

## **INSTRUCTION MANUAL FOR YOUR SUNROOF**

The sunroof, supplied in kit form, is previously tested in the Ragtop factory before being sent with all the parts necessary for perfect installation.

### The kit contains:

- Carbon steel chassis with latch and headliner supports.
- A set of rails in aeronautical aluminum
- A set of corners in aeronautical aluminum
- Visco elastic tape for moisture insulation between the body and the aluminum
- Set of screws, nuts and washers
- Finishing wind lace for the headliner
- Vaseline

### How to install your sunroof?

Before starting the installation, make sure you are using safety equipment like gloves and safety goggles to avoid accidents.

### Tools needed for a perfect installation:

- A drill
- A jigsaw or cutting disc
- 4 and 8mm drill
- Contact glue
- Various wrenches and pliers
- Philips screwdriver
- Pen or pencil

### **After gathering the necessary tools, let's move on to the first step!**

Disassembly of the internal upholstery:

Place your car in a spacious area so that it can remain with the doors fully open, remove the front seats and clean the roof surface to remove particles that could scratch the paint.

Remove the headliner bows and make sure the headliner is completely loose.

**After lowering and protecting the headliner from the car's roof, let's move on to the second step!**

Marking the exact location of the sunroof:

Use the steel sunroof chassis frame itself as a template, just inverting the screws at the ends so that the frame is as close as possible to the vehicle's roof.

Place it on top of the car so that the internal cutting part is at least 22cm away from the front window, for busses this should be 7cm after the B-pillar or fresh air outlet.

Then make sure the template is centered on the roof of the car, make sure the side measurements are the same on both sides.

Clamp the template so that you can start drilling the holes first. With a pencil or a marker, mark the inside area to be cut, exactly following the marking specifications.

After marking, make sure once again that the marking is correct so that there are no errors when drilling or cutting.

**After making sure that all the marking are correct, let's move to the third step!**

Cutting the car's roof:

Using the 4mm drill, make the holes indicated by the markings, then enlarge the holes using the 8mm drill.

After all the holes have been drilled, remove the template and start cutting the roof.

When starting the cuts, ask a friend to help you hold the part of the roof that is cut to prevent damage to the headliner.

**Now, with the holes and cuts made, let's move on to the fourth step!**

Make a square cut into the headliner about 20cm smaller than the roof cut, so that it can be glued on later reusing the same material. Some help of a professional might be helpful at this stage...

The headliner should be cut so that a person can stand in the car.

### **Fitting the sunroof frame, the fifth step!**

Reverse the 4 screws at the corners of the frame so that their heads are flush with the top of the frame, install the closing latch and the upholstery supports on the front of the frame.

With the help of a second person, secure the frame under the cars roof, temporarily fixing it with pressure pliers or screws and nuts, aligning it so that all the holes in the frame and the roof line up perfectly.

Now start fitting the aluminum rails starting from the front part. After fixing the front part, move on to the sides which must have their screws positioned so that they pass through the holes in the frame without much effort.

Before fully attaching the sides, install the rear corners and cross member and line out.

The tightening of the screws must be uniform, always starting from the middle to the end of the pieces.

After having installed the frame and aluminum rails, we can go on to the next step.

### **Installing the Ragtop, the final step!**

First, stretch the cover above the hole in the roof, secure the back of the cover with its 4 screws but do not tighten them yet.

Then insert the plastic slides, duly greased with Vaseline, into the side rails which must also be greased with Vaseline using a small brush.

After all the slides are inserted into the rails, make sure the latch is in the open position and slide the ragtop forward.

Turn the latch to the locking position, at this point the back of the ragtop will tend to adjust itself as the back will come slightly forward.

Now tighten the 4 remaining screws on the back of the ragtop, but don't over tighten them to avoid distortion at the rear of the ragtop.

The first time you'll close the ragtop a certain effort will be required, but after a few times the ragtop will close more lightly and effortlessly.

To adjust the tension of the ragtop, just loose the 4 screws at the back and move them a little forward or backwards. Tighten the 4 screws again.

Should you have any questions or difficulties, don't hesitate to contact us. We are at your disposal to help with the perfect installation of our ragtops.

Remember that all our ragtops are tested on original bodies before being packed and sent to you, thus eliminating any type of adjustment beyond these necessary for installation.