

ROOFTOP UNIT KITS AND ACCESSORIES

507315-02
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Replaces 4/2021

BLOWER ASSEMBLY REPLACEMENT KIT

INSTALLATION INSTRUCTIONS FOR BLOWER ASSEMBLY REPLACEMENT KIT USED WITH LGM/LCM092-150U UNITS

Shipping and Packing List

Package 1 of 1 contains:

- 1- Blower assembly

⚠ 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

Application

The blower assembly replacement kit is used on LGM/LCM092, 102, 120, & 150U units. See table 1.

TABLE 1

Cat. No.	Assembly No.	Voltage
22A41	612793-07	Y
22A42	612793-08	G, J
22A43*	612793-09	Y
22A44*	612793-10	G, J

*Corrosion protection

Installation

- 1- Disconnect electrical power to unit. Wait five minutes before continuing service procedures to avoid electrical shock. This will allow internal capacitors time to fully discharge.
- 2- Open access panels as shown in figure 1.
- 3- Disconnect B3 Modbus connection and PT6 connection in the blower section. See figure 2.
- 4- Disconnect P48 in the controls area. See figure 3.
- 5- Cut wire ties where necessary and pull P48 wiring harness from control area into blower section.

⚠ CAUTION

As with any mechanical equipment, contact with sharp sheet metal edges can result in personal injury. Take care while handling this equipment and wear gloves and protective clothing.

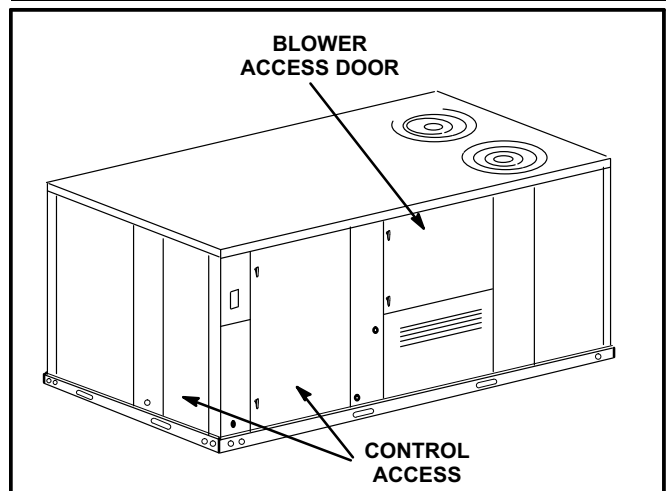


FIGURE 1

BLOWER SECTION

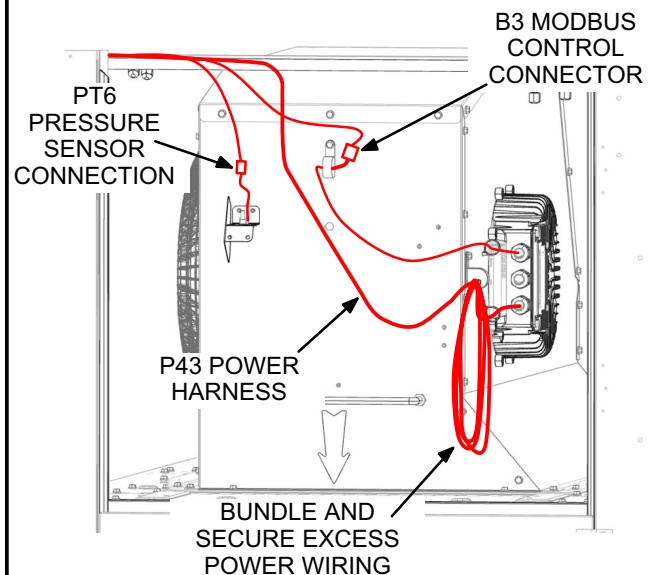


FIGURE 2

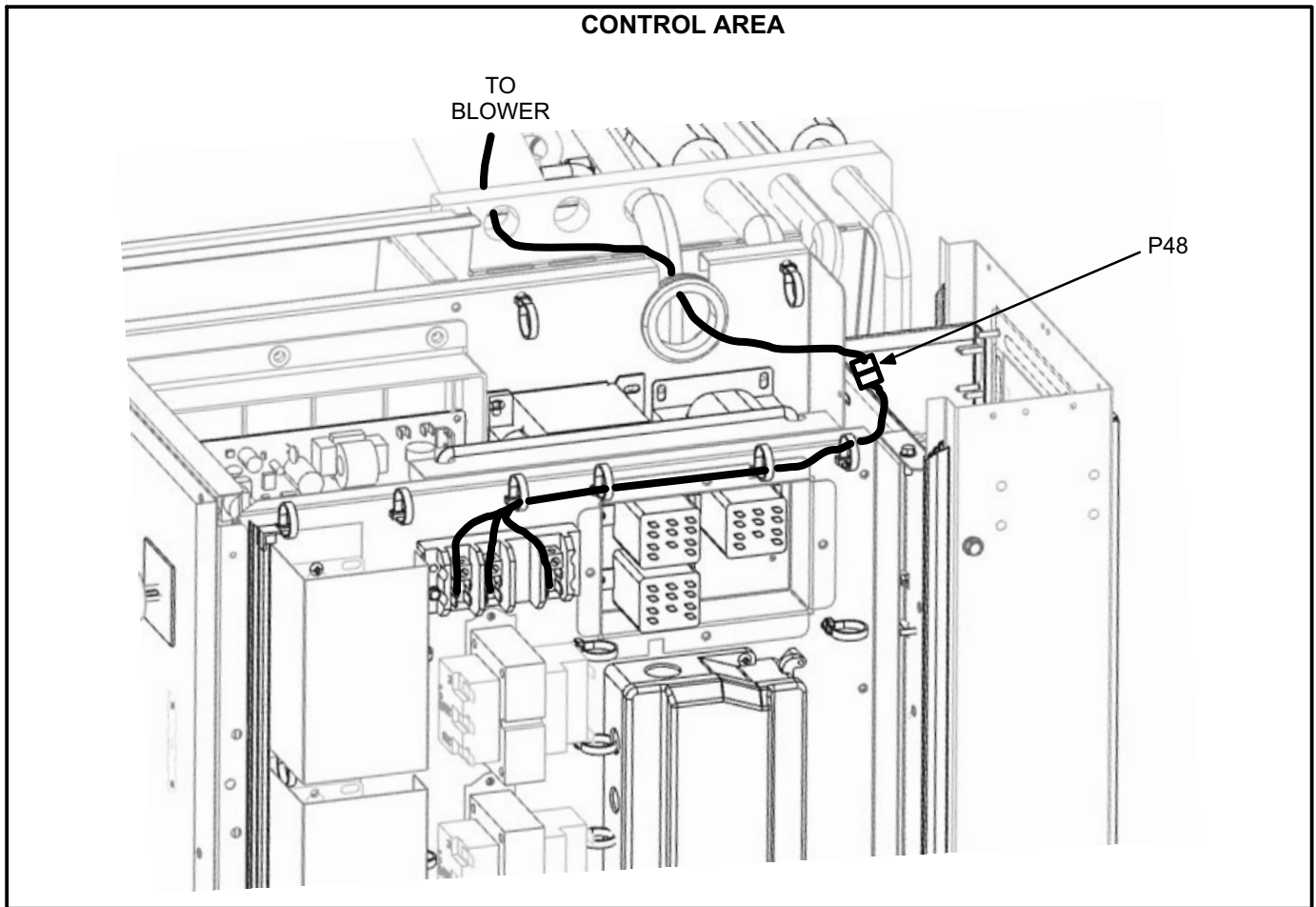


FIGURE 3

- 6- Remove four screws securing blower assembly to unit. See figure 5.
- 7- If unit was equipped with a blower proving switch, remove switch from existing blower housing. Attach the proving switch to replacement blower assembly in the same manner it was removed.
- 8- Disconnect the pressure tubing from PT6 pressure sensor. See figure 4. Remove two screws and remove sensor/bracket assembly (note the orientation) from existing blower housing. Install the sensor/bracket onto the replacement blower assembly. Reattach the tubing in the same manner they were removed.

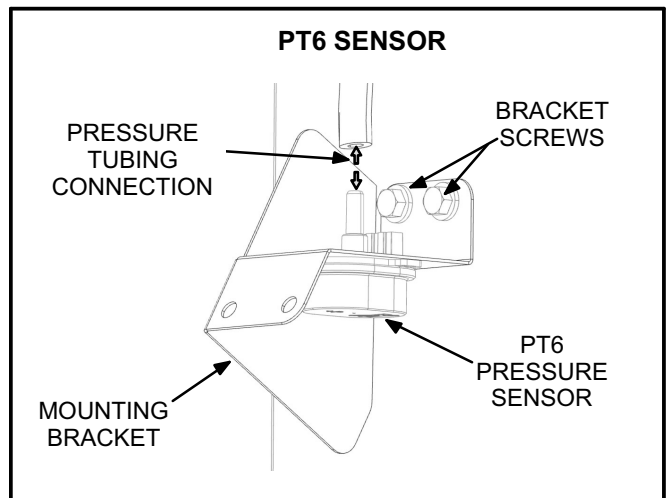


FIGURE 4

- 9- Use the handle on the blower assembly to slide the assembly out of unit.
- 10- Install replacement blower assembly flanges into rails on the blower deck in the same manner it was removed. Secure into place using four screws shown in figure 5.
- 11- Uncoil P48 wiring harness secured to replacement blower housing.
- 12- Route P48 end of harness through unit to control area in the same manner it was removed.
- 13- Connect P48, B3 Modbus, and PT6 connections as shown in figures 2 and 3.
- 14- Bundle harnesses and use wire ties to secure kit harnesses to unit harnesses in the same manner they were removed.

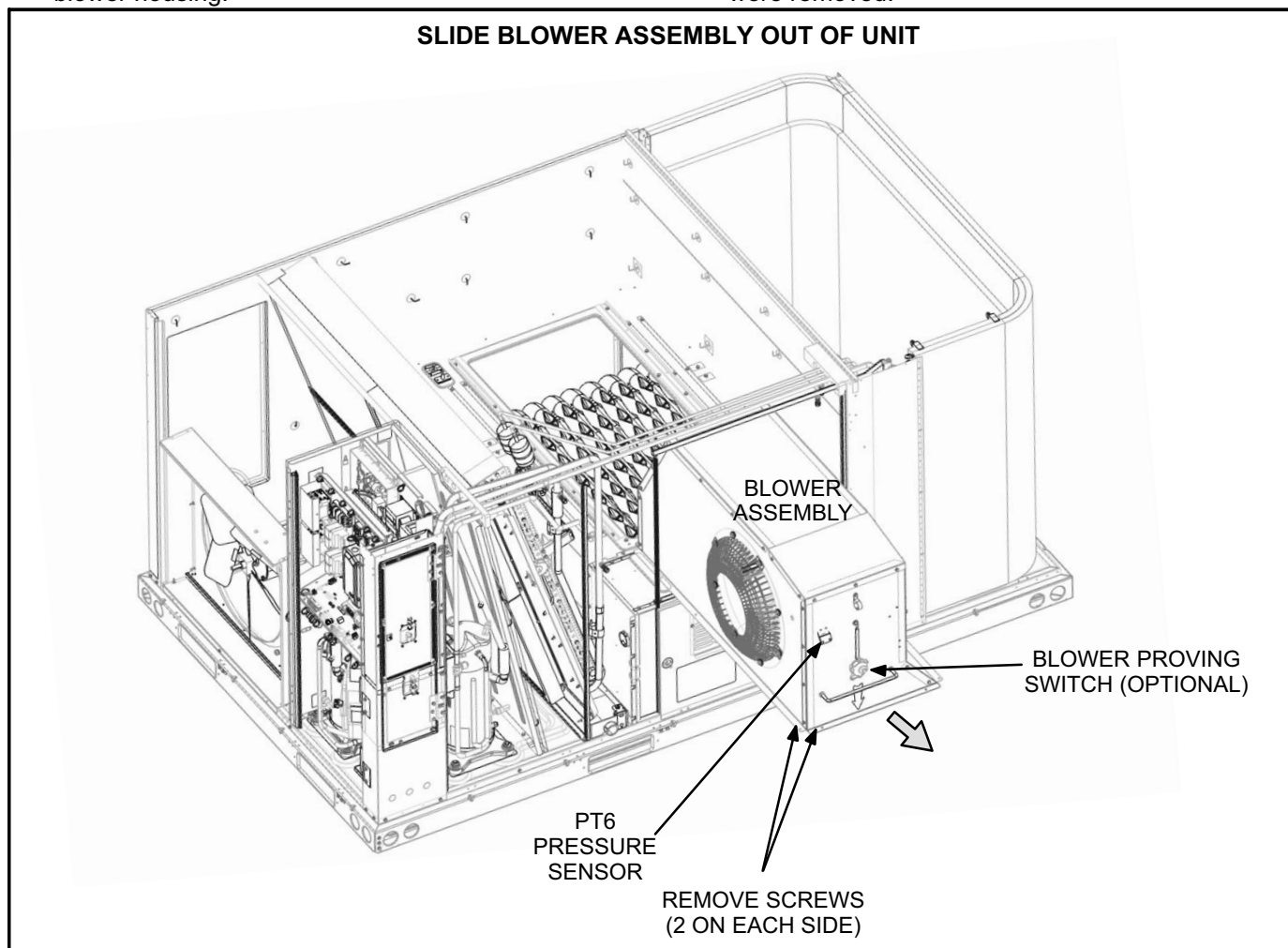


FIGURE 5