



Please scan QR code to watch a video tutorial.



Tools required to Replace an MSS-9 Micro Safety Switch: Phillips head screwdriver, needle nose pliers and 1/4 nut driver.



1. Unplug the center module and remove the center module from the Big Dipper tank.



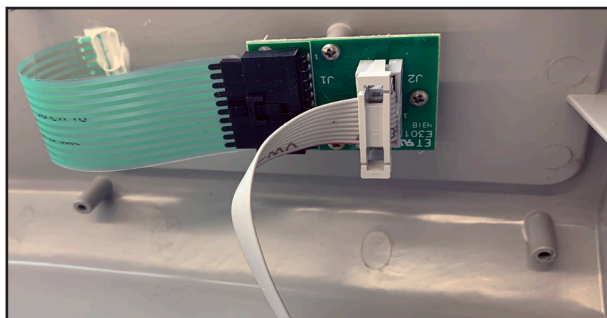
2. There will be (4) bolts on the front and (1) in the rear.



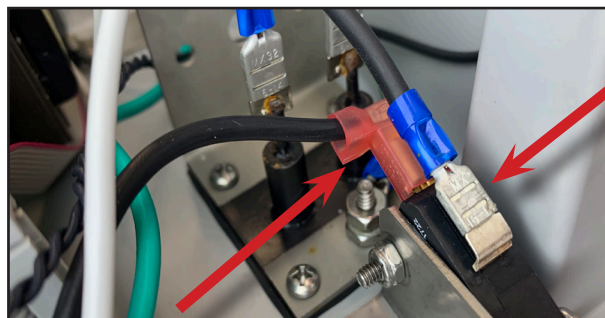
4. Use a Phillips head screwdriver and turn counter-clockwise and remove (5) bolts. Set the bolts aside.



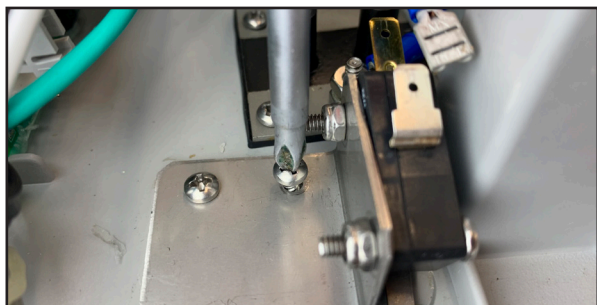
3. Lift the flip door cover over the skimming wheel to pry open the EECA cover. Pull upwards until EECA is completely removed from the center module.



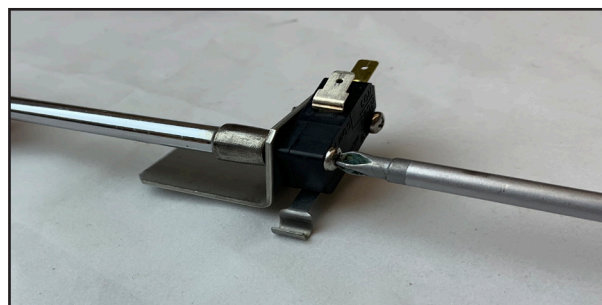
5. Once the EECA has been lifted up, disconnect the push button ribbon to completely remove the EECA.



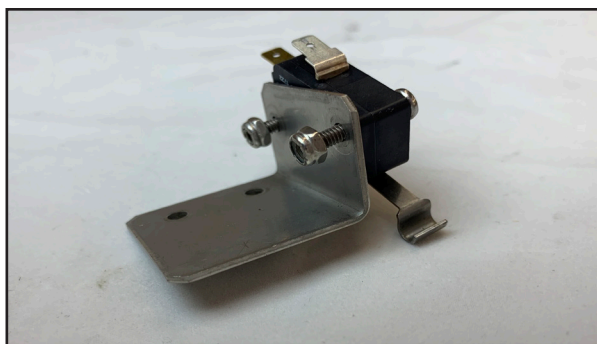
6. The safety switch is located on the rear side of the center module. Disconnect the (2) wires from the safety switch using needle nose pliers.



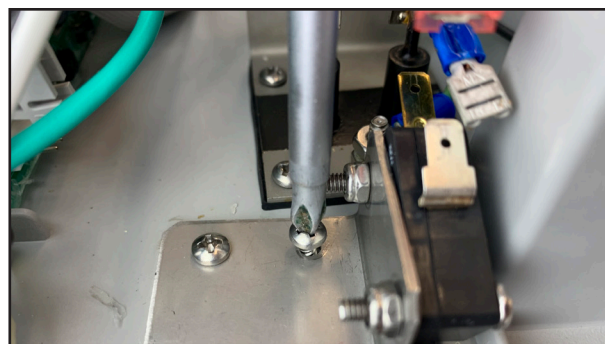
7. Use a Phillips head screwdriver and turn counter-clockwise to remove (2) bolts. The safety switch will be free from the center module.



8. Using a 1/4 socket and a Phillips screwdriver, turn counter-clockwise to remove the bolt and nut from the bracket. Set existing safety switch aside.

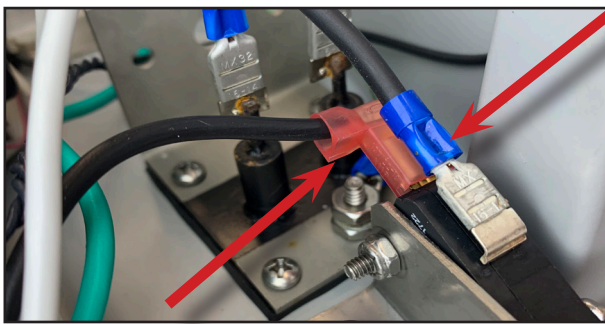


9. Install new safety switch on the bracket as illustrated and use a Phillips head screwdriver and 1/4 nut driver to secure safety switch to the bracket.

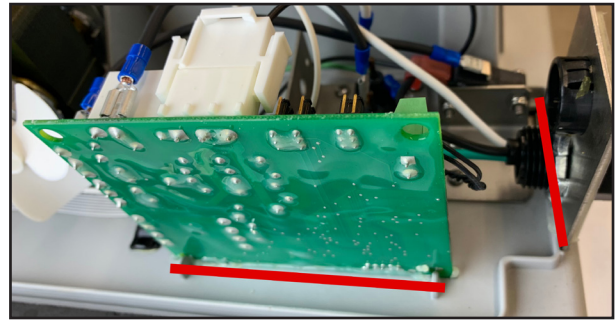


10. Place the safety switch bracket on the center module and secure the bolts using a Phillips head screwdriver.

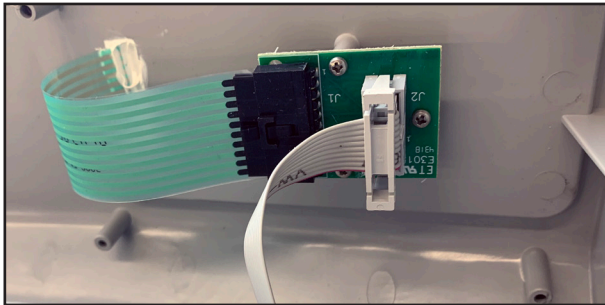




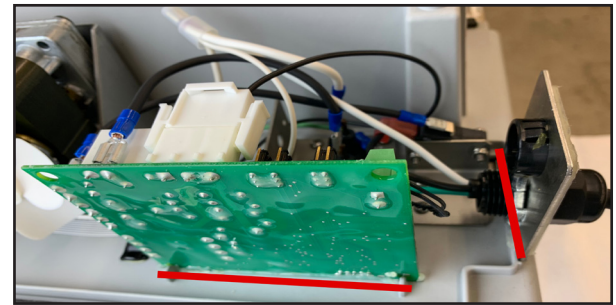
11. Reconnect the safety switch wires to the safety switch terminals.



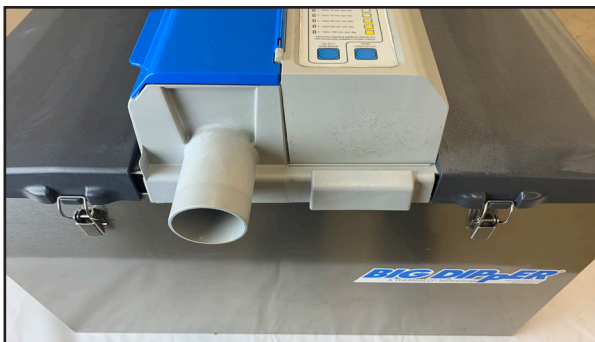
12. Place the electrical board and the electrical back plate on the groove.



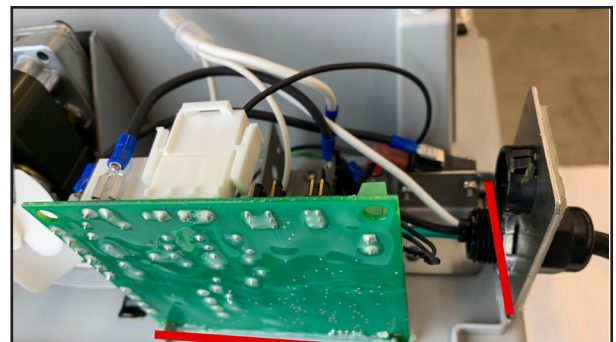
13. Connect the push button ribbon.



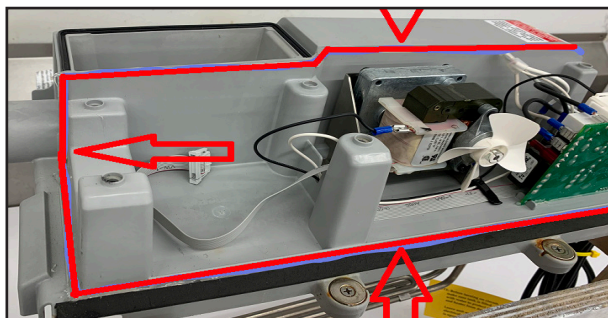
14. With the flip door open. Place the replacement EECA on the center module.



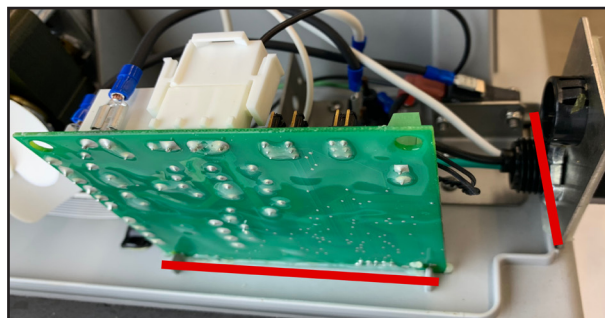
15. Connect the center module to a power supply and check if all settings are working. If the unit is not working, please contact Thermaco. If the unit has power, continue to the next step.



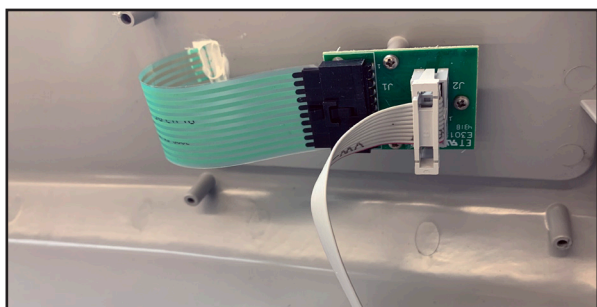
16. Unplug the center module and move to an adequate workspace. Lift up the EECA and disconnect the push button ribbon from EECA.



17. Using the sealant provided, apply sealant along the groove of the EECA cover and center module as illustrated above.



18. Place the electrical board and the electrical back plate on the groove.



19. Connect the push button ribbon.



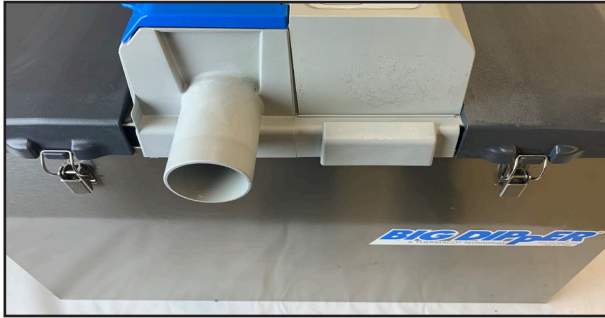
20. With the flip door lifted, place the EECA on the center module.



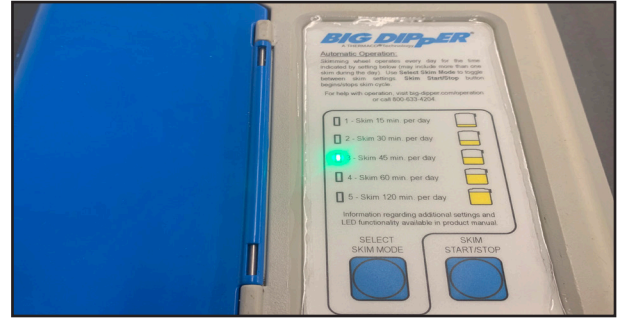
21. Close the flip door. The EECA cover should be flush with the center module.



22. Secure using the (5) bolts used to remove the cover. (4) in the front and (1) on the rear side.



23. Set the center module on the Big Dipper tank and latch the lids on each end. Place the grease collector on the front end.



24. Plug the unit to a power source. Select the appropriate skimming cycle for your business.

If you continue to experience issues please contact Thermaco Technical Support Team at [support@thermaco.com](mailto:support@thermaco.com) or 800-633-4204.

For additional troubleshooting guides go to [www.dipperhelp.com](http://www.dipperhelp.com)