

ExperimentalAero

(FWPK-1) One-Hole™ Firewall Penetration Installation Instructions

1. Create a 1" diameter hole in the Firewall. You may need to enlarge the hole slightly to insure the Grommet sits flush to the Firewall.
2. Deburr the edges of the hole.
3. Drill a 1/4" hole in both the PVC Cap and PVC Plug provided.
4. Apply a bead of high temperature RTV under the Grommet flange to seal the Grommet to the Firewall.
5. Insert the Grommet from the aft side of the Firewall.
6. Pay careful attention to the direction of the Locking Ring during installation (Figure 1)
7. Install the Grommet into the Firewall using the PVC Cap, PVC plug, 1/4-20 4" Bolt Washer and nut provided (Figure 2).
8. Tighten the Bolt and Nut to compress the Locking Ring so that the Grommet is secured to the Firewall. Make sure the Locking Ring is not cocked while installing. You do not need to compress the Locking Ring completely.
9. Install the Fire Sleeve (3-5" length) over the end of the Firewall Penetration Grommet.
10. Secure Fire Sleeve with the Hose Clamp.
11. Insert a split Fire Sleeve inside the Fire Sleeve that is hose clamped to the Grommet.
12. Insert wires through split Fire Sleeve.
13. Secure the split Fire Sleeve and Wires with a Hose Clamp over the Fire Sleeve that is hose clamped to the Grommet (Figure 1)
14. Optional: Fill any gaps with high temperature RTV to help prevent any air leakage between the Wires and Fire Sleeve.

