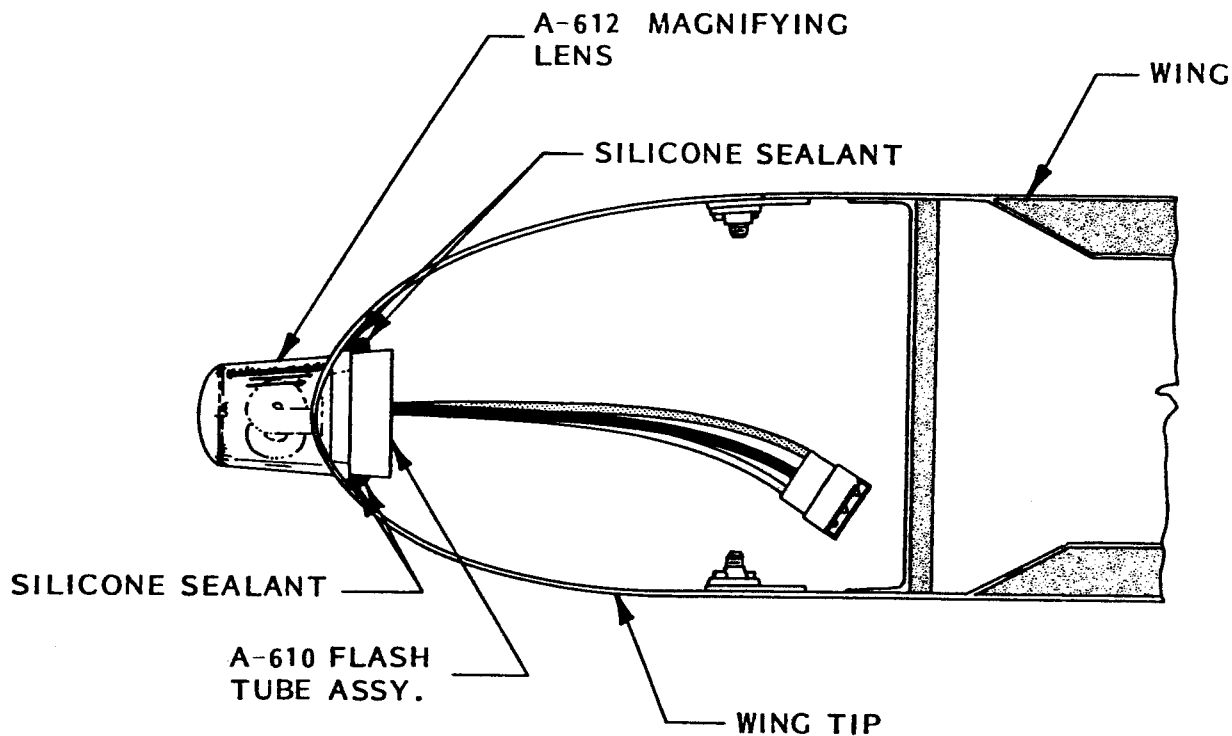


NOTE: The anti-collision strobe light system consists of a Whelen A413-A power supply, Whelen A-610 flash tube assemblies, and A-612 lenses.



VIEW THRU WING TIP
(LOOKING FWD.)

FIGURE (1)

STEP 1

Select a position for the A-612 magnifying lens to protrude through the wingtip at the outermost point. (See the wingtip installation instructions in the Final Assembly section of the Instruction Manuals.) Start by drilling a small hole and gradually enlarging it using larger drills until a large round file or rotary file can be inserted. Carefully grind the hole larger while trial fitting the A-612 magnifying lens. Fit the lens from the inside until the flange bottoms out on the inside of the tip.



MODEL GLASAIR	ASSEMBLY NAME STROBE LIGHT INSTALLATION	REVISION	DATE	VOLUME	PAGE 1 of 3
------------------	--	----------	------	--------	----------------

STEP 2

Bond the A-612 magnifying lens into the wingtip, using a generous bead of RTV silicone sealant, then silicone the A-610 flash tube assembly into the magnifying lens. (The flash tube may be installed into the lens and then the lens into the wing tip, if desired.)

CAUTION: Be careful not to touch the flash tube assembly with your fingers. The natural oils from human skin (or other contaminants) will cause the flash tube assembly to burn out prematurely.

Using silicone sealant to install the strobe assemblies has proven adequate on Stoddard-Hamilton's prototype airplanes and eliminates the added complexity, weight, and cost of mounting brackets and hardware.

STEP 3

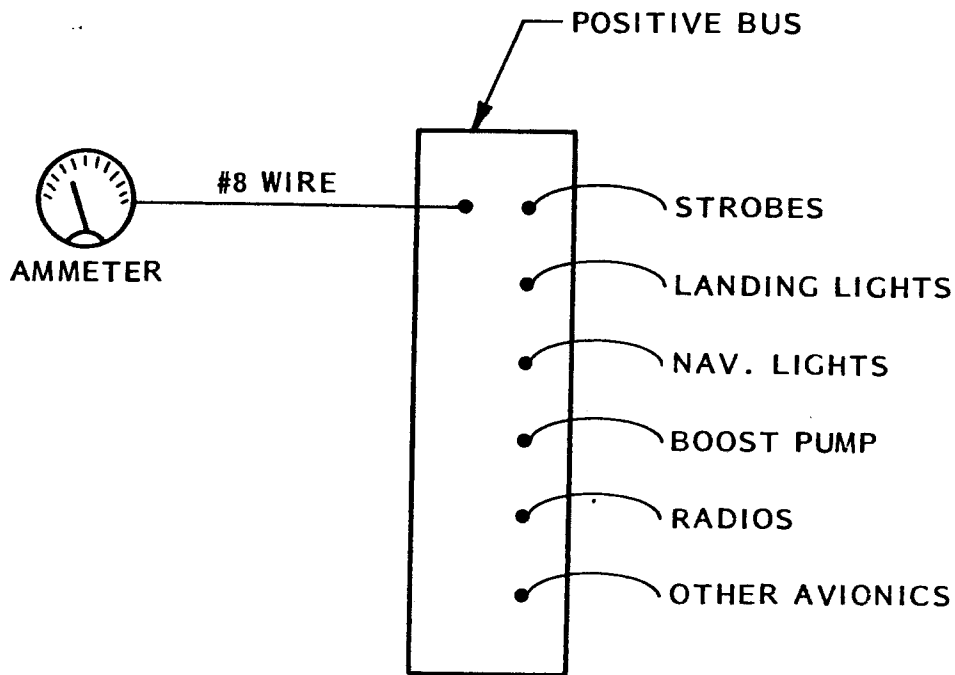
Mount the A413-A power supply unit to the aft side of the seat back or some other convenient, central location.

Follow the wiring instructions in the accompanying Whelen "Anti-Collision Strobe Light Systems Installation and Service Manual".

NOTE: For proper shielding of the high voltage leads from the power supply to the flash tube assembly, ground only the power supply end of the braided shield.


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MODEL GLASAIR	ASSEMBLY NAME STROBE LIGHT INSTALLATION	REVISION	DATE	VOLUME	PAGE 2 of 3
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**CORRECT METHOD OF
+ WIRE ATTACH TO
POSITIVE BUS**

FIGURE (2)

To help prevent radio noise, attach the lead from the strobe light circuit breaker to the same end of the positive bus as the battery lead, as shown in FIGURE (2). If radios are connected to the bus between the strobe lights and battery, any noise generated by the power supply will be transmitted through the radio input leads to the radios.

WARNING: Be sure that all wiring is properly secured, especially in the wing tips, to eliminate any chance of loose wiring jamming the aileron counterweight arm in flight, resulting in loss of control.

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MODEL GLASAIR	ASSEMBLY NAME STROBE LIGHT INSTALLATION	REVISION	DATE	VOLUME	PAGE 3 of 3
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