



Installation Instructions

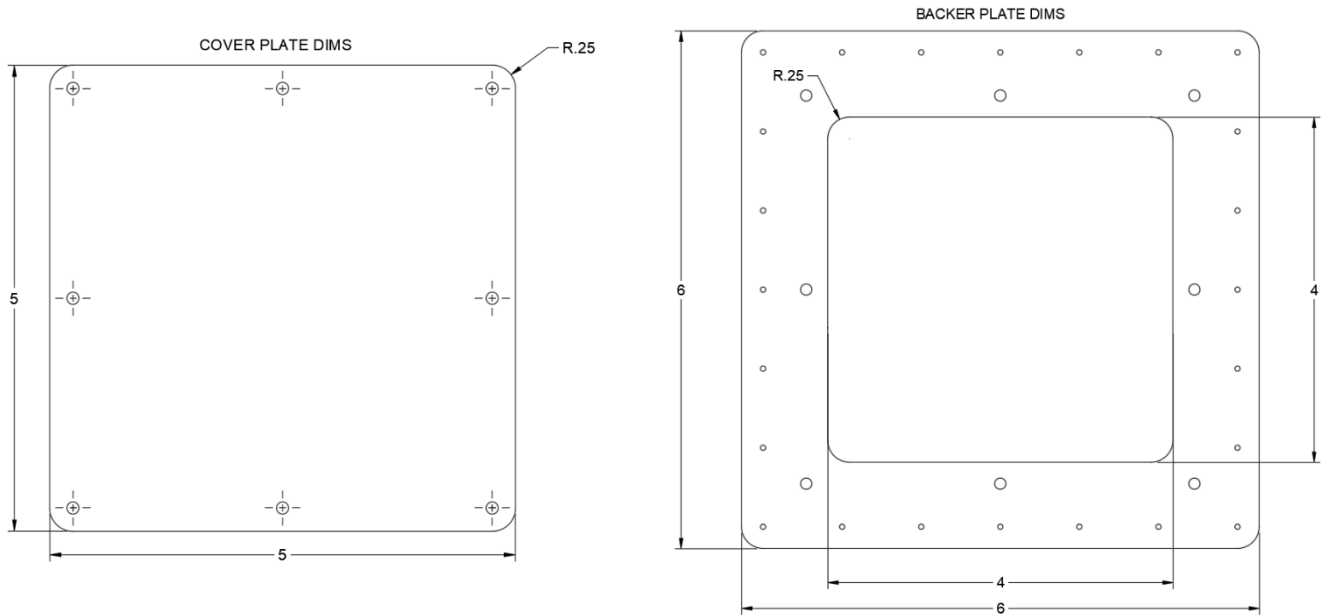
Parts Provided in EZ Inspection Panel Kit:

- Inspection Panel – Cover Plate
- Inspection Panel – Backer Plate
- Cover Plate Fasteners

Materials & Tools Needed:

- Clecos or temporary fasteners, Rivets (and rivet gun/puller):
- Drill (cordless or pneumatic) with appropriate bits
- Hole saw or step drill (for larger cutout)
- Marking tools (Sharpie, scribe)
- Aviation snips or nibbler
- Deburring tool
- Pry bar or panel removal tools if needed
- Dimple tool

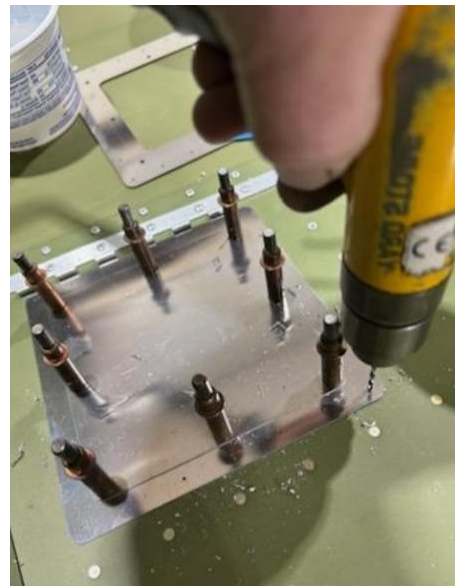
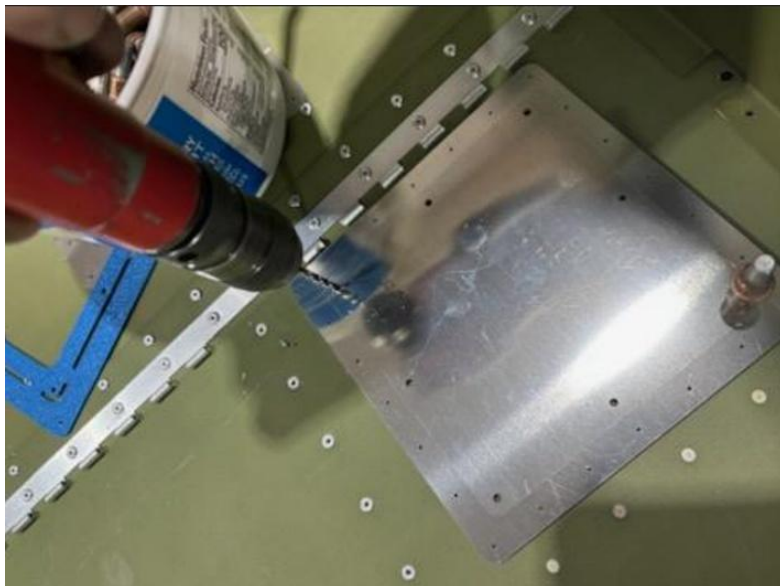
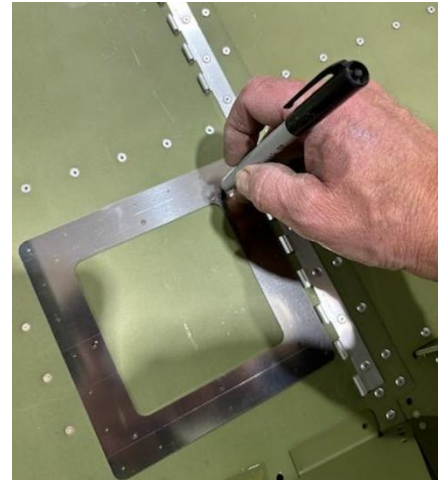
Installation Instructions



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Step 1: Layout and Marking the Cutout

- Position the inspection panel backer plate exactly where it will be installed.
- Use a straight edge and square to align it properly with existing structure or rivet lines.
- Use a Sharpie to mark the 4 corners of the cover plate clearance hole locations through the backer plate pre-drilled holes onto the skin (inner pre-drilled holes – see picture to the right).
- Align the cover plate over the backer plate and drill 4 holes (using the marked locations), Cleco the plate in place as the holes are drilled for the cover plate (see picture below).
- With cover plate Cleco'd in place, drill the holes for backing plate rivets (outer pre-drilled holes – see bottom right picture).



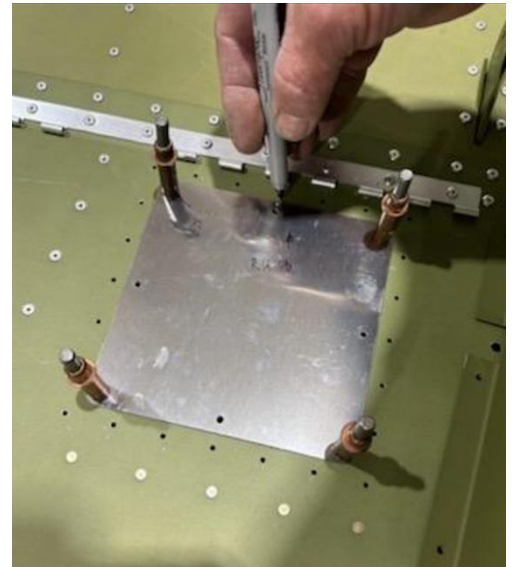
Installation Instructions

Step 2: Hole Cut Out Prep

- Remove any interior panels, insulation, or obstructions behind the cutout area.
- Protect surrounding areas with tape or drop cloths to catch metal shavings.
- Verify there are no wires, control cables, fuel lines, etc., behind the cut location.

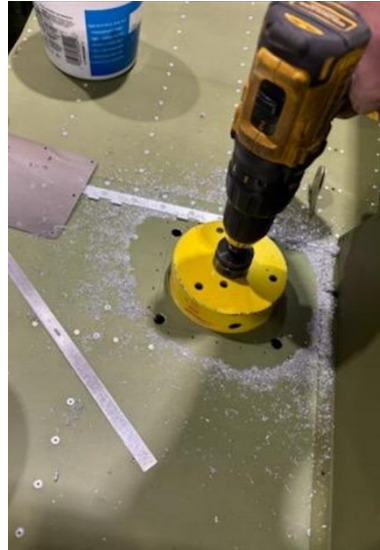
Step 3: Drill Pilot Holes and Cut the Opening

- Remove the backer plate.
- Place the cover plate over the 4 holes drilled in Step 1, Cleco in place (see picture).
- Using a Sharpie, scribe a line on the outside edge of the cover plate to mark the cut out for the cover plate.
- Drill small pilot holes at the corners of the marked rectangle (inside the line – see picture below).
- Use a hole saw, step drill, or fly cutter to cut the main opening, staying inside your marked line.
- Alternatively, drill a series of holes along the lines and use snips/nibbler to cut between them.
- Cut carefully, you can always enlarge the hole, but you cannot make it smaller.



Installation Instructions

- Remove the cut-out piece of skin.



Step 4: Deburr and Clean

- Deburr all edges of the new cutout and all drilled holes on both sides of the skin.
- Vacuum out all metal shavings.
- Clean the area thoroughly.

Step 5: Test-Fit the Backer Plate & Cover Plate

- Place the backer plate in the cut out, Cleco in plate.
- Place the inspection panel cover into the cutout check for proper fit and adjust the cutout if necessary.

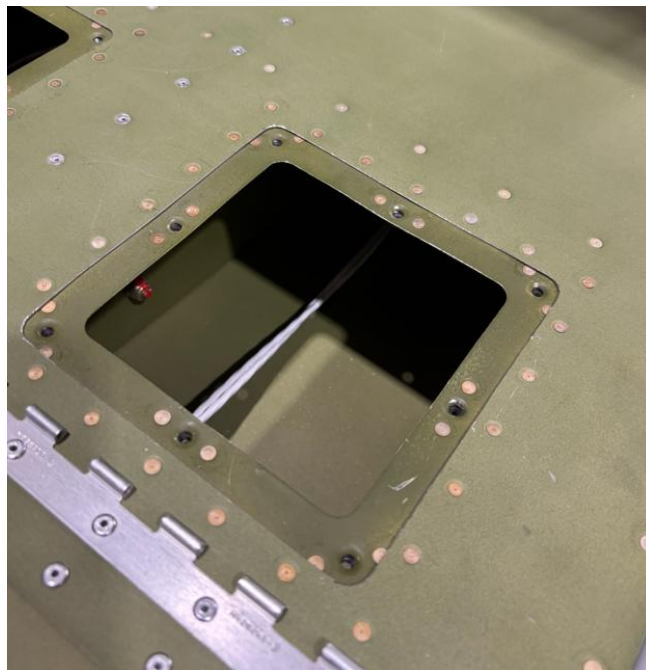
Installation Instructions

Step 6: Drill Rivet Holes in the Skin

- Remove cover plate.
- Drill through the skin for the pre-drilled holes for the backer plate using the correct size bit (usually #30 or #40 depending on rivet size).
- Insert Clecos as you drill to maintain alignment.

Step 7: Rivet the Backing Plate in Place

- Remove the backing plate and deburr all new holes.
- Drill and install nut plates into the backer plate.
- Reinstall the backing plate with Clecos.
- Rivet (if need dimple first) the backer plate to the skin, working from the center outward or in a crisscross pattern to avoid distortion.



Step 8: Install the Removable Cover

- Attach the inspection panel cover to the installed backer plate using the provided fasteners.

Step 9: Final Cleanup and Inspection

- Clean the entire area.
- Inspect all rivets for proper set.
- Check for any distortion or cracks.
- Log the work in the aircraft maintenance records with date, description, and your signature/certificate number.