TR3/TR4 Crystal Filter Replacement

T-13

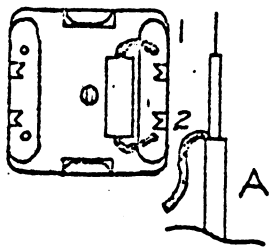


FIG. 1

FIG. 2

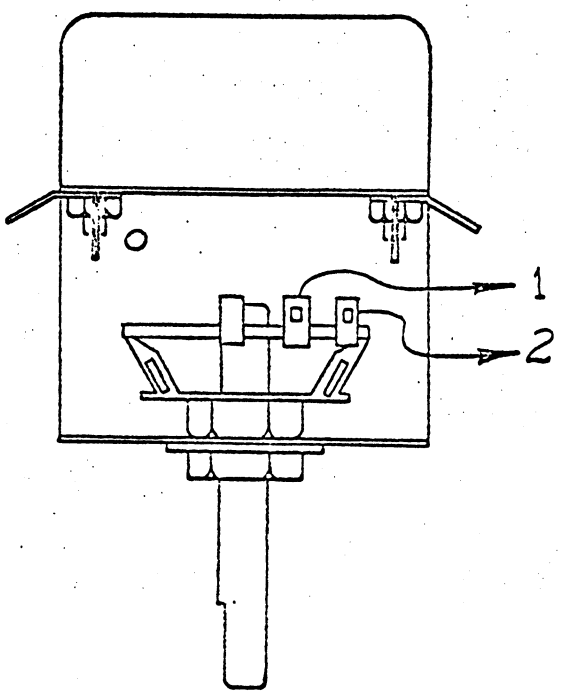
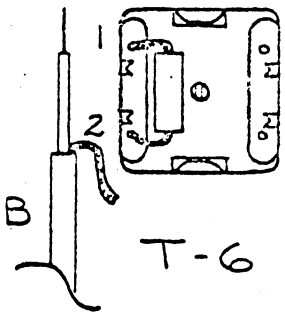


FIG. 3



1. Remove cabinet, top & bottom.
2. Remove all front panel knobs and front panel, this step is not necessary if you have a thin open end wrench that will fit between the sub-panel and front panel to remove the mounting nut of the crystal filter.
3. Clip the 2 leads (blk/wht and wht) close to old filter body.
4. Remove old filter, T-6 and T-13 transformers.
5. Install new filter and T-6, T-13 transformers, install transformers with resistors towards center of unit. Some units may require slight bending of ground lug to clear J-2 post.
6. Install front panel and all knobs if removed. The crystal filter knob will not mount to flat of shaft. Position correctly and tighten on round of shaft.
7. Connect center of coax A to pin 1 of T-13, Fig. 1.
8. Connect shield of coax A to pin 2 of T-13, Fig.1.
9. Connect center of coax B to pin 1 of T-6, Fig. 3.
10. Connect shield of coax B to pin 2, of T-6, Fig.3.
11. Connect blk/wht lead to lug 1, Fig. 2.
12. Connect white lead to lug 2, Fig.2.
13. Align T-6/T-13 as per manual, "Filter Matching Transformers"
14. Readjust C-130 as stated in manual, "Adjustment of 9.0 MHz oscillator".
15. Turn unit off and replace cabinet.