

The sequence for starting and stopping the preheater.

STARTING-

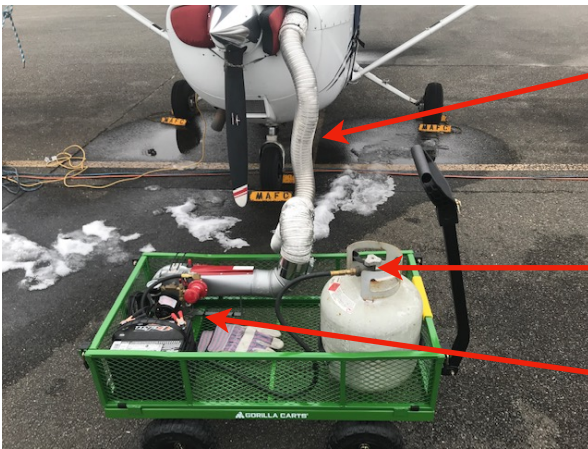
1. (A trickle-charger should be connected to the battery when not in use.) Unplug and disconnect the charger leads.
2. Position the pre-heater cart in front of the aircraft with the tow handle pointed to the pilot's side wing to avoid having the hot heater hose pass over the propane supply hose.
3. Connect the battery terminal clamps to the battery--WATCH THE POLARITY: RED is +, Black is -
4. **Turn on the fan!** The switch is located under the pressure gauge.
5. Slowly open the valve on the propane tank. The pressure regulator will limit the gas automatically.
6. Press and hold down the primer valve button and listen for a hissing sound which indicates that the propane is flowing. Continue to hold it in as you do step #7
7. Press the igniter button and then release, the flame should then be heard.
8. Hold the primer button in for about 10 seconds and then release. If the flame goes out, repeat step 3 and 4.

STOPPING-

1. Shut off the propane tank supply.
2. Leave the fan running for a few minutes after you close the propane tank valve.
3. Disconnect the battery terminal clamps.
4. Carefully remove the heater tube from the engine. CAUTION-IT WILL BE HOT! Move the unit away from the aircraft and secure.
5. Reconnect the battery to the charger.

Warning: When the preheated is on, the aluminum tube can get very hot so you should always wear gloves when handling it. Handle the aluminum tube at the two insulated locations on the tube. Also remember that this device has an open flame and you need to exercise caution around combustible materials.

SEE TIPS ON BACK OF THIS PAGE



Position the flexible tube as shown or so that it is blowing hot air up through cowl opening.

Propane tank valve

Battery connections

WATCH THIS VIDEO
www.youtube.com/watch?v=T3AtQuBo5zI



Igniter button

DO NOT TOUCH THIS KNOB
This is the pressure regulator and is preset!

Primer valve button

Fan Switch

TIPS FROM SOMEONE WHO IS FAMILIAR WITH THIS SYSTEM

- Never start the heater without first turning the fan on - Things will melt.
- Never shut off the fan before the heater, in fact run the fan a couple of minutes after the flame goes out - Things will melt
- On low wing aircraft, DO NOT drag the hose on top of the wings, better yet do not even lay the hose on the wings - Paint gets scratched and burned.
- Do not walk away when pre-heating, always be very aware of the surrounding of the heater and hot hose - Things and people get burned.
- Put your hand on top of the cowling and make sure it does not get super heated - Paint will crack.
- Engine heats faster if you leave one of the cowl plugs on

Alex Justo