

SECTION 1 - SERVICING

1. Preventive Maintenance Procedures

Contains routine maintenance instructions for cleaning and inspecting the Test Set.

CAUTION: DISCONNECT POWER FROM TEST SET TO AVOID POSSIBLE DAMAGE TO ELECTRONIC CIRCUITS.

A. External Cleaning

STEP	PROCEDURE
1.	Clean front panel and display face with soft lint-free cloth. If dirt is difficult to remove, dampen cloth with water and mild liquid detergent.
2.	Remove grease, fungus and ground-in dirt from surfaces with soft lint-free cloth dampened (not soaked) with isopropyl alcohol.
3.	Remove dust and dirt from connectors with soft-bristled brush.
4.	Cover connectors, not in use, with suitable dust cover to prevent tarnishing of connector contacts.
5.	Clean cables with soft lint-free cloth.
6.	Paint exposed metal surface to avoid corrosion.

B. Internal Cleaning



CAUTION: DO NOT MOVE COMPONENTS ON CIRCUIT BOARDS OR DISASSEMBLE CONNECTORS NEEDLESSLY TO AVOID POSSIBLE DAMAGE.

CAUTION: DO NOT OPEN COMPLEX INTERNAL MODULES FOR THE SOLE PURPOSE OF CLEANING AND INSPECTION.

Remove dust with hand-controlled dry air jet of 15 psi (1.054 kg/cm²) and wipe internal chassis parts and frame with soft lint-free cloth moistened with isopropyl alcohol.

C. Visual Inspection

STEP	PROCEDURE
1.	Inspect Chassis for: <ul style="list-style-type: none">● Tightness of sub-assemblies and chassis mounted connectors.● Corrosion or damage to metal surfaces.
2.	Inspect Capacitors for: <ul style="list-style-type: none">● Loose mounting, deformities or obvious physical damage.● Leakage or corrosion around leads.
3.	Inspect Connectors for: <ul style="list-style-type: none">● Loose or broken parts, cracked insulation and bad contacts.
4.	Inspect Circuit Boards for: <ul style="list-style-type: none">● Corrosion or damage to connectors.● Damage to mounted components including crystals and ICs.● Freedom from foreign material.
5.	Inspect Resistors for: <ul style="list-style-type: none">● Cracked, broken, charred or blistered bodies.● Loose or corroded soldering connections.
6.	Inspect Semiconductors for: <ul style="list-style-type: none">● Cracked, broken, charred or discolored bodies.● Correct placement and condition of seals around leads.
7.	Inspect Wiring for: <ul style="list-style-type: none">● Broken or loose ends and connections.● Proper dress relative to other chassis parts. <p>NOTE: Verify wrapped wiring is tight.</p>