

WINTER GROUND OPS

Patuxent River Navy Flying Club



Preparing the airplanes

Pre-heat

- Both airplanes have oil pan heaters installed,
- Both are in the oil cooler doors.



T-41

Arrow



Pre-heat continued

- Plug the extension cord into the box on the light pole, same area as the light switch and fuel pump power.
- Apply heat MINIMUM of 1 hour before flight. Leave the heat on NO MORE than 24 hours.
- In the black bag is a portable heater that can be used in an emergency. It's helpful the T-41 if you have issues getting the integral unit plugged in.



De-Ice

- On the desk by the door is a spray bottle of de-icing fluid. A little bit goes a long way.....
- Spray the tops of the wings, elevators, horizontal stabs, rudder and vertical stab. Again, a little bit goes a long way.
- If the spray bottle is empty, there is a 5 gallon container on the counter near the hangar door.
- Twist the handle to unlock, pump it 5-6 times for pressure, then squeeze the handle to spray.



Jump Start

- If the batteries die during start, you can wheel the jump cart, 2 batteries, out to the plane and jump. Doing it solo is NOT ADVISED!
- Each plane has a cord in the baggage area specific to it, they can't be switched.
- Put the cord in the socket, connect it to the batteries, and crank it over. Have the helper removed the cord.



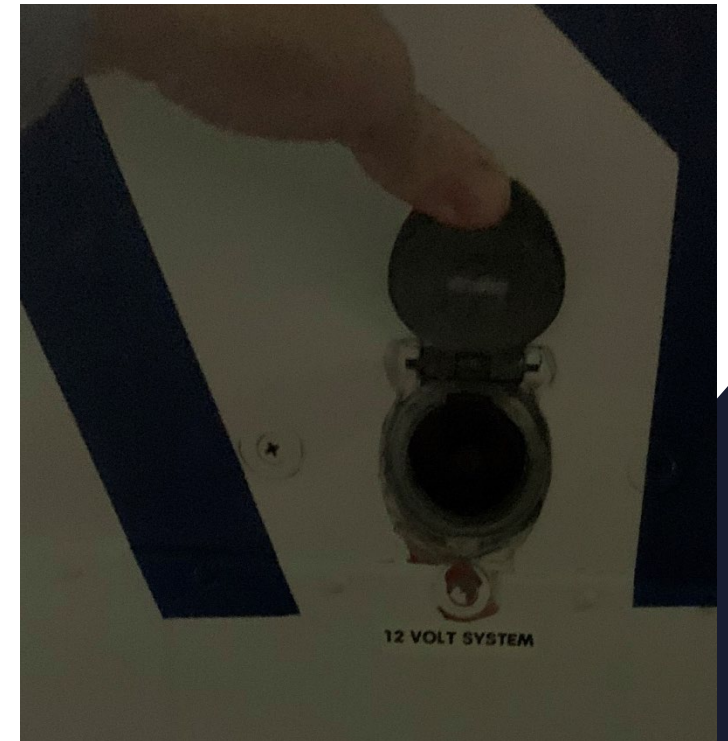
Jump Start, continued

- The T-41 cord will need to be attached through the terminals to the battery.
- Remove the cover with the same screwdriver used to check the oil
- The plug will only go into the plane 1 way, look before stabbing.....



Jump Start, continued

- The arrow cord has alligators, and connects to the battery like jumper cables.
- Flip the cover up, slide the plug in. It has an alignment tab, so only goes in one way.
- Connect it to the battery, start the plane, have your assistant remove the cord and cart.



Recharging

- We are in the process of installing a pig tail for a battery minder. Whenever the planes are in the hangar, particularly winter, they will be plugged in.
- Each plane will have it's own minder in the box in the baggage area. If on a cross country, and you have any concerns about the battery, plug it in. The minder charges to full, then “floats” to maintain the battery at optimal levels.

