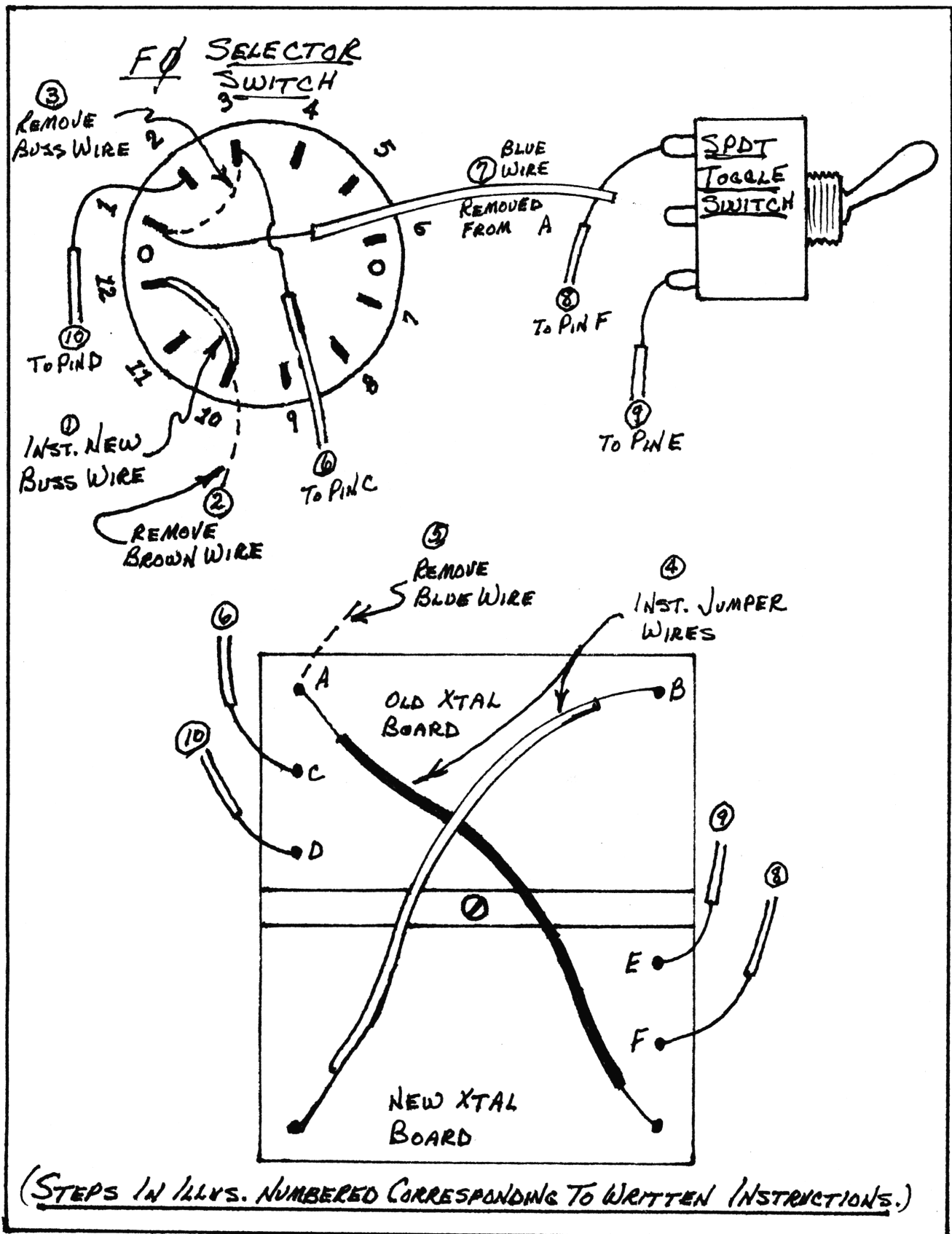


BROWNING MK IV & MK IVA EXPANSION



BROWNING MKIV & MKIVA EXPANSION CONTINUED:

Here is the stuff you have been waiting for on the Golden Eagle. First we will look at the RX expansion:

1. Single pole double throw toggle switch.
2. Browning part #14-0069 crystal board. This will allow you to switch in 2 new receive ranges.
3. You must choose the desired xtals that will give you the receive range. Choose 2 for your new board; crystals available from your favorite xtal supplier.

26.325 MHz to 26.645 MHz	-----	22.180
26.645 MHz to 26.965 MHz	-----	22.500
27.545 MHz to 27.855 MHz	-----	23.390
27.605 MHz to 27.925 MHz	-----	23.460
27.925 MHz to 28.245 MHz	-----	23.780

Mount and wire the new xtal and switch board as shown in drawing. The frequency selector switch will have to be wired as shown. All wiring must be kept short as possible and use solid wire, not stranded on all xtal leads.

Drill a hole in the front panel as close as possible to the F \emptyset selector switch and the crystal board and mount the new toggle switch. It may be labeled with dry transfers as to the new F \emptyset range.

1. Solder a buss wire connecting pins 10,11,12 of the F \emptyset selector switch.
2. Remove the brown wire from Pin #10 and tape back.
3. Remove the buss wire from Pins 1 & 3.
4. Install jumpers from old xtal board to new xtal board as shown.
5. Remove the blue wire from point A, old xtal board.
6. Install a new wire from position 3 of F \emptyset switch to point C on the old xtal board.
7. Connect the blue wire removed in step 5 to the common or center pole of the SPDT toggle switch.
8. Connect a new wire from the top pole of the toggle switch & connect it to point F on the new xtal board.
9. Connect a new wire from the bottom of the toggle switch & connect it to point E on the new xtal board.

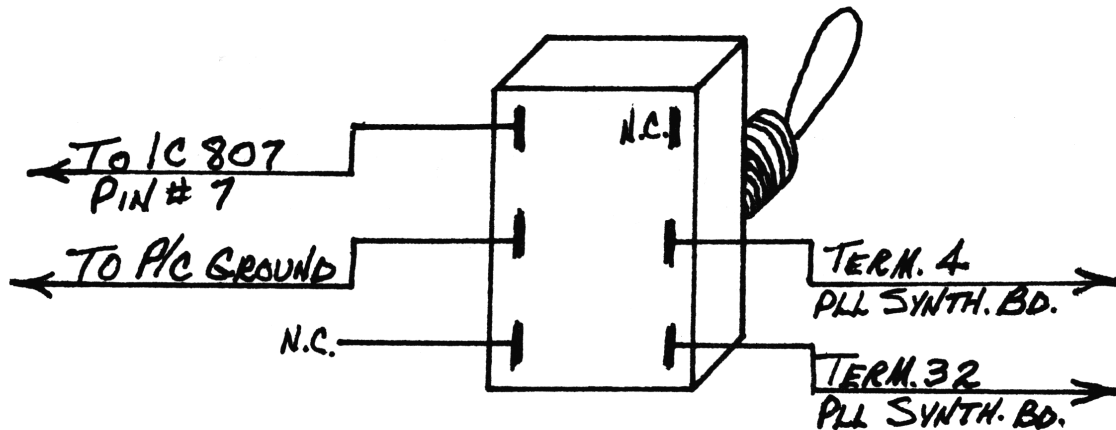
BROWNING MKIV & MKIVA EXPANSION CONTINUED:

10. Solder a wire from terminal 2 of the F \emptyset control switch to point D on the old xtal board.
11. Check all xtals for proper operation. The new F \emptyset will be on the xtal position of the F \emptyset selector switch and selectable with the toggle switch. If they do not isolate, adjust L105.

This completes the modification. Remember to use solid wire with xtals and keep all leads short as possible.

TRANSMITTER MODIFICATION

Make up a switch kit as shown and install in a convenient place on your xmitter using a DPDT center off toggle switch.



SWITCH IN "UP" POSITION NORMAL CHANNELS

SWITCH IN CENTER POSITION

1.	26.975	11.	27.135	21.	27.295	31.	27.455
2.	26.985	12.	27.145	22.	27.305	32.	27.465
3.	26.995	13.	27.155	23.	27.315	33.	27.475
4.	27.005	14.	27.165	24.	27.325	34.	27.485
5.	27.015	15.	27.175	25.	27.335	35.	27.495
6.	27.025	16.	27.185	26.	27.345	36.	27.505
7.	27.035	17.	27.195	27.	27.355	37.	27.515
8.	27.045	18.	27.205	28.	27.365	38.	27.525
9.	27.055	19.	27.215	29.	27.375	39.	37.535
10.	27.125	20.	27.285	30.	27.445	40.	26.965

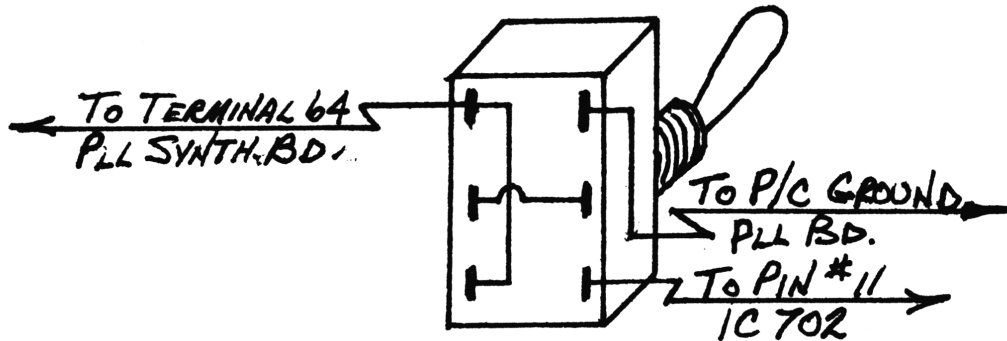
BROWNING MKIV & MKIVA EXPANSION CONTINUED:

SWITCH IN THE DOWN POSITION:

1. 26.975	11. 27.135	21. 27.335	31. 27.495
2. 26.985	12. 27.145	22. 27.345	32. 27.505
3. 26.995	13. 27.155	23. 27.355	33. 27.515
4. 27.325	14. 27.485	24. 27.325	34. 27.485
5. 27.335	15. 27.495	25. 27.335	35. 27.495
6. 27.345	16. 27.505	26. 27.345	36. 27.505
7. 27.355	17. 27.515	27. 27.355	37. 27.515
8. 27.045	18. 27.205	28. 27.405	38. 27.565
9. 27.055	19. 27.215	29. 27.415	39. 27.575
10. 27.125	20. 27.325	30. 27.485	40. 26.965

MKIV, IVA TRANSMITTER

Make up and install in a convenient location a switch as shown using a DPDT center off, miniature toggle switch.



NEW SWITCH IN UP POSITION:

1. 26.965	11. 26.795	21. 26.895	31. 26.995
2. 26.975	12. 26.805	22. 26.905	32. 27.005
3. 26.985	13. 26.815	23. 26.915	33. 27.015
4. 27.005	14. 26.825	24. 26.925	34. 27.025
5. 27.015	15. 26.835	25. 26.935	35. 27.035
6. 27.025	16. 26.845	26. 26.945	36. 27.045
7. 27.035	17. 26.855	27. 26.955	37. 27.055
8. 27.055	18. 26.865	28. 26.965	38. 27.065
9. 27.065	19. 26.875	29. 26.975	39. 27.075
10. 27.075	20. 26.885	30. 26.985	40. 27.405

CENTER NORMAL CHANNELS