

Service Bulletin

7100 Technology Drive
West Melbourne, FL 32904
1-800-422-6281

Issue: Difficulty adjusting “Line to TX Audio Level” and “RX Audio to Line Level”.

Affected Models: LZA 2027 Tone Termination Panel

Recommended Action: Perform the corrective action outlined in this bulletin if your unit exhibits this condition.

NOTE: A parts kit for this modification may be obtained from the RELM Wireless Service Department by calling 1-800-422-6281

References: LZA2027 Tone Termination Panel Instruction and Programming Manual, P/N 0300-30944-900, Rev. 12-02

Parts and Equipment Requirements:

- 1 - 100K (RELM p/n 4704-00104-032)
- 1 - 10K (RELM p/n 4704-00103-032)
- 1 - Low wattage soldering iron.
- 1 - Phillips head screwdriver; #0 tip.

Procedure:

1. Disassemble as stated in section 2.4 of the LZA2027 Tone Termination Panel Instruction and Programming Manual.
2. Modification (See Fig. 1 for parts placement)
 - a. Replace R69 with 100K (RELM p/n 4704-00104-032)
 - b. Replace R80 with 10K (RELM p/n 4704-00103-032)
3. If Technical Service Bulletin #1014 has not been implemented, it is recommended to do so now. Skip step 4.
4. If Technical Service Bulletin #1014 has been implemented, then do the follow adjustments (See Figure 1 for parts placement):
 - a. RX Audio to Line Level - While injecting a standard input signal from your RF generator (-60dBm RF, 3kHz wideband mode or 1.5 kHz narrowband mode deviation of 1kHz tone), adjust R92 until 0.24Vrms (-10dBm) is measured on the remote line.
 - b. Line to TX Audio Level - While transmitting and modulating into the remote handset, adjust R90 until the deviation starts to limit just above 4kHz. Do not exceed 5kHz.



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5. Re-assemble as stated in section 2.4 of the LZA2027 Tone Termination Level Instruction and Programming Manual.

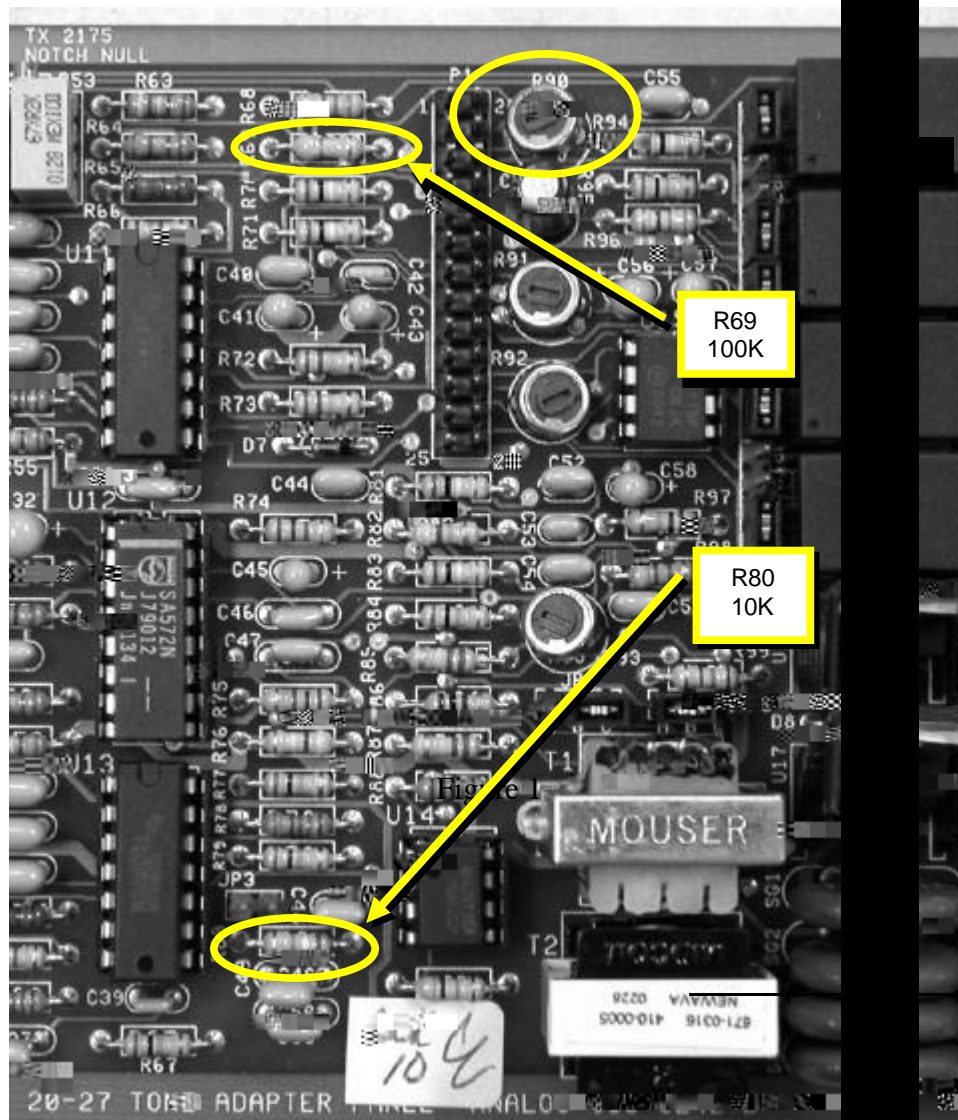


Figure 1 – Parts Placement