

I/O Silver Board Replacement Procedure

CAUTION This procedure should NOT be attempted in a rainy environment!

Remove the I/O Silver Board

1. Shut off AC power to FMU, all connected dispensers, connected Tank Monitor Unit, and, if applicable, all connected FMUs.
2. Unlock and open Pedestal door.
3. Remove lower electrical access cover.
4. Disconnect all ribbon cables and plugs from the I/O Silver Board.
5. Remove the I/O Silver Board mounted over the Pedestal I/O Board on six standoffs.

Replace the I/O Silver Board

1. Ensure the AC power FMU, all connected dispensers, connected Tank Monitor Unit, and, if applicable, all connected FMUs is shut off.
2. Position the new I/O Silver Board over the Pedestal I/O Board, aligning holes in the I/O Silver Board with six aluminum standoffs in the Pedestal I/O Board.
3. Attach the I/O Silver Board to standoffs with 6 screws.
4. Reconnect the Direct Connect FMU. The 5-pin connector at the end of the RS-422 cable plugs into JP11, and the ribbon cable plugs into JP12.
5. Reconnect the Hard-wire Master/Satellite. The 5-pin connectors plug into JP1 through JP8, and the ribbon cable(s) plug into JP9 and JP10.

NOTE If the RS-232 cable is used to interface a Tank Monitor Unit with the FMU, the circuit board trace between E1 and E2 at the bottom of the I/O Silver Board must be cut.

6. Reconnect the Tank Monitor Unit connection. The 5-pin connector at end of RS-232 or RS-422 cable plugs into JP13, and the ribbon cable plugs into JP14.
7. Reapply AC power. The FMU should initialize and display:

FUELMASTER FUEL MANAGEMENT SYSTEM

INSERT KEY, HOLD 1 SECOND TO BEGIN

8. (Hard-wire Master/Satellite link) With Automatic/Manual Mode Switches in Automatic, use Prokee and perform test transactions on all hoses connected to the FMU with the new I/O Silver Board. Record hose, quantity, and time as test transactions are conducted. Query FMU to verify test transactions were accurately recorded. If applicable, review On-Site Printer Report. If hoses, quantities, and times match, repair was successful.
9. (Tank Monitor Unit connection) Ask Central Controller Operator to download a Tank Monitor Unit report. If report is received, the repair was successful.
10. (Direct Connect FMU) Ask Central Controller Operator to query FMU. If the connection is made, the repair was successful.
11. Return removed I/O Silver Board to Syntech Systems, Inc. using the return shipping ticket forwarded with replacement I/O Silver Board.

TIP

If any questions arise, contact Syntech Systems, Inc.'s Customer Satisfaction Center (CSC) at 1-800-888-9136, ext. 2, or email support@myfuelmaster.com.