

DESIGN 911

Centre for Porsche

Installation instructions

Targa Top Restoration Kit

Porsche 911 1965-1993



Before you begin:

Installation of your Targa top takes 6 to 8 hours. You may want to print of these installation instructions or have them opened on your portable (PC) in your work area.

You will need following tools:

- Heavy duty upholstery glue on Neoprene or PU basis (1 spray can)
- Glue suitable for PVC (1 small tube)
- Scissors
- Stanley knife
- Metric spanners (M13)
- Four large paper presses/clips (see pictures below)
- Ballpoint pen
- Masking tape
- Screwdrivers (flat and Phillips)
- Space heater or hairdryer (if space heater id unavailable)

Use of the space heater is recommended to heat the vinyl so that it will stretch/manipulate more easily when contouring your top. If the temperature is below 65F you may also want to consider using the space heater to improve adhesion of the glue.

Removing your old Targa top

1. Remove the top from the car and lay upside down on a comfortable working height. Remove the steel cover plates at the front of the top (picture 1A) and the Targa top clips (picture 1B). Now remove the corner covers by loosening the screw and levering away from top (picture 1C). Your old headlining can now be removed.



2. Remove the rubber seals on both sides of your top by taking out the screws in the rubber apertures (picture 2A). Now remove the 2 steel guides left and right (picture 2B). Use a metric spanner (M13) to remove the top guide pins (picture 2C). Your roof skin can now be removed.



3. Once your roof skin is taken off, the linen and padding can be removed. Your top is now fully dismantled. Inspect the frame for proper operation. In particular, pay attention to the condition and snugness of the tension bands (under thumb on picture) when the tension bars are in their extended position. Correct, clean and paint as required. Do not throw away your old top pieces. 'Reading' your old top may help to install new ones to perfection.



Installing your new Targa top

4. Turn over the frame (right side up) and ensure the tension bars are in their extended position. Position the linen covering so that the overhang is balanced on all sides (picture 4A). Mark the middle on both the linen and the tension band (front and back). Apply glue across the front tension band. Align marks and press middle to fit. Now pull the linen under light tension with one hand and slide your other hand from middle to side to a nice snug fit. Glue the middle section of the frame. Apply light tension, sliding your hand front to back to press the linen to a nice snug fit. Be careful to align marks as you slide to fit. Continue working sideways (picture 4B). and finally glue linen to the rear tension band to (picture 4C). Your linen covering is now tautly fitted to the Targa top frame.



5. Apply spray glue to the inner side of the Targa top frame edges. Cut away corners at 45° (picture 5A). Flod the linen over the edge and press to fit. Use a Stanley knife to cut away excess material (picture 5B).



6. Place the foam backing on top of the linen covering. Spray the edges as indicated by the tape (picture 6A) and press the foam to fit. Use scissors to cut away excess materail along the edges of the frame.



7. Turn your frame upside down on top of the vinyl skin. As you try-fit you will notice your roof skin is about ¼ inch shorter than your Targa top frame front to back. This is deliberate to ensure a taut fit. If possible place a space heater or hair dryer underneath your workbench, to provide a continuous flow of hot air across the roof skin. This will make working with the vinyl much easier. Increase stretch and allow you obtain a perfect fit. To obtain a taut fit, take the tension off the tension bars (picture 7A) and follow the attachment sequence front to rear then outbound as described below.



8. Apply glue to the inside front edge of the frame (across the linen) between the middle Targa top clips (pictures 8A). Pull the roof skin flap over the edge. Exercise enough tension on the flap so that the edge binding is pulled slightly inward (some 15°) as you press fit. This will ensure the edge binding nicely presses against the windshield frame when installed. Mark location of the clip screws. Cut through small holes with end of scissors or hole puncher and attach the 2 middle clips (picture 8B).

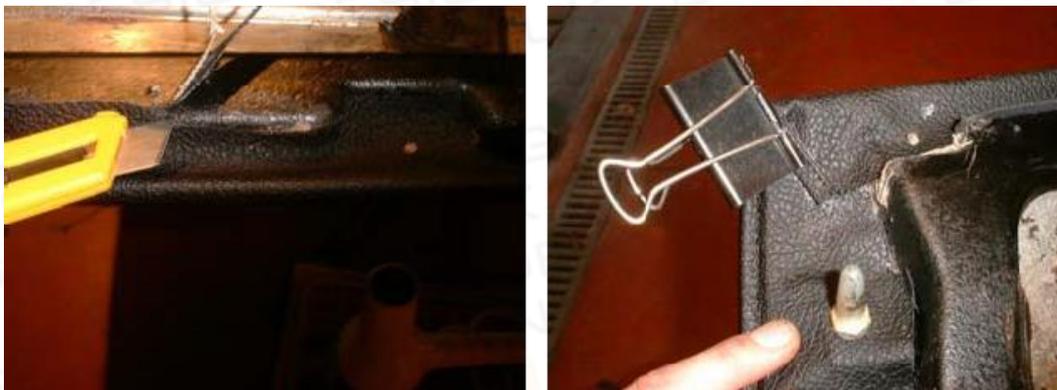


9. Now move to the back. Apply glue to the inside back edge of the frame (across the linen) between the middle Targa top clips. Proceed as under step 8.
10. Move again to the front. Apply glue to the inside front edge of the frame (across the linen) left of the middle Targa top clips. Proceed as under step 8.
11. Move again to the back. Apply glue to the inside back edge of the frame (across the linen) left of the middle Targa top clips. Proceed as under step 8.
12. Now move again to the front. Apply glue to the inside front edge of the frame (across the linen) right of the middle Targa top clips. Proceed as under step 8.
13. Move again to the back. Apply glue to the inside back edge of the frame (across the linen) right of the middle Targa top clips. Proceed as under step 8. Straighten the tension bars to ensure tautness.
14. Now move to the front corner. Mark location of the top guide pins. Cut through small holes with end of scissors or hole puncher and cut away excess material (pictures 14A). Apply glue

to the inside corner of the frame. Exercise enough tension on the flap so that the edge binding is pulled slightly inward (some 15°) as you press to fit. This will ensure the edge binding nicely presses against the windshield frame when installed. Attach the guide pin. To prepare for clean corner wrap. Cut into the vinyl along the edge binding about 1/8 inch short of the frame edge. Make a v-shaped cut, so that the vinyl edges just overlap (picture 14B). Turn to the other side and repeat the process.



15. Move again to the back. Apply glue to the inside corner of the frame. Proceed as under step 14.
16. Now turn to the sides. Apply glue along the side edge of the frame. Wrap roof skin vinyl over the side edge. Exercise enough tension as you press to obtain a taut fit. Move to the other side and repeat the process. Straighten the tension bars to ensure tautness. Cut away excess material (picture 16A). Apply PVC glue to the edge binding and press in position with a large paper clip. Allow to dry (picture 16B).



17. You are now ready to install the headlining. Try fit headlining (Position front and back edge binding about 1/2 inch long of the Targa top slips. When you are comfortable with the fit, start at the front. Remove the Targa top clips. Mark location of the clip screws on the headlining. Cut through small holes with end of scissors or hole puncher. Apply a narrow band of spray glue to the foam backing of the headlining (near the edge binding) and press to fit. Reinstall the clips. Now, apply PVC glue to front edge binding (picture 18A) and press in position with a few large paper clips. Allow to dry (picture 18B).



18. With the front of the headlining attached, mask along the small bulges in the frame, so that when you apply spray paint, only the elevated surfaces will be covered with glue (picture 18A). Now glue the elevated surfaces in the middle section of the frame. Remove the masking tape. Hold the headlining with one hand and use your other to gently slide front to back to press to fit. Repeat this process as you work your way from the middle to the sides. As you get to the side, make a T-shaped cut to accommodate the frame attachment (picture 18B). Apply glue around the frame attachment and press the T-shaped cut to a fit. You can now apply glue to the side and corner sections of the headlining. Hold the corner with one hand and use your other to gently slide from the T-shaped cut towards the corner to press fit.



19. You are now ready to instal the headlining at the back. Remove the Targa top clips and proceed as under stop 17.
20. Re-attach the steel guides. Reinstall the rubber seals. Apply some rubber sealing kit to fix the front and of the rubber seal (picture 20A) and press in position with a large paper clip. Allow dry. To avoid squeaking , tack some rubberised tape over the Targa top clip inserts (pictures 20B). tuck the headliner edge binding ectension behind the steel cover plates as you re-install. And finally to complete, re-install the corner covers.



Installing your new Targa top

To keep your top in pristine condition, just wash as you wash your car on a regular basis. Avoid the use of detergents. Alkali soap and a brush will typically do the job to remove stains.

When storing the top for long periods of time, it is advisable to leave it in its fully extended position. This will avoid wrinkling.