

HAZARD INTENSITY LEVELS

1. **DANGER:** Failure to comply will result in severe personal injury or death and/or property damage.
2. **WARNING:** Failure to comply could result in severe personal injury or death and/or property damage.
3. **CAUTION:** Failure to comply could result in minor personal injury and/or property damage.



**OPTIONS
CD10 AND CD12
GUARDS**

INSTALLATION FORM RZ 434/436-BG (Version A)
Obsoletes Form RGM 434/436-BG-1

APPLIES TO: **Models B and BE**

Option Description

These guard options provide protection from the rotating belt drive and/or blower components. Option CD12 is designed for use with Models B/BE 25-100 with a standard direct drive motor. This kit includes only the blower inlet guard. Option CD10 is designed for use on Models B/BE 50-400 with a belt driven motor and includes both the belt guard and the blower inlet guard.

Option CD12 (Pkg P/N 114548) includes:

Qty	P/N	Description
1	102474	Blower Inlet Guard
3	37661	Screws, #10-16 x 1/2" lg

Option CD10 includes:

Description	Model B/BE					
	50-125		130-165		200-400	
	Qty	P/N	Qty	P/N	Qty	P/N
Option Pkg P/N		101539		101540		101541
Blower Inlet Guard	1	102474	1	102475	1	102475
Screws, #10-16 x 1/2" lg for attaching blower inlet guard	3	37661		--	3	37661
Slotted hex head machine screws, #10 x 1-1/2" lg		--	3	110985		--
Nylon spacers		--	3	15346		--
Belt Guard Assembly	1	193796	1	193797	1	193795
Screws, #10 x 1/2" long	5	11813	3	11813	3	11813
Contacting Mounting Bracket *	1	101405		N/A		N/A

*The contacting mounting bracket (the flat sheet metal part with four holes - not illustrated) and the two additional sheetmetal screws are used only when the belt guard is being installed on a Model 75, 100, or 125 equipped with a motor contactor. Otherwise, these parts are not required and may be discarded.

Figure 1 - Optional Guards



Belt Guard (part of Option CD10)



**Blower Inlet Guard
(Option CD12 and part of Option CD10)**

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury or death. Read the installation, operation, and maintenance instructions thoroughly before installing or servicing this equipment.

INSTALLATION INSTRUCTIONS

Installation should be done by a qualified agency in accordance with the instructions on this sheet and in compliance with all codes and requirements of authorities having jurisdiction.

1. **If the heater is installed, turn off the gas and the electric power.**
2. **Install Blower Inlet Guard - Options CD10 and CD12**
 - a) Position the guard. See Figure 2.
 - b) Mark the mounting holes.
 - c) Drill 1/8" diameter holes.
 - d) Sizes 130 and 165 -- Attach with the 1-1/2" long screws and the spacers. Place the spacers between the blower guard and the side of the blower. (The spacers are required to prevent interference with blower operation.)
 - e) All Other Sizes -- Attach the guard with the 1/2" long screws.

Figure 2 - Blower Inlet Guard Installed



INSTALLATION INSTRUCTIONS (cont'd)

Option CD12 -- Installation of Option CD12 is complete. If the heater is installed, turn on the electric and the gas. Relight the heater according to the instructions on the lighting instruction plate.

Option CD10 -- To install the belt guard, continue to Step 3.

3. Installing the Belt Guard (follow steps in order)

• On Models 75-125 with a Contactor

If the belt guard is being installed on a Model 75, 100 or 125 that is equipped with a motor contactor, the contactor must be re-located to allow for installation of the belt guard. Remove the cover from the contactor and remove the two screws that hold the contactor to the blower housing. Leave the contactor "hanging" until after the belt guard is installed. Follow installation instructions for "All Models".

• All Models

1. Slide the back of the belt guard over the motor pulley. Centrally locate the belt guard so that no part of the pulley or belt rubs on the guard.
2. Holding the belt guard in place, mark the hole locations to attach the mounting supports to the blower housing. Remove the guard and drill 1/8 inch diameter holes.
3. Attach the belt guard to the blower housing using the screws provided.

INSTALLATION NOTE: It may be necessary to re-position the motor BX cable. The BX cable should be outside of the belt guard.

• On Models 75-125 with a Contactor

In the kit there is a new contactor mounting bracket. Position the contactor mounting bracket on the lower edge of the blower housing just below where the contactor is located. Drill 1/8" diameter holes in the blower housing and attach the mounting bracket. Attach the contactor to the mounting bracket and replace the contactor cover.

4. Installation of Option CD10 is complete.

Turn on the electric and the gas. Relight the heater according to the instructions on the lighting instruction plate. Check for proper operation.

