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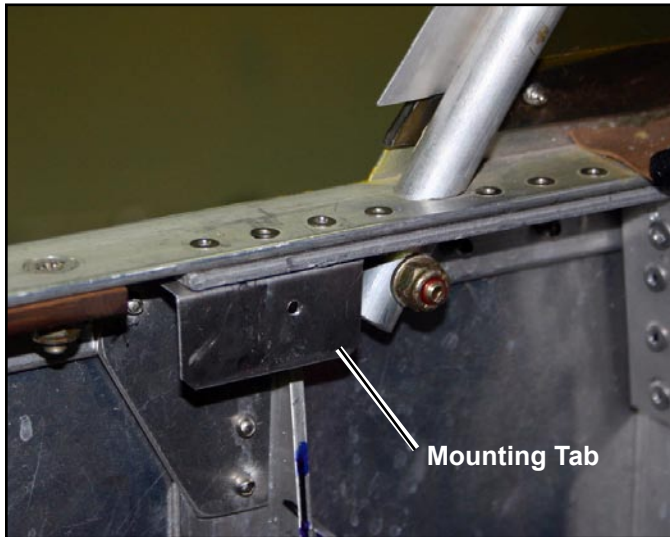
Upholstery Installation (0600910)

The optional Sonex upholstery can be attached in any number of ways as long as it is secured to prevent fouling of the controls. The following tips and photographs are the methods used by Sonex Aircraft LLC to secure the upholstery in the Sonex Aircraft factory aircraft. Other methods may be used as desired.

Side Panels

As the cockpits of individual aircraft vary from one to the other, the side panels may require modification for your particular aircraft.

The perimeter of the side panels can be secured with #8 or #10 self-tapping flat head screws and finishing washers. To accommodate these screws we make tabs from .025" 6061-T6 and rivet them under the upper longeron and elsewhere as needed.

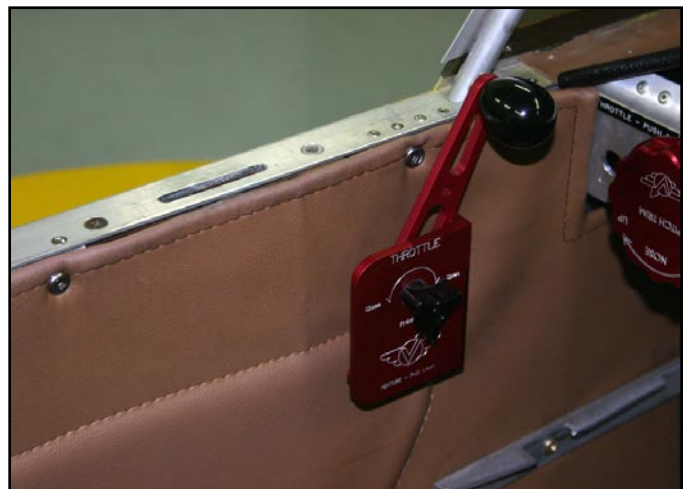


Tabs, such as the one shown here, riveted to the fuselage side structure provide simple mounting locations for interior side panels.

If a side mounted throttle quadrant and/or standard flap detent bracket is installed, you will need to cut a slot and puncture holes in the side panels to accommodate these items. This is easily accomplished through careful measuring and the use of a utility knife.



This side panel has been slotted for the throttle quadrant mounting bracket and holes have been punctured for the screws which secure the flap detent bracket.

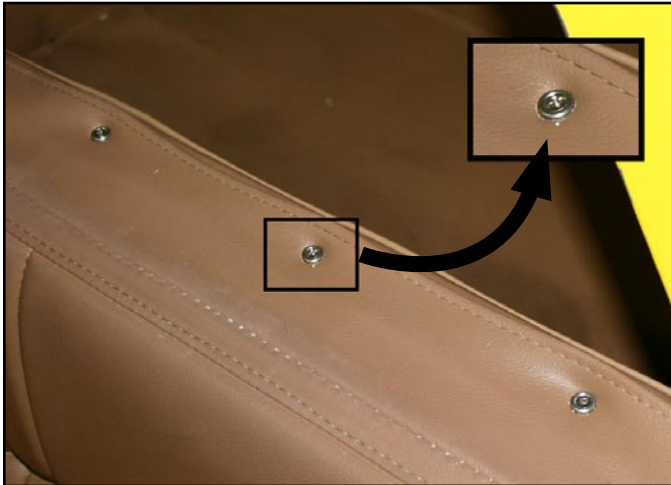


This photo shows the throttle quadrant and flap detent bracket re-installed. MS21059 floating anchor nuts replace standard nuts where possible to ease installation and removal of these items. The side panel has been secured to the tabs with #8 or #10 self-tapping screws and finishing washers.

Seat Cushions and Control Stick Boots

The seat cushions and control stick boots are supplied with velcro to hold them in place, yet permit easy removal without the need for tools.

The top flap of the seat back cushion lays over the fuselage cross tie and can be secured to the cross tie with #8 or #10 self tapping flat head screws and finishing washers.



The flap on the top of the seat back can be secured to the fuselage cross tie box with self-tapping screws and finishing washers.



The stick boot is velcroed in place around the seat cut-out.

Glare Shield

The glare shield can be trimmed as needed and secured with contact spray adhesive such as 3M brand Super 77.

On the Sonex factory aircraft we have added a small, aluminum extension lip at the top of the instrument panel, wrapped the glare shield material over this lip, and finished the edge with a generic edge protector.



Adding a small aluminum extension to the glareshield allows the glareshield material to be wrapped around the extension and finished with an edge protector.

Baggage Sling (Optional)

The optional baggage sling (standard with the leather interior) is attached to the fuselage cross tie box, upper longerons, and fuselage cross tie number 2 in the same manner as the seat back flap: self tapping screws and finishing washers.

Alternatively, you can use large-head aluminum rivets.

As the baggage compartment may hold up to 40 pounds of luggage you will want to use enough screws/rivets to support that load, plus an additional factor for g-loads.

Fuselage Close-out / Bulkhead (Optional)

The optional fuselage close-out/bulkhead (standard with the leather interior) will often hold its position through friction alone - no fasteners needed. However, the bulkhead can be secured in the same manner as the fuselage side panels - 2 or 3 small aluminum tabs riveted to the fuselage cross tie and upper turtledeck channel will provide mounting points for self-tapping screws and finishing washers.