

THE COBRA 18 PLUS/LOW CHANNELS WITH THE 'B' KIT

6. SELECT EACH POSITION ON THE GROUP SELECTOR SWITCH AND TUNE ITS ASSOCIATED VARIABLE CAPACITOR TO THE FREQUENCY MARKED IN BLACK ON THAT CRYSTAL.
7. TOUCH UP AND BALANCE THE TRANSMITTER AT BOTH ENDS OF THE FREQUENCY SPAN.
8. WHILE ON THE CENTER OF THE FREQUENCY SPAN, SELECT CHANNEL 26. INJECT A SIGNAL OF THAT FREQUENCY AS LISTED BY THE CHART. TUNE AND PEAK L3 OF THE RECEIVER.
9. SELECT THE LOWEST FREQUENCY GROUP AND INJECT A SIGNAL OF THAT FREQUENCY AND ADJUST L4 FOR PEAK.
10. SELECT THE HIGHEST FREQUENCY GROUP AND INJECT A SIGNAL OF THAT FREQUENCY AND ADJUST L5 FOR PEAK. NOW THE RECEIVER SHOULD BE FAIRLY CONSTANT ACROSS THE COMPLETE 2MHz BAND.

FINISHING TOUCHES

THERE ARE TWO DECALS IN EACH KIT. USING AN X-ACTO KNIFE, CUT A CENTER HOLE IN THE ROUND PAPER-BACKED ONE AND WITH THE COVERS IN PLACE, PLACE IT OVER THE SWITCH SHAFT AND RUB IT DOWN FIRMLY. CUT ACROSS THE DECAL WHERE THE TWO COVERS MEET. PEEL OFF THE "TECH'S CHOICE" DECAL AND TRANSFER IT TO JUST BELOW THE WORD "UNIDEN" ON THE PC-122 OR ON THE TRC-453, ABOVE THE MIC CONNECTOR AND IN LINE WITH THE SWITCHES.

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USING THE VERTICAL MIKE HOLES AS A GUIDE AND AS TWO OF THE THREE POINTS OF A TRIANGLE, MARK THE THIRD POINT.

REPLACE COVER AND MARK THE CENTER OF THE PUNCHED HOLE ON THE CHASSIS.

PUNCH 1/4" HOLE IN CHASSIS.

MOUNT THE "B" KIT. (WIRES DOWN TOWARD THE MOTHER BOARD.)

REMOVE FT-1

SOLDER REAR MOST 3 WIRES OF THE EPOXY PACK IN PLACE OF FT-1 (WHITE OR YELLOW WIRE NEXT TO FT-1 MARKING).

REMOVE D-7

SOLDER THE BROWN WIRE WHERE D-7'S CATHODE WAS.

SOLDER THE ORANGE WIRE WHERE D-7'S ANODE WAS

SOLDER RED WIRE TO THE LEG OF R-56. (82 OHM RESISTOR NEXT TO D-8).

REMOVE C-42. (BESIDE THE 10.24MHZ. CRYSTAL TOWARD THE EPOXY PACK.)
REPLACE C-42 WITH A 33PF CAPACITOR LEAVING THE REAR MOST LEG RAISED.
REMOVE THE TWO JUMPER GOING TO THE CHANNEL 9 SWITCH.
ON THE PC SIDE OF BOARD, TRIM THE END OF THE 33K RESISTOR LOCATED BETWEEN THE TWO REMOVED JUMPERS, AS CLOSE AS POSSIBLE.
ON THE PC SIDE OF BOARD, INSERT AND SOLDER THE SUPPLIED VC. WHERE THE TWO JUMPERS WERE REMOVED.
ON THE COMPONENT SIDE OF BOARD, RUN TWO WIRES FROM THE VC TO THE RAISED LEG OF C-42 AND THE HOLE WHERE THE LEG WAS RAISED FROM.

THE COBRA 18 PLUS/HIGH CHANNELS WITH THE 'A' KIT

PUNCH CHASSIS AS INDICATED IN PREVIOUS PROCEDURE FOR "B" KIT.
MAKE UP THE SUPPLIED DPDT SWITCH SUPPLIED AS SHOWN BELOW AND MOUNT IT ON CHASSIS.
RAISE CATHODE END OF D-7.
REMOVE C-46 (15PF FRONT LEFT OF L-2).
REMOVE C-47 (3PF BETWEEN PINS 4 & 5 OF VCO MIXER)
SOLDER ON LEG OF 47PF CAPACITOR SUPPLIED WHERE LEG OF C-46 WENT TO PIN 4 OF THE VCO MIXER. LEAVE OTHER LEG RAISED.
CONNECT A 3" WIRE TO THE LEG OF R-56 (82 OHM RESISTOR LOCATED NEXT TO D-8.)
MOUNT EPOXY PACK ON TOP OF PLL CHIP WITH VC TO THE REAR. (USE A FAST CURING GLUE SUCH AS SCOTCH-GRIP 3M 4475 PLASTIC ADHESIVE.)
(IF TIME PERMITS A RUBBER BASE GENERAL HOUSEHOLD GLUE WILL DO).
WIRE UP SWITCH AS INDICATED.
SOLDER WIRE FROM R-56 TO RED DOT ON EPOXY PACK.
IF FULL CHANNELS ARE DESIRED, PERFORM A 5K OFFSET

THE COBRA 19 PLUS/HIGH CHANNELS WITH THE 'A' KIT.

ON THE COMPONENT SIDE OF BOARD, NOTE THE OUTLINE OF C-112.
STAND THE CAPACITOR UP AGAINST THE TANK AND DRILL AN EXCESS HOLE THROUGH THE BOARD. DO NOT GO OUTSIDE OF DOTTED LINE.
PUNCH OR DRILL THE TWO LOWER MIKE HOLES TO 1/4" IN BOTTOM COVER RIGHT SIDE. IF HALF CHANNELS ARE DESIRED PUNCH ONLY THE FRONT MOST HOLE.
MOUNT THE TWO SUPPLIED SWITCHES IN THESE CORRESPONDING HOLES.