SYMPTOMS

- "Plays by itself",
- Resets itself to Preset #1,
- "Freezes" or "Locks Up", making it necessary to turn the power off and on to reset it,
- Looses memory even though the battery soldering is good,
- Occasionally detunes oscillators,
- Various other symptoms which appear intermittent and/or vibration sensitive.

CAUSE

Surface oxidation of the 5 volt digital regulator leads. U3 on the Power Supply Board.

CURE

Remove U3 (7805), clean the leads with a pencil eraser and re-install. U3 is located under the row of connectors on the Power Supply and it is recommended that the leads of U3 be cleaned on all units returned for service.

CONCLUSION

Cleaning the leads of U3 appears to be a permanent cure. Please note the MANUFACTURER AND DATE CODE of the particular regulator when one of the above symptoms surfaces and advise us so for continuing reliability evaluation.
NOTES:
1. UNLESS OTHERWISE SPECIFIED - ALL RESISTORS ARE IN OHMS 1/4W, ±5%
   ALL CAPACITORS ARE IN MFD (µF)

COMPONENT BANDING

VOLUME
P42-5 BRN
P23-6
P42-4 BLU
P23-7
P42-1 ORG
P23-7
P42-10 GRN
P15-10

THE SOURCE DISPLAY PRINTED CIRCUIT BOARD SCHEMATIC

BOARD 4