

# Tail Light Adapter Ring

by Effectus AeroProducts Inc.

Questions?  
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## Installation Instructions:

1. Place the adapter ring over the end of the lower rudder fairing. Make sure that the end dimension of the lower rudder fairing is not undersized compared to the adapter ring. The ring should be flush to 1/16" undersized.
2. Drill the 6 mounting holes to 1/8". These are the holes that are counter bored. NOT the threaded holes. Cleco the holes as you drill them.
3. Mark the inside of the large hole on the fiber glass. This will determine the area to be removed.
4. Use a file or a sanding block to remove the raised portion of the fiber glass joint. Ensure that the adapter ring sits flush with no gaps between it and the adapter ring.
5. Drill through the marked hole with a large diameter drill and then using a small drum sander expand the size of the hole until the marker is no longer showing.
6. This is a good time to test fit the Whelen tail light to make sure that it fits through the hole properly.
7. At this point you need to look at the type of rivet tool you have. As you can see here there are two types of tips depending on the manufacturer of the tool. The thinner tip shown will fit down into the counter bore of the rivet holes on the adapter ring. The fatter tip won't. If you have the fatter tip you will have to make a small spacer with a hole in it to fit down into the counter bore. Otherwise the rivets won't seat properly. We went with this counter bore so that you could use standard CS4-4 rivets to mount the ring.
8. At this time you should prime the adapter ring. Once primed the Tail Light Adapter Ring can be riveted to the lower rudder fairing using 6 CS4-4 rivets.
9. Once the Tail Light Adapter Ring is installed you can install the Whelen tail light/strobe using the supplied hardware. The installation of the Tail Light Adapter Ring relieves you of the difficulty in installing nuts in the very confined space of the aft portion of the lower rudder fairing. It provides for a robust mounting surface that will make maintenance easier for the life of the aircraft.



Thank You for Purchasing an Item Produced by Effectus AeroProducts