WEAR YOUR SAFETY GLASSES
FORESIGHT IS BETTER THAN NO SIGHT
READ INSTRUCTIONS BEFORE OPERATING

SHERLINE PRODUCTS
INCORPORATED 1974

Replacing the Toggle Switch on the Speed Control

1. Unplug the power cord so there is no voltage going to the speed control unit.
2. Remove the securing nut from the top of the toggle switch.

FIGURE 1

3. Remove the 10-32 SHCS that holds the speed control in place.

FIGURE 2

4. Lift up the speed control and pop the bracket pins out of the belt guard holes. The ears will just flex outward with minimal force so you can remove the bracket pins from each side.

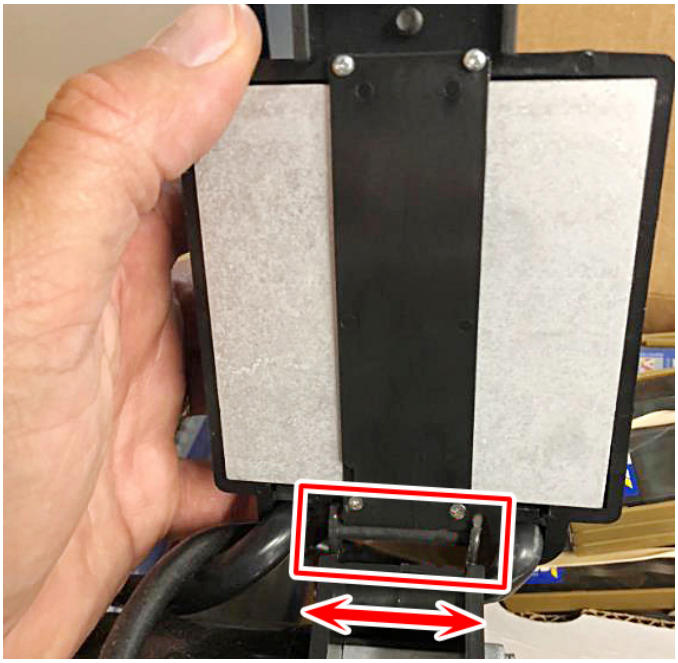

FIGURE 3

5. Once the speed control is unhinged you remove the (4) hinge plate screws.

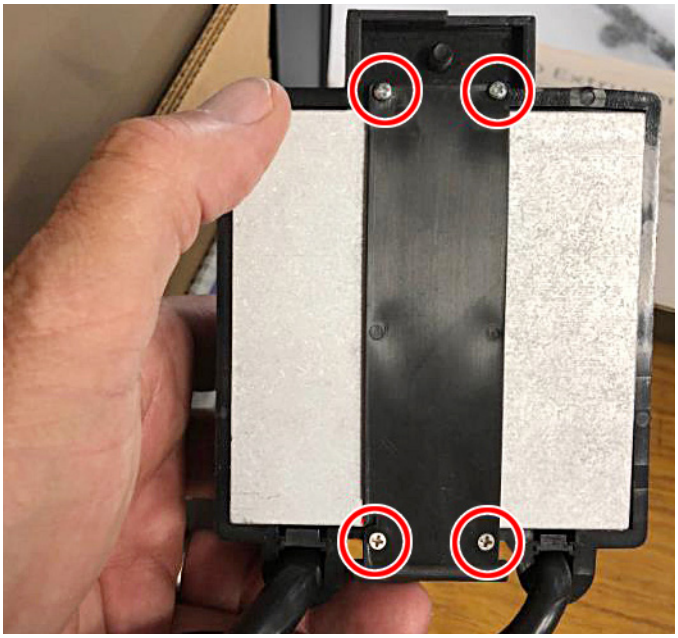

FIGURE 4

6. Use a flat-blade screwdriver to pry the side of the speed control case away from the control board. Then lift the side of the control board up and out of the control cover.

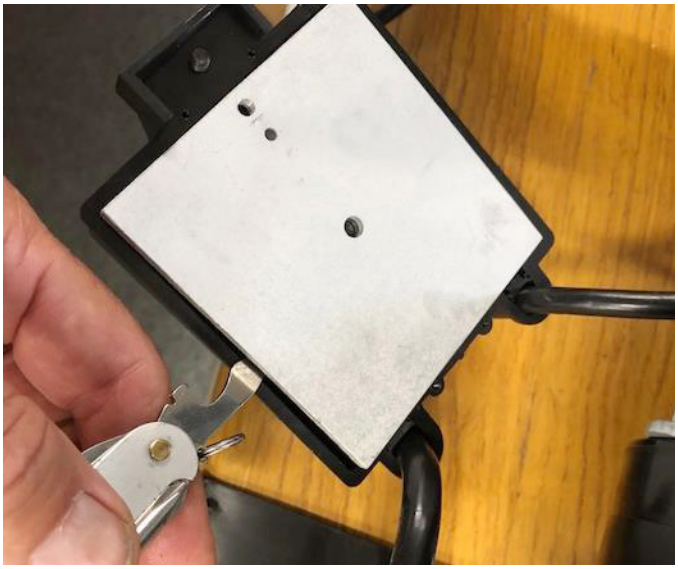

FIGURE 5

7. Flip the control board over so the toggle switch is exposed. Identify the orange and black wire connection (with the wire nut). Remove the wire nut and pull the black toggle switch wire out.

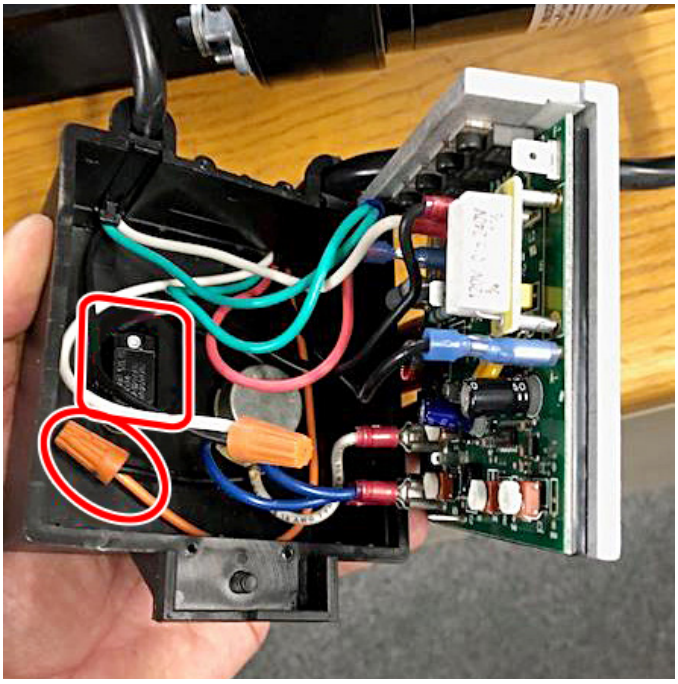

FIGURE 6

8. Pull the second black wire with the spade connector that is on the L2 pin off of the board (see Figures 7 and 8).

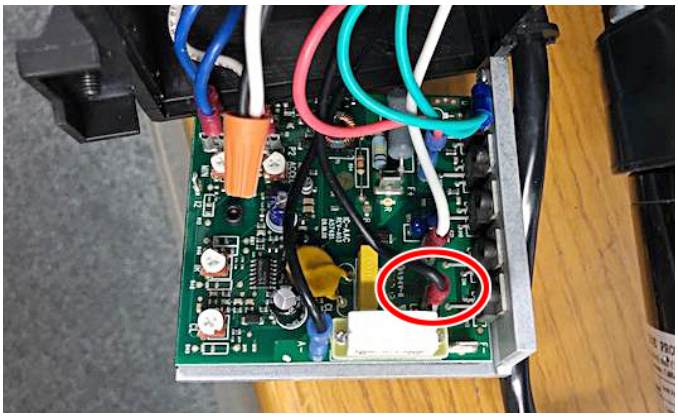

FIGURE 7

FIGURE 8

9. Once these two wires are disconnected, you can remove the toggle switch body from the cover.
10. This is what your new toggle switch will look like (see Figure 9). The black wire with the spade connector goes on the L2 Pin. The other black wire is twisted together with the orange motor wire and then you screw on the wire nut (see Figure 10). Make sure that no bare wires are exposed from the wire nut.

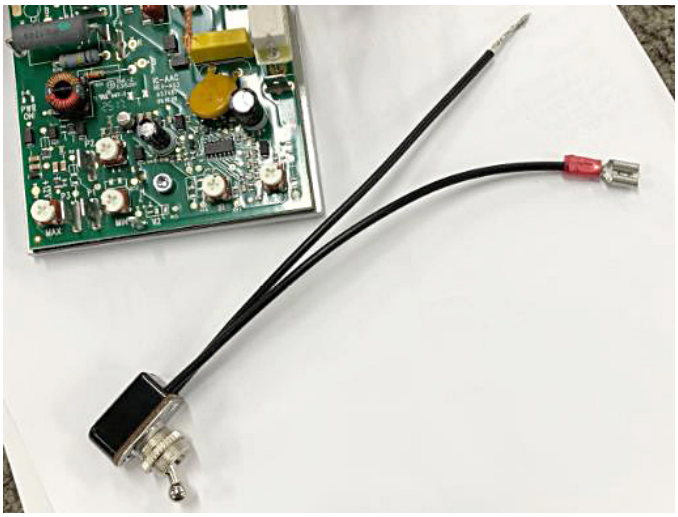

FIGURE 9

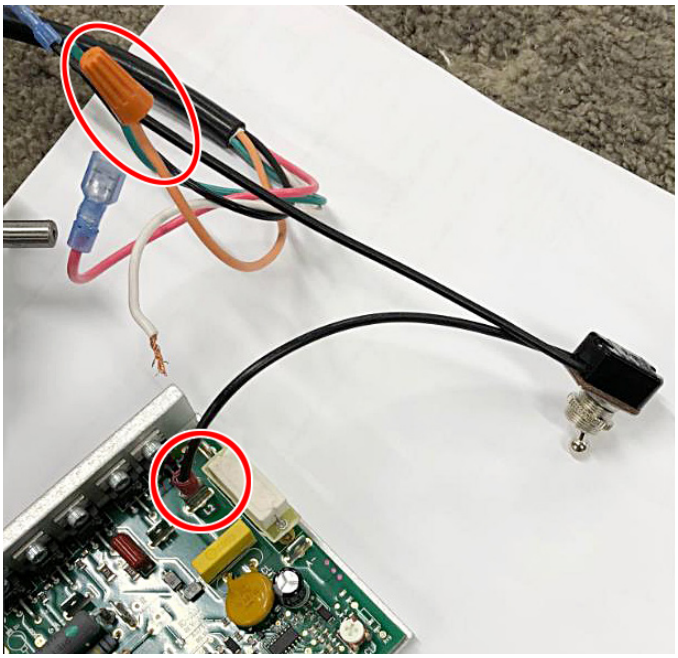

FIGURE 10

11. Once you have the toggle switch connected, weave the wires around and insert the toggle switch back into the hole in the control case.
12. Align the toggle switch body and lock it in place with the securing nut on the top side of the control housing.
13. Then weave the rest of the wires into the case and reinstall the control board back into the case.
14. The bottom of the control board should be flush with the sides of the control body.
15. Once the speed control board is installed into the body, plug in the power cord, turn the speed control on (at low RPM range), and make sure it works.
16. If it works, turn it off and unplug the power cord again.
17. Put it all back together in the reverse order.
18. When you put the hinge bracket back on the speed control, make sure that the two flat-head screws are on the backside where the motor cords come out, and the two round-head screws are on the front side (see Figure 11). Do not overtighten these screws. They are going into plastic, and they will strip out the plastic easily if you overtighten them.

FIGURE 11

Optional Toggle Switch Dust Cover

Customers who cut a lot of wood or brass tend to get wood dust or fine brass particles in the toggle switch, and these contaminants will short out the on/off switch. Woods with a high oil content seem to be the worst, e.g. African Black Wood. Our toggle switch dust cover (P/N 3015) was designed to prevent fine particles from getting into the speed control electronics.

Thank you,
Sherline Products Inc.