

TRANSMITTER/RECEIVER OPERATION cont'd.

In SSB Mode, the signal is fed to TR10 which operates as a demodulator. A signal from the carrier oscillator is necessary for this; the clarifier must be "user adjusted" for best audio intelligibility. The signal is then routed to the AF Power Amp, IC4 via TR11 (Squelch Switch) and TR36 (AF Driver). It is then sent to the speaker.

AGC:

IC1 is the AGC amp. The processed signal is switched by TR8 and TR9 and fed to TR14 and D13/D14 which adjusts the IF and RF gain respectively. Part of the signal from IC1 also goes to the squelch control circuit (TR11).

TRC 448 VSB-1 HOOK-UP

COMPRESSOR:

1. Remove C95.
2. Solder Black wire to + side of hole.
3. Solder White wire to other hole.
4. Remove AMC control Q14.

(C95 is a 1 ufd. close to Q15.)

EXPANDOR:

1. Remove C274 (.022).
2. Solder Black wire towards collector of Q210.
3. Solder White wire towards R253.

No Pre-Amp needed.