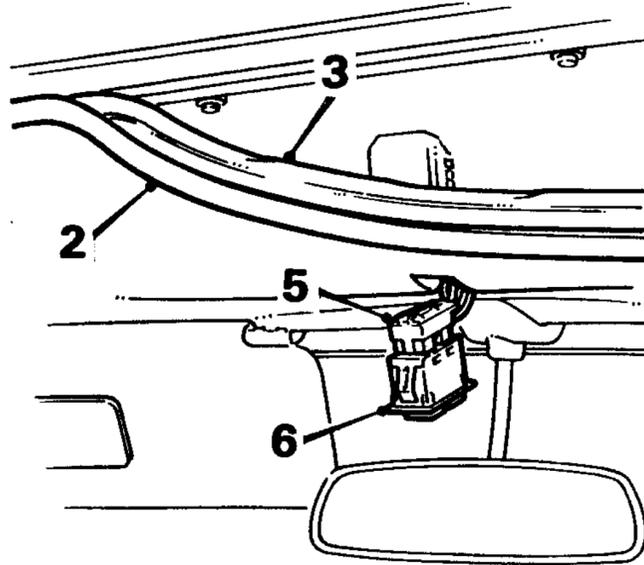
SUN ROOF SWITCH

Remove and refit

76.82.59

Removing

1. Open sun roof.



76M 0302

2. Release seal finisher from front edge of sun roof aperture.
3. Carefully release headlining from front edge of sun roof aperture.
4. Release 2 clips securing switch to roof bracket.
5. Disconnect switch multiplug.
6. Remove switch.

Refitting

7. Connect multiplug to switch.
8. Attach double sided tape to the edge of the headlining.
9. Position headlining to front edge of sun roof aperture.
10. Remove packing paper from double sided tape and secure headlining to sun roof aperture flange.
11. Reposition and secure seal finisher to front edge of sun roof aperture.
12. Position switch and secure into roof bracket.
13. Close sun roof.

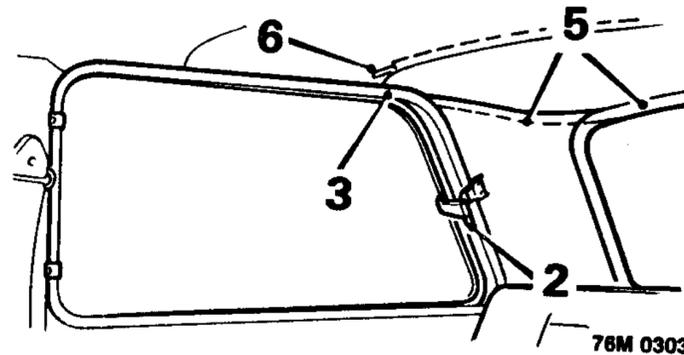
SUN ROOF MOTOR

Remove and refit

76.82.53

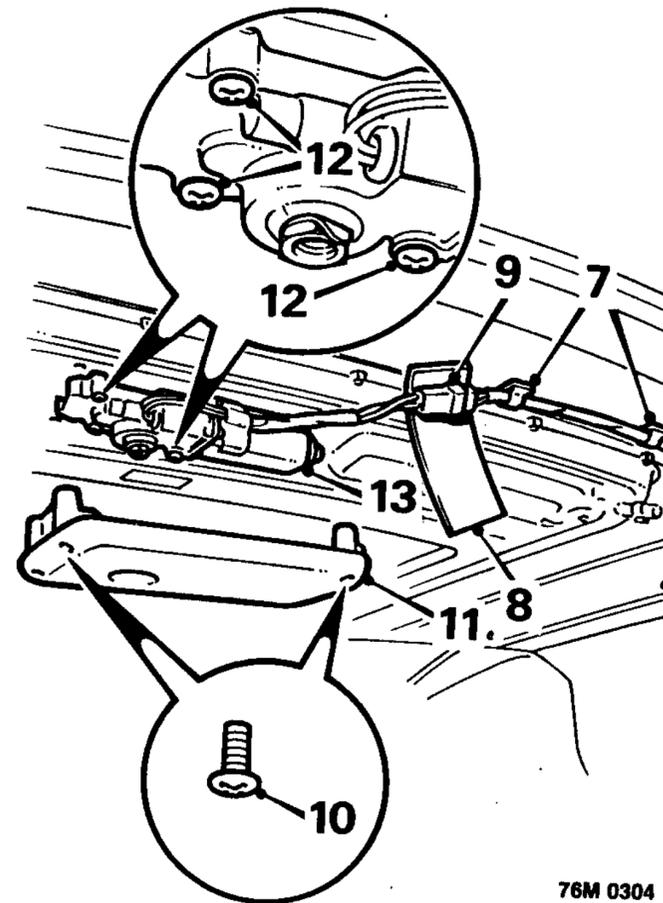
Removing

1. Remove heated rear window, see **Rear window - 76.81.10**



76M 0303

2. Open L.H. and R.H. rear quarter lights.
3. Release quarter light sealing rubbers from top rear corner of each aperture.
4. Remove sun roof motor access cap.
5. Release headlining from rear window aperture and from behind 'D' post trim panels.
6. Release the headlining support rod from cantrail.



76M 0304

7. Release motor harness from 2 clips on roof panel.
8. Remove the anti-vibration foam strip from motor harness multiplug.
9. Disconnect motor harness multiplug.
10. Remove 4 screws securing motor cover to motor.
11. Remove motor cover.
12. Remove 3 screws securing motor to sun roof assembly.
13. Remove motor.

Refitting

14. Position motor to sun roof assembly, fit and tighten screws to secure motor in place.
15. Position motor cover and secure with screws.
16. Reconnect motor harness multiplug.

17. Remove backing tape from new anti-vibration foam strip. Wrap foam strip around motor harness multiplug.
18. Secure motor harness to roof clips.
19. Secure headlining support rod to cantrail.
20. Attach double sided tape to the edge of the headlining.
CAUTION: Do not remove backing paper from roof attachment side of tape until headlining is positioned.
21. Tension headlining to remove creases and secure headlining to rear quarter light aperture flanges and behind 'D' post trim panels.
22. Secure quarter light aperture flange seal.
23. Close L.H. and R.H. rear quarter lights.
24. Working from the centre of the rear window aperture, tension headlining and secure to flange.
25. Refit sun roof motor access cap.
26. Refit heated rear window, see **Rear window - 76.81.10**

SUN ROOF COVERS

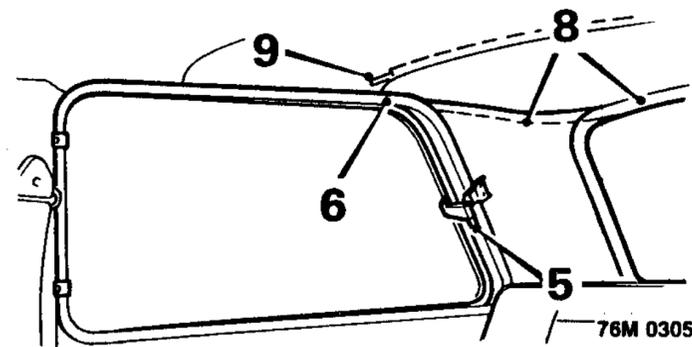
Remove and refit

Outer cover 76.61.11

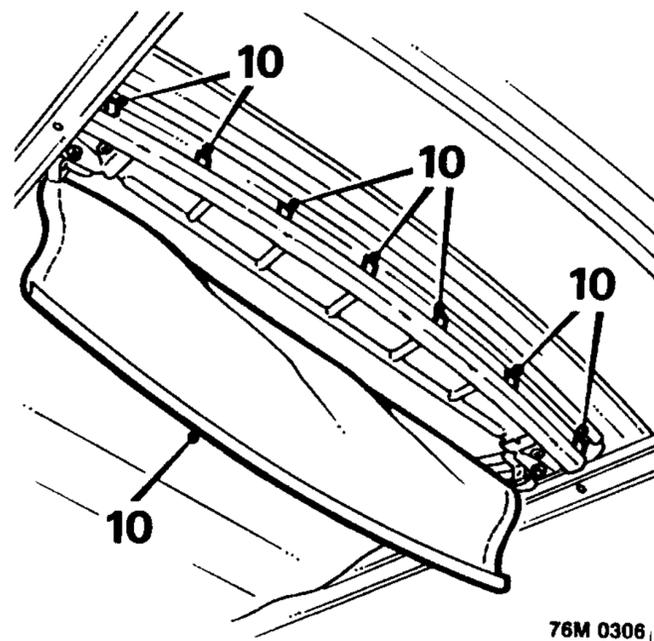
Inner cover 76.61.13

Removing

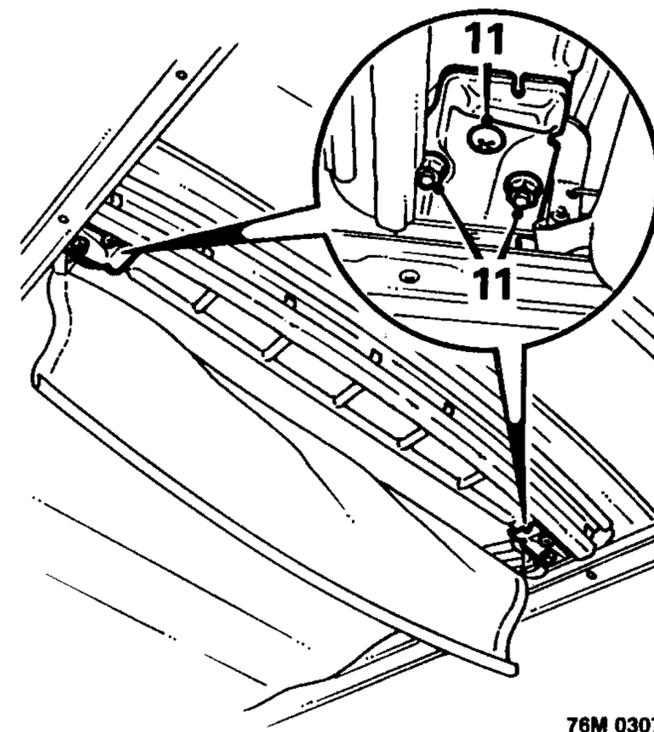
1. Turn starter switch to position 'I'.
2. Open sun roof approximately 200 mm.
3. Turn starter switch to the '0' position.
4. Remove heated rear window, see **Rear window - 76.81.10**



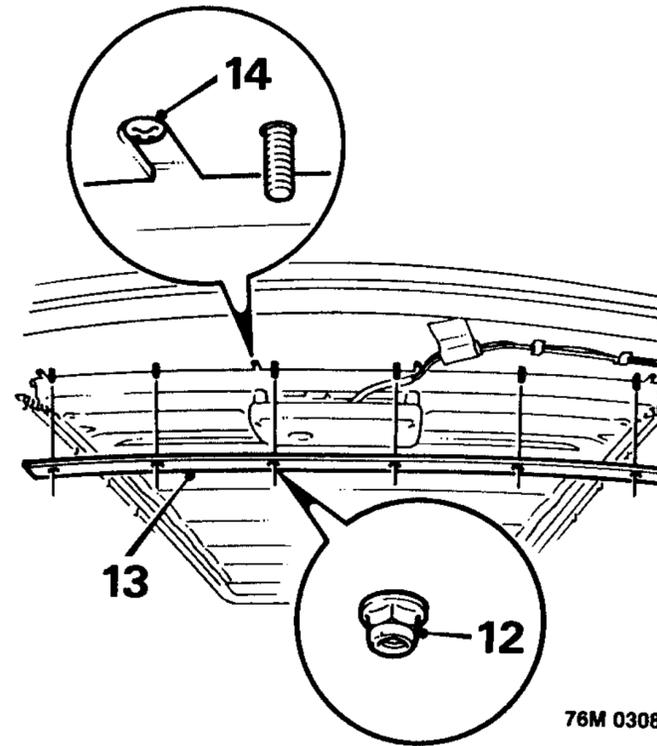
5. Open L.H. and R.H. rear quarter lights.
6. Release quarter light sealing rubbers from top rear corner of aperture.
7. Remove sun roof motor access cap.
8. Release headlining from rear window aperture and from behind 'D' post trim panels.
9. Release the headlining support rod from cantrail.



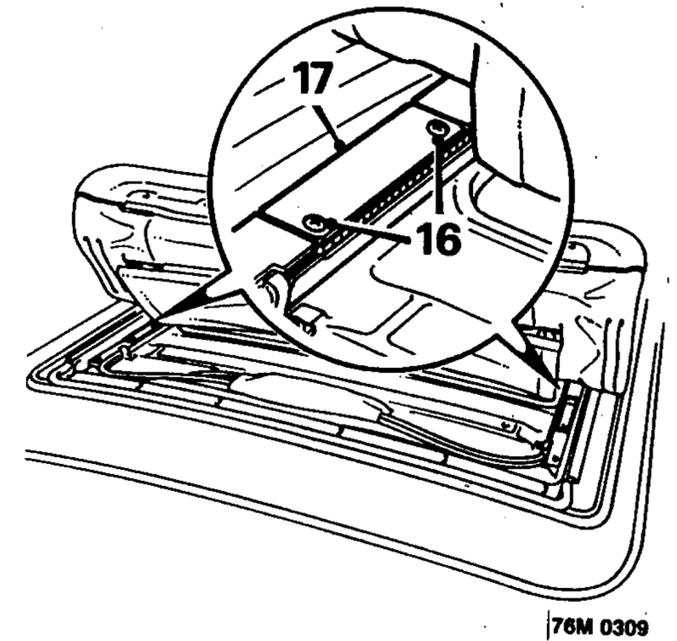
10. Push front of sun roof inner cover upwards to release from securing clips on frame.



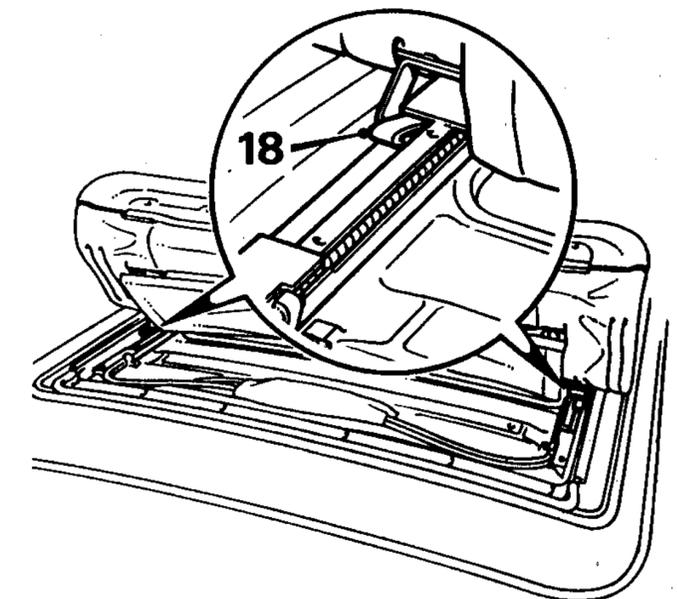
11. Remove 2 screws and 4 nuts securing cover assembly to drive cable blocks.



12. Remove 6 nuts securing rear clamping strip to roof.
13. Remove clamping strip.
14. Remove 4 sun roof adjustment screws.
15. Fold outer cover back on itself and push sun roof assembly forward to gain access to guide rail plates.

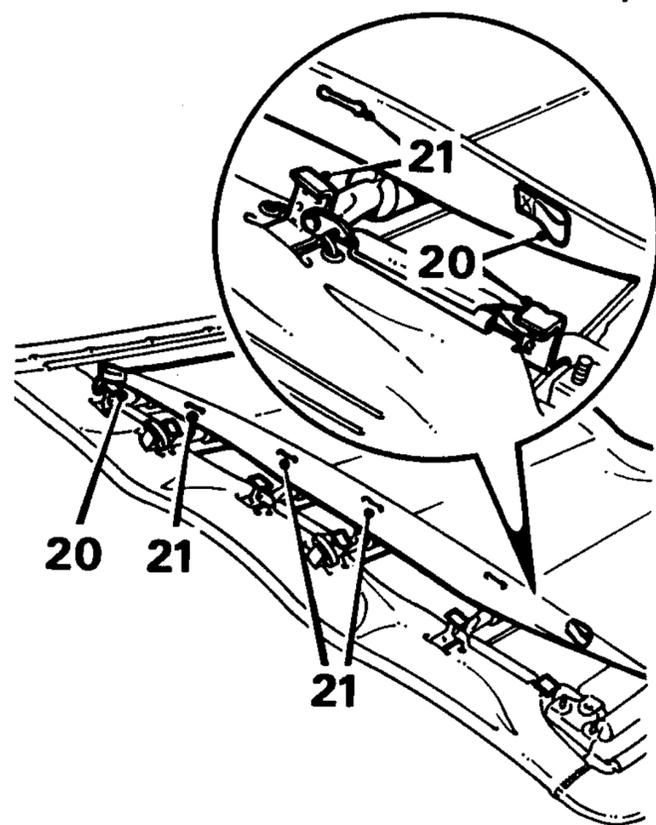


16. Remove 4 screws securing guide rail plates.
17. Remove guide rail plates.



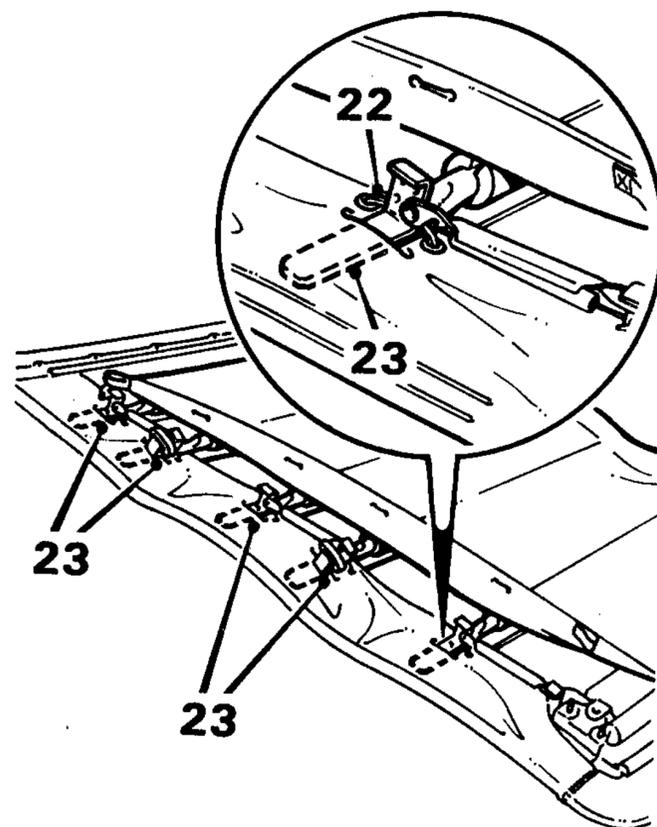
18. Working from the rear of car, slide cover assembly rearwards and release slide shoes from guide rails.
19. Remove cover assembly from car.
Note: Lay sun roof assembly on a clean table, outer cover side down.

Do not carry out further dismantling if component is removed for access only



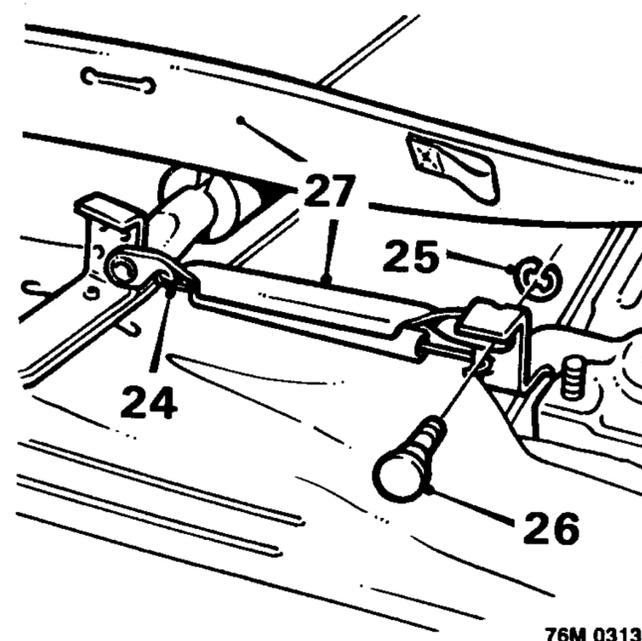
76M 0311

20. Release inner cover straps from outer cover support frame.
21. Release inner cover from the ends of the support bars.



76M 0312

22. Cut cable ties securing outer cover to support bars.
23. Release outer cover from the ends of the support bars.



76M 0313

24. Release and remove 2 springs connecting inner cover support bars to outer cover support frame.
25. Remove 2 circlips from pins securing inner cover support bars to outer cover support frame.
26. Remove 2 pins.
27. Remove inner cover and support bars from outer cover.
Note: If the outer cover is to be replaced the sun roof front seal will have to be carefully removed from the outer cover support frame and fitted to new cover.

Refitting

28. Position inner cover and support bars to outer cover.
29. Fit pins securing inner cover support bars to outer cover support frame.
30. Fit circlips to pins.
31. Fit and secure springs between support bars and frame.
32. Fit outer cover to support bar ends and secure with new cable ties.

33. Secure inner cover to ends of support bars and the inner cover straps to the outer cover support frame.
34. Using assistance position the cover assembly to sun roof cassette and locate the slide shoes into the guide rails.
35. Push the cover assembly forward and fit the 2 guide rail plates, secure with screws.
36. Position rear of outer cover, align and fit 4 sun roof adjustment screws.
Note: Tighten screws with the cover in the fully forward position on the holes.
37. Position rear clamping strip to roof, fit nuts and tighten to 4 Nm.
38. Align front of cover assembly to drive cable blocks, fit and tighten 4 nuts and 2 screws.
39. Secure front of inner cover to clips on frame.
40. Check and adjust sun roof cover, see **Sun roof cover adjustment - 76.61.09**
41. Secure headlining support rod to cantrail.
42. Attach double sided tape to edge of the headlining.
CAUTION: Do not remove backing paper from roof attachment side of tape until headlining is positioned.
43. Tension headlining to remove creases and secure headlining to rear quarter light aperture flanges and behind 'D' post trim panels.
44. Secure quarter light aperture flange seal.
45. Close L.H. and R.H. rear quarter lights.
46. Working from the centre of the rear window aperture, tension headlining and secure to flange.
47. Refit sun roof motor access cap.
48. Refit heated rear window, see **Rear Window - 76.81.10**

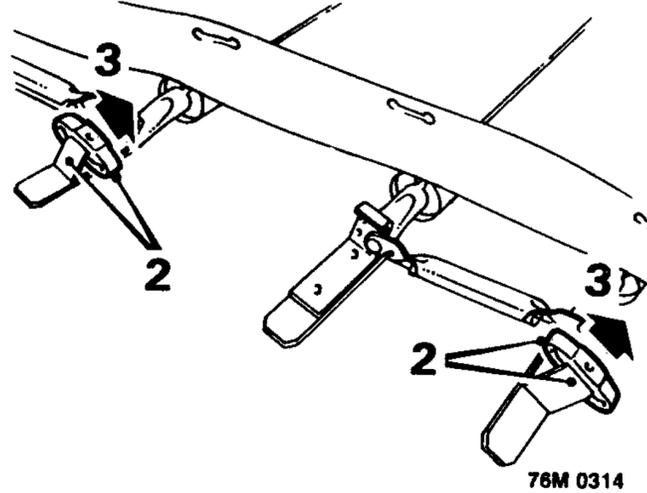
SUN ROOF SLIDE SHOES

Remove and refit

76.82.66

Removing

1. Remove sun roof cover assembly, see **Sun roof covers - 76.61.13**



2. Insert a flat blade between the RED slide shoe and the inner cover support bar.
3. Pull the slide shoes from the support bars.

Refitting

4. Fit new slide shoes to support bars.
5. Refit sun roof cover assembly, see **Sun roof covers - 76.61.13**

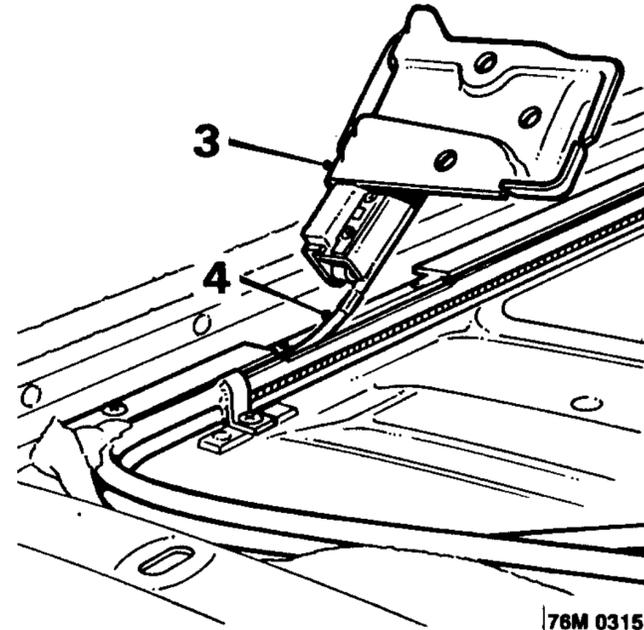
SUN ROOF DRIVE CABLE

Remove and refit

76.82.14

Removing

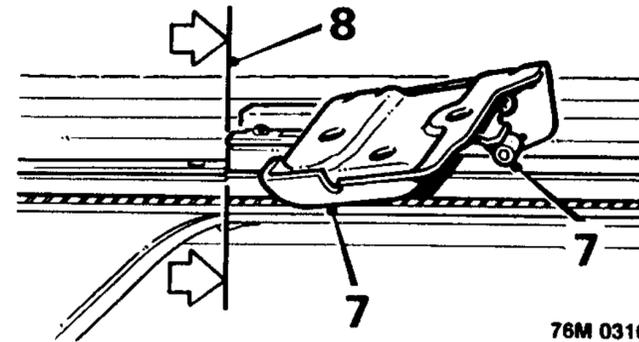
1. Remove sun roof cover assembly, see **Sun roof covers - 76.61.13**
2. Remove sun roof motor, see **Sun roof motor - 76.82.53**.



3. Slide drive cable block back so that it can be removed through the cut away in the guide rail.
4. Release drive cable block from guide rail and withdraw drive cable from cable guide.

Refitting

5. Lightly grease drive cable with petroleum jelly.
6. Feed drive cable into cable guide.



7. Fit drive cable block into guide rail.
Note: The front roller on the drive cable block runs on top of guide rail.
8. Align back edge of both drive cable blocks to front edge of guide rail cutaways.
9. Fit motor, see **Sun roof motor - 76.82.53**
10. Fit sun roof cover assembly, see **Sun roof cover - 76.61.13**

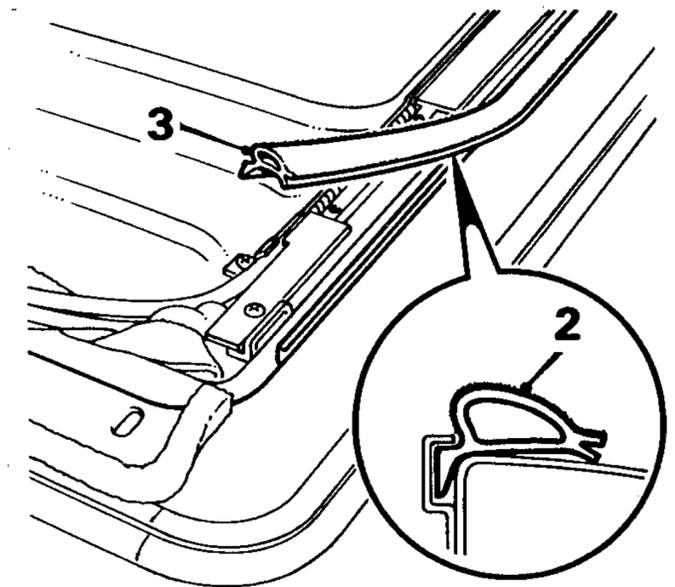
SUN ROOF COVER SEAL

Remove and refit

76.82.15

Removing

1. Remove sun roof cover assembly, see **Sun roof covers - 76.61.13**



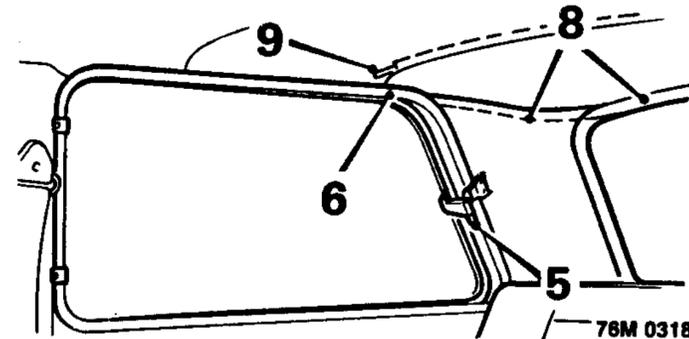
2. Release sun roof cover seal from channel on sun roof.
3. Remove sun roof cover seal.

Refitting

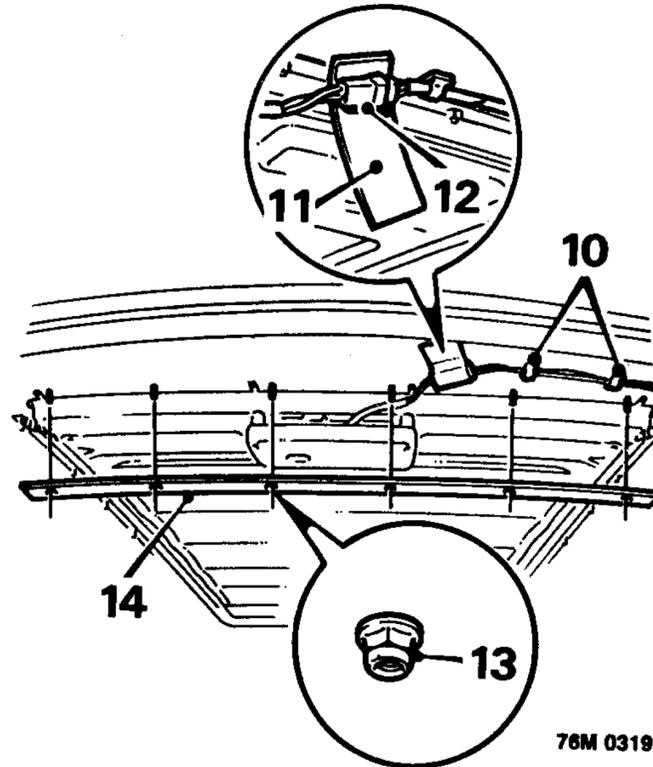
4. Remove backing strip from new sun roof lid seal.
5. Position sun roof cover seal and secure to sun roof.
6. Fit sun roof cover assembly, see **Sun roof covers - 76.61.13**

SUN ROOF**Remove and refit****76.82.56****Removing**

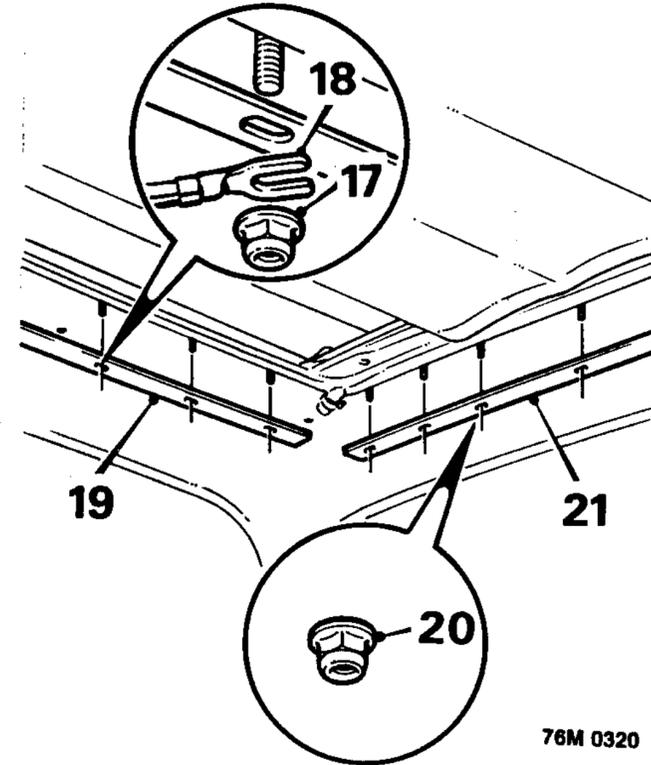
1. Turn starter switch to position 'I'.
2. Fully open sun roof.
3. Turn starter switch to position '0'.
4. Remove heated rear window, see **Rear window - 76.81.10**



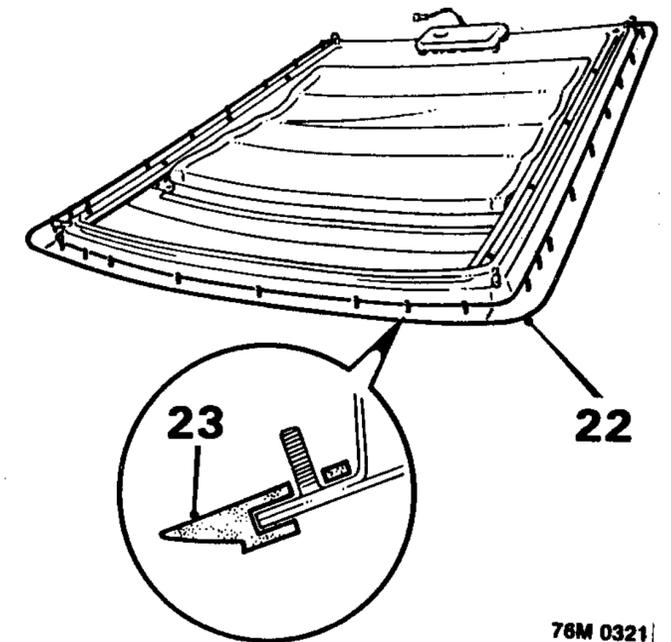
5. Open L.H. and R.H. rear quarter lights.
6. Release quarter light sealing rubbers from top rear corner of aperture.
7. Remove sun roof motor access cap.
8. Release headlining from rear window aperture and from behind 'D' post trim panels.
9. Release the headlining support rod from cantrail.



10. Release motor harness from 2 clips on roof panel.
11. Remove the anti-vibration foam strip from motor harness multi-plug.
12. Disconnect motor harness multi-plug.
13. Remove 6 nuts securing rear clamping strip to roof.
14. Remove clamping strip.
15. Remove seal finisher from sun roof aperture.
16. Carefully release headlining from sun roof aperture flange.



17. Remove 8 nuts securing front clamping strip to roof.
18. Release earth wire eyelet from sun roof stud.
19. Remove clamping strip.
20. Remove 18 nuts securing L.H. and R.H. clamping strips to roof.
21. Remove clamping strips.



22. Remove sun roof assembly from vehicle.

Do not carry out further dismantling if component is removed for access only

23. Remove roof seal from sun roof.
24. Clean contact face, remove backing paper from new seal, position and secure new seal.

Refitting

25. Position sun roof assembly to roof panel.
26. Align sun roof studs with holes in roof panel.
27. Position L.H. and R.H. clamping strips to roof, fit nuts and tighten to 4 Nm.
28. Position rear clamping strip to roof, fit nuts and tighten to 4 Nm.
29. Position front clamping strip to roof, fit earth eyelet to sun roof stud. Fit nuts and tighten to 4 Nm.
30. Reconnect motor harness multi-plug.
31. Remove backing tape from new anti-vibration foam strip. Wrap foam strip around motor harness multiplug.

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32. Secure motor harness to roof clips.
 33. Secure headlining support rod to cantrail.
 34. Attach double sided tape to the edge of the headlining.
CAUTION: Do not remove backing paper from roof attachment side of tape until headlining is positioned.
 35. Tension headlining to remove creases and secure headlining to sun roof aperture.
 36. Fit sun roof aperture seal finisher.
 37. Tension headlining and secure to rear quarter light apertures and behind 'D' post trim panels.
 38. Secure quarter light aperture flange seal.
 39. Close L.H. and R.H. rear quarter lights.
 40. Working from the centre of the rear window aperture, tension headlining and secure to flange.
 41. Refit sun roof motor access cap.
 42. Refit heated rear window, see **Rear window - 76.81.10**