REPLACEMENT RELAY INSTALLATION MANUAL

REVISION 0

8/28/2023

WARNING:

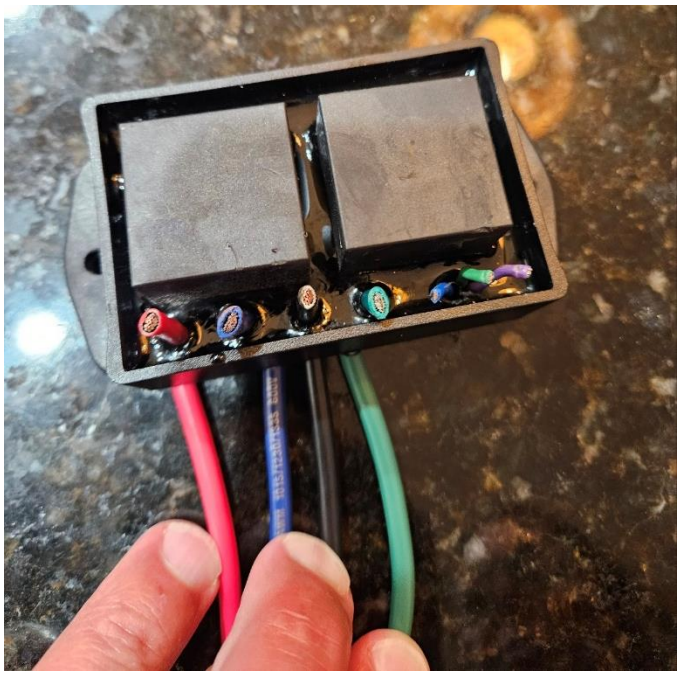
- Ensure that you have a fuse or breaker installed on the positive lead from the battery to your relays to prevent any fires or damage to your equipment. Most jackplates will draw 40-50 Amps of current and a 40-50A breaker or fuse is REQUIRED.
- Ensure that you have a separate fuse installed on the positive lead to your jackplate switch. Bobs and the large Atlas plates do not have a visible fuse on this lead, however our kit includes a fuse coming off of the relays. The smaller Atlas Micro has a separate fuse on the purple lead that should remain in place.

Tool Required:

- Wire Strippers
- Wire Cutters
- Insulated Butt-Connector Crimpers
- Heat Gun

Bob's and Large Atlas Jackplate Relay (Potted Relay) Instructions:

1. Cut the existing potted relay "tray" away from the existing jack plate harness.
2. Remove approximately 3" of sheathing away from the switch wiring bundle (three 18-gauge wires inside of black sheathing).
3. Strip all seven (7) wires back approximately 3/8"
4. Match the larger wires (10 AWG) color for color – red, black, blue and green.



5. Crimp the larger wires into the yellow 10/12 AWG heat shrink crimp connectors provided – DO NOT HEAT SHRINK YET.
6. Match the three remaining smaller wires (18 AWG) color for color, except for purple/red. Blue-to-blue, green-to-green, RED-to-PURPLE.

7. Crimp the smaller wires into the blue 14/18 AWG heat shrink crimp connectors provided – DO NOT HEAT SHRINK YET.
8. Apply power to the system and test.
    - If motion of the jack plate is reversed, the simplest course of action is to swap the blue and green connectors on the backside of your switch.
    - If this is not possible, swap the connection of the smaller blue and green wires – use new heat shrink crimp connectors or solder and heat shrink.
9. If motion is satisfactory, utilize a heat gun to shrink the heat shrink around the connectors for all wires. Start from the middle and work outward towards the ends while rotating to distribute heat and eliminate moisture.

TH Marine Atlas Micro Relay (Individual Relay) Instructions:

1. Cut the existing relays away from the existing jack plate harness.
2. Strip all ten (10) wires back approximately 3/8”
3. Match the larger wires (12 AWG) color for color – red, black, blue and green.
4. Crimp the larger wires into the yellow 10/12 AWG heat shrink crimp connectors provided – DO NOT HEAT SHRINK YET.
5. Match the four remaining smaller wires (18 AWG) color for color; blue-to-blue, green-to-green, black-to-black
6. Crimp the smaller wires into the blue 14/18 AWG heat shrink crimp connectors provided – DO NOT HEAT SHRINK YET.
7. Apply power to the system and test.

- If motion of the jack plate is reversed, the simplest course of action is to swap the blue and green connectors on the backside of your switch.
- If this is not possible, swap the connection of the smaller blue and green wires – use new heat shrink crimp connectors or solder and heat shrink.

8. If motion is satisfactory, utilize a heat gun to shrink the heat shrink around the connectors for all wires. Start from the middle and work outward towards the ends while rotating to distribute heat and eliminate moisture.