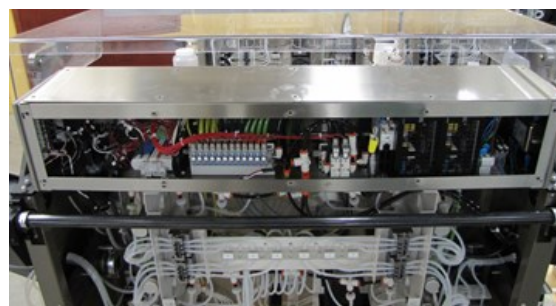


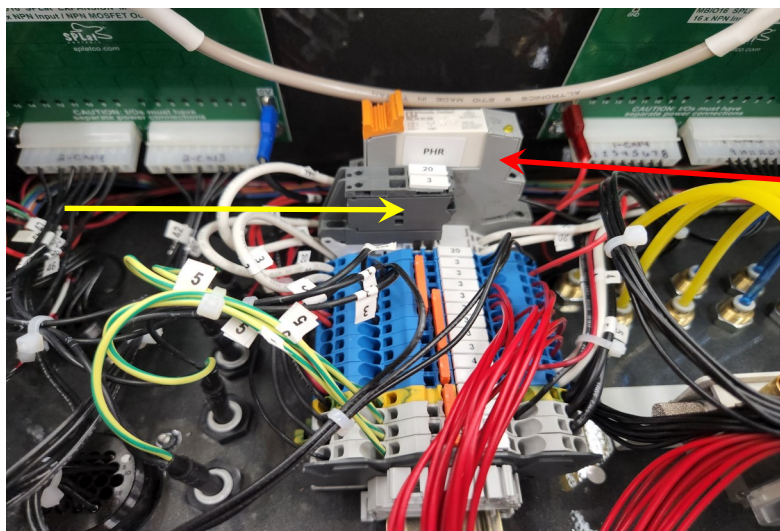
1. Turn off the instrument and unplug the power cord. Unscrew the 10 screws on the back panel of the electrical enclosure and remove. Set aside the panel and screws for reattachment later.



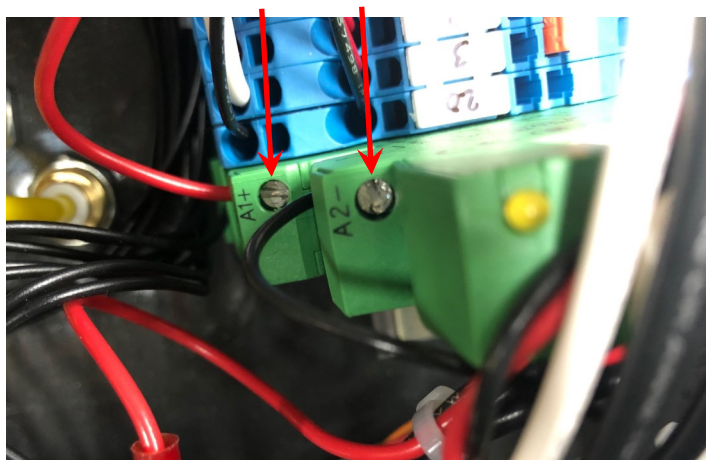
2. Unscrew the 7 screws on the top panel of the electrical enclosure and remove. Set screws and panel aside for reattachment later.



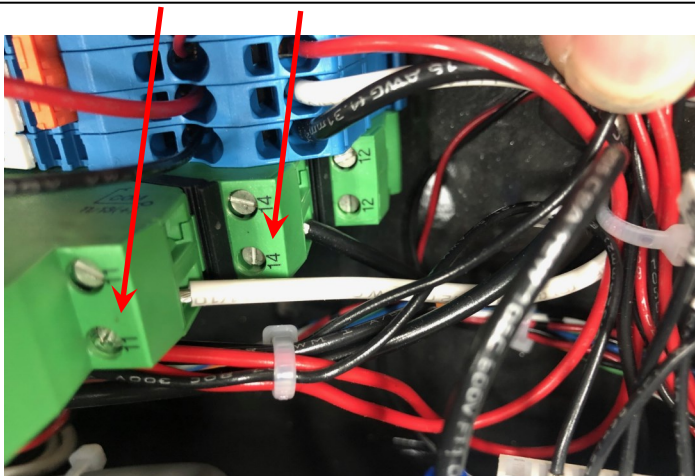
3. Identify the Paddle Heater Relay (part 8338—Red Arrow) within the electrical enclosure. Note: Some instruments have two in-line fuses as shown (Yellow Arrow).



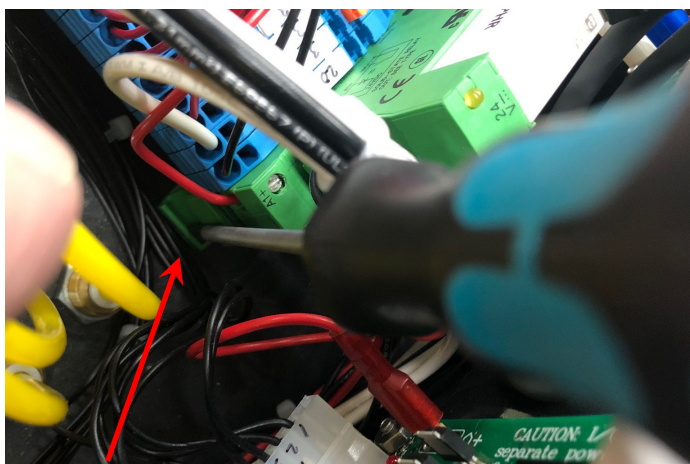
4. Use a small flat-head screwdriver to loosen the two wires on the left side of the Paddle Heater Relay. These are marked A1+ and A2- .



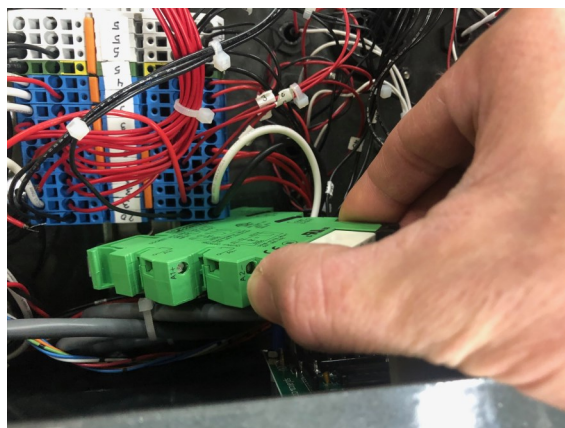
5. Use a small flat-head screwdriver to loosen the two wires on the left side of the Paddle Heater Relay. These are marked 11 and 14 .



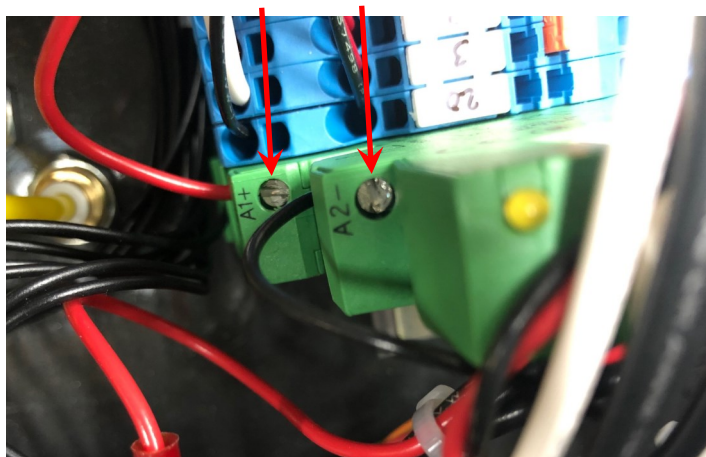
6. Use a screwdriver to loosen the original Paddle Heater Relay from the DIN rail. Insert a screwdriver into the slot identified by the arrow and push the handle toward the top of the Paddle Heater Relay to remove the part.



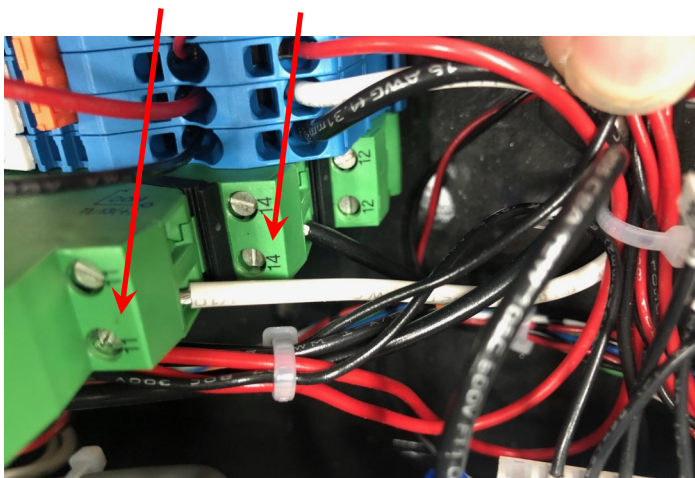
7. Latch the new Paddle Heater Relay onto the DIN rail from the right side and snap it in place on the left.



8. Attach the 18 AWG red and 22 AWG black wires on the right side. Red to position A1+ and Black to position A2-.



9. Notice that there are two #11 and two #14 screw terminals on the right side of the Paddle Heater Relay. Secure the 16 AWG white wire to the #11 position closest to the front of the instrument. Secure the 16 AWG black wire to the #14 position closest to the front of the instrument.

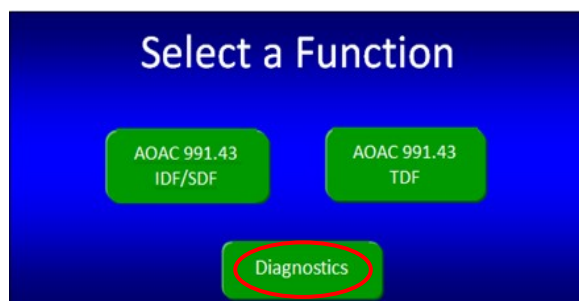


Paddle Heater Relay Replacement (8338)

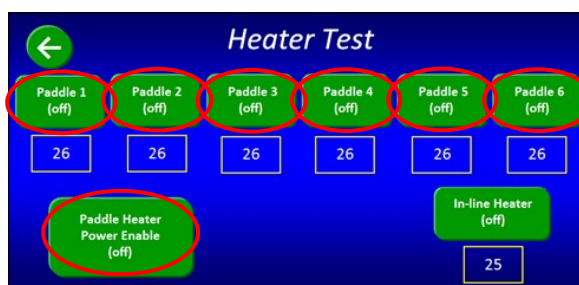
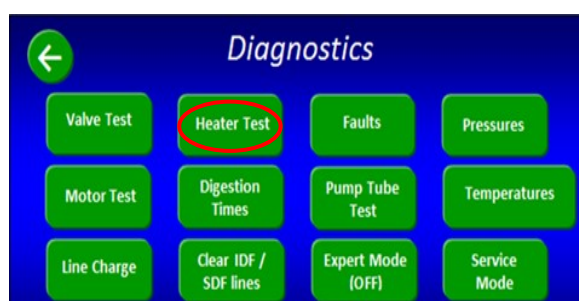
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10. Perform a heat-up test on the paddles to confirm proper installation and operation of the instrument. Stay clear of the open electrical enclosure. Plug the instrument back in and turn on the power. Go to Diagnostics and select Heater Test. Press the button "Paddle Heater Power Enable" and turn on each of the 6 Paddle heaters.



11. Start a timer and monitor the temperatures. The paddles should all reach 50°C in 2 to 2.5 minutes. When the test is complete, press Paddle Heater Power Enable again to turn off all 6 heaters.



12. Turn main power off and replace the top and back panels to the electrical enclosure, securing with the 17 screws from steps 1 and 2.

