

Collins Telecommunications Products Division/Rockwell International

KWM-380 TRANSCEIVER (622-5093-001, -101)
HF-380 TRANSCEIVER (622-3580-001, -101)

SERVICE INFORMATION LETTER 3-84

PRODUCT IMPROVEMENT

POWER AMPLIFIER/HEAT SINK ASSEMBLY A1 (634-8481-003)
POWER AMPLIFIER CIRCUIT CARD ASSEMBLY A1A1 (638-6775-001)

PURPOSE:

To reduce spurious emissions from the power amplifier.

EQUIPMENT	APPLIES TO SERIAL NUMBER	PRODUCTION CUT-IN SERIAL NUMBER
KWM-380 622-5093-001, -101	All units	2250
HF-380 622-3580-001, -101	All units	1250

SYMPTOM:

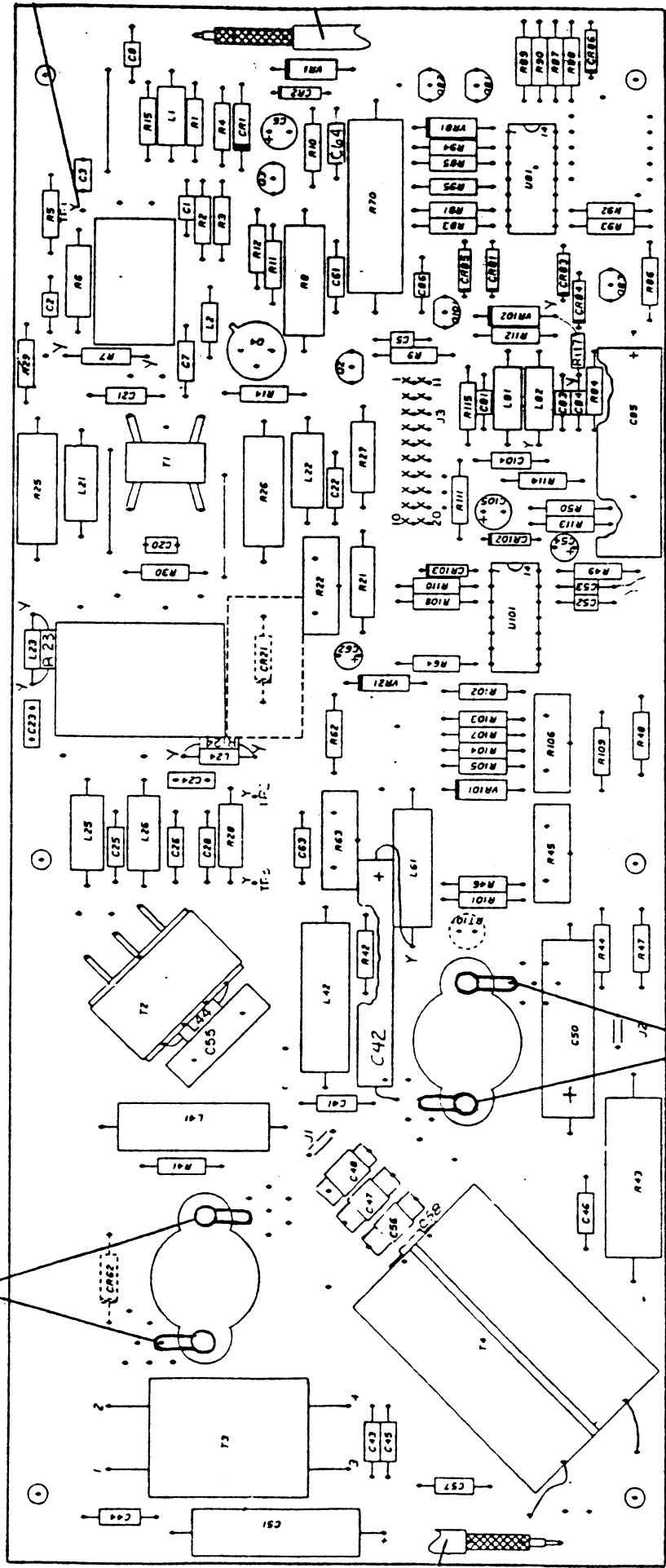
Complaints of television interference (TVI). Hear interference in another receiver tuned to a frequency distant from the transmitting frequency.

SOLUTION:

1. Remove the dust cover to gain access to the A1 power amplifier assembly.
2. Remove 3 screws on both ends of the heat sink to allow access for removing shield cover over power amplifier A1A1 circuit board.
3. Loosen the mounting hardware for the output transistors Q41A/B and install 4 small ground lugs (part #304=0332-000), one under each nut. Place lugs as shown in the diagram and solder them to the emitter leads after tightening the hardware.
4. Replace A1A1 board shield cover, remount heat sink, check operation, and then replace dust cover.

CIRCUIT CARD ASSEMBLY A1A1 (638-6775-001)

LUGS



638-6775-001

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