Repair of those Walkie-Talkie Antennas

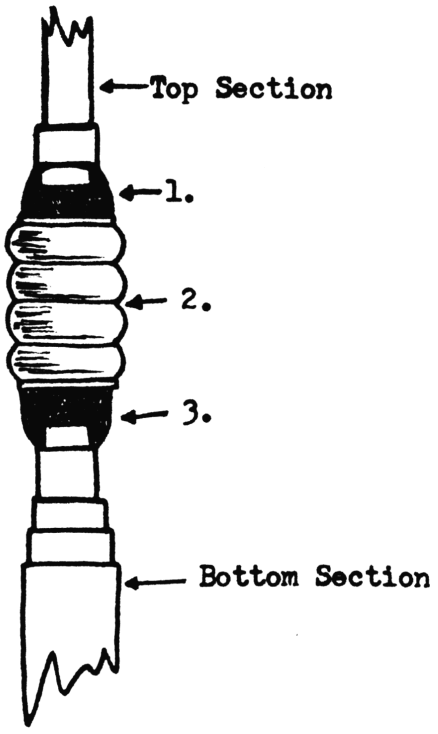
by B.W.

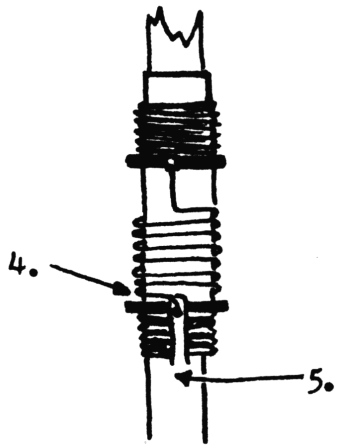
Tired of paying $16 + for a new antenna? If the top section is busted, bent 'out of shape', can be repaired for about $3....

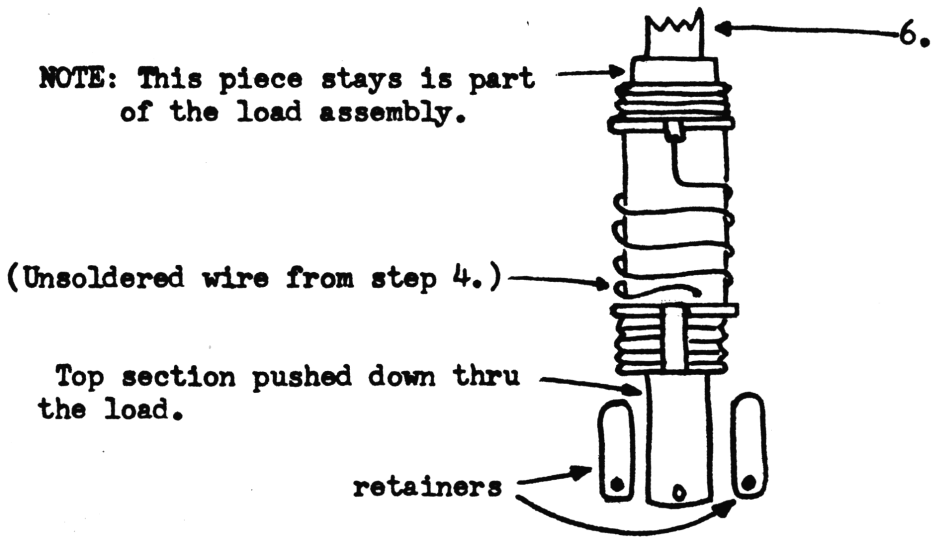
If load isn't busted, obtain Radio Shack #270-1401 'Replacement Telescoping Antenna'. This method of repair is proven on all R/S 'loaded' Telescoping Antennas that are on their Walkie-Talkies.

By following steps below can repair in no time, use the drawings as an aid! REMOVE ANTENNA FROM EQUIPMENT AND EXTEND FULLY.

1. Unscrew top retainer nut on load, slide up/off if top is missing.
2. Slide plastic sleeve up/off the antenna completely.
3. Unscrew bottom retainer nut, slide down.
4. Unsolder the wire from load to tab, CAREFULLY. (See drawing).
5. Pull bottom of antenna shaft out of load.
6. Push top of antenna down - thru the load. NOTE: If top is still on the whip, bust off; OR; push down till the two retainers on sides come out and remove them. Then pull the top section up and off. Discard old top section.

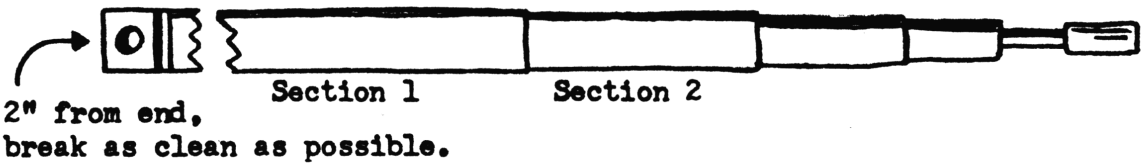




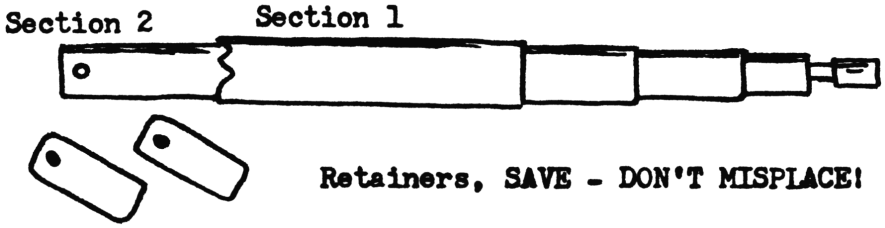


7. On the new 'replacement telescoping antenna'; fully extend and modify as below instructions/drawings;

a. Break off bottom of antenna 2" from the end.



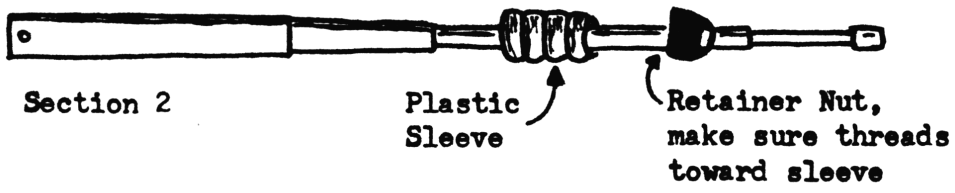
b. Push Section 2 thru Section 1, until the retainers can be removed.



c. Pull Section 1 off, and discard - remainder is the new top portion of antenna.

8. Reassemble the 'new' portion exactly as described/shown:

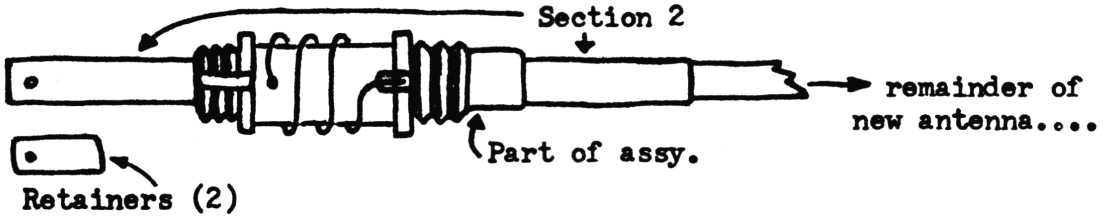
a. Push retainer nut and plastic sleeve up onto the new top.



8. (Cont.)

b. Push section 2 thru the load assembly as shown carefully!

c. Per drawing; attach the retainers to section 2, then pull to the right. At this time shouldn't pull thru the load assy. (Note: observe the load assembly configuration..)



9. Do reverse of tear-down proceedure steps 5 thru 1 for remainder of re-assembly.

Colt 355, "Super-Tune" - UPDATE

by Jerome Horwitz

In addition to Volume 18, page 19; the following may be performed:

ADD: 30pf to etch side in parallel, to C250. Critical, don't remove original part.... just add new capacitance.

REMOVE-NO REPLACEMENT: C249, C247, and C253.

REMOVE-REPLACE: C261 (180pf), replace with a 130pf.
C264 (270pf), replace with the 180pf.
R227, replace with a 1 ohm ½W.

Unit should now tune up to 6.5W+, 100% modulation...

PACE 8041, SM5118-PLL

Fo Conversion: 26.325-26.955MHz

This conversion is fast and easy. (J.V.)

"Cut Pin 11 loose on PLL chip - will give 26.325-26.685, selector 1-32.

Cut Pin 12 loose on PLL chip - will give 26.695-26.955, selector 5-27."