

Piper Door Hinge Eyebolt Installation Instructions

1. Remove the entry door front or rear as follows:
2. Remove the two cotter pins from the clevis pins.
3. Remove the screw from the doorstep that is screwed into the doorframe threshold.
4. Remove the clevis pins from the door hinges and set door aside for re-installation.
5. On the front door or the aft door, remove the trim screws holding the interior trim panel next to the door opening and carefully pull the panel away from the side exposing the two nuts retaining the eyebolts.
6. Using a ½ inch box wrench, hold the nut while you unscrew CCW the eyebolt from the side of the side of the fuselage (use an adjustable wrench e.g., Crescent wrench) on the flat of the eyebolt. Extract the eyebolt from the fuselage and insert the new eyebolt. Tighten to where it is just tight enough to not turn by hand.
7. Repeat step 6 for the lower eyebolt.
8. Place the side-trim piece back in place and reinstall the trim screws.
9. Set the door back in place on the eyebolts.
10. Place a film of grease on the clevis pins and insert the clevis pins into the door hinge forks and eyebolts.
11. Carefully lift up on the door and slide the upper clevis pin up until it just clears the eyebolt. Slide an AN960-416 washer (thick) under the top tab of the door hinge fork and eyebolt and press the clevis pin back in place.
12. Repeat step 11 for the lower hinge.
13. With the door in place, observe to see if there is a small gap between the fork on the door and underside of each eyebolt. If desired, place an AN960-416L (thin) washer on the eyebolt the same as in step 11.
14. Install an AN960-416 washer on the clevis pin on the underside of each eyebolt and install the two MS24655-134 cotter pins. Bend cotter tabs back around clevis pins and cut off excessive length.
15. Re-install and tighten the door holder screw.
16. Make a log entry that the door (s) eyebolts have been replaced in accordance with FAR 43.