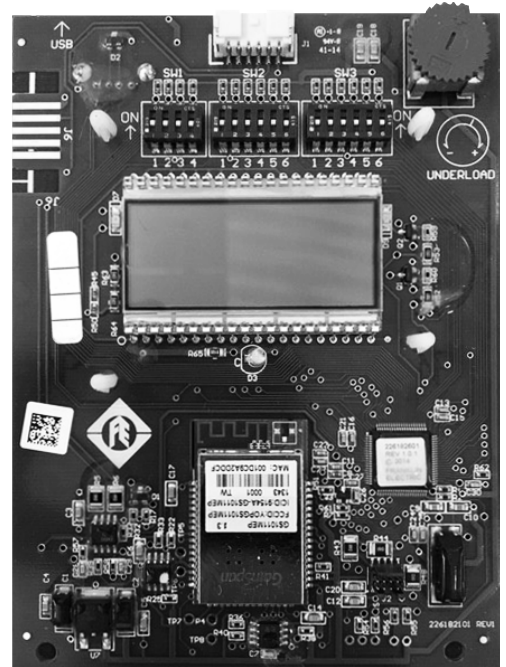


Display Board Replacement

Installation Manual
Kit No. 226540911



Before Getting Started

⚠ WARNING

Serious or fatal electrical shock may result from failure to connect the ground terminal to the motor, SubDrive/MonoDrive controller, metal plumbing, or other metal near the motor or cable using wire no smaller than the motor cable wires. To minimize the risk of electrical shock, disconnect the power before working on or around the SubDrive/MonoDrive system. **CAPACITORS INSIDE THE SUBDRIVE/MONODRIVE CONTROLLER CAN STILL HOLD LETHAL VOLTAGE EVEN AFTER POWER HAS BEEN DISCONNECTED.**

WAIT 5 MINUTES BEFORE REMOVING THE SUBDRIVE/MONODRIVE COVER TO ALLOW DANGEROUS INTERNAL VOLTAGE TO DISCHARGE.

Do not use motor in swimming areas.

⚠ ATTENTION

This equipment should be installed by technically-qualified personnel. Failure to install it in compliance with national and local electrical codes, and within recommendations of Franklin Electric, may result in electrical shock or fire hazard, unsatisfactory performance, and equipment failure. Installation information is available through pump manufacturers and distributors or directly from Franklin Electric at the toll-free number 1-800-348-2420.

⚠ CAUTION

The SubDrive/MonoDrive should only be used with Franklin Electric 4-inch submersible motors. Use of this unit with any other Franklin Electric motor, or with motors from other manufacturers, may result in damage to both the motor and electronics. In applications where water delivery is critical, a replacement pressure sensor and/or back-up system should be readily available if the drive fails to operate as intended.

Tools and Hardware Required

Installation of the pressure input board requires a screwdriver and needle-nose pliers.

Purpose

The display board replacement kit provides a degree of repairability for SubDrive/MonoDrive NEMA 3R models that have experienced damage to the display module, underload sensitivity knob, or other components of the display board assembly.

Installation Procedure

⚠ WARNING

DISCONNECT POWER AND WAIT 5 MINUTES BEFORE REMOVING THE DRIVE COVER TO ALLOW DANGEROUS INTERNAL VOLTAGE TO DISCHARGE

1. Remove the drive cover.
2. Disconnect the wire harness from the display board (Figure 1).
3. Using needle-nose pliers, squeeze the plastic retaining posts inward and pull up on the display board. Repeat for the three remaining posts (Figure 2).
4. Gently pull up on the display board to release it from the four plastic posts (Figure 3).

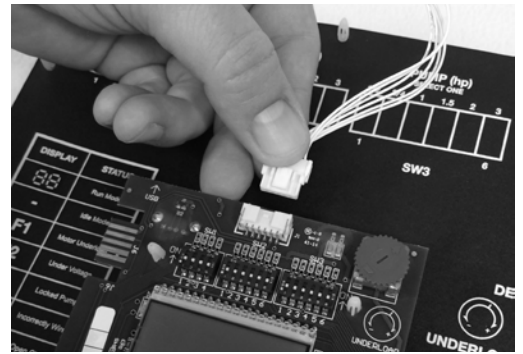


Figure 1

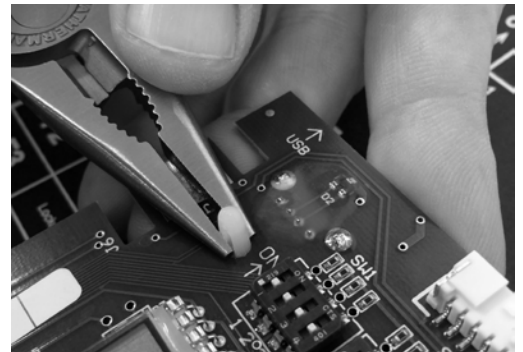


Figure 2

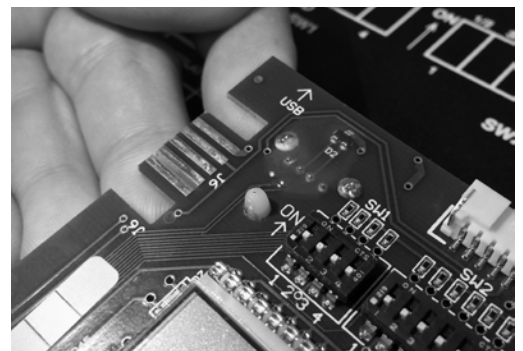


Figure 3

Installation Procedure (Cont.)

5. Install the replacement display board by lining up the holes with the four plastic retaining posts and press down until it is fully seated (Figures 4A, 4B, and 4C).

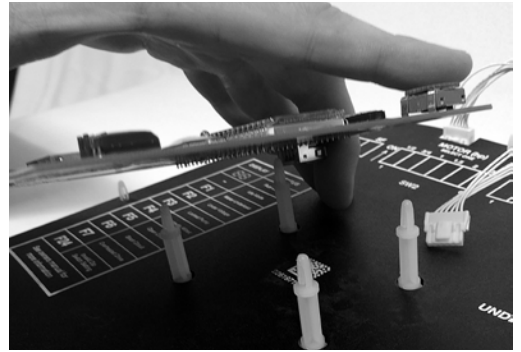


Figure 4A

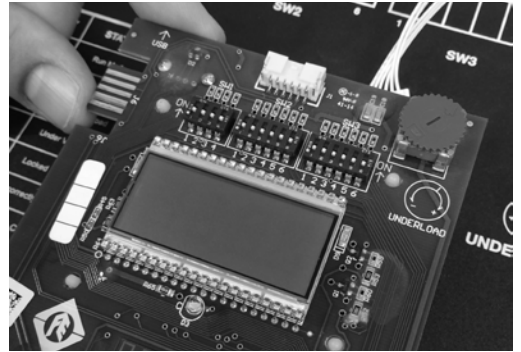


Figure 4B

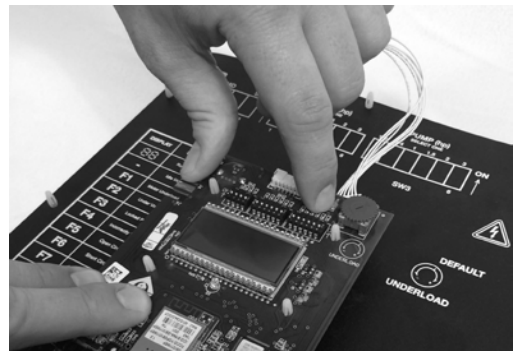


Figure 4C

6. Reconnect the wire harness on the display board. Slightly tug on the wire harness to make sure the wire harness is fully seated (Figure 5).
7. Adjust the DIP switches and underload sensitivity knob to match the settings from the display board that is being replaced. If the FE Connect mobile app was used to adjust the settings, the settings must also be adjusted on the new display board.
8. Replace the drive cover.

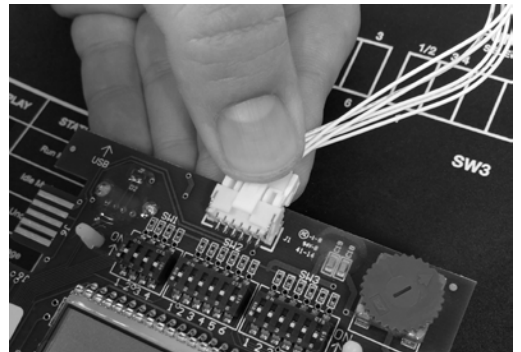


Figure 5

TOLL-FREE HELP FROM A FRIEND
Franklin Electric
Technical Service Hotline
800-348-2420



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