

# ExperimentalAero

## (WPGK-1) One-Hole™ Wheel Pant Grommet Installation Instructions

*Note: If you are planning on painting your plane you can prepare the hole in your Wheel Pant for the Grommet and wait until after your paint job is completed. Once the Wheel Pant is installed you will not be able to remove it without destroying the locking ring.*

1. Create a 1" diameter hole in the wheel pant aligned with the tow bar attachment bolt. If there is an existing hole in the wheel pant enlarge it up to 1" diameter. If there is an existing hole and if there is a misalignment with the tow bar attachment bolt you might be able to shift the 1" diameter hole to correct this. Create the hole or enlarge it using a hole saw or with a Dremel Tool and files. A nice tight slip fit with the body of the Grommet is preferred.
2. Chamfer the outside edge of the hole to make sure the Grommet sits flush to the wheel pant. Only a slight chamfer maybe needed.
3. Deburr the inside edge of the hole.
4. Drill a 1/4" hole in both the PVC Cap and PVC Plug provided.
5. Pay careful attention to the direction of the Locking Ring during installation (Figure 1)
6. Install the Grommet into the Wheel Pant using the PVC Cap, PVC plug, 1/4-20 4" Bolt, Washer, and Nut provided (Figure 2).
7. Tighten the Bolt and Nut to compress the Locking Ring so that the Grommet is secured to the Wheel Pant. You do not need to compress the Locking Ring completely. Alternate method of installation using a C-Clamp instead of the Bolt, Nut and Washer.
8. Optional: After installation you can add some epoxy on the Locking Ring for additional protection against rotation of the Grommet.

