

STATIC PORT ADAPTER (SPA)

Specifications

The "SPA" **STATIC PORT ADAPTER** was designed as a way to hold the static system suction hose firmly to the static port of an aircraft during static system ground tests. When you receive your new unit, it should be charged overnight to insure proper emergency DC operation. Your SPA system can be left plugged in indefinitely, but it is not necessary to do so. You can insure that A/C power is present by observing the amber light on the SPA control panel.

Your SPA kit is adaptable to most any aircraft static port. It's rugged and versatile construction allows it to be used even where there are obstacles and/or curvature to the aircraft skin. The spring loaded static port tube ensures constant pressure on the static port and the 3 moveable legs allow an infinite number of mounting configurations. Also, your kit is supplied with an assortment of interchangeable soft rubber vacuum cups for the static port tube which allows the user to adapt the unit to his specific size of static port. The rugged vacuum pump can run for hours under load and provides plenty of suction to keep the adapter firmly secured to the aircraft skin.

To acquaint yourself with the operation of your SPA, perform the following test when you receive it. Plug in the A/C cord and turn the pump on. Leave the pump on and pull the A/C cord from the outlet. The pump operation should not be interrupted, the "A/C FAIL" light should come on and a loud pulsating beep should be heard. The DC circuit will take over and the pump will keep the static port adapter plate secured to the side of the aircraft. Re-insert the plug into the A/C outlet. The beep will stop, the "A/C FAIL" light will go off and the amber "AC" light will once again be on.



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OPERATIONAL INSTRUCTIONS

!!! WARNING !!! THE VACUUM PUMP IN THE STATIC PORT ADAPTER KIT MUST REMAIN "ON" FOR THE ENTIRE DURATION OF STATIC SYSTEM TESTING. If at any time A/C power is lost during testing and with "PUMP ON", an audible loud beep can be heard and the "A/C FAIL" light will come on. The SPA will continue to operate for plenty of time to reconnect A/C power, approx. 45 - 60 minutes.

1. Plug A/C power into A/C outlet.
2. Insure A/C power is present by observing the amber light in SPA control panel.
3. Select and install proper static port suction cup.
4. Turn SPA power switch "ON". At that time, you should be able to hear the internal vacuum pump running, and the green "PUMP ON" light should be on.
5. Be sure that the area around that static port is clean so the 3 large suction cups on the SPA plate make a good seal.
6. Select the toggle valve to the "HOLD" position.
7. Double check the SPA plate by pulling on it slightly to insure that it is holding tightly to the side of the aircraft.
8. Make sure that all static ports are unplugged and free from obstruction before returning aircraft to service.

*Note: The Static Port Adapter is also available in "dual-port" configuration. Order DAI part number "SPA2" for complete kit.

!!! NOTICE !!!

DO NOT DEPEND ONLY ON INTERNAL BATTERY POWER TO RUN THE VACUUM PUMP. THE SPA IS DESIGNED FOR THE BATTERY POWER TO BE USED ONLY AS A BACK-UP FOR THE A/C POWER.

For service on this unit, call **DALLAS AVIONICS, INC.**