

**SECTION/OPERATION**

**22**

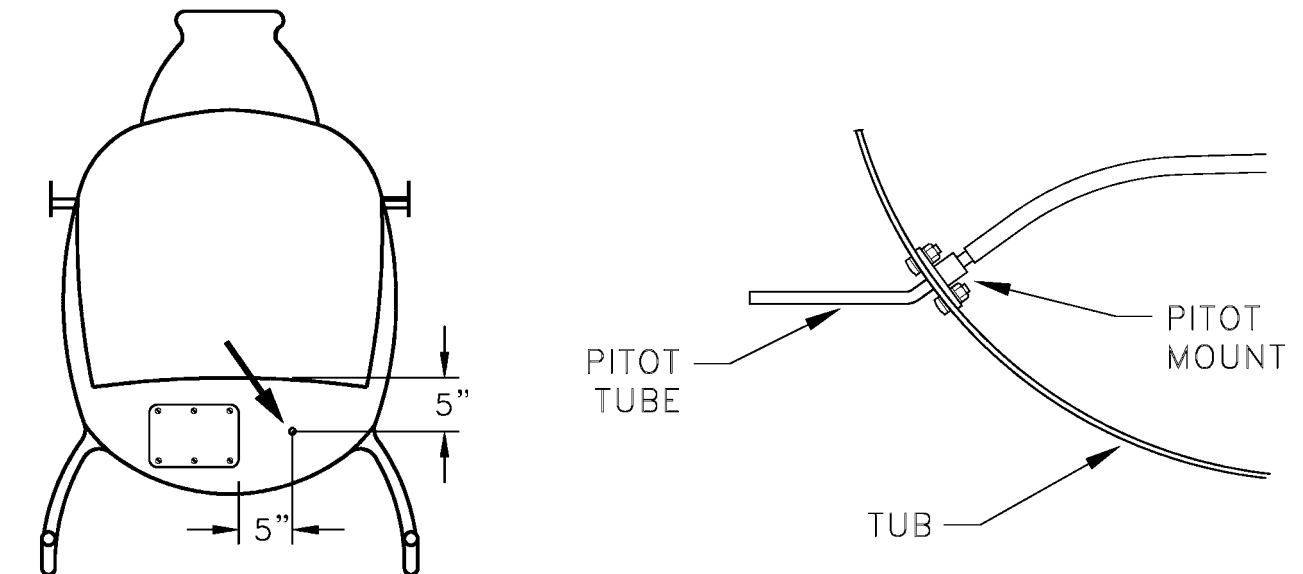
**FINAL INSTALL:**

TUB  
FRESH AIR COLLECTOR  
FLOOR PAN  
SEAT BACKS  
PITOT TUBE

**NOTES**

NUT PLATES AND  
DZUS BUTTONS: See General Construction Procedures (section 1) for details on nut plates and Dzus buttons.

PITOT TUBE: Drill a 1/4" hole in the tub at a point approximately 5" below the windscreen and 5" to the pilot's side of the front inspection panel (the exact location is not critical). Sand the pitot tube and the mount where they will be joined together, and clean both parts with acetone. Using blade glue, bond the tube in the mount. The tube should extend forward 6". After the glue is set, insert the pitot tube through the hole in the tub from the inside. Fasten the mount on the inside of the tub using three 6-32 screws, nuts and washers. Bend the tube so that it faces straight forward. Route the plastic tubing from the airspeed indicator to the pitot tube. (See Illustrations below.)



## ROTORWAY

### TOOLS REQUIRED FOR OPERATION 22:

Drill bit of the following size:	1/8"
Hand drill (air or electric)	
Metal cutting snips	
Pop rivet gun	
Ratchet with sockets of the following sizes:	5/16"
	3/8"
	7/16"
	1/2"
Screwdriver	
Wrenches of the following sizes:	5/16"
	3/8"
	7/16"
	1/2"



Photo #1

Fabricate the hose connector.  
Use a Hose clamp to hold the  
hose connector in a circle.



Photo #2

Drill two 1/8" holes in the  
connector and pop rivet it  
together.

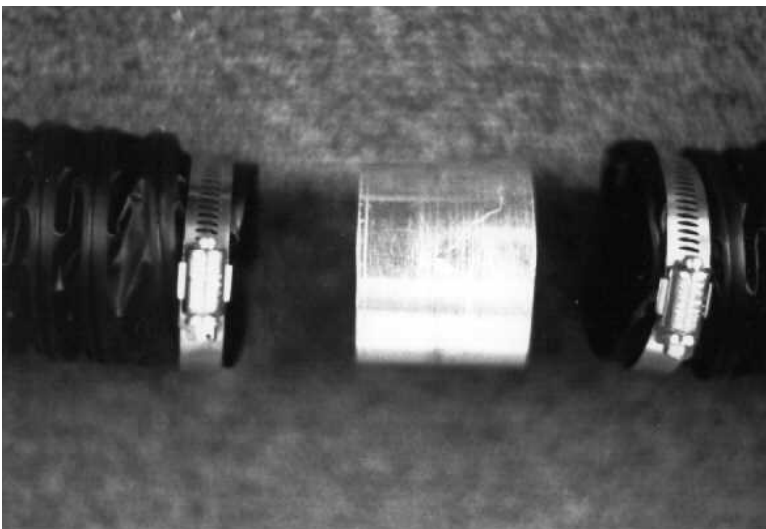


Photo #3

The hose connector is used to  
join the two hoses together so  
that they will reach between  
the radiator collector and the  
3-way fiberglass collector on  
the floor pan.



Photo #4

Install the heater hose and secure it as often as necessary to prevent chafing. The hose should run under the oil filter and just under the fuel pumps. It may be necessary to deform the hose slightly in some areas for clearance to make it fit.



Photo #5

A view showing the heater hose routing between the tub and the floor pan on the passenger side of the aircraft.



Photo #6

Another view of the heater hose routing. Care should be taken around the fuel pump area to prevent chafing.



Photo #7

View taken from the front  
inspection panel.