8719 SKIPPED CHANNELS RETREIVE SWITCH

• *R.COGLIANO*

THIS CIRCUIT PICKS UP THE "A" CHANNELS AND SKIPPED CHANNELS IN CONVERSIONS.
REFER TO FIGURE 1. USE A PERF BOARD TO BUILD CIRCUIT ON.
PARTS YOU WILL NEED: 1 7486A OR EQUIVALENT IC. 1 1N5231 5 VOLT ZENER DIODE. 1 120ohm 1/4 WATT RESISTOR. 1 1kohm 1/4 WATT RESISTOR. 1 SPST SWITCH.

1. BUILD THE CIRCUIT DIAGRAMMED IN FIGURE 1.
2. CAREFULLY REMOVE THE RADIOS COVERS.
3. FIND AN APPROPRIATE MOUNTING SPOT AND MOUNT SW 1 AND NEW CIRCUIT INSIDE RADIO.
4. CUT THE TRACE BETWEEN PIN "16" OF THE PLL IC AND THE CHANNEL SELECTOR.
5. CONNECT THE WIRE FROM PIN "1" OF THE 7486 IC TO THE CHANNEL SELECTOR SIDE OF THE CUT RUN.
6. CONNECT THE WIRE FROM PIN "3" OF THE 7486 IC TO PIN "16" OF THE PLL IC.
7. CONNECT THE LOOSE END OF R1 TO A CONSTANT +8 VOLT SUPPLY.
8. CONNECT THE WIRE FROM PIN "6" OF THE 7486 IC TO A GOOD BOARD GROUND.
9. NOW, RECHECK ALL WIRING AND CONNECTIONS. IF ALL IS WELL, POWER UNIT UP AND CHECK IT OUT!

01|26.955	11|27.075	21|27.255	31|27.325
02|26.985	11A-12|27.095	22|27.215	32|27.315
03|26.975	13|27.015	23|27.265	33|27.345
3A-04|26.995	14|27.115	24|27.245	34|27.335
05|27.025	15A-15|27.145	25|27.235	35|27.365
06|27.015	16|27.165	26|27.255	36|27.355
7A-07|27.045	17|27.155	27|27.285	37|27.385
08 27.065	18|27.185	28|27.275	38|27.375
09|27.055	19|27.175	29|27.305	39|27.405
10|27.085	19A-20|27.195	30|27.295	40|27.395

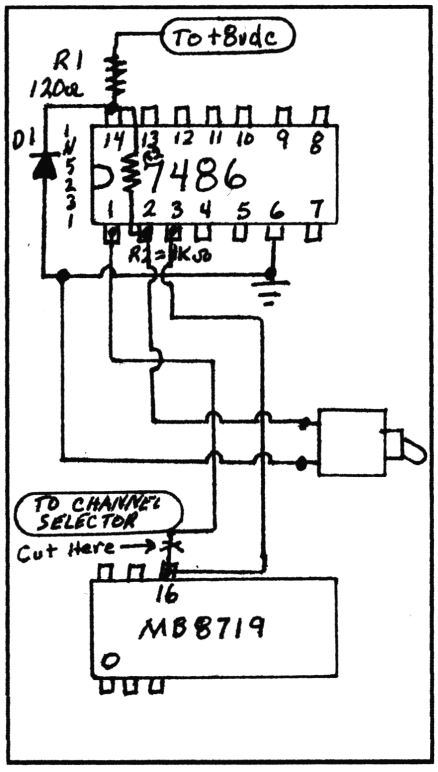


FIGURE 1. 8719 SKIPPED CHANNELS RETREIVE SWITCH.

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.

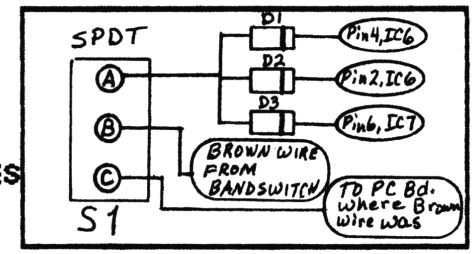
JACKSON EXTENDED LO BAND

- *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