

TECH. TIPS

Cobra 142GTL: Modulation - Remove TR32 and R186, will open it up!

PL102A: Modulation - Remove the adjust pot VR2/102 and R166/58 (these reference numbers depend on the PCB). The latter located next to audio chip heat sink.

Jackson (Export): Modulation - Remove TR26, will give some additional audio, but will not open it up all the way...

SQUEAL CURES

by D.A.

The only time you would expect a squeal is when you have a 'power mike' - here are some simple remedies:

Squeal from speaker in transmit when mike volume turned up... Use a 12V SPST relay. Connect one end of coil to the switched 12VDC at the On-Off switch. The other end of coil goes to either of the following.

- A. If relay is normally open hook it to the receive control of the mike plug inside the radio.
- B. If relay is normally closed hook it to the transmit control of the mike plug inside the radio.

Then disconnect one of the speaker wires, hook it to one side of the switch on the relay. The other side of the switch is wired back to where the wire was taken off the speaker.

SPECIAL NOTE: Before you attempt any of the above check to be sure that is the real source of squeal, by removing a wire from speaker.

Squeal on receive when mike volume is turned up... Same procedure as above with the following changes for 'A' and 'B': Relay normally open, hook it to transmit control. Relay normally closed, hook to receive control. Follow same procedure as above in hooking up mike audio input to relay switch. "Object of this is to physically disconnect the audio wire when not transmitting." **NOTE:** Same as above, disconnect first to be sure that is problem.

(ED. Note: Also consult SCB Vol. 3, pgs. 26-32.)