



SX-117 Modifications

1. Remove 330K 1/2 watt resistor (R9) from 6E8 1st mixer and terminal strip, part number 451-252334, (pin 3)

Remove .01 ceramic disc condenser (C12) from pin 3 to ground, part number 047-100224.

Connect 470 ohm, 1/2 watt resistor from pin 3 to pin 6 of same socket, part number 451-252471.

2. Remove 3.3 mmf condenser (C68) connected between T5 and T6, 50.75 KC I.F. transformers, part number 047-200403-05.

Replace with 2.2 mmf condenser, part number 047-200403-04.

3. Remove 3.3 mmf condenser (C78) connected between T7 and T8, 50.75 KC I.F. transformers, part number 047-200403-05.

Replace with 2.2 mmf condenser, part number 047-200403-04.

4. Remove 2 470 ohm resistors from selectivity switch (R85 and R87), part number 451-252471.

Replace with two (2) 390 ohm 1/2 watt resistors, part number 451-252391.

5. Remove 100 mmf condenser (C65) connected between pin 3 of T5 and rear wafer of selectivity switch.

6. Remove 1 meg. 1/2 watt resistor (R63) from 6B8 socket pin 2 and terminal strip, part number 451-252105.

Replace with 6.8 meg. 1/2 watt resistor, part number 451-252685.

7. Remove .001 ceramic disc condenser (C75) from terminal strip near center of selectivity switch, part number 047-100168 (note terminals).

Connect 100 mmf condenser from previously used terminal nearest rear of chassis to terminal 2 of T6, 50.75 KC I.F. transformer, part number 493-110101-334.

8. Remove .47-200V condenser (C107) at rear of function switch, part number D046-001302-04.

Replace with .22 - 200V condenser, part number 046-001298-05.

SX-117 Modifications (cont'd.)

9. Remove 4.7 mmf condenser (C61) connected between pins 7 and 9 of 6EAS 3rd mixer socket, part number 481-135047.

Remove 4700 ohm, 1/2 watt resistor (R51) connected from pin 7 of same socket and ground, part number 451-252472.

Replace condenser with 30 mmf connected between pins 7 and 8, part number 481-151300.

Replace resistor with 2200 ohm, 1/2 watt, pin 7 to ground, part number 451-252222.

10. Remove ground lead from terminal 1 of T4, 1650 KC I.F. transformer.

Replace with 330K, 1/2 watt resistor, part number 451-252334 and .01 ceramic disc condenser, part number 047-100224 both connected from I.F. terminal 1 to ground.

11. Remove .002 ceramic disc condenser (C93) directly behind BFO coil on terminal strip. Part number 047-100395 (product detector coupling).

Replace with .001 ceramic disc condenser, part number 047-100503.

N O T E

The 50.75 KC and th 1650 KC I.F. should be realigned after these changes are made.

It should be noted that the "S"meter will not indicate the selectivity of the I.F. pass band and will not indicate the notch null point.