

Replacing the Power Connector Microswitch

Parts/tools required for this service:

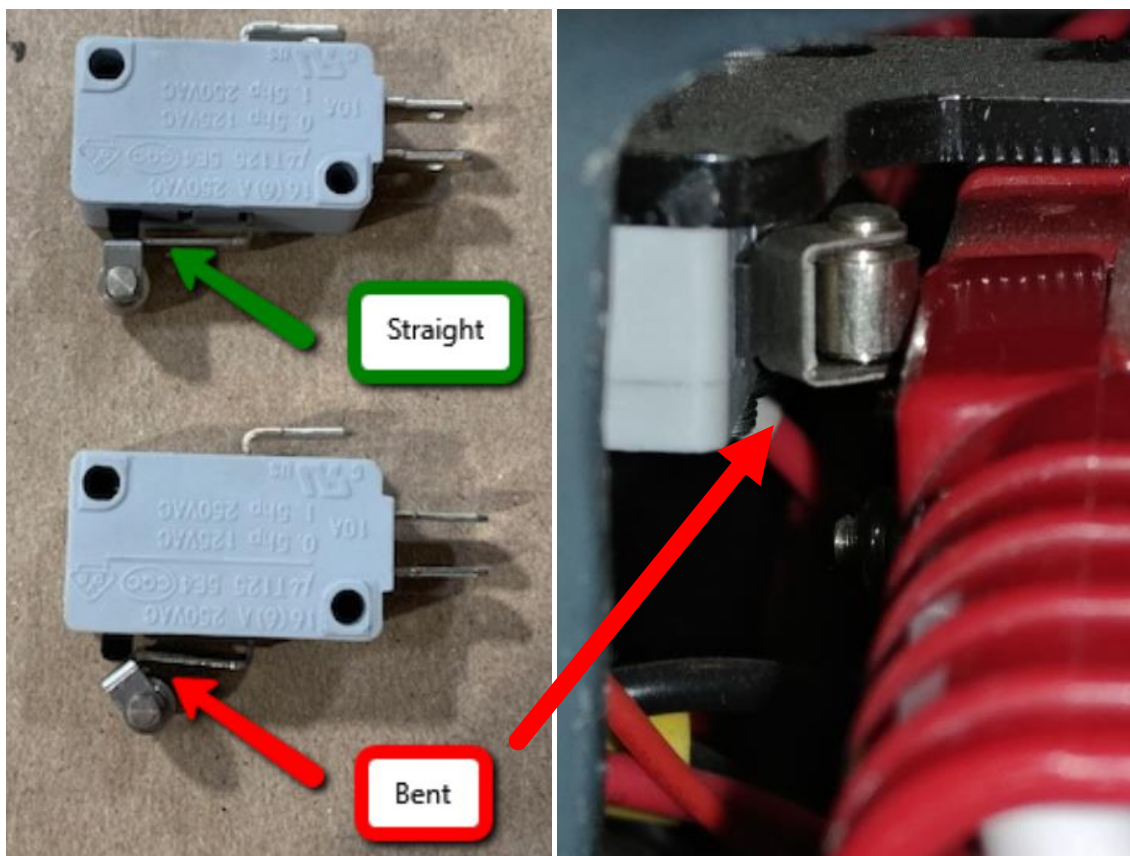
Ratchet and ½ in. socket

Adjustable crescent wrench

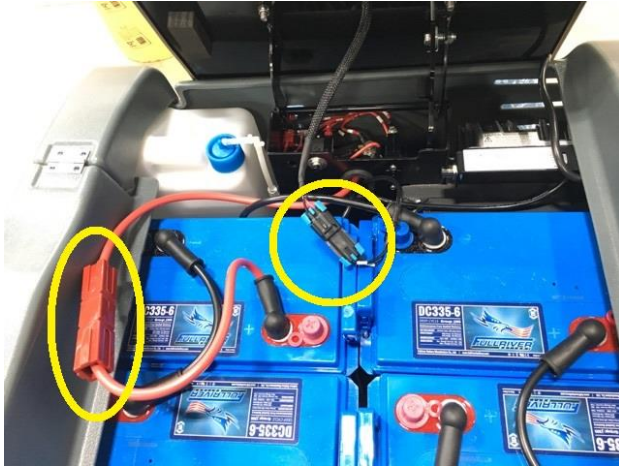
Phillips screwdriver

A microswitch located next to the main power plug may become bent as shown below and cause the charger plug to be difficult to insert or not seat securely.

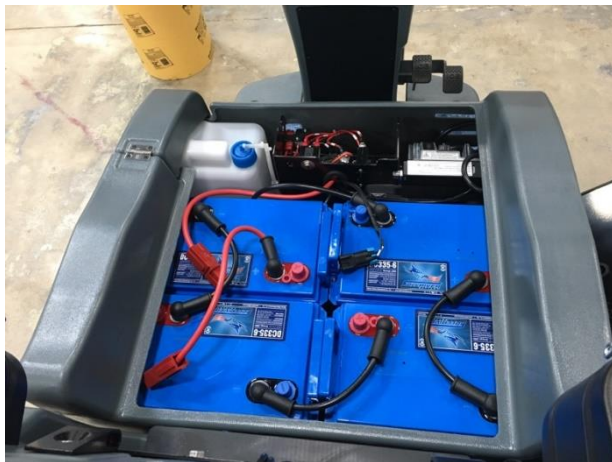
The microswitch cuts power to the scrubber while the charger connector is plugged in, ensuring the scrubber cannot be driven while charging. Replace the microswitch as follows.



Turn the key to power off the scrubber. Raise the seat and disconnect the red battery coupling and the seat sensor connection.



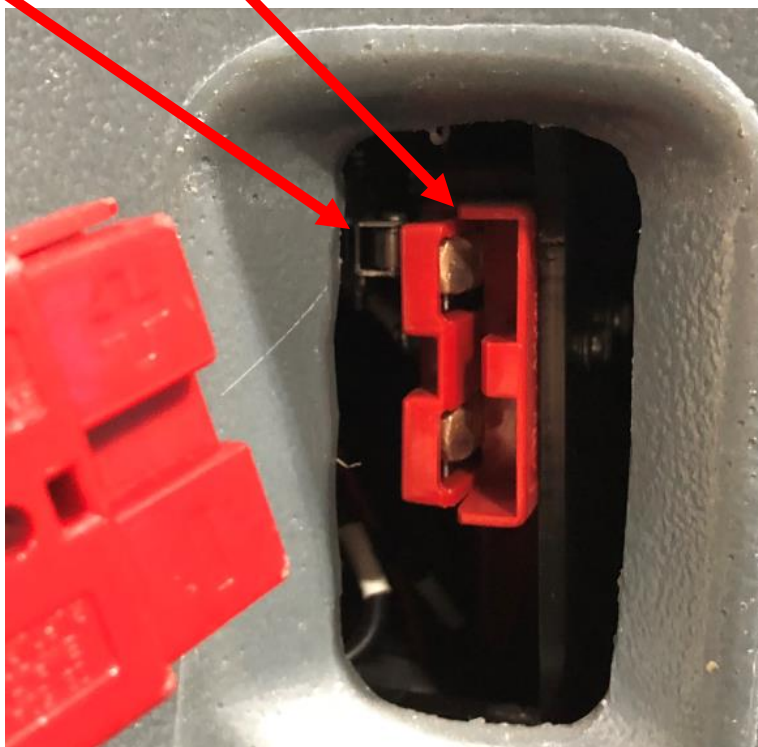
Lift the seat up and off the scrubber and set it on the floor



Note the location of the microswitch as shown by the green arrow.



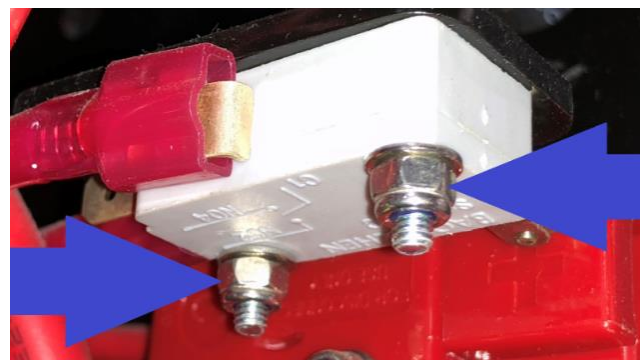
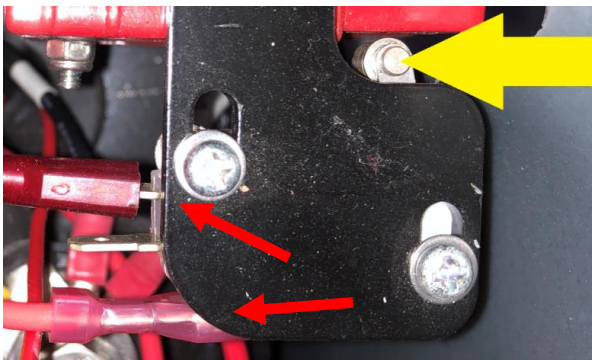
Microswitch and power connector as seen from front of battery housing.



Use a ½ inch socket and remove the two bolts shown below, then lift the housing straight up and off the scrubber unit.



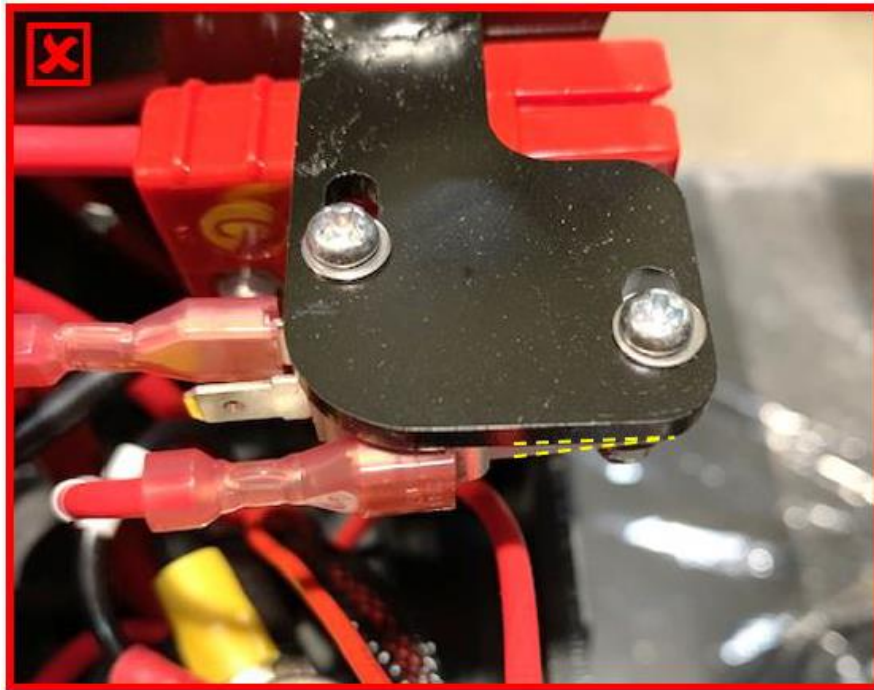
Remove the damaged microswitch: Use a Phillips screwdriver to loosen the two top screws, holding the bottom nuts (blue arrows) with the adjustable wrench. Be sure to retain the nuts and lock-washers for reassembly. Note the damaged switch contact (yellow arrow), and the microswitch wire connection points (red).



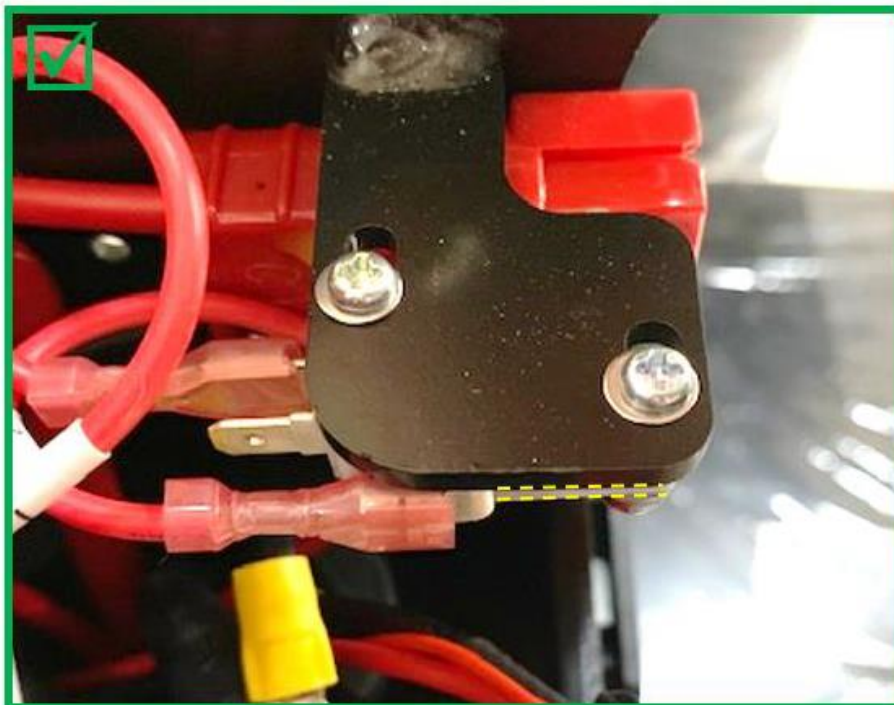
Install the replacement microswitch: Tighten the screws so the microswitch body is parallel with the edge of its mounting plate. The screws need to be at or near the end of their slots similar to the left photo. **See the following page for additional views.**

Reconnect both wires per the left photo. Test fit the charger power connector to ensure it seats correctly without over-stressing the replacement microswitch.

Crooked microswitch mounting increases risk of damaging the contact.



Correctly mounted microswitch with body parallel to edge of mounting plate.



Once the replacement microswitch is properly mounted, replace the scrubber housing and secure it with the two front bolts using the 1/2 inch socket.



Replace the seat, being careful not to trip the 5A circuit breaker. Reconnect the seat sensor and red battery connector. Key on the unit and test for proper start up and scrubber operation.

