

KRS

Buffer Amplifier Schematic

Title		Rev
Size	Document Number	
A	FC-103	A

Date: Sunday, April 15, 2012

Sheet 1 of 1

DD-1 Installation Instructions

YAESU FRG-7

1. Unplug FRG-7 from power source, and remove receiver chassis from case.
2. Drill two $\frac{1}{4}$ " dia. holes in receiver rear panel in position shown in figure 1. Use center punch to mark hole locations, and drill with chassis sitting on edge of table and drill held horizontally to prevent spread of metal particles. Masking tape inside chassis lip in area of holes will help keep metal particles in place. Insure any wiring behind rear panel is held out of the way of the drill bit. After drilling, clean thoroughly.
3. Install Phono Jacks in the two holes drilled.
4. Peel backing off of "VFO-POWER" label, and stick to rear panel centered above phono jacks, as shown in figure 1.
5. Set receiver upside down on table. Locate FC-103A Buffer Amplifier as shown in figure 2. Component side of buffer board should face receiver tuning capacitor bracket. Wires from component side of buffer should be fed under coax leads from capacitor mounting bracket to receiver P. C. Board. The buffer board should not be exactly vertical, but should be angled away from capacitor bracket at top to allow room to change fuse if ever necessary. Solder buffer board in this location to the ground etch along edge of chassis cutout.
6. Form the wires from the buffer board into the approximate shape as required by the following steps, and tie to the existing wiring harness with cable ties or lacing twine.
7. Cut to length and solder one Red wire to terminal on Power Supply Choke. This is the terminal which has a light gray wire connected to it.
8. Solder the blue wire to the P. C. Board etch which has 2 brown/white wires on it.
9. Solder the other Red wire to the rear panel Phono Jack which is labeled "POWER".
10. Solder the coax cable center conductor to the center pin of Phono Jack labeled "VFO", and solder coax shield to Phono Jack ground lug.
11. Solder the bare wire from the etch side of the buffer board to the receiver P. C. Board etch, as shown in figure 3.
12. Double check all wiring. Connect antenna to receiver, and connect to power source. Connect DD-1 Display to receiver with Phono cable supplied, being sure to plug the same color plug into the Power Jack at each end of the cable. Turn on receiver and display and check for proper operation.

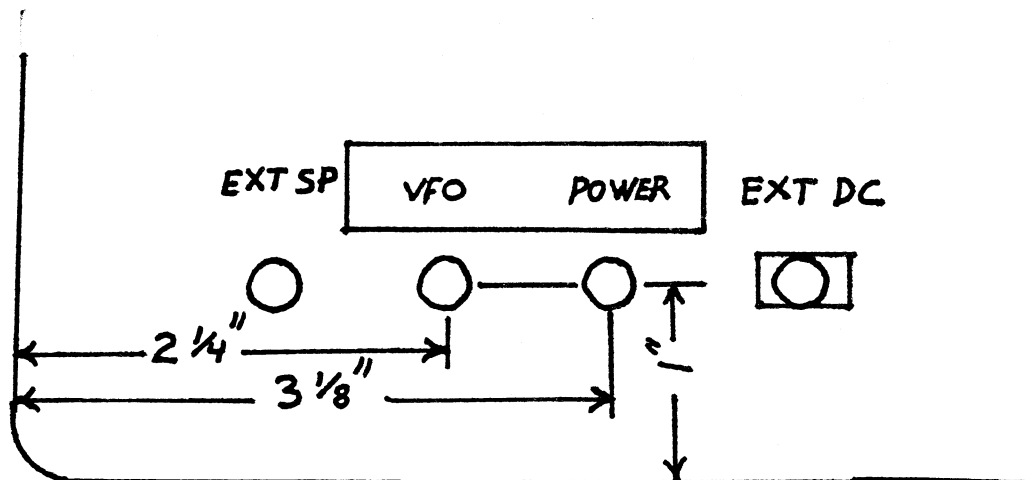


Figure 1.

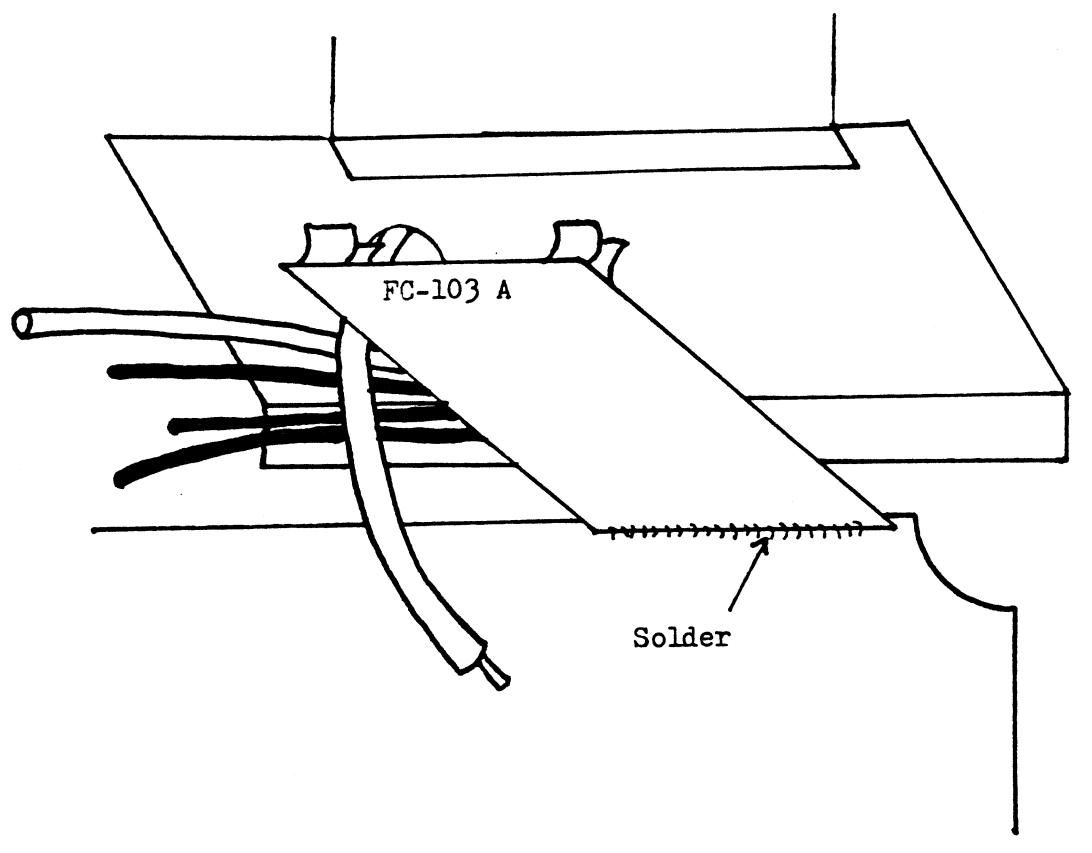


Figure 2.

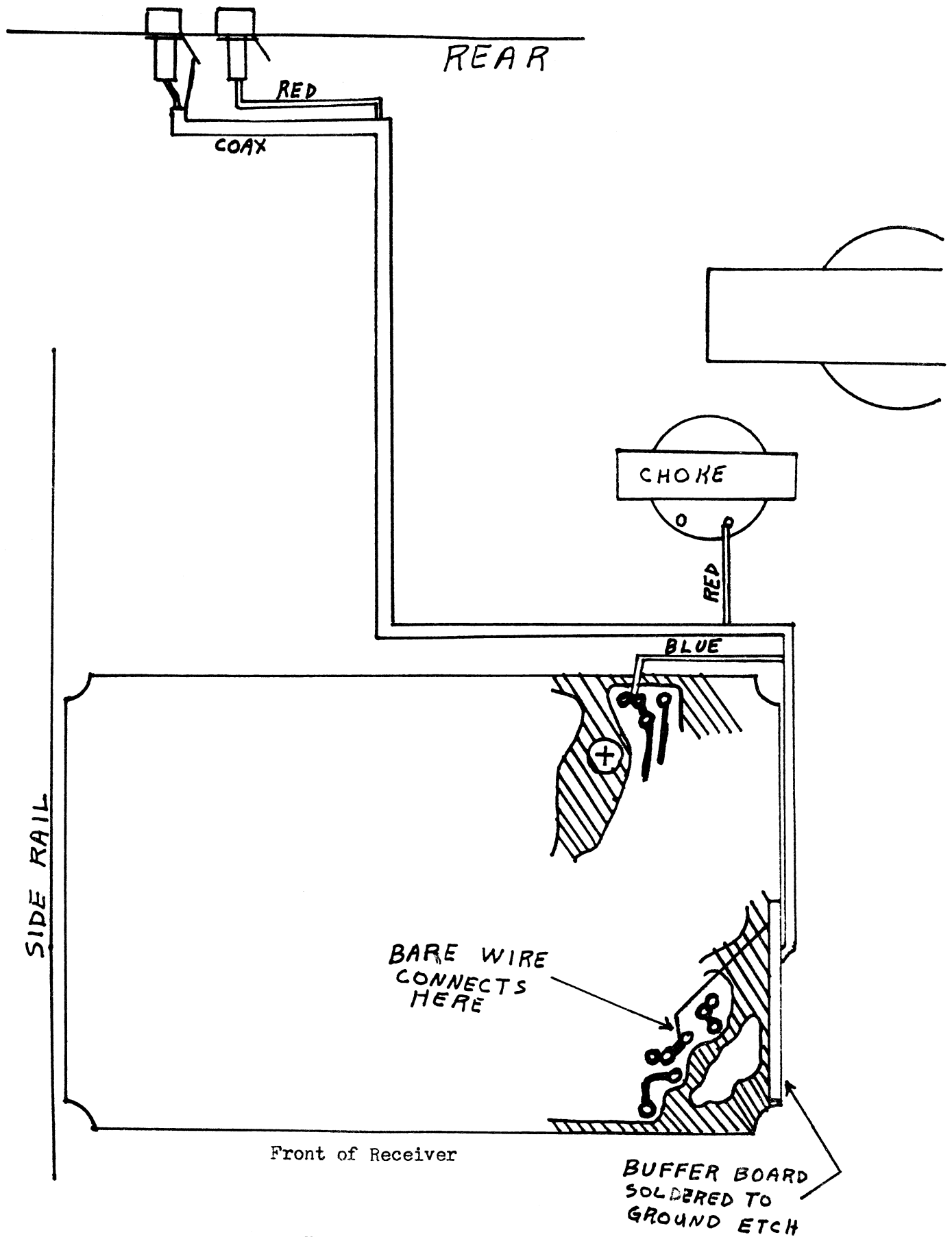


Figure 3.