

## **INSTALLING THE P/N 3015 SWITCH DUST COVER**

The toggle switch dust cover is designed to keep the fine dust from machining brass or wood out of the speed control electronics. Once this fine dust works its way inside, it can coat switch components, causing a short. In most cases, installation will be very simple. Using a wrench or pliers, loosen the old toggle switch retaining nut and remove it. Take care not to damage the Mylar decal under the nut. Push the new dust cover over the head of the toggle. Hold the toggle between your fingers and pull up on it while threading on the new seal. Tighten with a wrench, but don't overtighten.

Over the years, Sherline has purchased toggle switches from several suppliers. While identical in function, some are easier to attach the dust cover nut to. In cases where you encounter difficulty, here are some suggestions:

### **On toggle switches with not enough threads to start the new dust cover nut**

Some toggle switches have less threads protruding from the speed control housing, and it can be difficult to start the dust cover nut. In this case, you will have to open up the speed control housing so you can push the toggle switch from the back side while starting the nut. To do so, consult the exploded view of the speed control in your instruction manual and do the following:

1. Remove the housing hold-down screw and pivot the speed control upwards.
2. Loosen the screws that hold the outer belt guard, and spread the "ears" that hold the hinge pins so you can remove the speed control from the belt cover. (It will still be attached by its power cord, which is OK.)
3. Remove the four small screws that hold the hinge plate to the bottom of the speed control electronics. (There are two different kinds, note where they go.)
4. Pivot the aluminum speed control electronics board down out of the housing just far enough that you can reach up and hold the toggle switch while attaching the new nut. Be careful not to disconnect any wires or damage the board.
5. Turn the case upside down and push the wires back into the speed control case and out of the way. Make sure there is no interference, especially in the back where the flange of the electronics board locks the cords in place.
6. Push the electronics board into the case so it is flush with the bottom of the case and reattach the hinge plate with the four small screws, two flat head screws in the back near the hinge pins and two pan head screws near the front. Keep pushing down on the electronics while tightening the small screws to keep the hinge from bowing excessively. (A slight amount of bowing is normal.) Pivot the housing back into position and secure it to the belt guard with the tab and socket head screw.

### **Toggle switches with a thread that doesn't match the new dust cover nut**

A small number of toggle switches were installed with threads that are not compatible with the threads of the dust cover nut. Because the toggle switches come with their own nut, it was not noticed until someone tried to install a dust cover nut that the supplier had changed the specifications of the switches without notifying us. If you have one of these switches, please call Sherline and we can supply what is needed to solve the problem.