

The Seat Belt

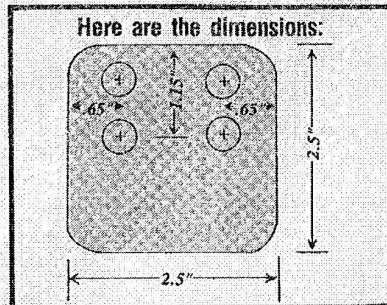
Connection



Your bird's seat belts keep you in your seat in the event of a crash. But if they're not installed right, they may not do the job.

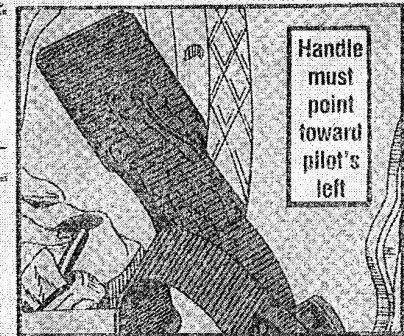
Here's how you can make sure the seat belts hold fast in an emergency:

Install doublers on the seat panel. This protects the panel against punctures and scratches by seat belt hardware. Make the doublers from 0.040-in aluminum alloy or 0.032-in stainless steel sheet. Cut a 2 to 2½-in square of whichever material you choose.

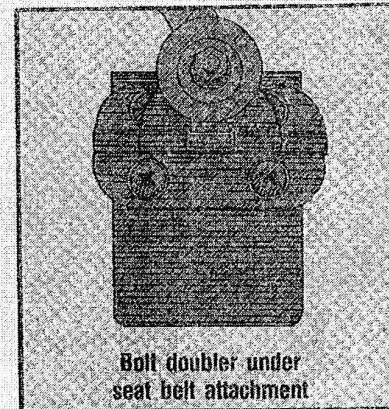


OMIGOSH!
MY SEAT BELT
JUST PULLED
LOOSE!

Next, put the seat belts on so that the release handle points to the pilot's left when he's seated.



Either bond the doublers in place using adhesive, NSN 8040-00-016-8662, or attach them to the seat panel under the seat belt hinges using the hinge bolts. If you bolt them on, mark and drill four



holes in each doubler to match the seat belt mounting holes.

Attach one belt fitting to each seat panel hinge support. Be sure to install the hardware like it shows in Fig 2-7a of TM 55-1520-228-23-1. The nut should be closest to the doubler to give the belt the strength it needs to hold under stress.

The other belt fittings attach to the bulkhead support. But the hardware installation is a little different from the seat panel hardware, so pay close attention to the stackup in Fig 2-7a.

If you put the bolts in the wrong way, the armor panel will bind on the nut and cause the panel hinge to loosen. Proper installation will keep the hinge—and the aviator—in one piece during hard landings.