

Instructions for Assembling Replacement Venter Motor and Motor Mounting Plate

(Applies to Replacement Kits, P/N's 132377, 132378, 132379 for (C)(H)(HC)RP/RPV Series 3, 5 and 6 heaters and (H)(S)SC; SC(A)(B)(E) Series 3 and 5 heaters)

WARNING: Turn off the gas and the electric before servicing any heater.

All service should be performed by a qualified service technician.

Description/Application

These instructions apply to the replacement kits listed above. Each kit includes a venter motor with capacitor and a hardware bag including a selection of mounting plates.

Prior to installation on the heater, the replacement venter motor must be attached to a new mounting plate. To be multifunctional, the hardware package in each kit includes four motor mounting plates that are used with all voltages of motors. Selection of the appropriate mounting plate depends on the model and size of furnace being serviced.

| Components: | Qty | Description |
|-------------|-----|---|
| | 1 | Venter Motor Assembly |
| | 4 | Motor Mounting Plates, P/N 131445, 131446, 131447, and 131448 |
| | 2 | Locking Nuts #8-32, P/N 31522 |

Instructions

1. Verify Voltage Agreement

Check the replacement motor label and the heater rating plate to verify agreement of the motor voltage and the supply voltage of the furnace being serviced.

| Supply Voltage | 115V | 208V and 230V | 460V | 575V | |
|----------------------------------|------------------------|------------------------|-------------------|-------------------|-------------------|
| Kit P/N's | 132377 | 132378 | 132379 | 132377 | |
| Venter Motor Assembly in the Kit | 131410 | 131415 | 165986 | 131410 | |
| <i>Assembly includes:</i> | | | | | |
| *Motor | Reznor P/N Magnetek | 163891 JE1F026 | 163892 JE1F027 | 163893 JE1F026 | 163891 JE1F026 |
| *Capacitor | Reznor P/N Magnetek | 163894 #60P52-561-8 | | | |

2. Select the Mounting Bracket

In the listings below, locate the Model/Size of furnace being serviced. (NOTE: These instructions do not apply to RPV or SC Models prior to Series 3.) Measure each plate comparing its size to the diameter dimensions on the appropriate drawing. Select the motor mounting plate that applies to the furnace being serviced. (The other three mounting plates will not be used.)

| Furnace MODEL/SIZE | SELECT |
|---|----------------------------------|
| Applies to | <p>Mounting Plate P/N 131445</p> |
| RP 125-350 CRP 125-300 HRP 125-350 HCRP 125-300 | |
| 460V furnaces mfgd prior to 3/94 (ATC); 115/208/230/575V furnaces mfgd prior to 7/94 (ATG) | |
| RPV 125-350 CRPV 125-300 HRPV 125-350 HCRPV 125-300 | Series 3, 5, and 6 only |

| Furnace MODEL/SIZE | SELECT |
|--|--|
| Applies to | <p>Mounting Plate P/N 131447</p> |
| SC 125-300 HSC 125-300 SCA 125-300 SCB 125-300 SCE 125-300 | |
| Series 3 and 5 only | |
| SSC 250-300 | Duct furnaces in Packaged Models SSCBL 500 and 600 |

| Furnace MODEL/SIZE | SELECT |
|---|----------------------------------|
| Applies to | <p>Mounting Plate P/N 131446</p> |
| CRP 400 HCRP 400 | |
| 460V furnaces mfgd prior to 3/94 (ATC); 115/208/230/575V furnaces mfgd prior to 7/94 (ATG) | |
| CRPV 400 HCRPV 400 | Series 3, 5, and 6 only |

| Furnace MODEL/SIZE | SELECT |
|---|---|
| Applies to | <p>Mounting Plate P/N 131448</p> |
| RP 400 HRP 400 | |
| 460V furnaces mfgd prior to 3/94 (ATC); 115/208/230/575V furnaces mfgd prior to 7/94 (ATG) | |
| RPV 400 HRPV 400 | Series 3, 5 and 6 only |
| SC 350-400 HSC 350-400 SCA 350-400 SCB 350-400 SCE 350-400 | Series 3 and 5 only |
| SSC 350-400 | Duct furnaces in Models SSCBL 400/700/800/1050/1200 |

Instructions (cont'd)

3. Assemble the Motor and Bracket

With the bracket toward the motor, position the motor mounting plate assembly over two of the motor studs. Use the locking nuts in the hardware package to attach the bracket.

4. Remove and Install the Venter Motor Assembly

Mark and disconnect the venter motor wires. Remove the venter motor assembly from the heater, saving the hardware. Re-use that hardware to install the replacement motor and mounting plate assembled in Step 3.

Make wiring connections according to the wiring diagram.

Replace all panels.

Follow the instructions on the lighting instruction plate to re-light the furnace. **CHECK ALL SAFETY FEATURES FOR PROPER OPERATION.**

Thomas & Betts
