



- 1) Locate the Andair selector valve per the plans on the valve plate, F983A. The center of the valve post should be 2.125 from the nut plate holes in the F983A valve mounting plate. Locate the pump mount, F7115 and position it in the cabin, per OP-21 plans.
- 2) There are 2 U bent tubes with unequal length legs. There is 1 angled bent tube that connects the valve to the filter.
- 3) Connect the angled tube to the valve, with the 45\* bend facing the valve discharge part. That puts the 90\* facing forward towards the filter inlet.
- 4) Locate the AFP filter on the pump mounting plate, arrow is the direction of fuel flow, facing the firewall. Connect the valve tube, but leave snug for right now.
- 5) Position the pump assembly on the F7115 mounting plate, install the pump clamp, but leave it loose for the moment.
- 6) Locate the filter to pump U tube. Actually both U Tubes are the same. Connect the long leg of the tube to the filter outlet, the short leg to the pump inlet. Leave the nuts snug for the moment.
- 7) Connect the teflon flex hose to the AN 815-6D union, then connect the union to the long leg of the last U tube. TIGHTEN these now, and torque seal them.
- 8) Route the flex hose under the pump mounting plate, and connect it to the firewall bulkhead fitting. Secure the hose either with a foam block, or with an adel clamp.
- 9) Connect the short leg of the U Tube to the pump discharge port, slightly rotating the pump to the right to add any additional clearance necessary.
- 10) Once clearances are achieved, tighten the pump clamp, all fuel connections and torque seal the connections.
- 11) Install the F782C floor cover.
- 12) Make your necessary electrical connections.  
Once in position, the pump/filter assembly and plumbing fits under the stock Van's cover and side plates, F7115C, F7115B/L & R, and F983C.

RV7/RV9 Air Flow Performance/ Andair 7T  
Install Kit Rev 1 6-13-20

If you find some clearance issues, loosen the connections, and slightly rotate the pump. With the valve tube properly installed, it positively locates the filter, which in turn locates the pump fore and aft.

It can be rotated to allow some additional clearances at the wing tubes off the selector valve. This kit is designed to be used with the AS Flightlines Andair 7T valve and wing hose assemblies.

Any variation from this may compromise the necessary clearances for install, and the mounting of the pump upper cover—the doghouse. There is a lot of plumbing in the area, especially with the 7A/9A brake lines. But there is the necessary clearances for all of these items.