

SERVICE BULLETIN 23

SUBJECT: GAP BETWEEN NOSE WHEELWELL BOX AND FIREWALL

APPLICATION: GLASAIR III KITS 3002 TO 3029 (with old style nosewheel box)

MANUAL REFERENCE: pages D-47 thru D-65

Description: When the nose wheelwell box is located on the forward fuselage belly panel, the angle of the forward face of the nose wheelwell box does not match the firewall such that a gap of approximately 1/2" exists between the firewall and the top of the wheelwell box. A similiar condition exists with the fit of the exhaust tunnels to the firewall.

SOLUTION: TO FILL THE GAP BETWEEN THE WHEELWELL AND FIREWALL

Position the nose wheelwell box lower forward edge so that it fits against the firewall as shown in FIGURE (D-29) Section A-A. Note the gap between the nose wheelwell box and the firewall forward laminates.

Cut sections of 1/2" Rohacell foam (from the scrap left over after trimming the firewall) approximately 1" wide and use a Q-cell mixture to bond these sections to foward areas of the nose wheelwell box, as shown by Flagnote 1 (FIGURE 1) of this Service Bulletin. Follow a similiar procedure to extend the forward flanges for the belly panel exhaust tunnels. Let the Q-cell cure.

Grind the newly installed foam pieces on the nose wheelwell box and exhaust tunnels until these fuselage parts fit flush against the firewall and the belly panel.

Follow the procedures specified in Steps F-8 and F-9 (page D-50 of the Instruction Manual) to install the firewall to the fuselage. Prior to installing the Q-cell radius between the firewall and the nose wheelwell box, temporarily bridge the open gap areas (shown by Flagnote 2 [FIGURE 1]) with a waxed aluminum plate held to the inside of the nose wheelwell with hot glue.

With the waxed aluminum plates covering the open gap areas, form the Q-cell radius around the nose wheelwell box called for in Step F-9.

Proceed on to Step F-10. When this step is completed, remove the waxed aluminum plates and continue with the installation as written in the Instruction Manual.

Another area must be changed slightly to avoid interference with the engine mount center support gussets. Cut and bevel the inside of the firewall as shown in FIGURE (D-25) (page D-47 of the Glasair III instruction manual) with one exception; at the center engine mount attach points, where Detail A (FIGURE [D-25]) shows a 1/2" bevel changing (3" from the lower edge) to a 1-1/2" bevel. Make the 1/2" bevel continue to the top of the beveled area as shown in FIGURE (1) of this Service Bulletin.

  
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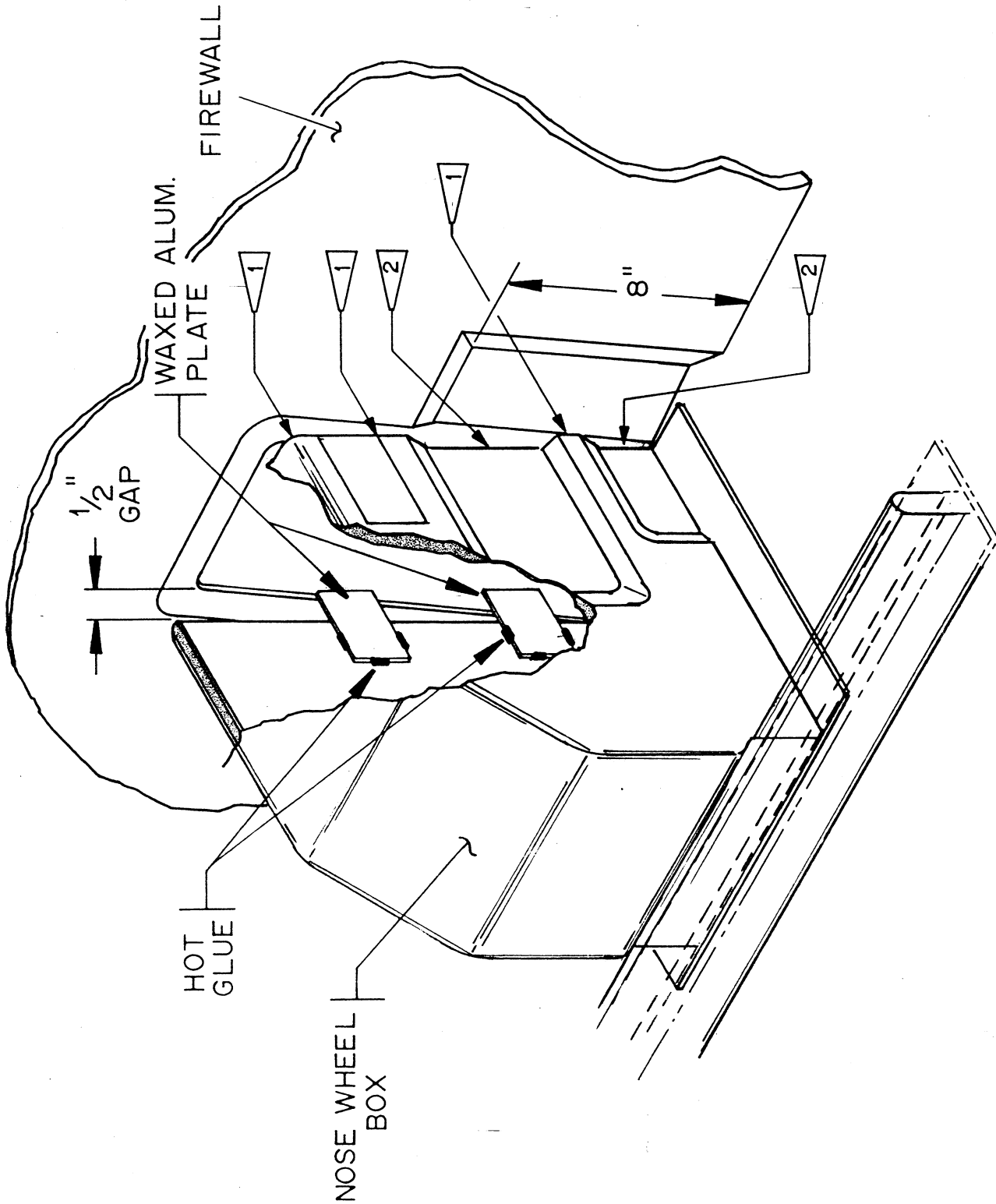


FIGURE 1

  
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