

UMC 800 Operator Interface Inverter Board Replacement Instruction

Inverter Board Kit (Part Number 51404597-501)

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Summary Enclosed is a new inverter board for the Operator Interface (OI) of your UMC 800 Controller. Use the following procedure to replace it.

WARNING Never access components inside the operator interface with power applied.

CAUTION This equipment contains devices that can be damaged by electrostatic discharge. It is imperative that assemblies containing static-sensitive devices be carried in conductive plastic bags. When adjusting or performing any work on such assemblies, grounded work stations and wrist straps must be used.

Tools Needed You will need a small Phillips-head screwdriver to perform this procedure.

Component Location Refer to Figure 1 for the location of the inverter board and Table 1 for the replacement procedure.

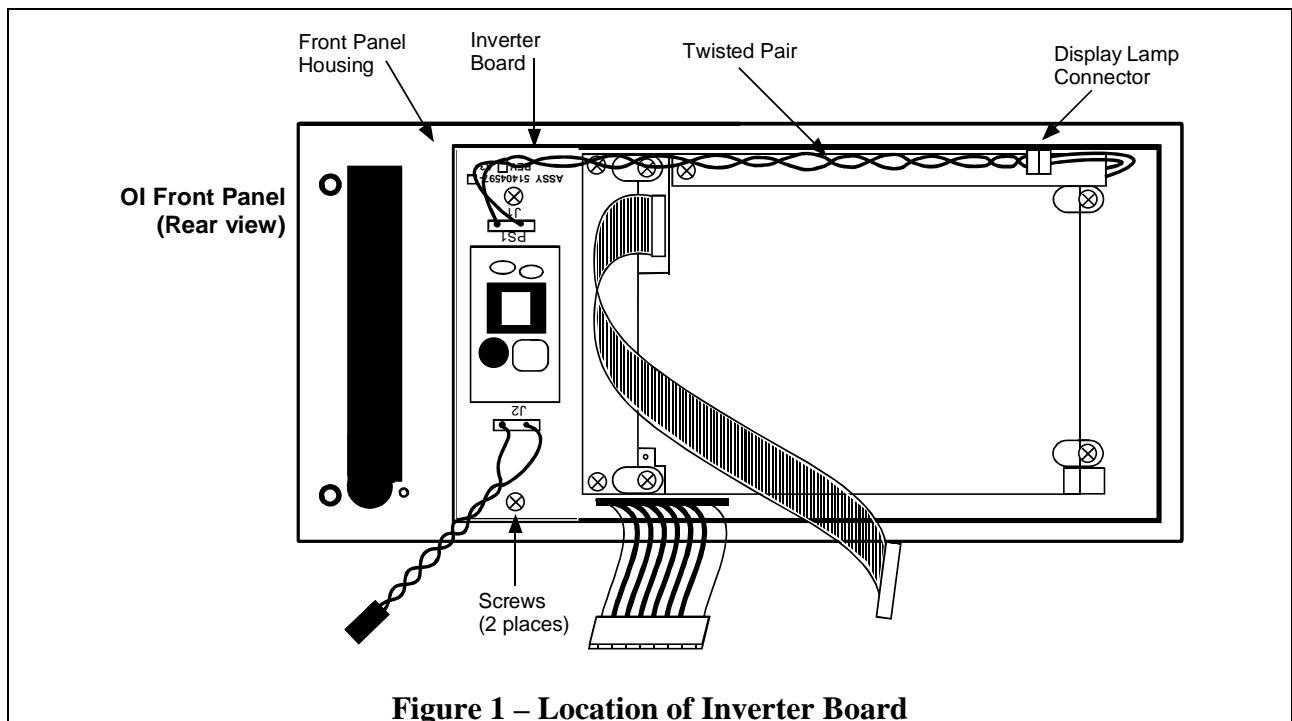
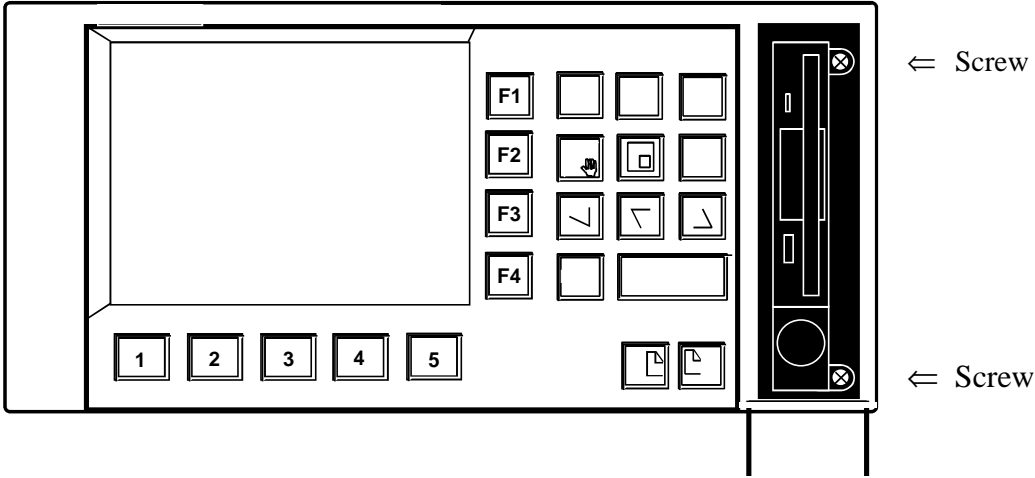


Figure 1 – Location of Inverter Board

Replacement Procedure Follow the procedure in Table 1 to replace the inverter board in the operator interface.

Table 1 – Inverter Board Replacement (Refer to Figure 1.)

Step	Action
1	Open the door on the righthand side of the OI unit. If OI is equipped with a disk drive, press the button on the front to eject the diskette from the disk drive.
2	Remove power from the operator interface by removing the cable from the back of the unit.
3	<p>Remove the front cover by removing two screws at the right, next to the disk drive. See figure.</p> 
4	Angle the right side of the front panel away from the unit and release it from the hinge at the left.
5	<p>Unplug the following cables from connectors on the CPU board and remove the front panel.</p> <ul style="list-style-type: none"> a) OI display cable from J1. b) Keypad cable from J2. c) Twisted pair cable from J9.
6	Unplug the twisted pair cable from the display lamp connector.
7	Remove two screws attaching the inverter board to the front panel housing.
8	Install the replacement inverter board in the front panel housing and secure with two screws.
9	Plug the twisted pair cable from the inverter board to the lamp connector.

Procedure continued on next page

Table 1 – Inverter Board Replacement. (Refer to Figure 1.), continued

Step	Action
10	Plug in the cables from the front panel to the following connectors on the CPU board: <ul style="list-style-type: none"> a) Twisted pair cable to J9. b) Flat ribbon cable to J2. c) Gray ribbon cable to J1.
11	Reattach the front panel to the OI housing by hooking the tabs on the left side of the front panel and securing it on the right side with two screws.
12	Plug in the DISPLAY cable from the controller into the OI connector at the rear of the housing.
13	Power up the controller. Look for start up screen. Access the SELF-TESTS* screen under the Unit Menu. Perform the KEYBOARD TEST and DISPLAY TEST to verify OI operation.

* See *UMC 800 Operator Interface User Guide*, Document Number 51-52-25-62 for more information on OI self tests and OI operation.