

*Dedicated to improving vehicle fun, safety & performance*

## Installation Instructions

### Headliner Kit for 700 and 900 Sedans and Wagons



### INTRODUCTION

Kit includes roll of headliner material and spray can(s) adhesive

### SUGGESTED TOOLS

- Putty knife
- Nut drivers
- Screwdrivers
- Scissors
- Torx drivers
- Razor knife

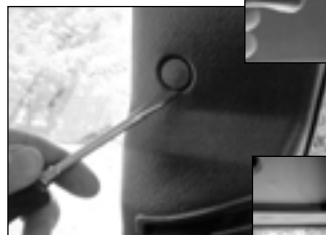
### HELPFUL TIPS

- Keep your work area clean and organized
- Keep the fasteners with the part it fastens so you do not mix fasteners.
- Check the sheet metal screw holes and hammer flat if the screw has pulled the hole too large for the screw.
- Before you install the new headliner check the sunroof drains. The tube for the front drains are crimped and often break at the joint. Use silicone to reseal any leaks. Check the drain hoses and clamps.

# INSTALLATION

## Removing headliner from car.

- 1** Remove the three inside grab handles as well as the dummy covers for the driver's handle. Pry away the handle's center trim, exposing the screws. The dummy covers pry off, exposing the screws. The trim above the front doors will now pull away from the car. It may be easier to remove the upper screw to loosen the vertical trim (seat belt cover) to give a little extra room. To do this, pry the screw cover from the bottom to reveal the screw. Once removed, the trim pulls away from the body. A sharp tug will release the vertical trim.
- 2** Remove the front pillar covers both left and right. First pull the door seal gasket away from the body. This will make it easier to pull the panel. Remove the upper hold down screw. Pull up and away from the pillar to release the three clips holding the trim. Push the vent boot through the lower part of the panel to completely remove.
- 3** Remove the sun visors left and right as well as the visor clips. The passenger visor may be wired for the lighted mirror. Disconnect wire at the lower pillar. And pull the wire through the headliner.
- 4** Remove the sunroof handle and then the sunroof gear cover. The handle has a center screw and the cover has two screws and once the screws are removed the panel is held in place by two clips in front. Electric sunroof - simply remove the cover panel.
- 5** Pry the rear view mirror trim away from the base of the mirror. Unscrew the mirror fasteners and remove.
- 6** Pry the crimp trim from the sunroof opening. Start at the joint clip at the rear and work your way around. Remove the headliner material from the surround where it is glued.

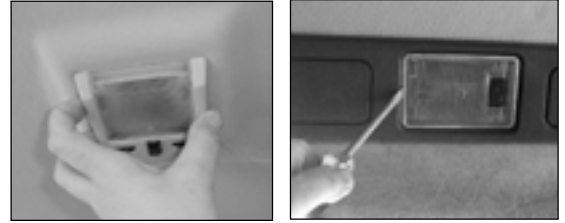


# INSTALLATION

- 7** Remove the center dome light. Pry from the side and it will pop out. The light may be a little stubborn. Make a note of the wire positions on the backside of the light. Remove the white plastic spacers from the dome light opening.

Wagon - Remove the rear cargo area dome light and note the wiring to it. Remove the screw behind the light that fastens the panel to the roof. Unscrew the five plastic screws that hold the rear panel to the roof and the panel will pull down.

Sedan - Pull away the pillar and quarter window trim. Pry the seat belt trim out to make it easier.



- 8** Now remove the remaining top side trim pieces that extend from the rear panel to the front panel. These pull away with a sharp tug.

- 9** The only things holding the headliner in place now are the turn clips in the center of the headliner, the front plastic rail above the windshield, the metal clip under the dome light and, in sedans, a plastic rail above the rear window.

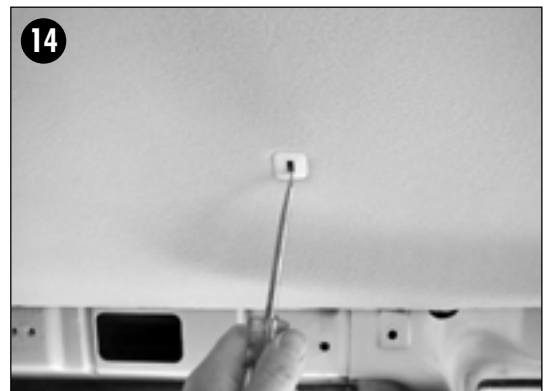
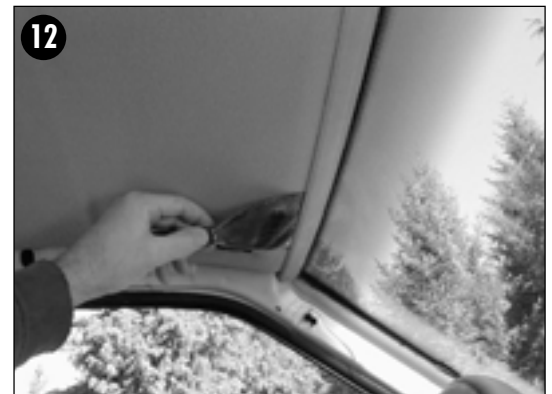
- 10** Now is the time to enlist the help of others as the removal is awkward and the headliner is very delicate.

- 11** Sedan - Put the front seats in the full recline position and have all the doors wide open and plenty of space to remove the headliner from the passenger side front door.

- 12** Remove the front plastic cross rail above the windshield. Use a putty knife and wedge it between the plastic and the headliner. Push the knife toward the windshield to release the rail from the clips. There are seven clips spaced about six inches apart along the rail.

- 13** Sedan - It may be easier to remove the rear plastic rail at this time especially for re-assembly. The rail is held in place exactly like the front rail. Use a putty knife to remove.

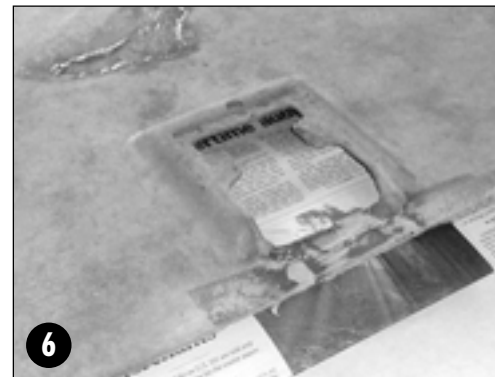
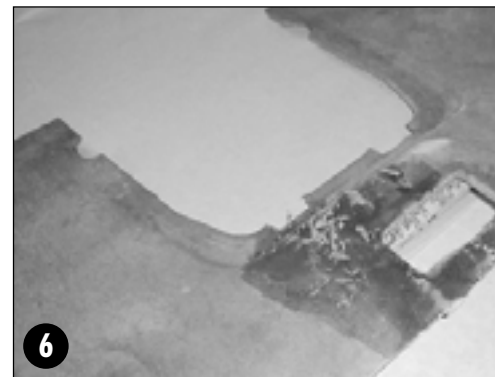
- 14** Use your helpers to support the headliner. Now remove the plastic turn screws with a straight screwdriver. Slide the headliner forward about two inches to release the dome light clip and at the rear. Now the headliner is free to be removed through the rear hatch on the wagon or through the right front door on the sedan.



# INSTALLATION

## *Preparing the headliner for the new fabric.*

- 1** Place the shell on a clean flat surface where it is safe from being damaged and is easy to work on. A large table is excellent or the floor will also work. It is important that the old fiberglass shell for the headliner is in good shape and all the foam is completely removed to provide a good gluing surface for the new headliner material. Support the shell in critical places where it may put too much stress on the shell. Folded newspaper works well when stuffed under the dome light opening and under the mirror opening as well as along the sunroof opening.
- 2** Remove any old material still stuck to the shell. Be careful not to bend the shell or it will break. It is common to have a few breaks especially around the sunroof opening and the visor area.
- 3** The foam left behind can be rubbed off with your fingers or use a stiff bristled brush to remove the foam. If you move in the same direction with a brush it will go quite quickly. Once the foam is loose go back over the same areas to double-check for cleanliness.
- 4** Once the whole shell is completely clean check for cracks and divots to repair. Any indentations and cracks may show through the new material.
- 5** Pry the metal clip to remove it from the dome light hole.
- 6** The best repair to the shell is a resin fiberglass repair. You can find a resin repair kit in most hardware stores. It is the same material used to repair boats and auto body fiberglass. Photos at right show some repairs done using the instructions on the can. It is a two-part mixture, which hardens in about 30 minutes. Once hard it can be sanded smooth if necessary.
- 7** The resin repair material can also be used to fill any divots. It soaks into the shell so a second coat may be necessary.

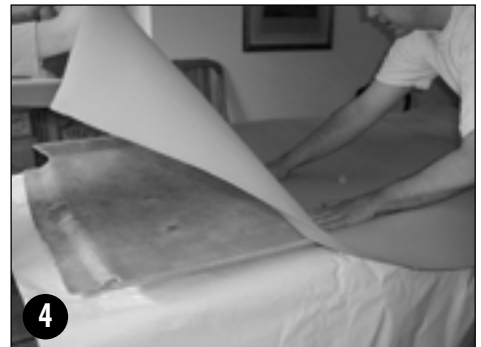
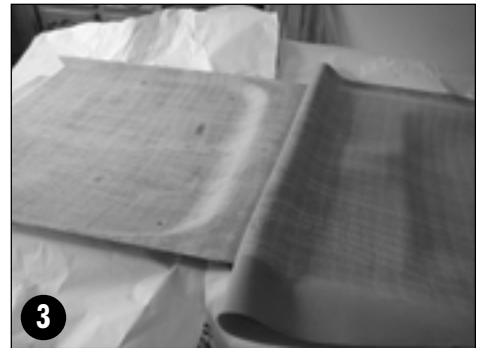


# INSTALLATION

## ***Applying the new material to the clean shell.***

This step will require a helper and is easiest if done in two steps. First gluing the rear half and then folding the rest over to the front half. Preparing the area around the shell will pay off later in cleaning up. Use lots of newspaper to allow for at least a two foot overspray around the shell. Don't forget the sunroof opening.

- 1** Read the instructions on the adhesive can. Pay attention to the temperature required for best adhesion. A dry run without the adhesive is a good idea to get the feel of the job. Once the adhesive is applied you have only one try.
- 2** Lay the new material over the entire shell and trim the long end but allow plenty of material - about six inches on both ends. The extra material can be used for the sunroof headliner, so trim it off and roll it up and put it aside.
- 3** Fold the material from the rear half over onto the front half so the foam back is facing up and the rear half of the shell is exposed- ready for the spray glue. Make sure you start ahead of the dip behind the sunroof. Following the directions on the adhesive spray can apply it to both the headliner material and the shell using as many coats as recommended.
- 4** Wait the recommended time. Have your helper fold the headliner back over the rear of the shell holding the headliner just above the shell so you can smooth the material from the center toward the rear.
- 5** Pay attention to the dip in the shell behind the sunroof. The material is elastic so it will conform to the shell using even motions with your hands. Do not use uneven pressure on the material or the foam will absorb the glue and stay compressed, leaving an uneven finish. Smooth as you go ending at the rear. Go back over the entire area especially the sides and smooth in any indentations in the shell so the material now conforms to the shell.
- 6** Now spray the adhesive on the front half and do the same steps as on the rear half. Be sure to have your helper pull the material taut to avoid a fold in the center. It is a bit of a challenge to work around the sunroof opening and keep it tight so there are no extra folds in the material. Smooth it out to the end and gently form the material to the mirror bulge and the visor indentations.
- 7** Once the gluing is complete, trim the outside edge with scissors. The front and rear edges have to be neat but the sides are hidden with trim.
- 8** Cut the openings for the dome light, mirror, visor, visor clips and the turn clips. Wait until after installation for the sunroof and sunroof crank opening.



# INSTALLATION

## Reinstalling the completed headliner.

This sequence is also much easier with a helper. Before you install the new headliner check the sunroof drains. The tube for the front drains are crimped and often break at the joint. Use silicone to reseal any leaks. Check the drain hoses and clamps.

- 1 Replace the metal clip at the dome light. It clips on the front side of the opening, crimping the headliner.
- 2 Have the plastic turn clips ready as well as the plastic rail that attaches to the metal clips above the windshield.
- 3 Locate the wires to both dome lights so they will be easy to pull through the holes once installed. Duct tape is what Volvo used and it will still work fine.
- 4 With help, maneuver the headliner into place next to the roof. Hook the dome light clip in place, moving the headliner from the front toward the rear. Pay attention to the headliner - the wagon is above the inner sheet metal near the hatch. The sedan avoids the rear quarter window side pieces and fits into the rear plastic rail above the rear window.
- 5 Attach the center of the headliner with the turn screws. Sedan turn screws are near the rear.
- 6 Locate the front plastic rail in the metal clips and engage the rail along the front. This rail crimps the front of the headliner in place. Take your time so it fits well.
- 7 Replace all the plastic side trim pieces in reverse of removal. Don't forget to fish the wire for the visor through the headliner before you replace the pillar trim. Replace the visors and the visor clips. Also remember the clear plastic note holder fitted to the drivers side pillar trim.
- 8 Replace the plastic spacers before the dome light, connect the dome light wires and replace the light.
- 9 Once everything is in place the sunroof hole must be cut along with the regulator opening. Before you cut the large sunroof hole, the sunroof must be open. If the roof is not already open cut a small hole for the regulator and open it all the way or use the electric motor.
- 10 Cut the hole for the sunroof opening allowing about 3/4" extra to fold over the edge of the opening. A good trick would be to use double stick tape along the edge of the opening to hold the material in place until the edge seam is pushed over the material. Start at the center of the rear opening and work your way around. Make sure the material is taut all the way around and there are no folds or slack areas.
- 11 Now cut the material for the regulator area. You can use the cover as a template so you know how far not to cut. Replace the mirror and mirror cover. Then replace the regulator cover and finally the handle.



If the sunroof needs the headliner replaced the roof panel must be removed as well as the headliner panel. The best guide for removal is the Haynes manual.

- 1 Once removed lay the sunroof's upholstered panel on a table and remove any remnants of the old material. The original glue most likely will remain and that is OK.
- 2 Cut a piece for the rear vent door, using the old piece as a template or allow about two inches all around the vent. With the material lying on the vent door, cut darts in the material so it will pull tight around the corners of the vent door. You will be pulling the material like stretching a canvas so it is OK to cut close to the edge of the vent door.
- 3 Test fit the piece and, with it lying in place, from the backside spray adhesive on the exposed 2-inch area around the vent door. Use newspapers to shield the rest of the sunroof panel from overspray.
- 4 Fold over the edges of the material to glue them in place on the backside of the vent door. Do not glue the center area of the vent door. The material is intended to float on the vent door. Remember to pull tight like stretching a canvas. Start at one side and attach the darts to the back and move to the opposite side as well as the third and fourth side.
- 5 Finally do the rest of the panel the same way as the vent door. It is best to do the overall panel and cut the hole and glue it after the outside edge is complete.
- 6 Replace the sunroof in the car and it will look as good as new. The sunroof may close slowly the first time because the new material has more crush than the old. Allow the roof to stay closed for a day and it will compress the material along the edges for a smooth operation.