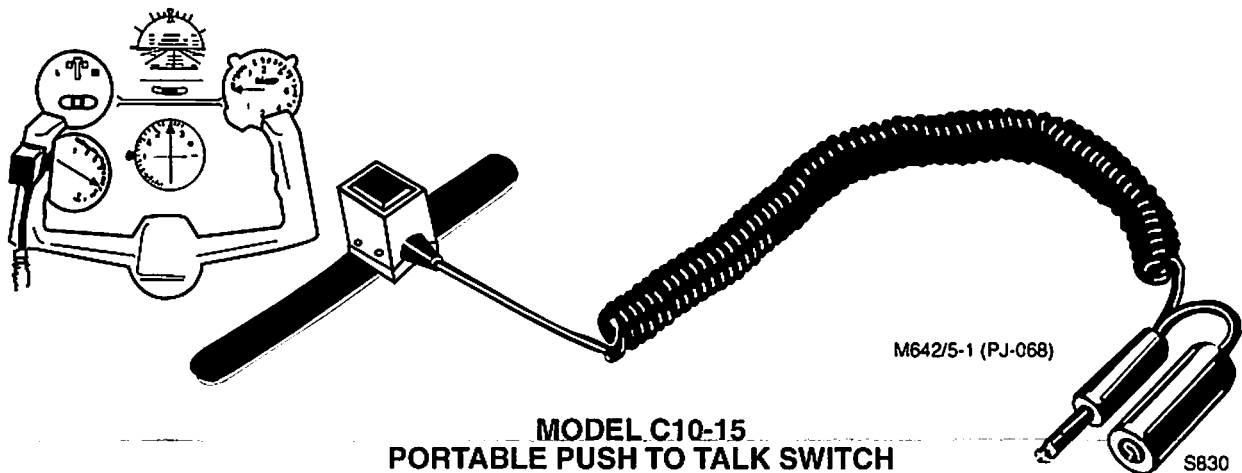


No soldering, wiring or tools required for installation. To securely fasten the switch assembly to the control yoke, the following steps should be taken:

1. Position the switch on the inner portion of the yoke or in the most convenient location.
2. Wrap the fabric (pile) side of the back strap around the yoke as tightly as possible.
3. Fold the hook side of the back strap over the pile. For yokes having a very thin cross-section, it may be necessary to shorten the back by scissor trimming the required amount from each side.
4. Connect the M642/5-1 (PJ-068) plug to the microphone jack of the aircraft communications equipment.
5. Connect the headset microphone plug to the S830 jack on the "Y" portion of the cord.
6. Check operation by calling the tower.

NOTE: If communications become intermittent or scratchy it may indicate a need to clean the brass parts of the plugs with fine steel wool. Be sure to wipe off any steel wool particles before reinserting the plugs.



Specifications

- Switch Type:** 2 each SPST momentary, normally open contacts.
Voltage: Designed for 6 volt to 28 volt circuits.
Current: Will handle up to 1/2 amps, resistive load safely.
Plug: .206" diameter, three circuit (switch to microphone jack).
Jack: .206" inside diameter, three circuit (microphone to switch).
Cordage: Coiled, extends to over five feet.
Strap: Hook and pile type fits yokes from 1/2" to over 1" in diameter.
Weight: 107 grams - 3.7 oz.

NOTE

Push-To-Talk Switch Usage with Intercom Systems

Push-To-Talk Switches, including the David Clark Company Incorporated Model C10-15, have two normally open switch contact sets; one set to key the transmitter, the other set to close the microphone to the transmitter microphone-audio circuit. The intent of the normally open microphone contact set is to provide isolation (eliminate loading effects) between the pilot's and co-pilot's microphones during transmissions. However, unless modified, it is not possible to use the Push-To-Talk Switch with an intercom system because no microphone connection is made during non-transmission periods. The C10-15 can be modified by connecting the two joined black wires to the red wire within the M642/5-1 microphone plug. After modification, the microphone circuits will operate normally with the intercom.

ELECTRICAL SCHEMATIC

