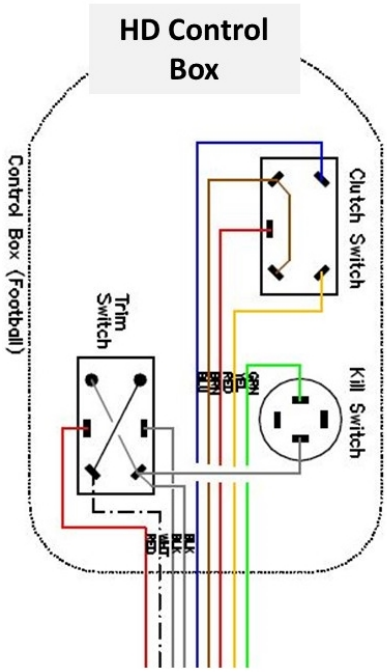
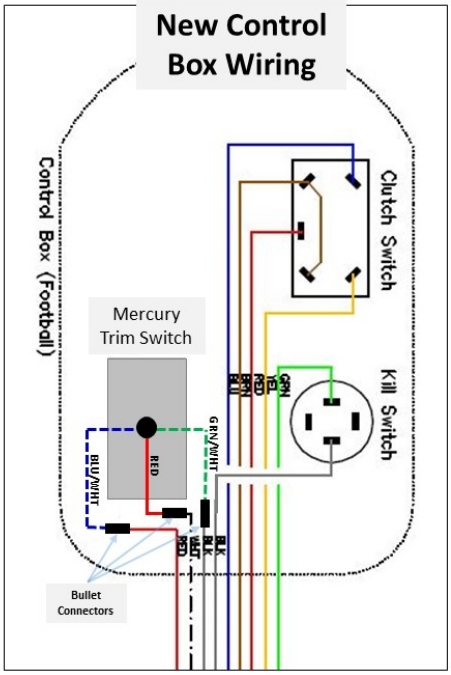
Tiller Control Box Upgrade

-Mercury Trim Switch

This upgrade is only applicable models with a Mercury Trim Actuator and Trim Relays.
Perform the steps below in order**, do not mix up the Black wires on the original trim switch**
Tools Required: Phillips and small flat head screw drivers, wire stripper/crimper, adjustable wrench.
Parts/Supplies: New style control box with Mercury trim switch, Female 16-14ga Spade Connector, three 16-14ga Bullet Connectors

1) Disconnect the battery positive lead.
2) Remove the 4 screws from the bottom of the tiller handle control box. Inspect the box, ensure it is clean and the drain holes are clear. If water has pooled inside the box, drill an additional drain hole. Inspect all the wire leads ensuring they are not kinked, pinched, damaged or frayed.
3) Use an adjustable wrench to remove the kill switch and clutch switch mounting nuts on the top of the control box. Push these switches through the control box top leaving the wires connected underneath.
4) Use a flat head screwdriver and remove the two **Black** ground connections from the corner of the old trim switch. Remove the **Black** jumper wire connected to the kill switch and discard.
5) Clip the terminal connector from the end of the disconnected **Black** ground wire and replace with a Female Spade connector. Ensure the crimp connection is tight.
6) Plug the new Female spade connector to the kill switch where the jumper was connected.
7) Remove the 3 screws mounting the control box to the tiller handle bracket.
8) Roll the top of the box to allow you to access the remaining wires on the old trim switch.
9) Remove the **Red** UP control wire from the side of the old trim switch, clip the connector, and add a bullet connector to connect to the **BLUE/WHITE** wire on the new trim switch.
10) Disconnect the **White** 12V wire clip the existing connector and add a bullet connector to connect this wire with the **RED** wire from the new switch.
11) Disconnect the **Black** DOWN control wire and connect to the **GREEN/WHITE** wire on the new trim switch installing a bullet connector.
12) Mount the new control box to the tiller bracket. If you are replacing any other switches transfer their connections one by one to ensure the correct positions.
13) Reinstall the kill switch and clutch switch w/ stainless guard. Inspect all connections and ensure wire leads are not touching.
14) Reconnect the positive battery lead and test the Up and Down trim operation, Clutch operation and Kill Switch.
15) Reinstall the bottom of the control box.