

THE COBRA 19 PLUS/LOW CHANNELS WITH THE 'B' KIT.

(SPDT SWITCH IN THE FORWARD MOST HOLE).

5KHZ. OFFSET

NOTE: THE CHANNEL 9 SWITCH APPEARS TO BE IDEAL FOR 5K OFFSET.

WARNING: THESE SWITCHES HAVE PROVEN TO BE WET CIRCUIT SWITCHES.

A DRY CIRCUIT SWITCH IS REQUIRED.

REMOVE C-208 & C-209.

CUT PC PAD AS INDICATED.

REPLACE C-209 WITH C-208.

RUN THE TWO WIRES FROM THE SPDT SWITCH, THROUGH THE BOARD AND CONNECT ONE ON EACH SIDE OF CUT.

ISOLATE PIN 20 OF THE PLL CHIP FROM THE REMAINDER OF THE CIRCUIT.

REMOVE C-222 & C-221.

REPLACE C-222 WITH 47PF CAPACITOR SUPPLIED, LEAVING THE LEG RAISED THAT IS NOT CONNECTED TO PIN 4 OF THE VCO MIXER.

AFFIX THE EPOXY PACK ON THE CHASSIS WALL JUST ABOVE THE MOUNTING BRACKET HOLE.

CONNECT DPDT SWITCH AS INDICATED.

RUN A WIRE FROM THE PIN 18 OF PLL THROUGH THE PC BOARD TO THE RED DOT ON EPOXY PACK.

LET'S HELP EACH OTHER DO A BETTER JOB

TECH'S NOTES

THE COBRA 19 PLUS/LOW CHANNELS WITH THE 'B' KIT.

ON THE COMPONENT SIDE OF THE BOARD, NOT 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 THE DOTTED LINE. PUNCH OR DRILL THE LOWER FRONT MIKE HOLES ON EACH SIDE OF THE BOTTOM COVER TO THE SIZE OF 1/4".

CUT THE BOTTOM COVER ON THE MIKE SIDE AS INDICATED BELOW.

MOUNT THE EPOXY PACK ON THE INSIDE OF THE WALL OF THE CHASSIS NEAREST THE PLL CHIP. (MAKE SPECIAL NOTE THAT THE FACEPLATE MOUNTING SCREW IS NOT TOUCHING ANY COMPONENT OF THE EPOXY PACK). MAKE UP THE SPDT SWITCH AS INDICATED IN STEP ONE OF THE PACKAGING.

MOUNT THE SPDT SWITCH ON THE SIDE NEAREST THE MIKE CONNECTION.

5KHZ. OFFSET

THE COBRA 21 PLUS/HIGH CHANNELS WITH THE 'A' KIT.

NOTE: THE CHANNEL 9 SWITCH APPEARS TO BE IDEAL FOR 5K OFFSET.

WARNING: THESE SWITCHES HAVE PROVEN TO BE WET CIRCUIT SWITCHES.

A DRY CIRCUIT SWITCH IS REQUIRED.

REMOVE C-208 & C-209.

CUT PC PAD AS INDICATED.

REPLACE C-209 WITH C-208.

RUN THE TWO WIRES FROM THE SPDT SWITCH, THROUGH THE BOARD AND CONNECT ONE ON EACH SIDE OF CUT.

CONNECTING THE EPOXY PACK

ISOLATE PIN 20 OF THE PLL CHIP FROM THE REMAINDER OF THE CIRCUIT.

RUN THE BROWN, RED AND ORANGE RIBBON WIRE THROUGH THE EXCESS HOLE TO THE PC SIDE OF THE BOARD.

SOLDER THE BROWN WIRE TO "B".

SOLDER THE RED WIRE TO PIN 20 OF THE PLL CHIP. (B)

REMOVE THE 10.7 CERAMIC FILTER CF-1.

SOLDER THE REMAINING THREE WIRE RIBBON IN ITS PLACE WITH THE (YELLOW OR WHITE) WIRE NEAREST THE CF-1 MARKING.

THE COBRA 21 PLUS/HIGH CHANNELS WITH THE 'A' KIT.

REMOVE COVERS AND ENLARGE THE UPPER MIKE HOLE, RIGHT SIDE, IN THE BOTTOM COVER TO 1/4".

WIRE THE DPDT SWITCH SUPPLIED, AS INDICATED IN THE PACKAGING MATERIAL.

MOUNT THE DPDT SWITCH ON CHASSIS THAT MATCHES UP WITH THE ENLARGED MIKE HOLE IN THE BOTTOM COVER.

MOUNT THE EPOXY PACK ABOVE THE BRACKET MOUNTING HOLE USING PLASTIC ADHESIVE 3M 4475.

RAISE THE CATHODE LEG OF D-15.

SOLDER A WIRE FROM "B" TO THIS POINT ON THE PC BOARD WHERE D-15 WAS RAISED FROM.

SOLDER A WIRE FROM "B" ON THE SWITCH TO THE RAISED LEG OF D-15.

SOLDER A WIRE FROM THE REMAINING CONTACT ON THE POLE OF THE SWITCH TO GROUND. (SHIELD OF L-6 IS A GOOD PLACE).

REMOVE C-99 (5PF. CAPACITOR LOCATED BETWEEN MIXER CHIP IC-4 AND L-18).

REPLACE C-98 WITH THE 47 PF. CAPACITOR SUPPLIED. SOLDER ONE LEG TO PIN 4 OF THE MIXER CHIP AND LEAVE THE OTHER LEG RAISED.

SOLDER A WIRE FROM C' TO THE POINT ON THE PC BOARD WHERE C-98 WAS RAISED FROM.