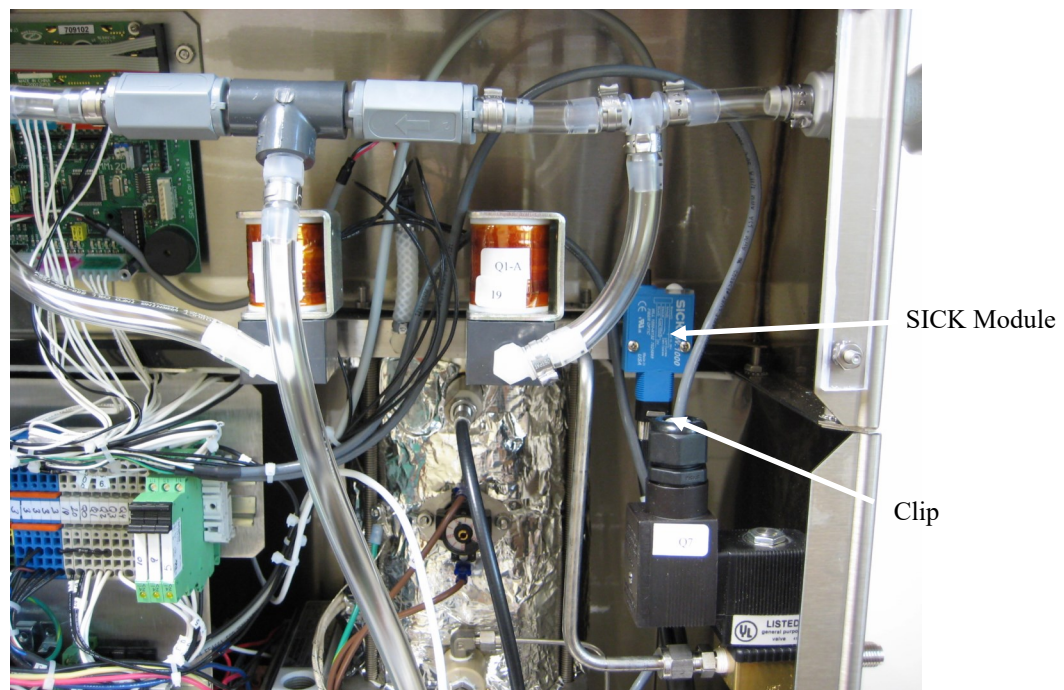


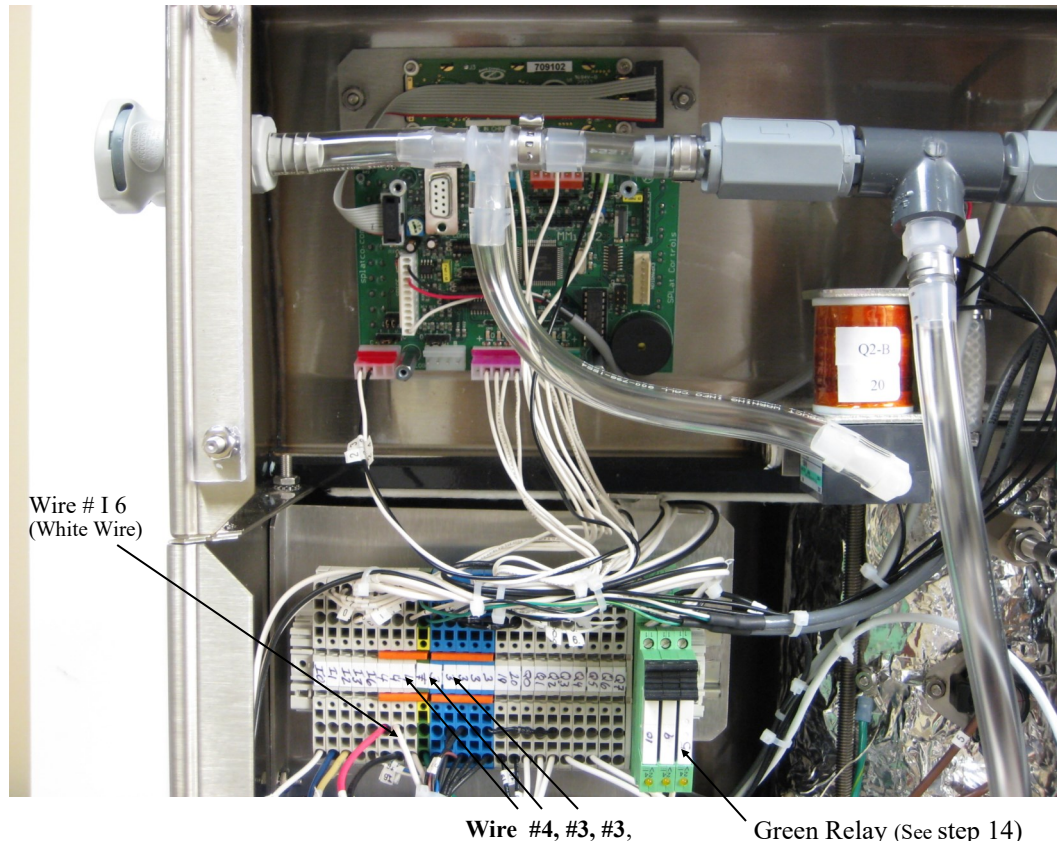
## Level Sensor (SICK) Component Replacement A2000/A2000I

### Replacing the SICK Fiber Optic Module:



1. Turn the A2000 off.
2. The SICK module is blue and located in the top right of the Instrument.
3. Unscrew the SICK module from the bracket.
4. Use the screwdriver to pop out the retaining clip that holds the 2 fiber optic cables in the socket. Don't lose the clip!
5. Remove the 2 fiber optic cables and insert them into the new SICK Module.
6. Pop the clip back in place to keep the cables from coming out. The clip snaps in. Make sure the fiber optic cables are fully inserted as the clip lines up with the groove on the cable ends.
7. There are 4 wires extending from the SICK module: #1 6 , #4, #3 and #3.

## Level Sensor (SICK) Component Replacement A2000/A2000I

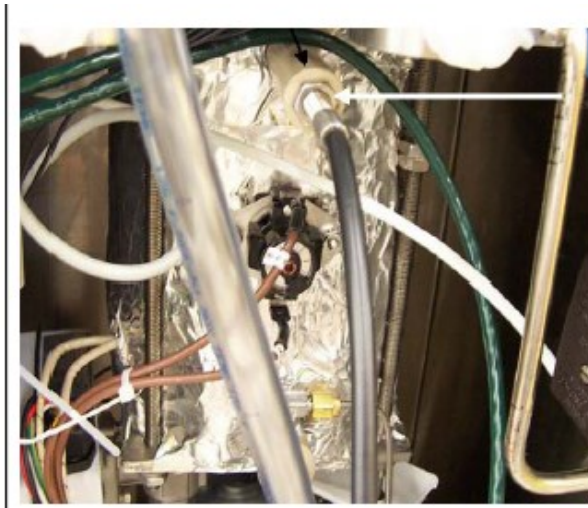
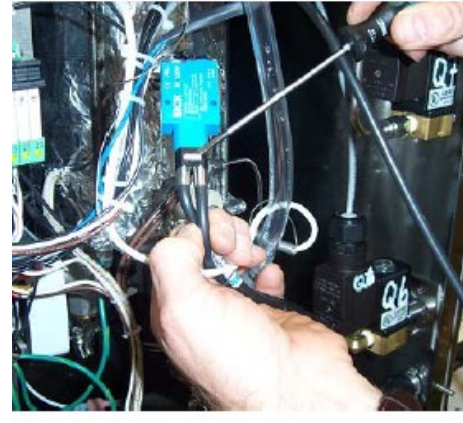


9. Remove the # I 6 wire from the gray wire terminal and replace it with the new wire from the new SICK module.
10. Repeat the process for the remaining 3 wires. To remove a wire from the terminal block, insert the provided screwdriver into the square hole directly next to the wire you want to remove. Don't push too hard but it should snap in to release the wire. While the screwdriver is still in place, insert the new wire with the same number. Remove the screwdriver. Lightly tug on each wire to test if it is securely in place.
11. Attach the new SICK module to the bracket. If you have an older unit, the SICK module attaches to the DIN rail next to the green relay.
12. Snap the bracket back in place to secure the module.
13. Turn the A2000 on. The module light should come on, indicating an EMPTY vessel.
14. Open the vessel and gently clean off the glass tip with detergent/water using a cotton swab. Fill the vessel with water and test to see if the module light goes off when the glass tip is submerged in water. You should hear the green relay "click" when the sensor detects water. See Service Procedure # 6 Testing Level Sensor Section. Do not retrain the level sensor.

## Level Sensor (SICK) Component Replacement A2000/A2000I

### Replacing the Glass Sensor Tip:

1. Using a screw driver, remove the clip holding the fiber optic cable in the sensor. Be careful not to lose the clip.
2. Unplug the fiber optic cable.
3. Follow the cable up to the plastic fitting in the vessel.
4. Gently unscrew the plastic fitting. (Allow the cable to turn freely.)



5. Replace the fitting/cable with the new fitting/cable. Be careful not to damage the glass tip protruding from the fitting.
6. Tighten the fitting firmly by hand in the vessel, then tighten the fitting 1/4 turn with a wrench which will compress the O-ring to make the seal.

**Reminder:**

The new glass sensor has to be used with the new fiber optic sending unit. Do not mix and match the two components.

7. See Test the Level Sensor Section in Service Procedure #6.