

KENWOOD

ASB-1048

Service Bulletin

Amateur Radio Division

Subject: TH-78AT IMD Improvements
2006

Date: December 5,

Symptom:

When the transceiver is subjected to a strong electric field, such as might be encountered near an FM Broadcast station, TV Transmitter, or near Land Mobile repeater sites, the sensitivity might be lowered, scanning operation may become difficult or impossible, distortion of the desired signal may be encountered or problems with the S-Meter circuit may become apparent.

Countermeasures:

Change the components indicated in the chart and accompanying diagram on the TX-RX Unit (X57-4090 B/4) will reduce mixer currents and reduce the bandwidth of the Band Pass Filter (BPF) circuit.

Parts Required:

Qty	Description	Old Part No.	New Part No.	Circuit Description
1	1 k Ohm chip resistor	RK73GB1J391J	RK73GB1J102J	R80
1	3.3 k Ohm Chip resistor	RK73GB1J392J	RK73GB1J332J	R81
1	3pF Chip capacitor	CC73GCH1H010C	CC73GCH1H030C	C100
1	18pF Chip capacitor	CC73GCH1H330J	CC73GCH1H180C	C116
1	10pF Chip capacitor	CK73GB1H102K	CC73GCH1H100D	C155

Caution: This modification requires advanced surface mount soldering equipment that is rated for CMOS circuits. It also requires familiarity with advanced surface mount soldering techniques. If you do not have the proper equipment or knowledge do not attempt this modification yourself. Seek qualified assistance from your closest Kenwood Service Center (Long Beach, CA, or Virginia Beach, VA).

Time required for this modification is 60 minutes or less.

Service code A:18 B:X57-4090B/4 C:R80 D:91

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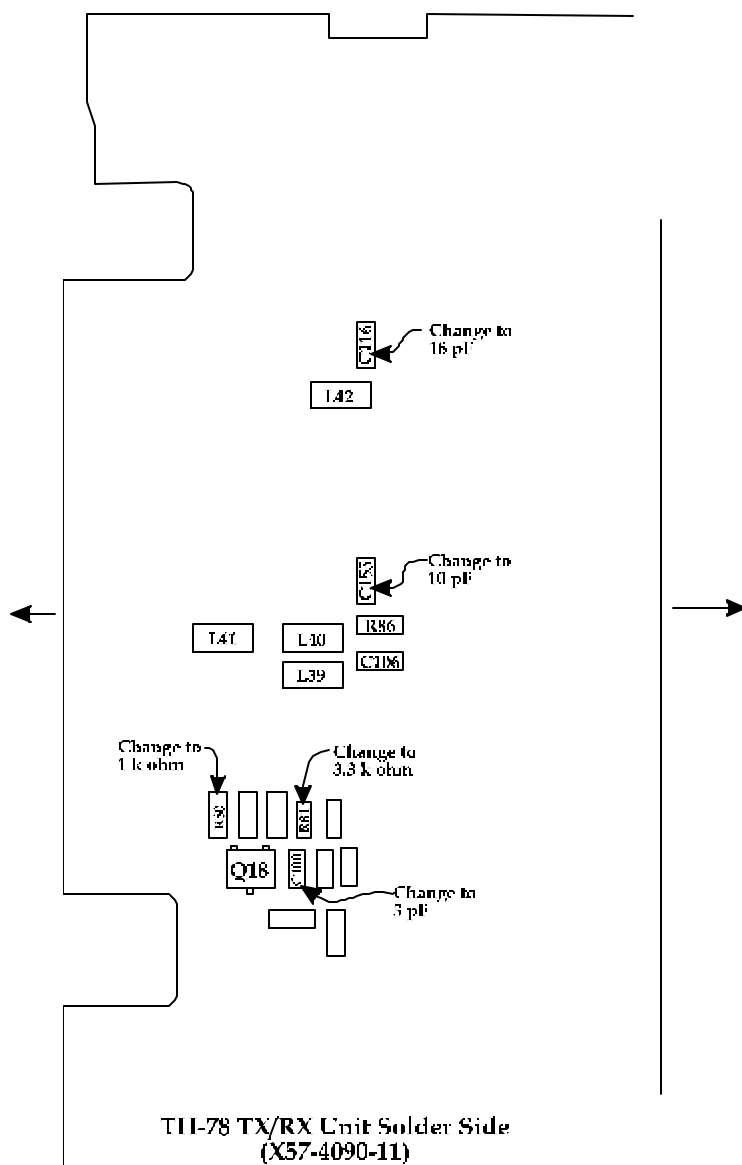
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