

**PLEASE READ ALL INSTRUCTIONS COMPLETELY BEFORE STARTING
INSTALLATION!**

**NOTE: INSTALL WING TIPS IN ACCORDANCE WITH THE ACCEPTED METHODS
AND PROCEDURES AS OUTLINED IN FAA REGULATIONS.**

- 1) Remove existing wing tip and metal edge strips. (Do not allow wing tip to hang by light wires.)
- 2) Disconnect ground wire from closing rib.
- 3) Disconnect navigation light (and strobe if so equipped) insulated wires at their connectors. Remove wing tip from wing.
- 4) Remove navigation light/strobe assembly from original wing tip.
- 5) Remove existing wing tip mounting nut clips from wing and replace if necessary.
- 6) Attach new tip to wing as per Piper original installation. Install tip and align to correct position. Tip must be tight against leading edge and level with wing. (Upper surface of tip to be parallel with upper surface of wing.)

Important:

a) Ascertain that wing tip does not interfere with action of aileron through its full range of movement.

b) On PA-28R-201 & 201T, PA-28-201T & 236, which utilize the counterweight cutout, make sure that the tip does not interfere with the movement of the counterweight. Check through its entire range of movement.

7) Locate and drill mounting screw holes. Minimum edge distance is 5/16" to centerline of hole. (Do not mount tips too deep.)

a) With tip held firmly against leading edge, drill first leading edge top and bottom position holes using a 3/32" drill.

b) Remove tip and enlarge holes to their finished size with a 5/32" drill.

c) Re-install tip and secure the two leading edge screws. Drill the remaining position holes using the 3/32" drill; maintain tight fit by pulling rearward on the tip to eliminate any possible waviness between the screw holes.

d) Remove tip and re-drill holes to their finished size using the 5/32" drill.

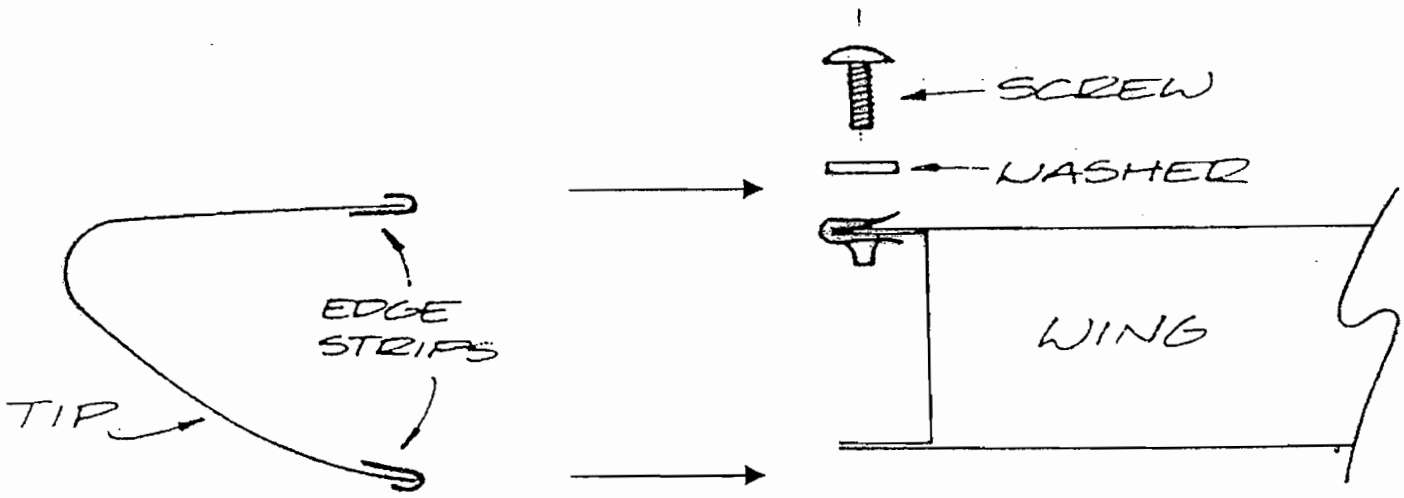
8) Using the teardrop shaped light bracket base as a template, drill three 3/16" holes in the new tip and mount the navigation light assembly as per original installation.


9) Reconnect nav./strobe connections. Make sure connections are properly covered. (Insulated). Reconnect ground wire to closing rib. Before attaching wing tip, check operation of nav./strobe lights.

10) Place existing metal edge strips onto wing tip. Securely attach wing tip and edge strips using the 8/32 x 1/2" truss head screws and washers provided (p/n 28-TH832-8 & 28-FW8) respectively. Install screws from leading edge to trailing edge. Lubricating screws with an adequate corrosion inhibitor is recommended.

11) If desired, lay a thin bead of white silicone sealer along seam between wing and tip to complete the installation. Remove any excess sealer.

12) Note: No weight change. Wing tips are approved per engineering approval letter dated May 14, 1986 and also have a Parts Manufacturing Approval. (PMA)



PARTS LIST			Installation of Fiberglass Wing Tips on Piper models PA-28, 151, 161, 181, 201T & 236.PA-28RT-201T.PA-28R, 201,201T.		
Qty.	Part No.	Description	Scale: None	Approved by:	Drawn by: MJV
1	1814R	Wing Tip, Right	Date: 5/29/86	<i>R.V. Veltuth</i>	Revised:
1	1814L	Wing Tip, Left			
	or		 14656 1/2 Firestone Blvd., La Mirada, CA 90638		
1	1814R-C	Wing Tip, Right			
1	1814L-C	Wing Tip, Left			
32	28-TH832-8	Truss Head Screw 8-32x 1/2	FAA and PMA Approved		
32	28-FW8	#8 Flat Washer			