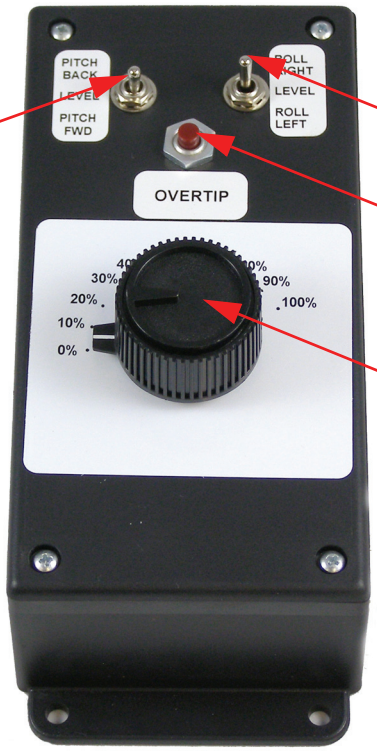
FLJ Digital Simulator Kit Instructions

1. This digital simulator kit was created to allow tabletop demonstrations of the FLI 424 and FLI 225 forklift indicators. The power supply, shown below, can be used to relocate the indicators to an office environment and the simulator can be used as a servicing tool.

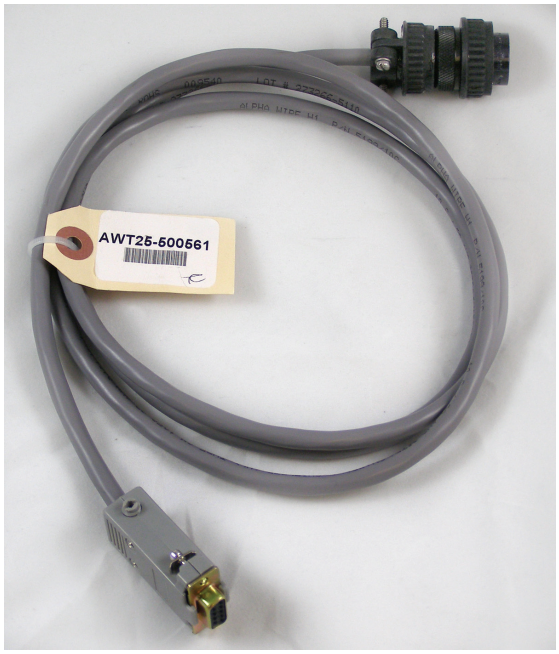
DC power supply

2. The simulator, shown below, can be used as a substitute for the entire FLSC scale carriage or used as a tool to validate individual components.



FLJ digital simulator

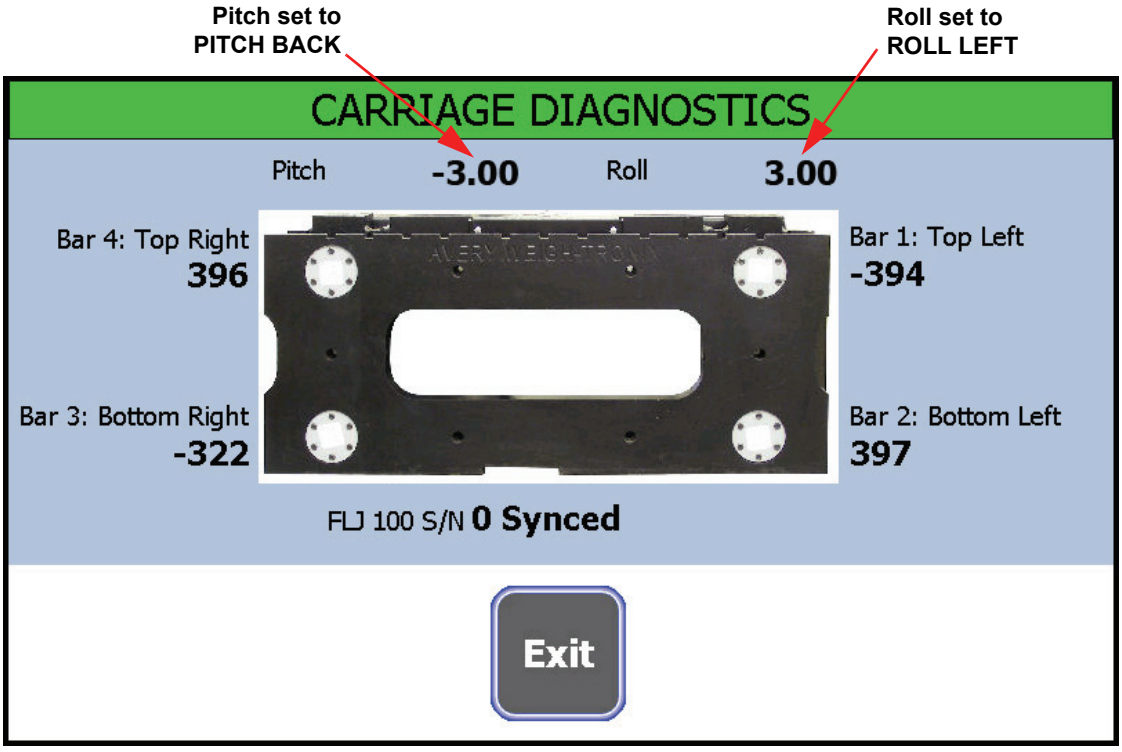
3. To substitute for the entire FLSC carriage, connect the simulator to the FLI 225 or FLI 425 digital scale input using the cable provided in the kit, shown below (PN AWT25-500561).



Cable PN AWT25-500561

4. Turn the knob on the simulator to simulate weight increasing and decreasing. The weight display should change on the indicator display or there maybe an issue with the indicator.

5. To further analyze the indicator or scale system, reference the appropriate indicator Service Manual and access the diagnostic screen. The FLI 425 screen is shown below. Use the switches and buttons on the simulator to simulate pitching and rolling of the scale and over-tilting the scale. This should be reflected on the diagnostic screen or there is a problem with the indicator.



FLI 425 Carriage diagnostic screen

6. If the indicator is functioning and an issue exists, now reconnect the interface cable to the indicator and disconnect the interface cable end connected to the digital junction box. Connect this end of the cable to the simulator and observe responses at the indicator as the weight value is changed on the simulator.

7. Once the indicator and interface components have been validated, the junction box can be tested. Disconnect all the Weigh Bars from the junction box. Use the cable shown below (AWT25-500752) and attach it to an analog weight simulator (PN 21265-0030). Attach the other end of the cable to each Weigh Bar input in turn and use the dial on the simulator to simulate weight.This will test each input port and the related circuitry within the junction box for that port.

Cable PN AWT25-500752

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