

120 CHANNEL EXPANDER
FOR STALKER IX AND XV

CAUTION: ILLEGAL FOR USE IN CLASS D CITIZEN'S BAND. FOR AMATEUR OR EXPORT USE ONLY.

Installation instructions

- Step 1. Remove covers from unit.
- Step 2. Choose an area for mounting your switch which is free from obstructions. (A .250" hole is required.)
- Step 3. Locate X-4 crystal which is 11.1125 mhz and remove by desoldering.
- Step 4. Install X-4 into the S-15 next to the existing crystals. (See figure 1.)
- Step 5. Now position the S-15 IC towards the rear of the cabinet and plug the two bare leads in the two holes left by the removal of X4 and solder. Caution should be exercised to keep these leads as short as possible to eliminate off frequency operation. (See figure 1.)
- Step 6. Connect the red lead to pin 9 of IC2 MB8719. (See figure 1.)
- Step 7. Solder the ground strap to top of L-18. (See figure 1.)
- Step 8. Install covers, installation is complete.

Alignment: If alignment becomes necessary, adjust CT-3 in each switch position to insure proper on frequency operation.

MODIFICATION FOR SLIDING STALKER IX AND XV

1. Cut D36.
2. Cut R187.
3. Remove orange wire from 8 volt supply to clarifier control. (Stalker IX)
4. Connect a wire from pin 1 of IC5 to clarifier.
5. Jumper R415 (Stalker XV) or R188 (Stalker IX) to ground.
6. Set radio in USB.
7. Run probe from counter to TP1.
8. Center clarifier control.
9. Radio to be on channel 20.
10. Adjust CT3 for frequency counter to read 35.0075 Mhz.
11. Set radio on LSB.

12. Adjust L19 for frequency counter to read 35.0025 Mhz.
13. Set radio on AM.
14. Adjust L20 to read 35.0050 Mhz.
15. Your radio should now slide approximately 2.5k low + 1.5K high.

FREQUENCY COROLATION FOR EXPANDED STALKER IX AND XV

<u>CHANNEL</u>	<u>LOW</u>	<u>NORMAL</u>	<u>HIGH</u>
1	26.515	26.965	27.415
2	26.525	26.975	27.425
3	26.535	26.985	27.435
4	26.555	27.005	27.455
5	26.565	27.015	27.465
6	26.575	27.025	27.475
7	26.585	27.035	27.485
8	26.605	27.055	27.505
9	26.915	27.065	27.515
10	26.625	27.075	27.525
11	26.635	27.085	27.535
12	26.655	27.105	27.555
13	26.665	27.115	27.565
14	26.675	27.125	27.575
15	26.685	27.135	27.585
16	26.705	27.155	27.605
17	26.715	27.165	27.615
18	26.725	27.175	27.625
19	26.735	27.185	27.635
20	26.755	27.205	27.655
21	26.765	27.215	27.665
22	26.775	27.225	27.675
23	26.805	27.255	27.705
24	26.785	27.735	27.685
25	26.795	27.245	27.695
26	26.815	27.265	27.715
27	26.825	27.275	27.725
28	26.835	27.285	27.735
29	26.845	27.295	27.745
30	26.855	27.305	27.755
31	26.865	27.315	27.765
32	26.875	27.325	27.775
33	26.885	27.335	27.785
34	26.895	27.345	27.795
35	26.905	27.355	27.805
36	26.915	27.365	27.815
37	26.925	27.375	27.825
38	26.935	27.385	27.835
39	26.945	27.395	27.845
40	26.955	27.405	27.855

REAR

120 CHANNEL EXPANDER
FOR STALKER IX AND XV

COMPONENT SIDE

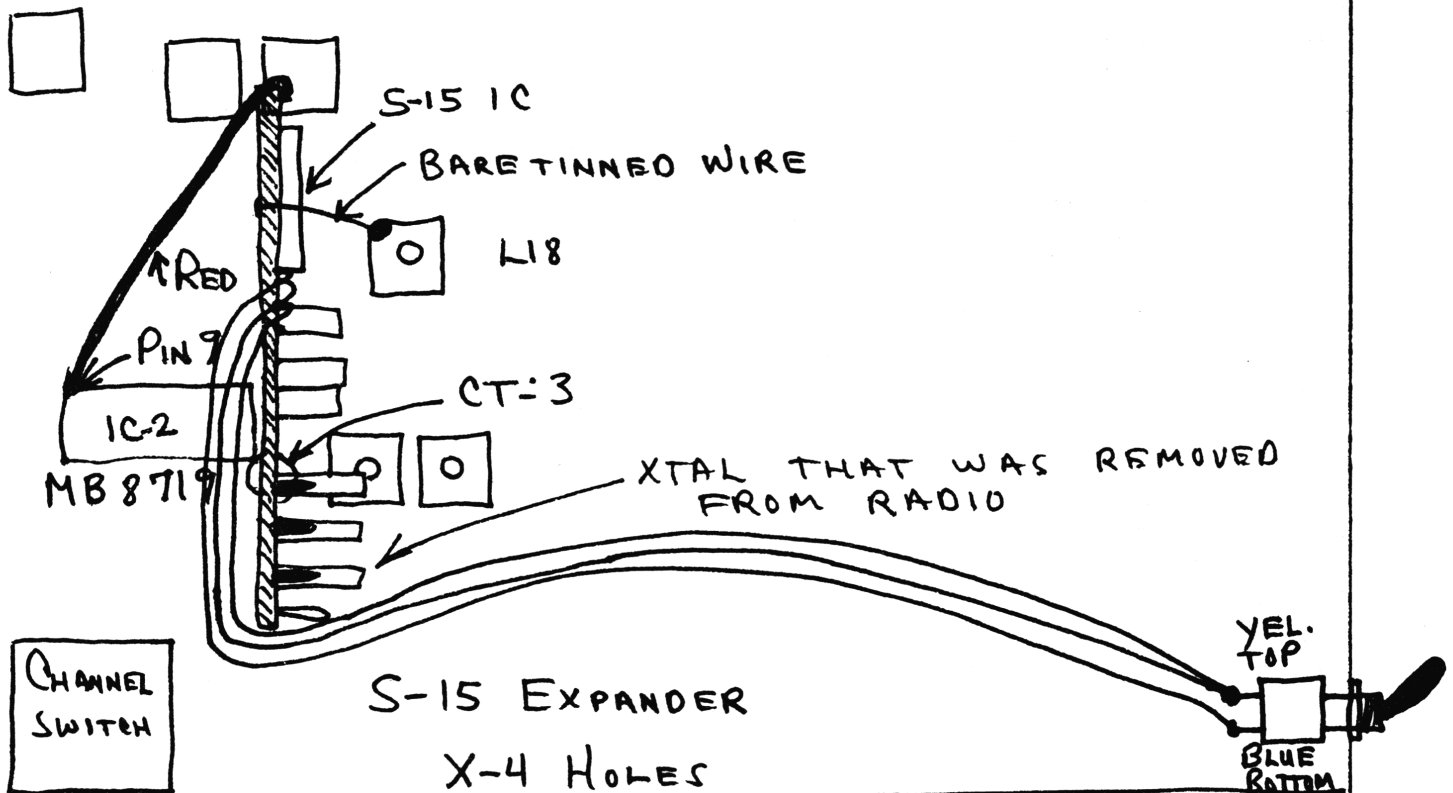


FIGURE 1