

# Service Bulletin

Amateur Radio Division

**Subject:** TS-50S Lithium Battery Replacement Notes**Date:** May 10, 1993**Procedure:**

Immediately after replacing the Lithium battery you must cycle the radio ON then OFF. Failure to follow this procedure will result in premature failure of the battery. If the power is not cycled ON then OFF the microprocessor will immediately begin drawing approximately 1 mA of power from the Lithium battery, resulting in poor battery life.

When the battery is replaced we recommend the insulation sheet also be changed. Part numbers for the battery and insulation sheet follow.

**Parts Required:**

Qty	Description	Kenwood Part No.	Circuit Description
1	Lithium Battery	W09-0515-05	BA1
1	Insulating Sheet	F20-0521-04	--

**Caution:** This modification requires soldering equipment rated for CMOS type circuits. It also requires familiarity with surface mount soldering techniques. If you do not have the proper equipment or knowledge do not attempt this modification yourself. Seek qualified assistance.