

ROOFTOP UNIT KITS
AND ACCESSORIES

507989-03
4/2024
Supersedes 507989-02

BLOWER ASSEMBLY
REPLACEMENT KIT

INSTALLATION INSTRUCTIONS FOR BLOWER ASSEMBLY REPLACEMENT KIT
USED WITH SGH/SCH036 & 060 UNITS

Shipping and Packing List

Package 1 of 1 contains:

- 1- Blower assembly
- 1- Control harness (22J23, 22J24, 27J16, 27J17, 27J18, and 27J19 only)

!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 SGH/SCH036 & 060 units. See TABLE 1.

TABLE 1

Cat. No.	Assembly No.	Voltage
19H45/27J16	621156-01/621156-09	Y
19H46	621156-02	G, J
19H47*/27J17	621156-03/621156-10	Y
19H48*	621156-04	G, J
22J23/27J18	621156-07/621156-11	G, J
22J24*/27J19	621156-08/621156-12	G, J

*Corrosion protection

Kit Adapter Control Harness -

Use the kit harness and make the 9-pin control harness connection in the blower compartment on older model SGH/SCH units. Discard the kit harness when the control connector (J335 or Modbus harness) is located in the blower compartment. See FIGURE 2.

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.

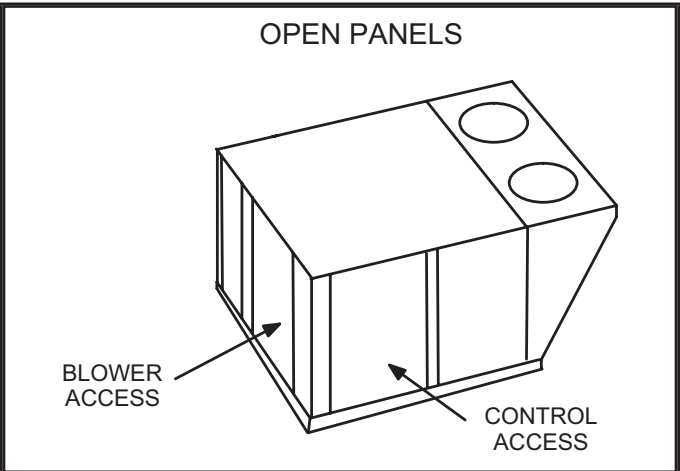


FIGURE 1

CONTROL HARNESS CONNECTOR LOCATION - SGH/SCH UNITS

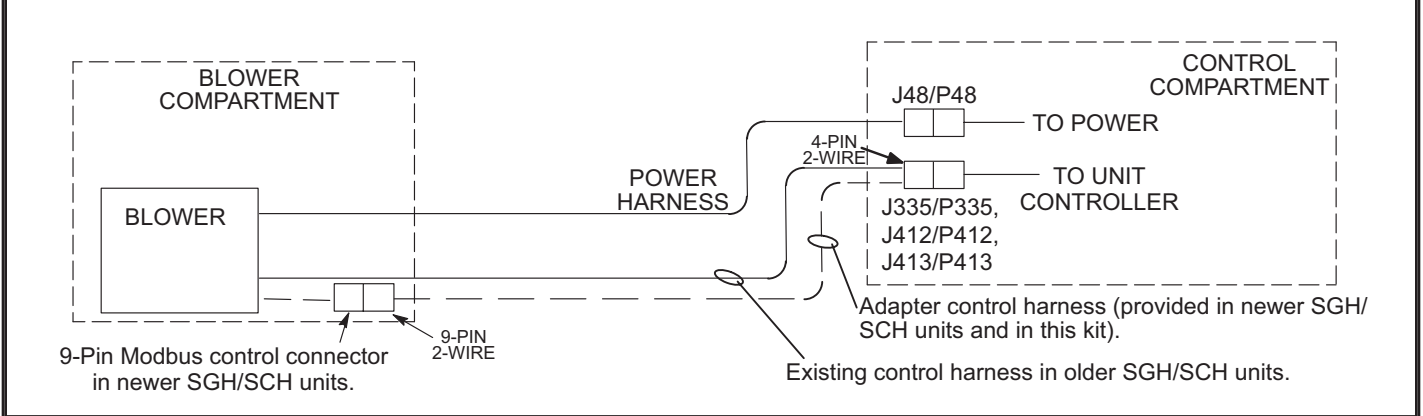


FIGURE 2

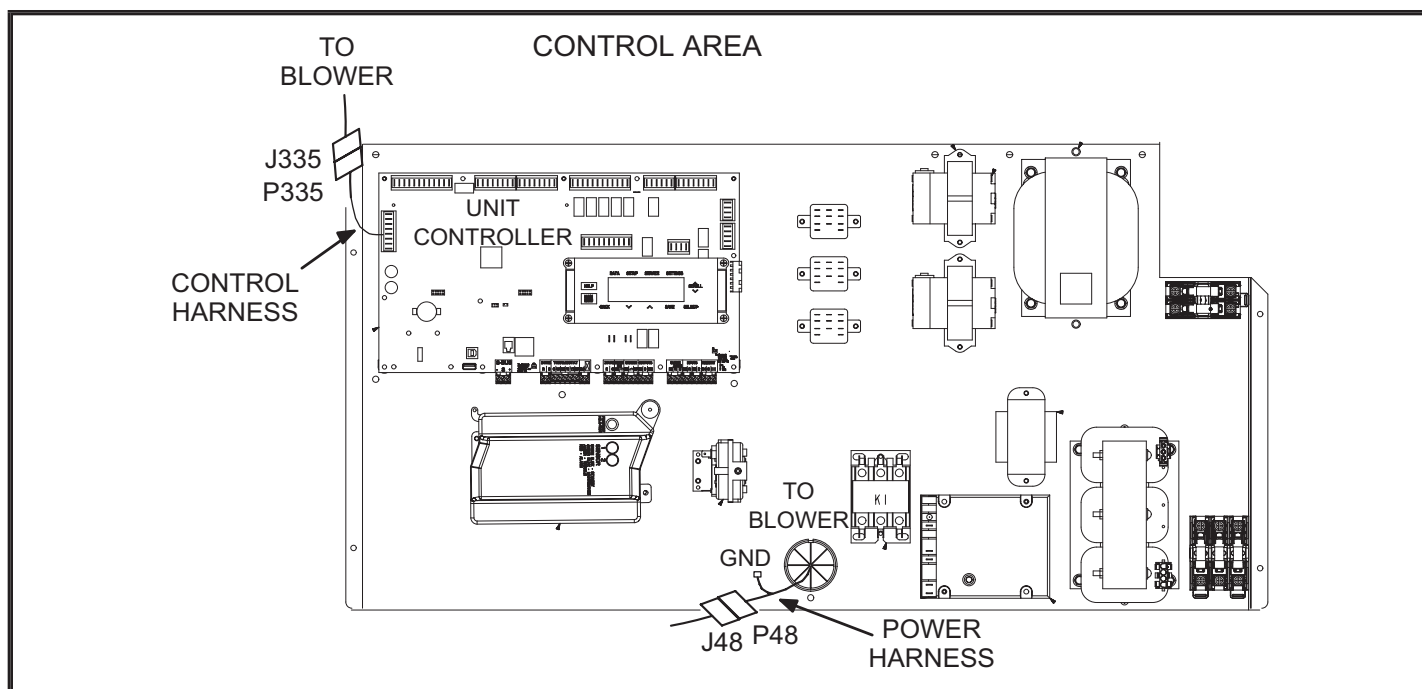


FIGURE 3

⚠ 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.

3 - For Units with M4 or Older

- Disconnect P48 harness (older units may require harness to be removed from control panel) and unscrew the GND terminal from the control panel. See FIGURE 3.

4 - Older SGH/SCH Units -

Disconnect J335 from P335 control connectors located in the control box.

Newer SGH/SCH Units -

Disconnect the Modbus 9-pin blower control plug located in the blower area.

5 - For Units with M4 Controllers

- Disconnect J48 from P48 in the blower area and unscrew the GND terminal from the blower deck.
- Disconnect the Modbus 9-pin blower control plug located in the blower area.

NOTE - The top panel may need to be raised to pull the control harness through the convoluted tubing in between the blower and controls section.

6 - Remove four screws securing blower assembly to unit. See FIGURE 4.

7 - If unit was equipped with a blower proving switch, remove switch from existing blower housing. Attach the proving switch to replacement housing in the

same manner it was removed.

8 - Use the handle on the blower assembly to slide the assembly out of unit.

9 - 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 4.

10 - Uncoil P48 power harness and Modbus control harnesses secured to replacement blower assembly. See FIGURE 5.

11 - Reconnect P48 in the same manner it was removed. Connect P48 to J48 and screw GND terminal to control panel as shown in FIGURE 3.

12 - Older SGH/SCH Units -

Locate harness provided in the kit and connect the 9-pin plug to the blower Modbus/P335 control harness. Route the J335 end of the harness through the unit to the control area in the same manner it was removed. Connect J335 to P335.

Newer SGH/SCH Units -

Discard the kit harness. Connect the Modbus plug in the blower area to the blower motor 9-pin control plug.

13 - Bundle harnesses and use wire ties to secure kit harnesses to unit harnesses in the same manner they were removed.

SLIDE BLOWER ASSEMBLY OUT OF UNIT

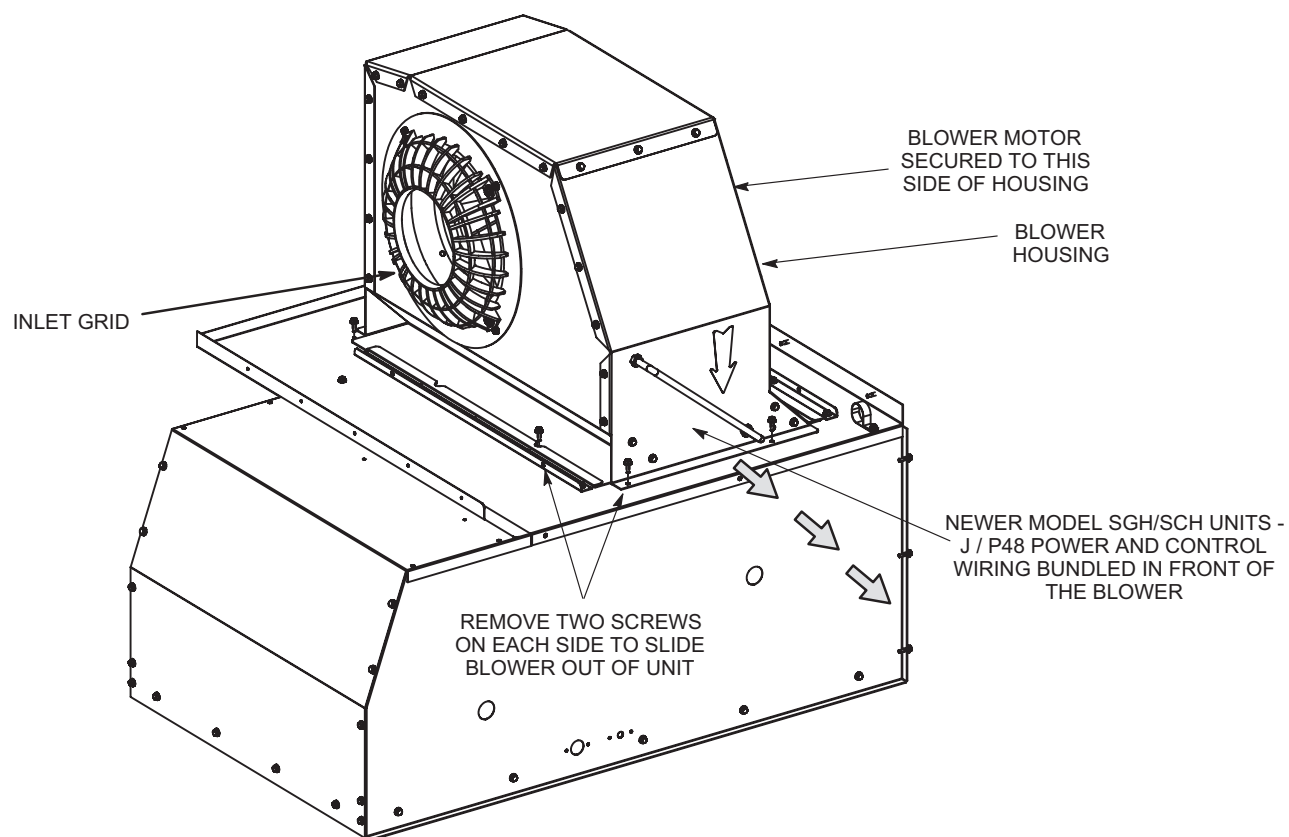


FIGURE 4

REPLACEMENT P48 AND P335/P412/P413 HARNESSES

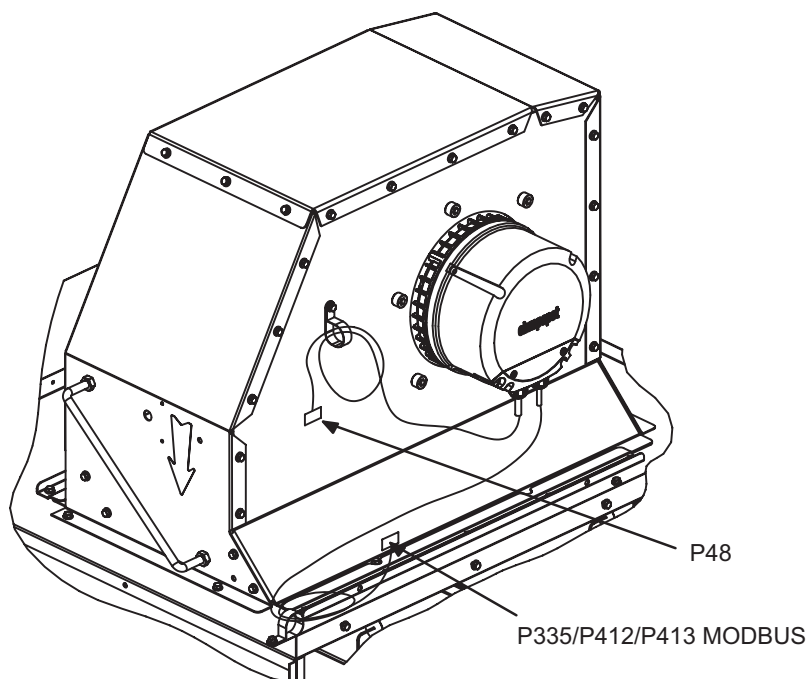


FIGURE 5