

Technical Bulletin

ICOM

IC-R71/R71AJ

GENERAL COVERAGE RECEIVER
GJ36783

SYMPTOM

Distorted receive and/or transmit audio on one or more bands. Audio may cut out completely. Distortion may be temperature related. Single sideband audio sounds "raspy" or "rough". Selected frequency may show instability.

CAUSE

The trimmer caps in the PL unit may have aged and changed values.

REPAIR

Replace the following trimmer caps:

C78	10pf	with an Icom # 4610000110 12pf unit VCO cap (white)
C88	10pf	with an Icom # 4610000110 12pf unit VCO cap (white)
C97	6pf	with an Icom # 4610000100 6pf unit VCO cap (red)
CI07	6pf	with an Icom # 4610000100 6pf unit VCO cap (red)

We recommend that you remove the excessive sealing wax from around replacement trimmer caps to prevent future contamination. We also recommend that you check the REG unit circuit board for cracked or cold solder joints. The circuit is adjacent to the PL unit.

The replacement trimmer caps are long-life ceramics. A partial realignment is required after these trimmers are replaced. See Service Manual for procedure.

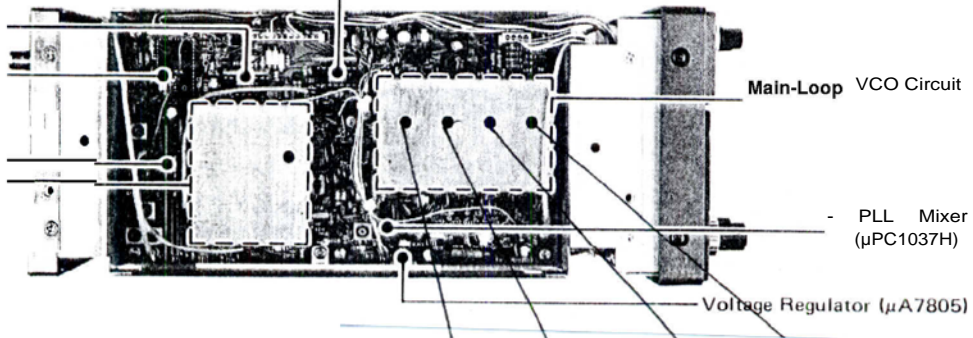




Programmable Divider (M54929)

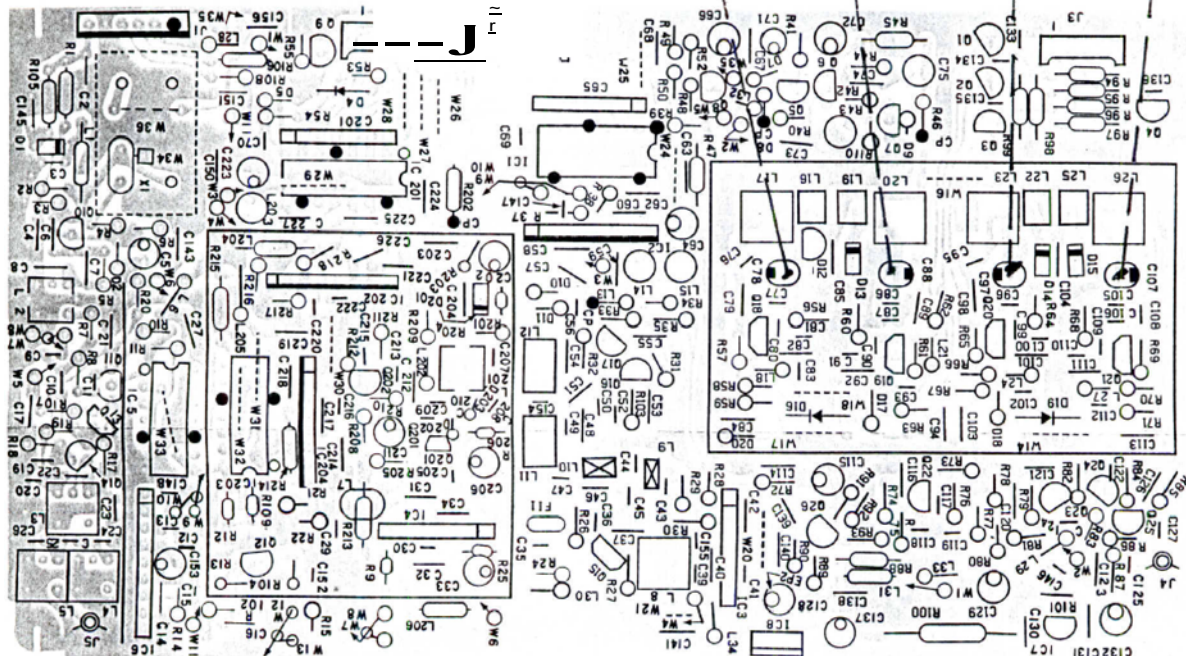
Programmable Divider (M54929)
Reference Frequency Crystal (30.72MHz)

Divider (74 LS901 Sub-Loop VCO Circuit)



PLL Board

C78 C88 C97 C107



REG Unit