

Smith Instrument O-ring Kit

PART# 30-1252

Installation Instructions For: All E-Types

You are purchasing a Smith Instrument o-ring kit to allow you to clean your instruments and reassemble them. The 52mm gauges are very common but the speedo and tac gauges vary, ours are for the E-Type Jag.

In addition, you receive:

- a packet of dielectric grease.
- 2 each 5 inch/127mm o-rings for the speedometer and rev-counter.
- 4 each 2 inch/52mm o-rings for the amps, oil, temperature, and fuel gauges.
- 4 each 2 inch/52mm flat rings for the instrument bezels

The o-rings and bezel rings are not to seal the gauges, but to act as cushions. The gauges have numerous openings that can allow dust to enter.

Cleaning your gauges can make a big difference in the look of your panel. As mentioned above, dust can enter the gauges, and after 40 plus years, otherwise nice instruments can look nasty.

This can make an easy satisfying one day project.

What is the dielectric grease for you say? The forty plus years can allow for a good deal of corrosion to build up on the electrical contacts, plugs and switches. We'll deal with that later.

Let's start with the gauges. After removing the gauges (maybe one at a time) you will first remove the bezel. Take a few photos of the backs. This is by twisting the bezel until the tangs line up with the notches on the gauge. Sometimes easy and sometimes not so much. If it won't twist off, you may need to gently pry the tangs up a little with a small screwdriver. Be very careful that you don't touch the face with your fingers, as a little oil from your fingers will leave a mark on the matt finish. Try some lint free gloves. Once the bezel is removed, clean the glass lens and store it in a safe location. Next, use some "canned air," available at office supply stores, to blow out the instrument, and clean the face with a lens brush if necessary. If the seal in the bezel is deteriorated, remove it and replace it with the flat cut o-ring. Before replacing the bezel, be sure the face is in place. At the top you will see a small tang with a corresponding opening on the case. Be sure the tang is in place before positioning the glass. Install the bezel. If the bezel seems a little loose, use a small screwdriver to tap each of the tangs down just enough to hold it in place; it isn't going anywhere. Install the 52mm o-ring and it is ready to go back in the panel.

Now that you have the panel down, start cleaning your connectors and fuses. Years of corrosion in the wiring causes resistance which results in heat and a fire hazard. Some of our instruments are converting electrical resistance into an instrument value. Induced resistance can be caused by corrosion and result in a bad reading.

Installation Instructions

Start by cleaning the spades with a piece of scotch bright or fine sand paper. The female can be cleaned with a piece of folded sand paper. It doesn't need much cleaning to make a big difference. Now apply a light film of dielectric grease and plug it together a couple of times to help the contact. The dielectric will protect it for many years. Remove the bulbs and apply a light film to them too. Finally, the fuses. Remove the fuse and clean the ends with scotch bright and then the fuse retainers. Again, treat them with the grease.

In just a few hours, you have reversed years of aging and will have fewer problems. If you feel confident, you can disassemble the rocker switches and clean and treat them too.

The clock is easy. Just pack it and ship it to an expert for service and cleaning. Some of the E-Type clocks are becoming scarce, so leave it to an expert.