

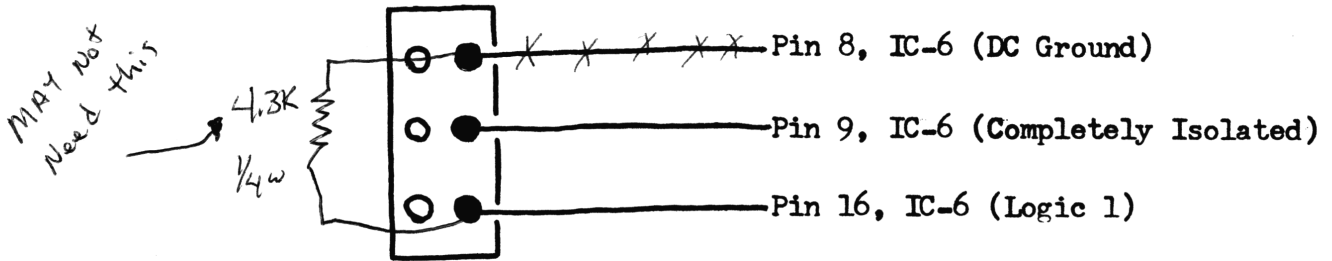
WORKS Now!!!

10KHz Jump Modification
Cobra 148GTL-DX/Superstar 360FM, and other similar chassis
by R.M.

Check IC-6 (MC14008BCP), pin 9 should be at DC ground.
Most schematics will show this with no connection or connected to a switch. Switch puts either a Logic 0 or 1 to pin.

This is the 10KHz jump pin — Logic 1 will give the jump!
See diagram below; use the Ch 9 switch after disabling:

1. Remove Jumper JP54 between IC5 & IC6 ALL
2. INSTALL 4.7K ohm resistor in place of JP54
3. wire as shown



- - H I G H - - Frequency Modification
Cobra 148GTL-DX/Superstar 360FM, and other similar chassis
by R.M.

Had customer that wanted to go way up - so by checking 148DX schematic vs the Jackson, came up with the following mod.

(Note: I used same unit that did the 10KHz modification in. Removed previous switch from chassis and replaced in TONE position, after hard-wiring.) This left empty position where Ch 9 used to be, utilized hole for 4 pole rotary switch.

Caution: before attempting modification make sure that parts will physically fit, and shaft of new switch is knurled to accept the correct knob for matching up I did have to enlarge the front cover hole, but doesn't show after knob is on.

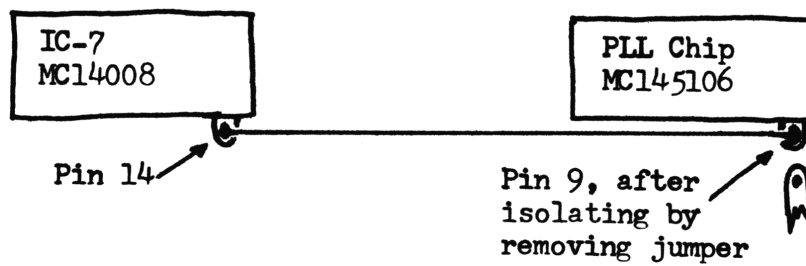
Follow directions - diagrams carefully...

Do not start until you have all the required items!

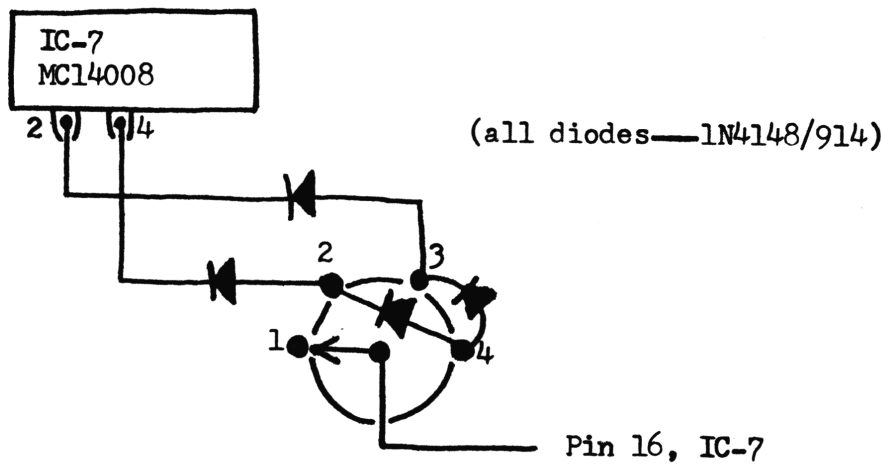
1. Remove jumper going to Pin 9 of PLL chip - MC145106; isolate completely; was grounded.
2. Run new wire on etch side of chassis from IC7, Pin 14; (there is no connection at present); to Pin 9 of PLL chip.
3. Wire up 4 pole rotary switch as shown; all diodes are 1N914 or similar type.
4. All new frequencies are obtained in the High Band.

H I G H Fo Mod. (Cont.)

Step #1, and #2 Drawing:



Step #3 drawing:



Frequencies HIGH position, rotary switch position:

1. Normal High Fo's
2. 27.875 - 28.175MHz; selector positions 12-40.
3. 28.195 - 28.495MHz; selector positions 12-40.
4. 28.505 - 28.705MHz; selector positions 20-40.

In this particular unit, the VCO - TX - and RX circuitry had to be realigned for full coverage.