

TL-ULTRALIGHT STINGSPORT

How To Install A Lap Belt Retainer

This is the procedure to install an elastic retainer strap that will keep the lap belt from riding up during flight. Materials required (for each seat) include a 27" elastic strap with velcro tab and buckle similar to the ones in the package below, an AB6-8A aluminum blind rivet and two 3/16" fender washers.



Begin by removing the seat bottom. Five screws attach the seat bottom to the airframe, one at each corner and one in the middle of the back (shown in photo, above right). Pull the upholstery aside to reveal and remove the screws.

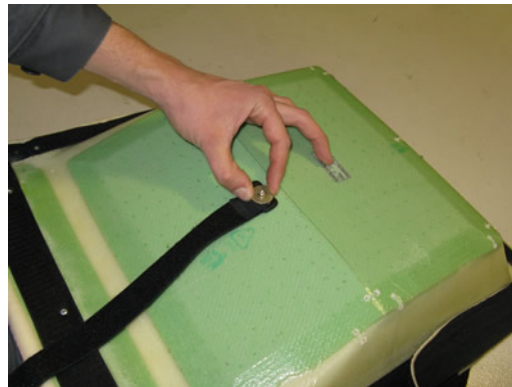
The upholstery is fixed to the composite seat bottom with velcro and zip ties. Unfasten the velcro along the front of the seat and along the sides about halfway back, as shown in the photos below. Do not remove the zip ties. Then fold the upholstery back and out of the way. This will provide access to drill one hole in the composite material and to rivet one end of the elastic strap to the seat bottom without damaging the upholstery.



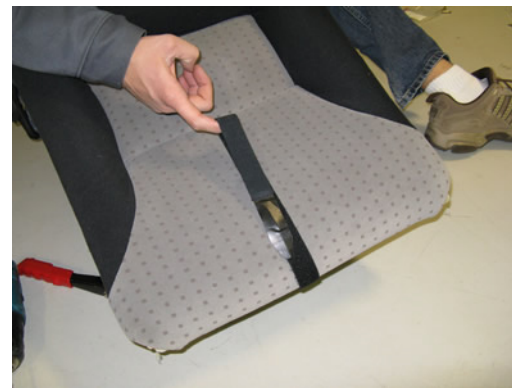
Drill a laterally-centered 3/16" hole approximately 3/4" forward of the lowest portion of the seat, as shown in the inside and outside views, below.



Thread one of the fender washers over the blind rivet and insert the rivet from the inside of the seat, as shown below left. Turn the seat over and thread the strap buckle over the rivet, followed by the second fender washer, as shown below right.



Set the rivet from the inside (top) of the seat, as shown below left. Replace the upholstery using the original velcro. The finished installation is shown below right.



Reinstall the seat bottom using the original screws, taking care not to trap the lap belt retainer beneath the seat. To use the retainer, simply thread it behind the lap belt, cinch down and attach it to itself with the velcro tab. The photos below show the lap belt with and without the retainer in use.



End of "How To Install A Lap Belt Retainer."