

Preparation for Installation of Total Recall 3-Gauge Panel

Tools Needed

- * Hole saw and drill
- * 5mm or 3/16" drill bit
- * #29 or 1/8" drill bit
- * Die grinder w/ small burr
or round rat-tail file
- * Stubby step drill bit
- * 4mm x .70 tap

Extra Parts Needed

- * 3 - Gauges
- * 5 - 4mm x 16mm screws
- * 1 - Grommet
- * Wire and wire ends

1. The openings for your three gauges will need to be cut out using a hole saw. Chose a hole saw closest to your gauge size without being larger. For example, for a 2-1/16" gauge, use a 2" hole saw. Cut the hole and remove the remaining material using a die grinder with a small burr or round rat-tail file. This allows you to shift the holes up or down if needed as you test fit the gauges. *See fig. 1.*
2. Drill the five front mounting holes with a 5mm or 3/16" drill bit. *See fig. 2.*
3. Remove the five bottom screws from your fresh air box and test fit the panel. It may be necessary to remove some material from the backside of the panel to get the mounting screws to align, especially on buses built before 1964. You can do this using any type of sanding equipment such as belt sander, disc sander, etc. *See fig.3.*
4. Now above the rear view mirror (be sure to remove the mirror before drilling to avoid damaging it), drill a 1/2" hole, staying below the fresh air box, using a stubby step drill bit. *See fig. 4.* Note: To clear the wiring grommet, you may need to relocate the mirror mounting holes down slightly.
5. Insert a grommet in the 1/2" hole to route your wiring through, this is easier said than done but it has to be done to protect the wires from rubbing on sharp metal and shorting out. A VW fuel line grommet works well here.
6. Mount the gauge panel using longer 4mm screws and drill the two extra mounting holes in the middle of flanged areas towards the windshield. To use a 4mm machine screw use a #29 drill bit, for a #10x1/2" sheet metal screw use a 1/8" drill bit. *See fig. 5.*
7. Remove the gauge panel and drill these new mounting holes with a 5mm or 3/16" drill bit so that screws fit through the holes in the panel. If you are going to use machine screws, the tap size is 4mmx.70. With this size you can use your original air box screws to mount the front flange holes.
8. You are now ready to prep and paint the gauge panel to your liking. When ready install your gauges and route and connect the wiring per your gauges manufacturer's instructions. *See fig. 6.*

Total Recall Three-Gauge Panel

This overhead fiberglass gauge housing is designed to fit all busses 1955-1967. It mounts to the underside of your fresh air box, and offers a view of your three most important gauges, rear view mirror and the road in front of you - all at the same time. The wiring is hidden by routing it through the windshield center post. Your 2-1/16 inch gauges mounted in this panel are protected from outside elements that can damage electronics. Your sun visors will need to be shortened. Some assembly and labor are required. Gauges are sold separately. For more information, please contact:

Wolfgang International
1117 Parkview Avenue
Redding, CA 96001
Phone (530) 246-4264 or Fax (530) 244-7261
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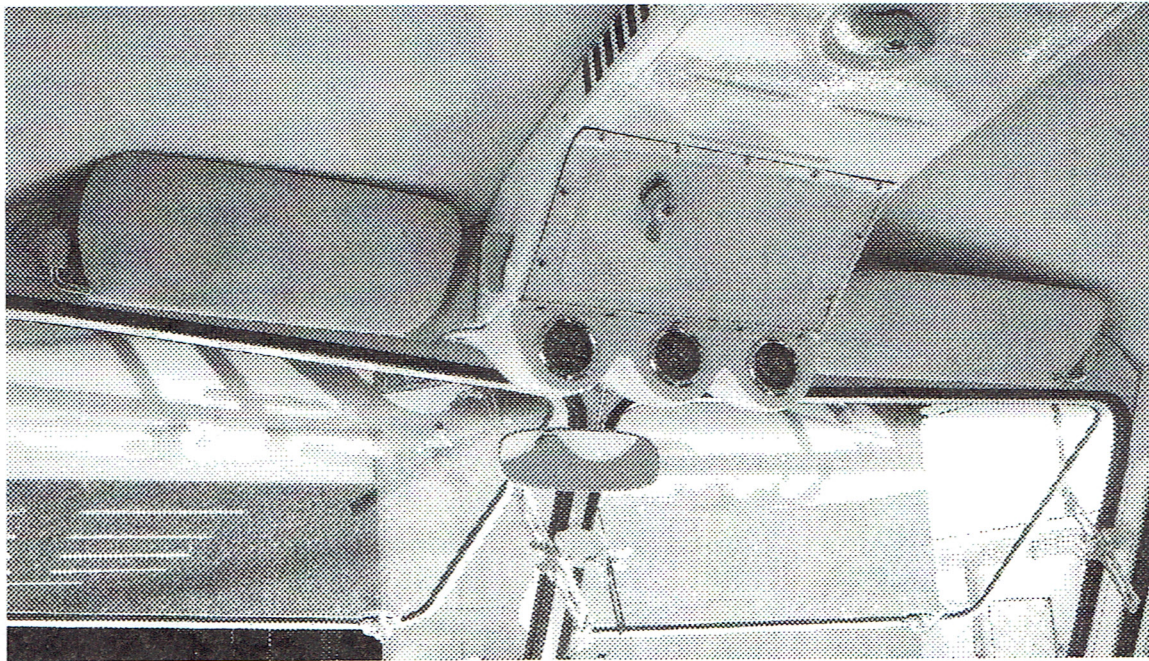
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