

Replacing the Flow Sensor on a Model 3 Fan

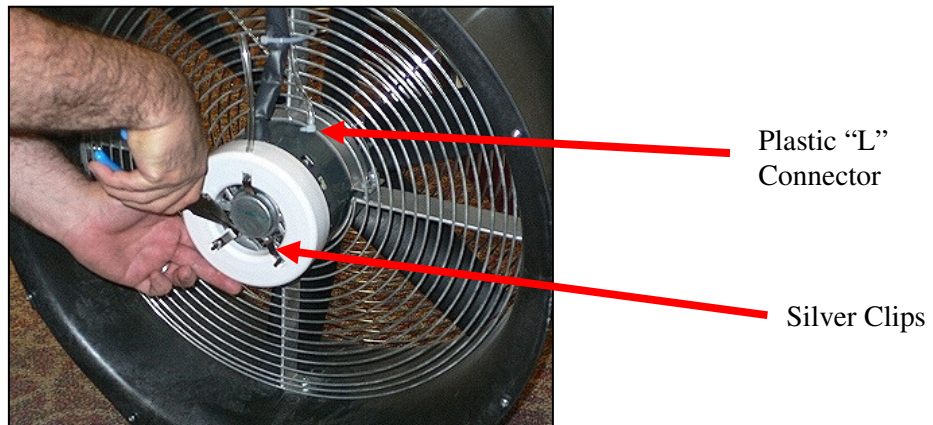
Parts Included:

- New Model 3 Flow Sensor.
- “Low Strength” or “Adjustable” Thread Lock liquid.

Tools Needed:

- Needle-Nose Pliers and 5/64th Hex Key (Allen Wrench).
1. Remove the old Flow Sensor from the face of the motor. You will need to use the needle-nose pliers to unhook the 3 silver clips that hold the sensor to the motor face. You will also need to disconnect the plastic tubing coming from the Flow Sensor from the plastic ‘L’ connector. (see Figure 1)
 2. Attach the new Model 3 Flow Sensor to the face of the motor. Orient the Flow Sensor so that the tubing coming out of the sensor is pointing up. Use the needle-nose pliers to push the end of all 3 clips into the openings in the motor face until the end of clips grab the inside edge of the motor face.

Figure 1



3. Now connect the tubing coming from the Flow Sensor to the tubing coming down from the electrical box (along the motor mount leg) using the plastic ‘L’ connector. It is usually best to run the tubing from the Flow Sensor behind the wire bundle before connecting to the plastic ‘L’ connector.

Figure 2



4. Apply a small amount of “Low Strength” or “Adjustable” thread lock liquid onto the threads of the 3 set screws (be sure wipe off any excess thread lock from the white Flow Sensor - ** thread lock liquid may damage the white plastic if not wiped off).

Figure 3



5. Using the 5/64th hex key, turn in the 3 set screws (clockwise) to adjust the final position of the Flow Sensor. The final distance between the face of the Flow Sensor and the inlet plane of the fan housing should be 1/4 inch (+/- 1/16 inch). An easy way to make this measurement is to lay a straightedge across the inlet of the fan and to measure from the bottom of the straightedge to the face of the Flow Sensor. Make this measurement in a couple of locations on the face of the Flow Sensor.

Figure 4

