



SERVICE MANUAL

VOLVO 164 1971

SEALING STRIPS, TRIM MOULDINGS AND GLASS REPAIR INSTRUCTIONS

SEALING STRIPS

The sealing strips are secured by means of spot-welded fastening rails.

A sealing strip is removed by pulling it outwards, when the ridge of the strip releases from the rail. When fitting the sealing strip, one of the ridges is placed in position in the rail, the other ridge is then pressed down into the rail with the help of a wooden putty knife. This is moved along the rail as shown in Fig. 8-21.

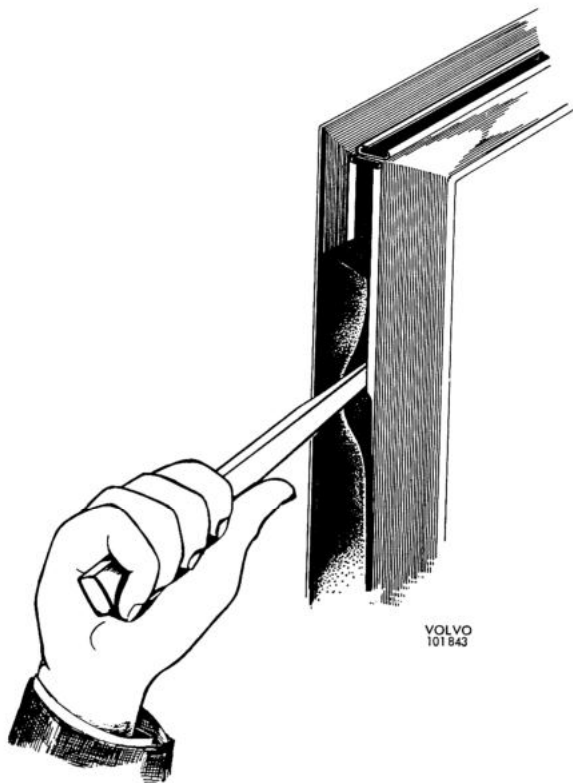


Fig. 8-21. Fitting the sealing strip

TRIM MOULDINGS

Waist mouldings

The waist mouldings are attached with plastic clips. The mouldings are removed with the help of a wooden putty knife with which they are carefully levered off. The clips can be removed by carefully pulling them off with pliers.

When fitting, begin by placing in the clips and locking them by pressing in the stud in the middle. The moulding is then pressed onto the clips.

Removing the windshield moulding

The windshield moulding is fixed by means of clips pressed into the slits in the windshield opening in the body.

The moulding can, for example, be suitably removed with a steel putty knife. Insert the knife between the windshield and moulding opposite a clip, see Fig. 8-22. Then prise the moulding loose.

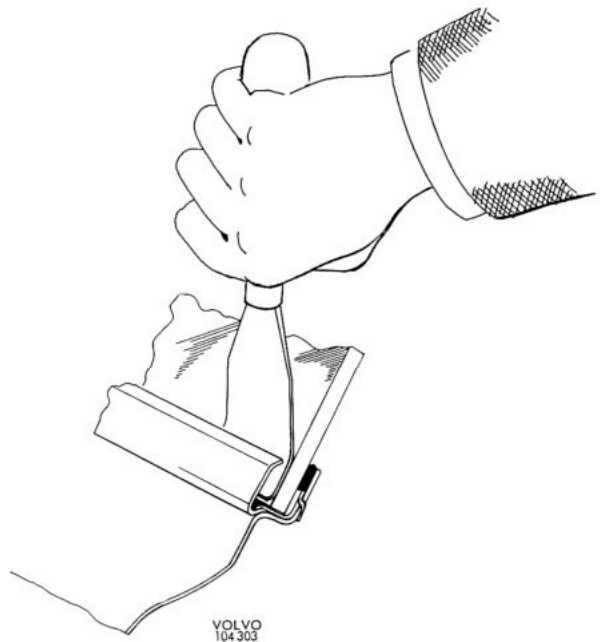


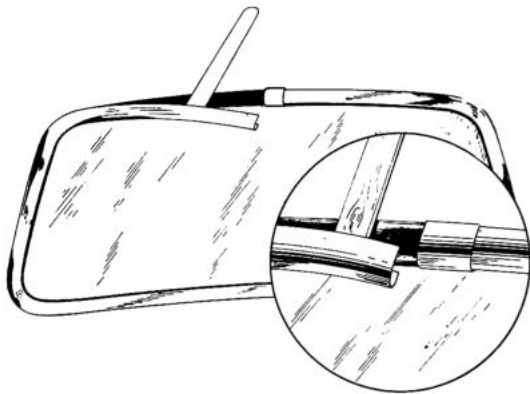
Fig. 8-22. Removing the trim moulding

Fitting

Fit the windshield moulding by pressing it in between the body frame and the clips. To ensure that the moulding coincides with the corner joints, fitting should be done in the following order. First, fit the lower moulding with a corner joint on. Then fit a side moulding also with a corner on. Finally, fit the remaining moulding together with corners and on to the body frame.

Removing the trim moulding for rear window

1. Remove the moulding from the rubber strip by inserting a moistened nylon putty knife and moving it all round between the strips (do not pull off the trim moulding).
2. Push over the joining pieces to one of the halves of the moulding.
3. Remove the trim moulding by levering out the ridge of the rubber strip from the trim moulding with a moistened wooden putty knife and releasing the trim moulding in the middle with another putty knife as shown in Fig. 8-23. Lever off the moulding carefully while releasing the rubber strip with the other putty knife.



VOLVO
24814

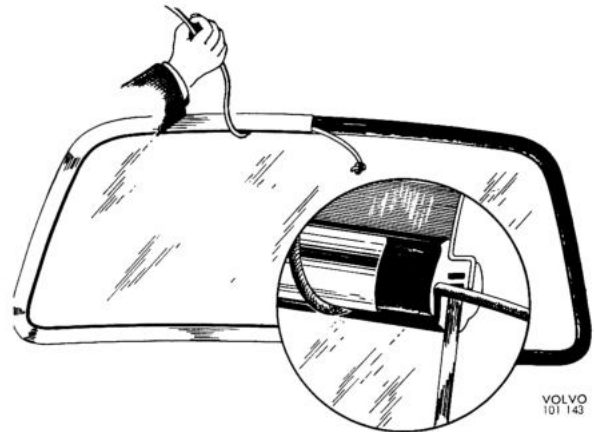
Fig. 8-23. Removing the trim moulding

Fitting the trim moulding for rear window

Moisten a 4.0 mm (5/32") leather cord in soap solution or paraffin and place it in the groove of the rubber strip for the trim moulding.

Place one half of the trim moulding in position and

hold it there while pulling the leather cord out upwards over the moulding so that it is pressed against the rubber strip as shown in Fig. 8-24. Push over the joining pieces and repeat the procedure with the other half of the moulding. Adjust the position of the joining pieces over the joints.



VOLVO
101 143

Fig. 8-24. Fitting the trim moulding

WINDSHIELD

Removing the windshield

1. Place protective covering over the hood and front seats.
2. Remove the windshield wipers arms.
3. Remove the external trim moulding. See "Removing windshield moulding".
4. Unscrew the inner covering strips and rearview mirror.
5. Cut the windshield loose with a warm soldering iron.

Insert the point of the iron in between the windshield and the body, from the inside of the vehicle, see Fig. 8-25. Then draw the soldering iron all round the windshield. The windshield can now be pressed out by hand. Cut off any remaining strands with a knife.

6. Clean the body (also the windshield if it is to be refitted) of any tape.
7. Remove any defective clips.

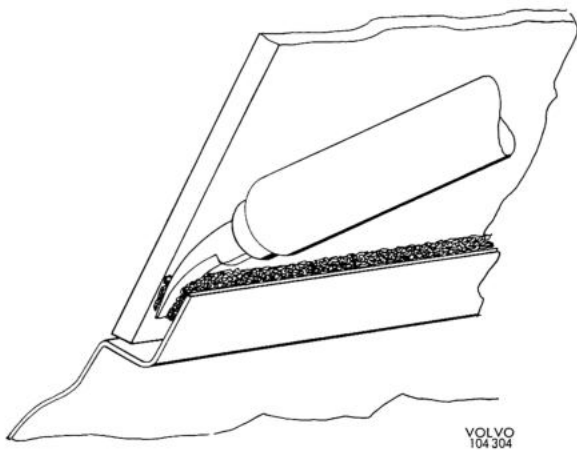


Fig. 8-25. Removing the windshield

Fitting the windshield

1. Inject sealing agent into the holes where the new clips are to be fitted. Use pump No. 210163.
2. Fit new clips.
3. Clean well the surfaces where the tape is to lie on the body and windshield. Use ethyl or methyl acetate for the cleaning. Be careful not to touch the cleaned surfaces.
4. Coat the clips with sealing agent No. 686275 so that the agent forms a smooth bridge between the clips and body for the butyl tape to seal against.
5. Coat adhesive on the cleaned surfaces on the body and windshield. Coat an edge between 18 and 21 mm (3/4 and 7/8") in width round the windshield, measured from its outer edge. Apply the adhesive twice to ensure total coverage. Any adhesive spill on the body or glass surfaces can be removed with methyl acetate. The adhesive can be applied within 5 minutes after the cleaning.
6. Fit both the spacers on the lower edge of the windshield opening. They should lie between the 2nd and 3rd clip from each windshield post.
7. Fit the butyl tape on the body not less than 10 minutes and not more than 1 hour after the adhesive has been applied. Roll the tape round the whole of the windshield opening with the protective paper on. The joint should be opposite one of the side posts and the joint ends should be cut at an angle.

The tape is best cut with a heated knife.

Place the tape edge to edge with the spot-welded flange. The tape profile may not be altered by stretching. The protective paper is removed im-

mediately before the windshield is installed. Be careful not to dirty or touch the adhesive surface of the tape.

8. Use a glass lifter for fitting the windshield. Two men are required to fit the windshield. It must be carefully fitted in the opening before being placed against the tape. Once the windshield has been placed in position, then adjusting possibilities are very small. The windshield must not lie against any clip.
9. Fit the fixture SVO 2899 and press the windshield firmly in position. When the outer plane of the windshield lies 1 ± 1.5 mm (0.04 ± 0.06 ") from the outer edge of the body, then the windshield is in the correct position. Let the fixture remain about 45 seconds.
10. If the butyl tape is squeezed outside the edge of the windshield on its inside, cut it off with a warm knife.

Note: If any part of the painted edge on which the butyl tape is fitted is seen through the windshield from the outside of the vehicle, apply sealing agent 686275 to these points. This is only required for light-colored vehicles

11. Fit the outer trim moulding, see "Fitting the windshield moulding".
12. Fit the inner cover strips and rearview mirror.
13. Fit the windshield wiper arms.

REAR WINDOW

Removing the rear window

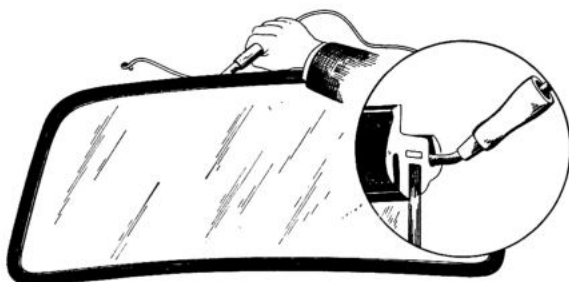
1. Remove the trim mouldings as described in operations 1—3 under "Removing rear window moulding".
2. Remove the cables for the electrically heated rear window.
3. Release the rubber strip both from the rear window and sheet metal by inserting a wooden putty knife moistened in synthetic washing solution (the putty knife should be moistened now and then during the course of the work) between the rubber strip and rear window and between the rubber strip and sheet metal respectively and moving it all round.
4. Start removing the rubber strip in the upper left-hand corner by levering the rubber strip over the edge of the sheet metal from inside and at the same time carefully pulling out the strip from outside with a pair of wide-nosed grips. Then carefully pull off the strip by hand all round and remove the rear window.

Remove all sealing compound from the sheet metal. If it has dried on, first carefully scrape off the sealing compound and then wash clean with

naphtha. Check that the sheet metal edge is not deformed. If the sealing compound has not dried on, clean the rubber strip with naphtha, otherwise replace it.

Fitting the rear window

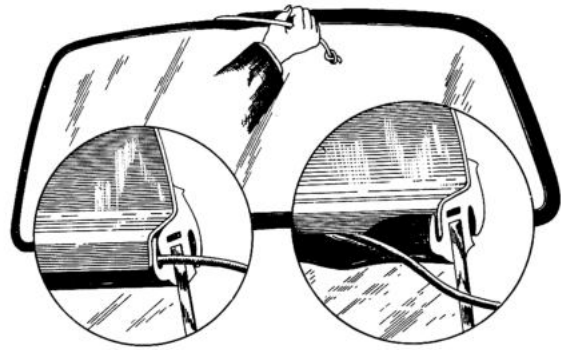
1. Moisten the outer edge of the windscreen and fit the rubber strip starting at one of the corners. Adjust the strip so that it lies correctly all round.
2. Fit a cord (preferably of terylene) of a suitable size in the groove of the rubber strip for the sheet metal edge, beginning at the top center as shown in Fig. 8-26.



VOLVO
24817

Fig. 8-26. Placing cord in rubber strip

3. Place the rear window in position with the rubber strip fitted. Wearing working gloves, carefully strike the rear window a few blows with the **palm of the hand** so that it makes good contact all round. Then carefully pull out the cord from inside. This will cause the rubber strip to "creep" over the sheet metal edge as shown in Fig. 8-27. It may sometimes be necessary to adjust the position of the rear window with the palm of the hand. If the



VOLVO
24822

Fig. 8-27. Fitting the rear window

cord is difficult to pull out, this may damage the strip, in which case the rear window should be stuck from inside or outside with the palm of the hand if the rubber strip does not "creep" over the edge of the sheet metal properly.

4. Check that the rubber strip seals well all round. If necessary adjust the position of the rear window both vertically and laterally **by striking with the palm of the hand**.
5. Seal the joints between the rubber strip and rear window and rubber strip and sheet metal with sealing compound using a gun with a flat nylon nozzle. Make sure that the sealing compound fills the joint well. Scrape off surplus sealing compound and wash the rear window and sheet metal with naphtha. Clean the rear window and sheet metal around it with polish.
6. Fit the trim mouldings as previously described.
7. Fit the cables for the electrically heated rear window.

REAR QUARTER WINDOWS

See the corresponding section under rear window.