

SPECIFIC RADIO MODIFICATION

COBRA 138XLR/139XLR

- (1) It is possible to obtain 32 extra channels. Refer to modification sheet "A".
- (2) This radio will slide 5KHz, by modification to the "VOICE LOCK".
- (3) Power/modulation increase:
 - (a) VR-8, adjust for maximum power on AM, while checking forward modulation.
 - (b) CT-7, adjust for maximum sideband output.
 - (c) VR-7, (automatic modulation control, AM) adjust for maximum modulation.
 - (d) VR-2, controls RF gain level.
 - (e) VR-3, controls squelch level.
 - (f) VR-12, TX meter level control.
 - (g) VR-14, modulation meter level control.

COBRA 139

- (C) FOR MAX MODULATION REMOVE VR12 and solder a 2.2K Ω to the R127 side of VR12 TO GND
- (1) VR-12, automatic modulation control (AMC), tune for maximum modulation. *this Resistor ret the action of the MODULATION METER TO NORMAL.*
 - (2) VR-15, adjust for maximum power on S.S.B.
 - (3) Maximum output power on AM may be achieved by tuning the various inductive coils(ie: L-12). *15WATTS PLUS*

COBRA 29XLR

- (1) L-15, L-16, L-17, tune for maximum AM power.
- (2) VR-5, tune for maximum modulation.
- (3) VR-4, controls RF meter adjustment.
- (4) VR-1, controls S- meter adjustment.
- (5) VR-6, controls modulation meter adjustment.

COBRA 21XLR

- (1) L-15, L-16, L-17, tune for maximum AM power.
- (2) RT-4, tune for maximum modulation.
- (3) RT-2, controls S-meter adjustment.
- (4) RT-5, controls RF meter adjustment.

NOTE: On some models of Cobra radios, such as the Cobra 139, a crystal box capable of 27.800 MHz plus can be attached, for further modifications. Refer to crystal reference charts and various box drawings.

BROWNING MARK IV (GOLDEN EAGLE)

- (1) The famous "Screaming Eagle" sound can be added by locating the large capacitor closest to the front panel. This is a 2 Mfd @ 450 volts. Replace this with a 20 Mfd @ 450 volts, to create the sound.