

**INSTALLATION INSTRUCTIONS FOR DIRTY FILTER SWITCH KIT (603364-03, 04, 05;  
 53W66, 53W67, 53W68) USED ON LGH/LCH UNITS**

**Shipping and Packing List**

**Package 1 of 1 contains:**

- 1- Filter switch (S27)
- 1- Plastic tubing
- 2- Screws

**Application**

Filter switch kit is used on LGH/LCH036-600 (3 to 50 ton) packaged units. See table 1 for usage.

The normally open filter switch will close with an increase in static pressure.

The Unit Controller will display and store an error code and energize a service output. See Unit Controller manual provided with unit.

**TABLE 1**

| Unit Voltage | Kit              |
|--------------|------------------|
| 036-074      | 603364-03; 53W66 |
| 092-152      | 603364-04; 53W67 |
| 156-600      | 603364-05; 53W68 |

**Installation**

- 1- Disconnect all electrical power to unit. Open filter access door.
- 2- Install filter switch in location shown in figure 1 for 036-074 units, figure 2 for 092-152 units, figure 3 for 156-300S units and figure 4 for 420-600 units.
- 3- Connect one end of plastic tubing to the filter switch port. See figure 5. On 420-600 units, cut the 30" tubing (provided) to 18-1/2 ".
- 4- Route the other end of plastic tubing as shown in appropriate figure.
- 5- Locate wires marked S27-C and S27-NO hanging near filter switch. Connect wire marked S27-C to the switch common terminal. Connect wire marked S27-NO to the switch NO terminal. See figure 5.
- 6- **M3 Unit Controller Setup:** Go to **SETUP / INSTALL** to enable the Dirty Filter Switch (S27). Navigate through the setup questions until **Configuration ID 2** appears. Set position **two** to **C** if the dirty filter switch is installed on units equipped with an M3 Unit Controller. Set position **two** to **D** if the dirty filter switch is installed on units equipped with a DDC controller.


**WARNING**

**Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Installation and service must be performed by a licensed professional HVAC installer or equivalent, service agency, or the gas supplier**


**CAUTION**

**Danger of sharp metallic edges. Can cause injury. Take care and wear protective clothing when servicing unit to avoid accidental contact with sharp edges.**

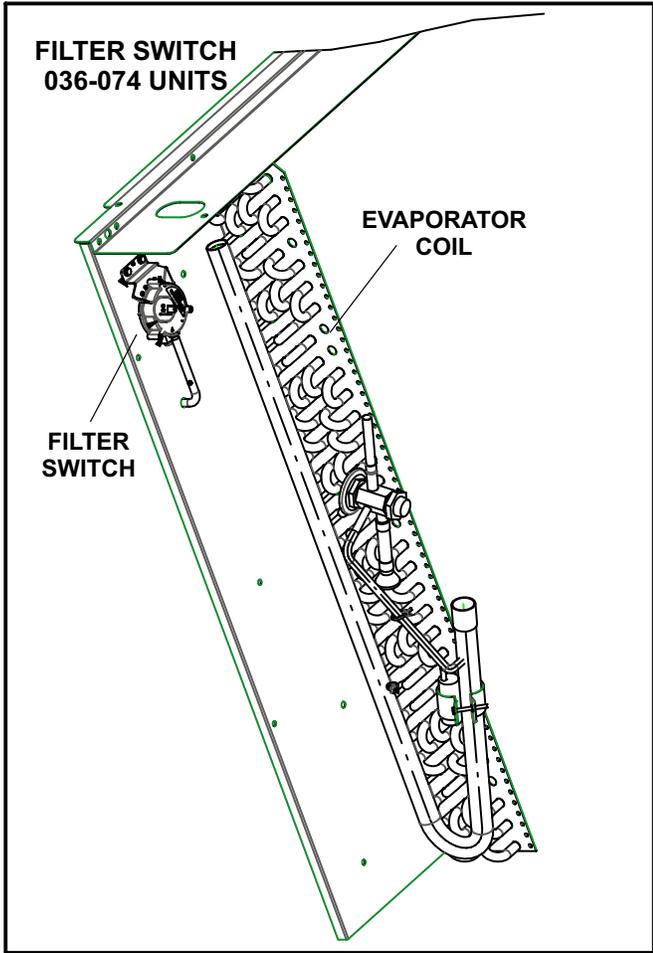


FIGURE 1

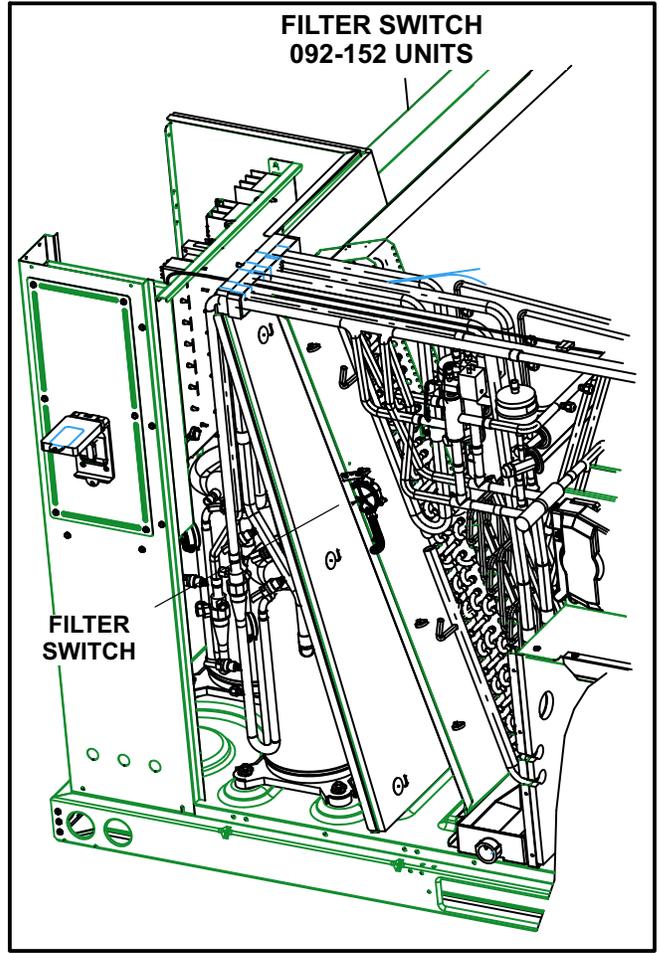


FIGURE 2

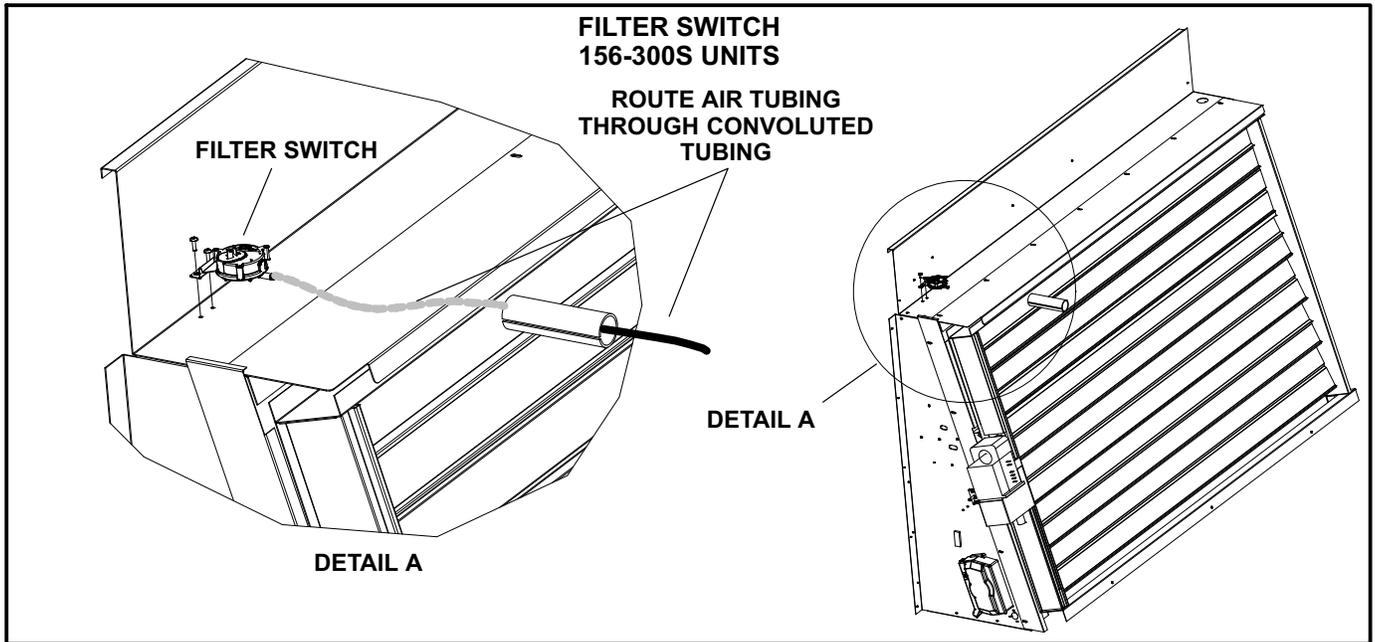
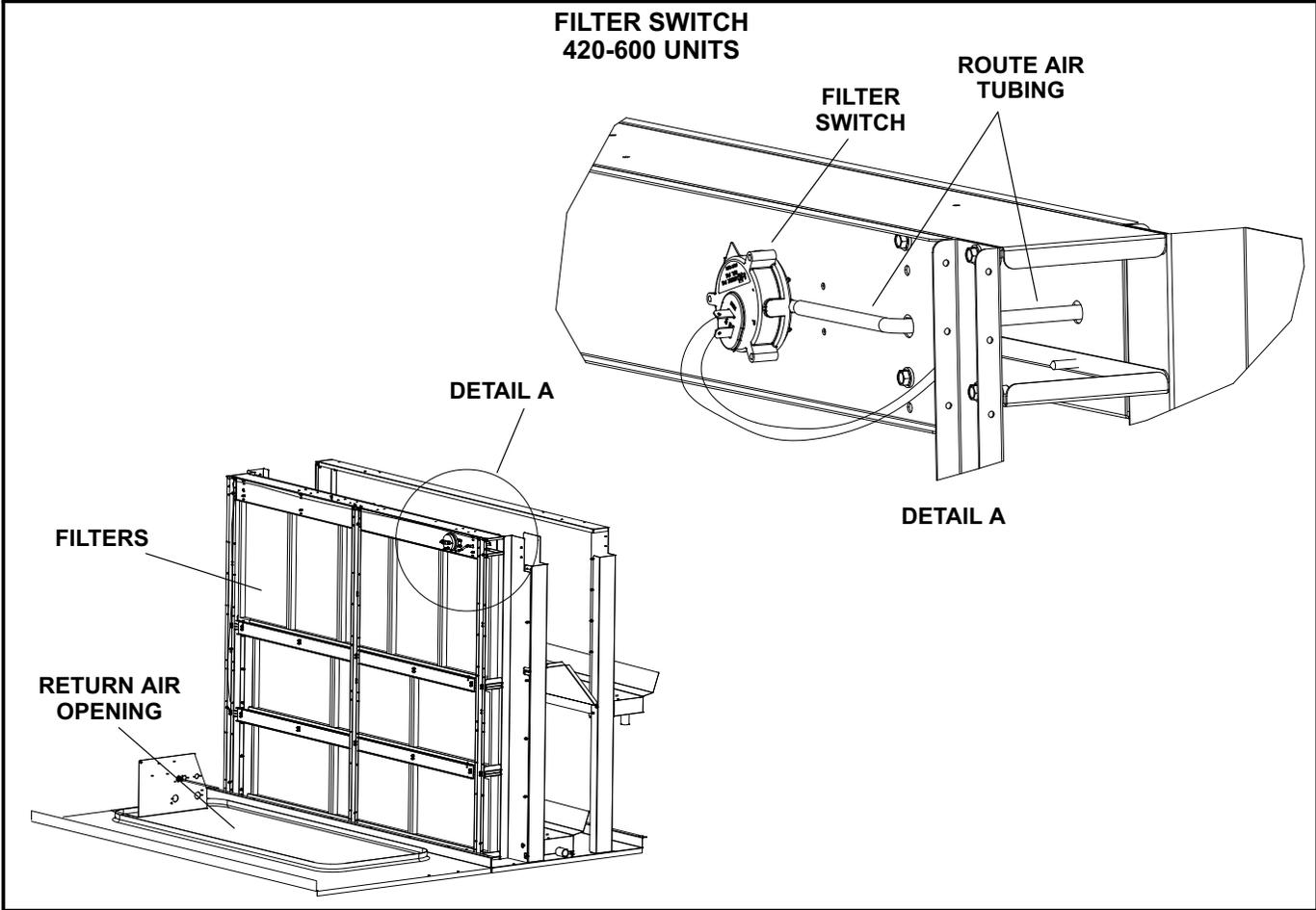
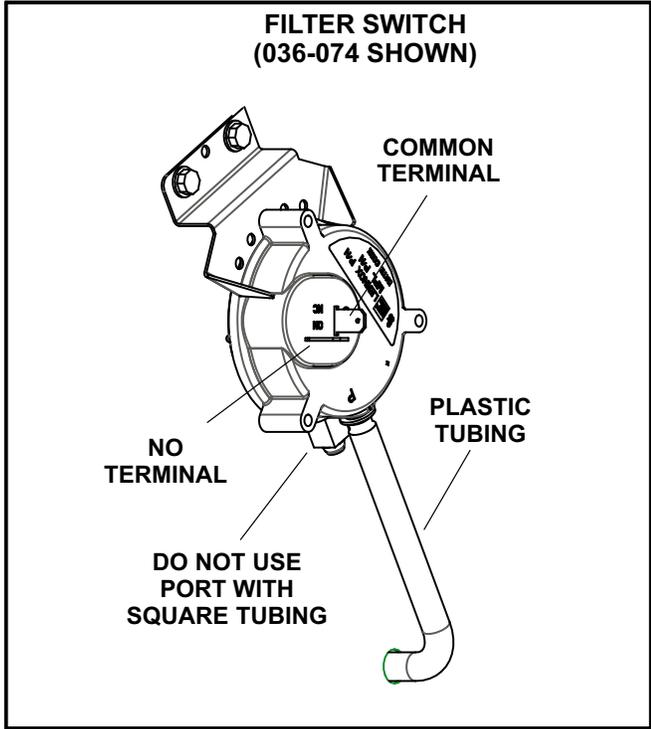


FIGURE 3



**FIGURE 4**



**FIGURE 5**