

JACKSON EXTENDED LO BAND

BY STUDYING THE CHART, YOU CAN SEE HOW THE SWITCH SHIFTS THE FREQUENCIES. APPLY THIS SHIFT TO YOUR CONVERSION FREQUENCIES AND YOU CAN SEE HOW EVERY CHANNEL CAN BE PICKED UP WITH THE FLIP OF A SWITCH. TO GET CHANNELS 105-108, APPLY THE SWITCH WHEN MODE 60-104 IS ENABLED. 105-108 WILL BE ON CHANNELS 37-40.

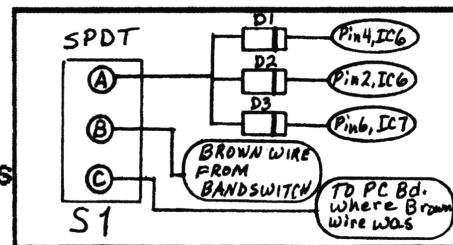
JACKSON EXTENDED LO BAND

. *M.WASSERMAN*

THIS MODIFICATION ADDS ONE MORE BAND OF COVERAGE TO THE JACKSON. IT GIVES 25.615MHZ TO 26.055MHZ ON BAND 'A' WITH EXTEND SWITCH SELECTED. REFER TO VOLUME 27 PAGE 08.(BAND 'A' IS THE ONLY BAND AFFECTED BY THE NEW SWITCH.)

PARTS YOU WILL NEED: 3 1N4148 DIODES. 1 SPDT SWITCH.

1. FOLLOW THE BROWN WIRE FROM THE BAND SWITCH TO THE P.C. BOARD BEHIND THE CHANNEL SELECTOR.
2. UNSOLDER THE BROWN WIRE AT THE PC BOARD AND CONNECT IT TO PIN 'B' OF SWITCH 1.
3. RUN ANOTHER WIRE FROM WHERE YOU REMOVED THE BROWN WIRE IN STEP 2, TO PIN 'C' OF SWITCH 1.
4. CONNECT THE CATHODE OF D1 TO PIN '4' OF IC6.
5. CONNECT THE CATHODE OF D2 TO PIN '2' OF IC6.
6. CONNECT THE CATHODE OF D3 TO PIN '6' OF IC7.
7. SOLDER THE ANODES OF THE THREE DIODES TOGETHER.
8. CONNECT THE ANODES TO PIN 'A' OF SWITCH 1.
9. REMOVE DIODES D26 AND D27. REPLACE THEM WITH 'ONE' (1) 'SUPER DIODE'.



CONNEX-3300 EXPORT ALIGNMENT

. *RAYSRADIO*

200 CHANNEL UNIT (25.615-28.305MHz). SAME EXACT CASE AND FRONT FACE PLATE AS THE SUPER STAR 3600 LESS CW AND SSB. IN ITS PLACE IS HI/LO PWR AND ECHO. MODE SELECT SWITCH HAS THREE POSITIONS (PA,FM,AM). ECHO BOARD LOOKS LIKE TYPICAL BBC CIRCUIT. UNIT HAD IDENTICAL PCB AS EXCALIBUR. USED BOARD LAYOUT IN VOLUME 22 PAGE 31.ANOTHER ONE HAD SLIGHT DIFFERENCE IN SYNTHESIZER CRYSTAL ARRANGEMENT. THE FIRST UNIT WITH SER.# 86060341 HAD THREE CRYSTALS IN A GROUP WITH A VARIABLE CAP NEXT TO EACH ONE. THE SECOND UNIT SER.# 012270 HAD THREE CRYSTALS BUT ONLY ONE VARIABLE CAP AND TWO TUNING COILS IN PLACE OF THE VARIABLE CAPS. DRIVER TRANSISTOR IS A 2SC2166 AND FINAL