

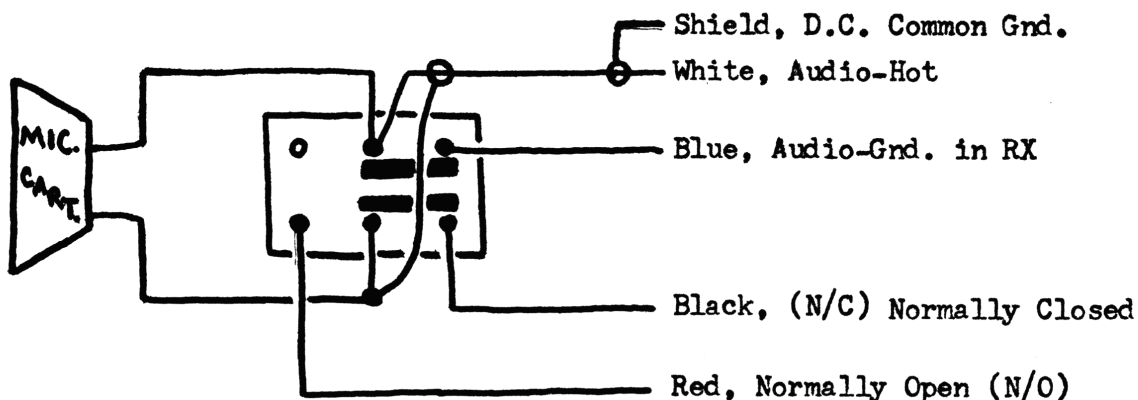
Radio Shack Mike Wiring

Converting Radio Shack hand/desk mikes is really no problem!

The 5 wires seem to throw everyone, especially their function as is:

<u>COLOR</u>	<u>FUNCTION</u>	<u>UNKEYED</u>	<u>KEYED</u>
White	Audio 'HOT'	Usually grounded thru the blue wire, internally on chassis.	Audio Input to chassis
Blue	Ground for Audio when in RX mode	Grounds the audio line to D.C. Gnd. inside chassis.	No Function
Shield	RF Shield for Audio, at DC Gnd potential. Also used as common ground for RX/TX switching.	No Change	No Change
Black	Receive Switch	At D.C. Gnd. potential via Sw. (Normally closed N/C..)	Open
Red	Transmit Switch	Open	At D.C. Ground potential via Sw. (Normally open N/O..)

Below is R/S switch wiring skematic, switch in unkeyed position.



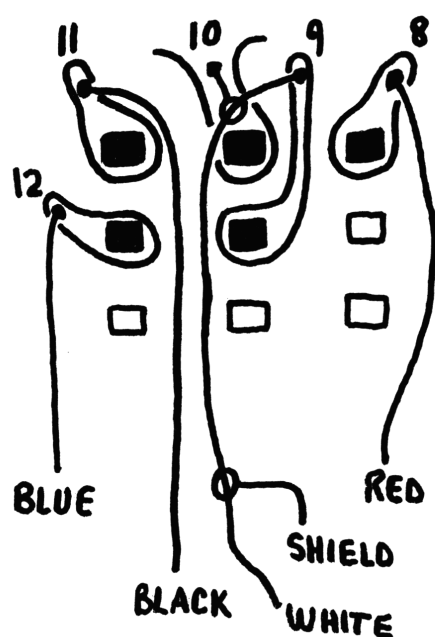
Radio Shack Mike Wiring (Cont.)

My idea of "Afternoon Delight" is not spending it on the phone; explaining how to wire a microphone! Especially R/S 21-1175

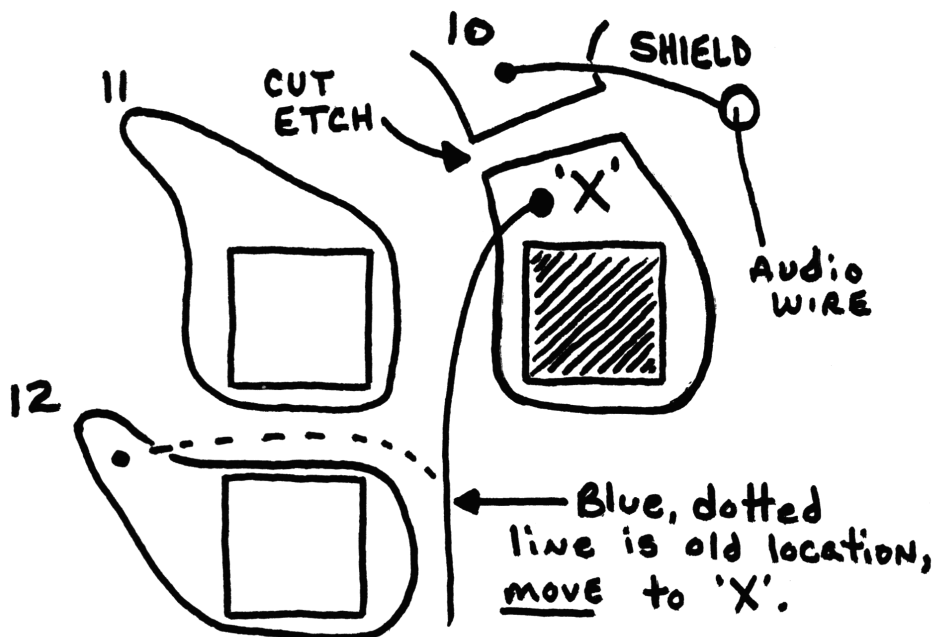
(Noise Cancelling Pre-Amp Microphone) to 5-pin President.

So, here it is: The President uses an "ungrounded" audio in receive, and shield is not a "common ground"..

Mike must have following changes made internally; cut etch in one place; and move the Blue wire. Then it works like a champ! Pin wiring is also below, with original/modified drawing of the microphone interior....



ORIGINAL WIRING



MODIFICATION WIRE CHANGE/CUT

New Pin Wiring for 5-Pin President:

- 1 - White, Audio - Hot
- 2 - Shield, Audio Ground
- 3 - Black, Normally Closed-short to Blue
- 4 - Blue, Common center for switching.
- 5 - Red, Normally Open..

This is an excellent microphone for SSB use, most independent dealers will not stock or recommend it for the simple reason-no profit!

Due to lagging CB sales by Radio Shack, (Due mostly to their own high \$, and discontinuance of SSB Base unit.) Look for this microphone to be dis-continued!