



Sinneslösch

SYSTEMS CORPORATION

CLEAR SIGNALS. RELIABLE SYSTEMS.

SERVICE BULLETIN

SL-9806 Display Harness Inspection

Service Bulletin - Early Production Modular Control Terminals

Document: SB-98-006

Revision: A

Date: May 4, 1998

ACTION CLASS: INSPECT AT NEXT SCHEDULED SERVICE INTERVAL

This bulletin applies to selected early-production SL-9806 Modular Control Terminals. The inspection verifies that the internal CRT display harness is retained clear of the right-side chassis stiffener and power-supply shield. Units operating normally do not require immediate shutdown.

1. Applicability

Inspect SL-9806 terminals meeting any of the following conditions. If configuration records are unavailable, inspect the harness during the next scheduled service opening.

Condition	Inspection Required
Serial numbers 9806-00117 through 9806-00342	YES
Display harness P/N 44-9806-011 Rev. A	YES
Units reworked to harness Rev. B with service label	NO - verify label
Later production with clip bracket P/N 18-9806-044	NO

2. Required Tools

- #2 Phillips screwdriver and 1/4-inch nut driver.
- Nonconductive inspection light.
- Cable tie P/N 72-0041 or equivalent approved nylon tie.
- Harness clip P/N 18-9806-044 if corrective action is required.
- Service label SB-98-006-A for completed rework.

3. Safety

Disconnect AC mains and allow the CRT/high-voltage section to discharge for a minimum of five minutes before removing the rear service cover. This bulletin does not authorize servicing of the CRT high-voltage assembly.

4. Inspection Procedure

1. Shut down the operating system and switch the terminal OFF. Disconnect the AC power cord and all external interface cables that prevent safe access.
2. Remove the rear service cover. Do not disturb the CRT anode lead, flyback transformer, or neck-board wiring.
3. Locate display harness 44-9806-011 between the display controller and CRT interface assembly. Confirm that the harness passes to the inside of the chassis stiffener.
4. Inspect the full visible harness length for abrasion, flattened insulation, exposed conductor, heat discoloration, or evidence of contact with the power-supply shield.
5. Measure clearance at the closest point. A minimum free clearance of 6 mm is required with the cover removed and the harness in its natural position.
6. If clearance is less than 6 mm, install clip 18-9806-044 at the existing chassis hole and secure the harness without twisting the connector bodies.
7. If insulation is damaged or copper is visible, replace the harness. Do not repair the harness with tape or heat-shrink tubing in the affected bend area.
8. Reinstall the cover, reconnect the system, and perform the display verification below.

5. Display Verification

- Power on the system and confirm normal CRT raster acquisition.
- Run the SL-9806 display diagnostic pattern for at least 10 minutes.
- Verify no intermittent blanking, color shift, sync loss, or image movement while gently flexing only the external service cover area.
- Record bulletin completion in the system service log.

6. Corrective Action and Service Record

Inspection Result	Action
Harness correctly routed; ≥ 6 mm clearance; no damage	No rework. Record inspection.
Harness undamaged but clearance < 6 mm	Install clip 18-9806-044 and secure harness.
Abrasion or insulation damage without exposed conductor	Replace harness at next service opportunity; do not return to unattended service if damage progresses through jacket.
Exposed conductor, heat damage, or connector deformation	Replace harness before return to service; inspect adjacent chassis surfaces.

7. Parts

Part Number	Description
44-9806-011	Display harness assembly - current replacement revision B or later
18-9806-044	Harness retaining clip
72-0041	Approved nylon cable tie
SB-98-006-A	Service completion label

8. Documentation

Enter the inspection date, technician initials, harness revision, corrective action, and final verification result in the system service record. If the unit is covered by a Sinneslöschen service agreement, include the applicable support case or RMA number.

Revision History

Rev.	Date	Description
A	05.04.98	Initial release. Inspection procedure for selected early-production SL-9806 display harness routing.