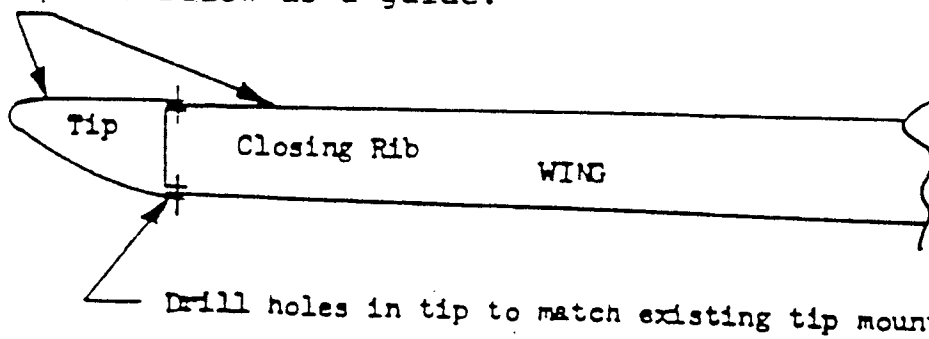


PLEASE READ ALL INSTRUCTIONS COMPLETELY BEFORE STARTING INSTALLATION!

1. Install existing lights on tips using original hardware and Tinnerman speed nuts. Use light bracket as template to drill three mounting holes. Secure a ground wire to wing tip light bracket.
2. Hook up light and secure ground wire to closing rib with a P.K. screw.
3. Attach tip to wing as per Piper original installation.
  - a. Align bottom edge of new tip to correct position.
  - b. Before drilling holes, be sure tip is fitted tight against wing leading edge.
  - c. Set bottom screws first.
  - d. Minimum edge distance 5/16" to centerline of hole. Do not mount tips too deep.
  - e. Trim approximately 3/4" off end of Piper tip rib to accommodate tip. Upper surface of wing tip to be parallel to upper surface of wing.
  - f. On PA-28 Cherokees (Serial Numbers 28-1761 and later) using the triangular counterweights check to determine if the counterweights interfere with the tip at extreme aileron up travel. If interference is found, cut an opening in the tip using the template below as a guide.



- i. Complete FAA Form 337. No weight change:  
 "Installed Met-Co-Aire Tips per SD1023, FAA Approval STC SA880WE."

Installation of Fiberglass Reinforced Plastic Wing Tips for Piper Models PA-28, 140, 150, 160 & 180 PA-28R 180 & 200		
Scale: None	Approved by: <i>[Signature]</i>	Drawn by: LRW
Date: 12-31-64		Revised 10-25-82
MET-CO-AIRE		
P.O. Box 2216		Fullerton, California
FAA Approval: STC SA880WE		SD 1023

