



## RIH3000R

### Keypad Overlay Replacement

#### Tools/Supplies Required

- Philips Screwdriver to remove front cover of RIH
- 5/16" Nutdriver, socket, or wrench to remove keypad assembly
- RTV Silicon to seal keypad assembly after installation of new

#### Replacement Instructions

1. Turn off CB1 in the JB20 electrical box connected to the RIH.
2. Carefully remove RIH Cover to expose inside of faceplate. **Note: after removing the screws around the RIH cover, you may have to gently pry the cover off from the bottom of the case. Caution: insert a flathead screw driver between the cover and the case no more than ¼ inch, just enough to pry the sealed cover loose. Damage to internal components could occur if not done carefully.**  
**Second caution: when removing the cover, do so slowly. Pay close attention to the RIH display ribbon cable. Do not let the ribbon cable come off of the display as it's difficult to realign.**
3. Disconnect the display ribbon cable from the motherboard after noting where it goes (do not remove the ribbon cable from the display itself).
4. Disconnect the keypad ribbon cable from keypad itself, no need to disconnect keypad cable from the motherboard.
5. Before removing the 4 nuts from the keypad, pay attention to the orientation of the washers and nuts. They must be installed in the same manner so the buttons will depress when pushed.
6. Use 5/16" tool to remove 4 nuts from the KB Circuit Board. Do not disconnect any wires from circuit board.
7. Use 5/16" tool to remove 4 nuts from the Keypad overlay assembly.
8. Remove the Keypad overlay assembly
9. Clean any excess silicon from the front plate surface.
10. Place the new Keypad overlay assembly in place and fasten tight.
11. Apply RTV silicon around the Keypad overlay assembly to re-establish a water proof seal.
12. Place the KB Circuit Board over the Keypad overlay assembly and fasten tight.
13. Place the RIH Front Plate back on the RIH case and tighten the Phillips head screws tightly.
14. Turn on CB1 and test each button.

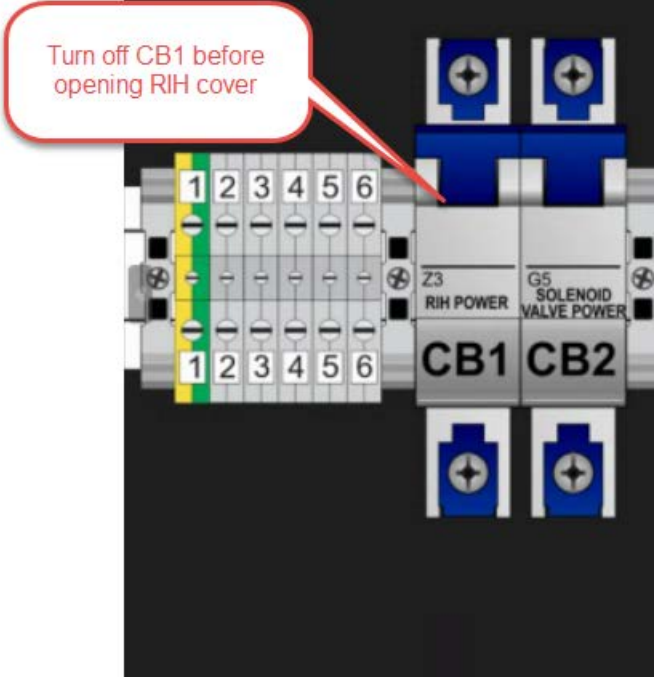


Figure 1: turn off CB1 to turn off RIH power

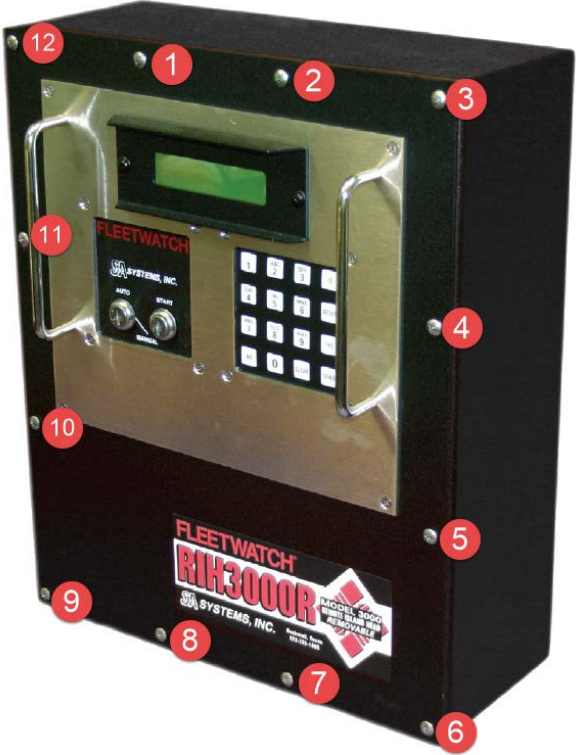


Figure 2: remove these screws to access the inside of the RIH



Figure 3: attach the cover in this manner if working on the RIH in its installation location