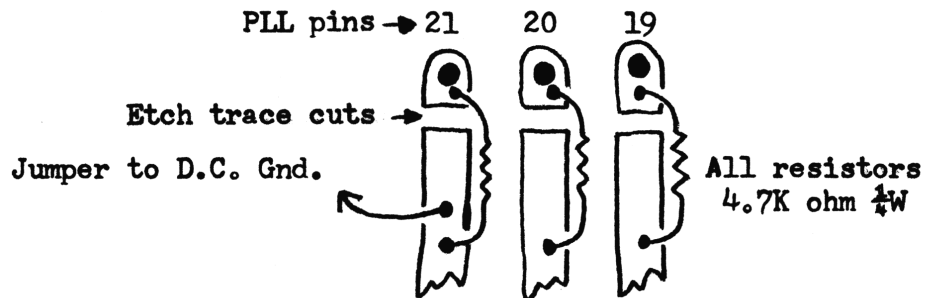
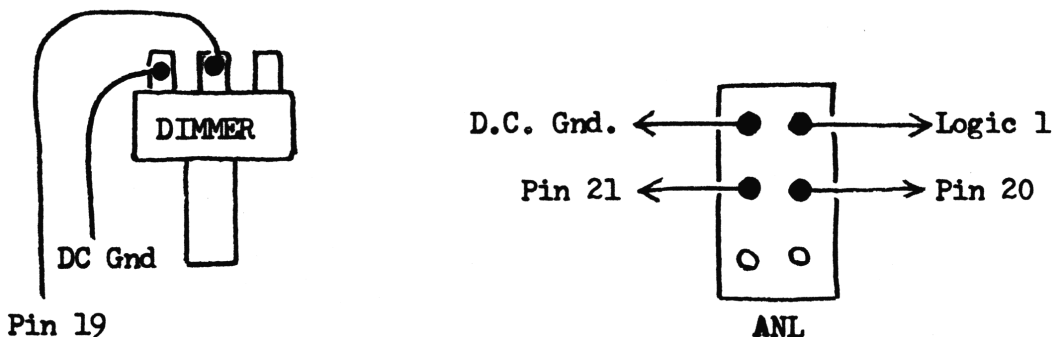


Cobra 21XIR, 858-PLL
Fo Mod using ANL and Dimmer switches
 by J.V.

1. Remove Purple and Gray wires from ANL switch, delete both.
ANL is now permanently on.
2. Remove Blue wire from dimmer control, delete.
3. Remove Orange wire from dimmer control, re-route to where Blue wire was deleted. Cut-to-length and solder in place. If you want may insert a variable in series and adjust, just be careful to make sure it is insulated.
4. Cut traces to Pins 19, 20, and 21 of the PLL chip. Pin 20 must be completely isolated.
5. Bridge trace cut to Pin 19 with a 4.7K ohm resistor.
6. Bridge trace cut to Pin 20 with a 4.7K ohm resistor. Also solder a jumper from trace (cut side) of Pin 20 to D.C. Ground.
7. Bridge trace cut to Pin 21 with a 4.7K ohm resistor.



8. Wire dimmer control and ANL switch as shown below: Viewed looking down on trace side of PCB.



Cobra 21XLR, Fo Mod. (Cont.)

Fo Selection: ANL - On, Dimmer fully CW ... 26.675-26.805, selector 27-40.
ANL - On, Dimmer fully CCW .. 26.815-26.865, selector 5-9
ANL - Off, Dimmer fully CW .. 26.875-26.955, selector 27-35.
ANL - Off, Dimmer fully CCW . Normal C.B. Fo's...

YAESU FT-726R Fo Mod.

by K.T.

Three band: FM/SSB/CW transceiver. Low Power - 10W, with standard 2 Meter Operation. Optional modules cover: 430-440, 440-450, 50-54, and 21-30MHz. This is the 10 thru 15 Meter module.

This 21-30MHz module only covers 21-23 and 28-30MHz as sold. However it can be modified to include 24.5-26.5 for 12 Meters, and also 26-28 on 11 Meters.

Modification of the 10-15 Meter module is very simple and a Service Manual is not required. All that is required is "cutting" - REMOVAL of two diodes: D20 and D21. TX is added to 11 Meter band with D20, and 12 Meter band with D21.

Diodes are located on the PLL board: Remove the 4 small screws that hold the cover on PLL - Locate a vertical style plug and jack that is labeled J0-3, the two diodes are less than half an inch from this jack/plug towards center of board.

SSB Output Power: may be improved somewhat by adding a 2.0-2.2Mfd 25Volt capacitor to the ALC line to DC ground. Use pin 7 and 8 of any of the 11 pin connector jacks (there are 3, and all are paralleled).

Interesting and very versatile unit with Memory and Scan, Automatic Repeater/Simplex Switching, plus - on any of the bands.

FEEDBACK

Vol. 20, pg. 35; Jackson - Trouble-Spot

Disregard the cross-reference to ECG-788A, wrong... Checked the four units I have access to and found all had BA715 chip? So guess this is another cross, as schematic calls out NJM4558S. Cross out second line in Vol. 20.

FEEDBACK

Vol. 18, pg. 16; Yaesu 757GX

Received note on mike wiring of SHURE 526T: Change Black/Shield-7, to Blue/Shield-7...

* * * TALK - BACK * * *

O.K. got feedback on this.. 'To get talk back thru speaker put a 100 ohm resistor or less from ground side of speaker lead to chassis ground.'

Some one called in and said to get talk back on the Jackson-DX Clip D71.