

## Replacing the DECKLIGHT Connector on an IST Touchpad or Backup Button

If you have a DECKLIGHT Touchpad or backup button that will not function in any lane in your pool, it could have a faulty DECKLIGHT Connector.

If the problem is with a backup button, first check the button end to be sure the button makes a solid click and returns to the proper starting position (compare with a known working backup button.) If the button appears to be working normally, proceed with the connector test below.

With the Computer Timing Interface connected to your DECKLIGHT wall plate or deck cable, plug the touchpad/backup button connector into a DECKLIGHT socket that you know is working. After 10 seconds, remove the connector and push on the pad or button while watching the end of the connector. See Photo 1. If you do not see a light flash, the connector should be replaced. Please follow these instructions.

### Parts provided:

- DECKLIGHT Connector with 2' long cable
- TYCO/AMP water resistant clamshell wire closure with 2 wire splices
- A second pair of hands is also very helpful!

### Tools required:

- Wire cutters
- Adjustable pliers

1. Using wire cutters, cut the wire to the faulty DECKLIGHT Connector in your touchpad or backup button as close to the connector as possible.
2. Using wire strippers or utility knife, cut 3" of the yellow insulation off the end of the pad/button cable and the cable on the replacement connector. BE CAREFUL not to cut the red or black insulation on the wires inside. Trim away the white filler material.
3. On one cable, trim the black wire to 3/4". On the other cable, trim the red wire to 3/4". See Photo 2.
4. It is not necessary to strip the wire ends. The wire splice pierces the insulation.
5. Bend the long red and black wires as shown in Photo 3. Insert both red wires into 1 wire splice. You should feel the wires hit the end of the splice so you'll know that they are in the correct position. (The splice is made for 2 or 3 wires—you can use any of the 2 of the 3 slots.)
6. Once you're sure the wires are in as far as possible, use the adjustable pliers in the wide position to clamp the splice over the wires. You will feel the splice snap into place when it's tight. DON'T over tighten as you could crack the splice. Repeat for the black wires.
7. One side of the clamshell wire closure has 2 wire guides on each end and the other side has one wire guide. See Photo 4.
8. Lay the connected wires onto the 2-guide side of the clamshell so the yellow insulation extends past the wire guides into the center area with the sealant. See Photo 4.
9. Holding the yellow wire in place, close the clamshell closure until it snaps.
10. To test the connection, plug the connector into a DECKLIGHT socket that you know is working. After 10 seconds, remove the connector and push on the pad or button while watching the end of the connector. You should see a flash, indicating that the connector is now working normally. See Photo 1. If you don't see a flash, please call International Sports Timing at 800/835-2611 for further instructions.



Photo 1 – look for light

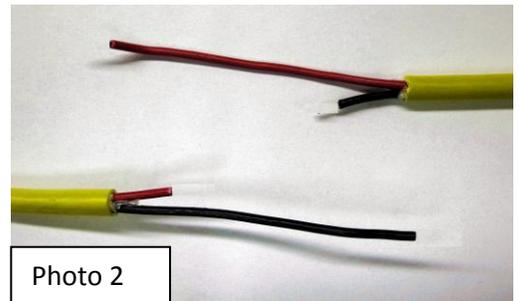


Photo 2



Photo 3

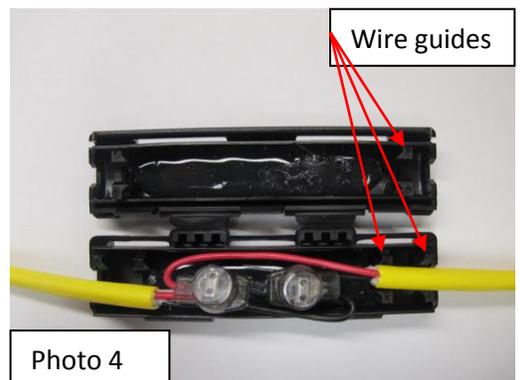


Photo 4