

VENTER MOTOR REPLACEMENT KIT INSTALLATION FOR DUCT FURNACES

MODELS RP, RPV, AND SC

⚠ WARNING ⚠

- All service should be performed by a qualified service technician.
- Turn OFF the gas and the electric before servicing any heater.

NOTE: These instructions do not apply to RPV or SC models prior to series 3.

GENERAL INFORMATION

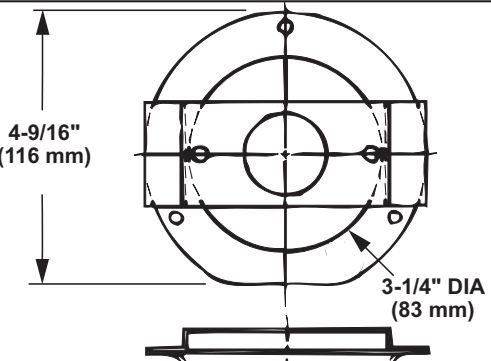
- Refer to the installation manual provided with the heater for important safety information.
- Ensure that all components listed in [Table 1](#) are available before beginning installation.

Table 1. Venter Motor Replacement Kit Components

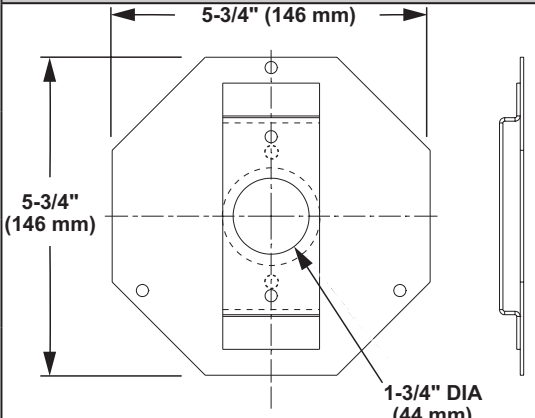
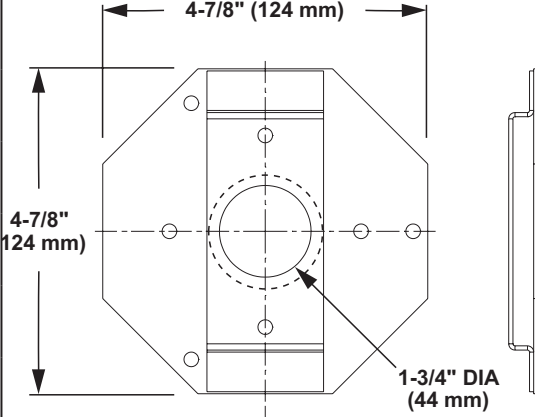
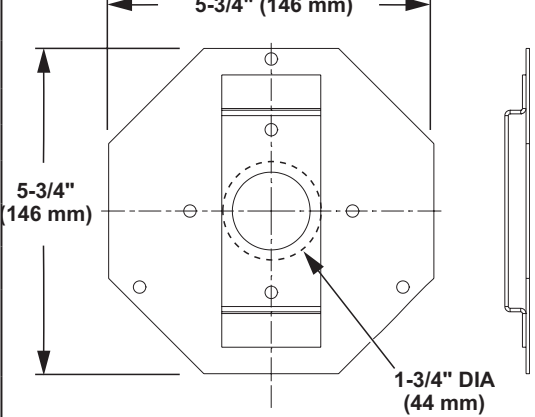
Component	Description	Supply Voltage		
		115V, 575V	208V, 230V	460V
		Kit PN		
		132377	132378	165986
PN (Quantity)				
Venter motor and capacitor	Assembly	131410 (1)	131415 (1)	165986 (1)
Venter motor	Magnetek #JE1F026	163891 (1)	—	163893 (1)
	Magnetek #JE1F027	—	163892 (1)	—
Capacitor	Magnetek #60P52-561-8	163894 (1)		
Mounting plate	Motor	131445 (1)		
		131446 (1)		
		131447 (1)		
		131448 (1)		
Locknut	#8-32	31522 (2)		

- Prior to installation on the furnace, the replacement venter motor must be installed on a new mounting plate. To be multifunctional, each kit includes four motor mounting plates for use with all voltages. Selection of the appropriate mounting plate depends on the model and size of furnace being serviced (refer to [Table 2](#)).

Table 2. Motor Mounting Plate Applicability

Motor Mounting Plate		Model	Unit Size	Applicability
Dimensions	PN			
	131445	RP	125–350	460V furnaces manufactured <i>before</i> MAR 1994 (serial No. code ATC) and 115V, 208V, 230V, and 575V furnaces manufactured <i>before</i> JUL 1994 (serial No. code ATG)
		CRP	125–300	
		HRP	125–350	
		HCRP	125–300	
		RPV	125–350	Series 3, 5, and 6
		CRPV	125–300	
		HRPV	125–350	
		HCRPV	125–300	

GENERAL INFORMATION—CONTINUED

Table 2. Motor Mounting Plate Applicability—Continued				
Motor Mounting Plate Dimensions	PN	Model	Unit Size	Applicability
 <p style="text-align: center;">5-3/4" (146 mm)</p> <p style="text-align: center;">5-3/4" (146 mm)</p> <p style="text-align: center;">1-3/4" DIA (44 mm)</p>	131446	CRP	400	460V furnaces manufactured <i>before</i> MAR 1994 (serial No. code ATC) and 115V, 208V, 230V, and 575V furnaces manufactured <i>before</i> JUL 1994 (serial No. code ATG)
		HCRP		
		CRPV	400	Series 3, 5, and 6
		HCRPV		
 <p style="text-align: center;">4-7/8" (124 mm)</p> <p style="text-align: center;">4-7/8" (124 mm)</p> <p style="text-align: center;">1-3/4" DIA (44 mm)</p>	131447	SC	125–300	Series 3 and 5
		HSC		
		SCA		
		SCB		
		SCE		
		SSC	250–300	Furnaces in unit sizes 500 and 600 of model SSCBL
 <p style="text-align: center;">5-3/4" (146 mm)</p> <p style="text-align: center;">5-3/4" (146 mm)</p> <p style="text-align: center;">1-3/4" DIA (44 mm)</p>	131448	RP	400	460V furnaces manufactured <i>before</i> MAR 1994 (serial No. code ATC) and 115V, 208V, 230V, and 575V furnaces manufactured <i>before</i> JUL 1994 (serial No. code ATG)
		HRP	400	
		RPV	400	Series 3, 5, and 6
		HRPV	400	
		SC	350–400	Series 3 and 5
		HSC		
		SCA		
		SCB		
		SCE		
		SSC	350–400	Furnaces in unit sizes 500 and 600 of model SSCBL

INSTALLATION

Install the replacement venter motor kit as follows:

⚠ CAUTION ⚠

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

1. Remove access panel(s).
2. Remove existing venter motor and wheel assembly:
 - a. Mark and disconnect venter motor wires.
 - b. Remove hardware that secures venter motor and wheel assembly to furnace and remove assembly. Remove hardware that secures venter wheel to motor shaft and remove wheel.
 - c. Save all hardware for reuse including support ring on SC models (see [Figure 1](#)).

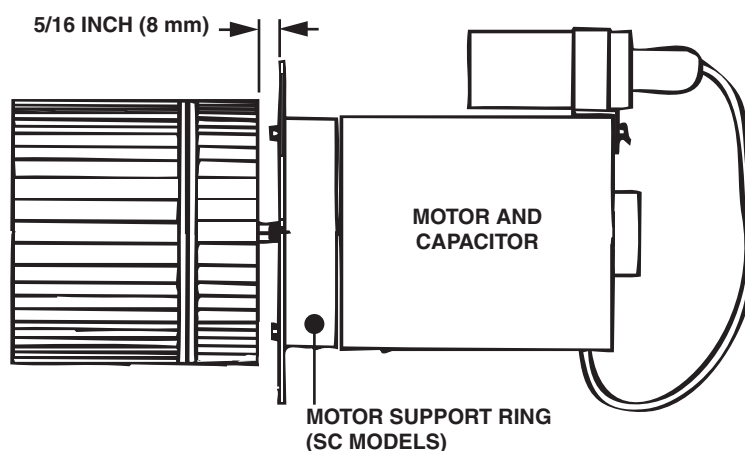


Figure 1. Venter Motor and Wheel Assembly

NOTE: IMPORTANT: When securing the motor to the motor mounting plate on SC models, slide the spiral spacers over the motor studs and install the motor support ring (PN 125346), which is required only on SC models.

3. Assemble replacement motor and mounting plate:
 - a. Select motor mounting plate in accordance with [Table 2](#). Remaining other three mounting plates in kit will not be used.
 - b. For RP and RPV models, position motor mounting plate over two motor studs with rectangular bracket toward motor.
 - c. For SC models, install existing spacers over motor studs and existing motor support ring over bracket on motor mounting plate. Position motor mounting plate over two of motor studs with rectangular bracket and support ring toward motor.
 - d. Secure motor studs to bracket using locknuts from kit.
4. Install replacement venter motor and wheel assembly:
 - a. Secure venter wheel to motor shaft on replacement motor using existing hardware. Ensure that there is 5/16-inch gap between wheel and motor mounting plate as shown in [Figure 1](#). Secure venter motor and wheel assembly to furnace using existing hardware.
 - b. Reconnect venter motor wires in accordance with wiring diagram provided with furnace.
5. Install access panel(s).
6. Follow instructions on lighting instruction plate to re-light furnace.
7. CHECK ALL SAFETY FEATURES FOR PROPER OPERATION.

