

# COBRA 148GTL CHANNEL & CLARIFIER MODIFICATION

NOTE: Refer to Secret CB, Volume 7 for drawings on Uniden MB8719 Chassis.

1. Remove R44, R175 and D52.
  2. Install jumper wire where you removed R175
  4. Move orange wire on clarifier to empty hole on printed circuit board next to R137 (8.17 volts) *Another option is to run a wire to pin 1 of IC4*
- Note: L23(AM), L59(USB), L22(LSB), will have to be readjusted for center slot on Voice-lock control.
5. SSB Power VR11
  6. AM Modulation: Cut collector of TR24 or remove.
  7. AM Power: VR10
  8. Transmitter alignment: L47, L48, L46, L45, L38. Do not touch L36 (TVI).
  9. You can change TR36 and install a 2SC1307 final.
  10. Remove R418 and all wires from Bright-Dim switch.
  11. Tie red and black wires together, tape back white one.
  12. Remove wires from tone switch, tape both back.
  13. Connect ground (Pin 18 of PLL) to center terminal of both Tone and Bright-Dim switches.
  14. Connect pin 10 of PLL to tone switch and pin 11 of PLL to Bright-Dim switch.
  15. Modification complete

TONE SWITCH/HI will now go from 27.605 to 28.045

LIGHT SWITCH/BRT - TONE SWITCH/HI will now go from 27.455 to 27.725

LIGHT SWITCH/ BRT will now go from 26.815 to 27.005

NOTE: FOR WIDEBANDING AND UPDATE INFORMATION REFER TO SECRET CB VOLUME 10, pages 72 & 73.

(Corrections made for this printing.)

*To wideband, remove C207. Change R206 to a 47K ohm resistor. For more VCO Range, make a cut on pin 6 trace of IC2 VCO and install a Super Clarifier Diode across the cut with cathode towards pin 6*