

CARRIER

52F Series

Installation Instructions

Installation Instructions

Do This First (for existing sleeve)

Note that the air conditioner dimensions are: 24" wide, 14½" high, and 19" deep (without front). Install Air Conditioner according to these installation instructions to achieve the best performance. Save these installation instructions for future reference.

Items in Kit

You may not need all parts in the kit. Discard unused parts.

	Qty.
Tapered Spacer Blocks	17" Long 2
Centering/Support Blocks	4½" x 3½" x 1½" 4
Plastic Divider	1/8" x 4½" x 14½" 2
Stuffer Seal	1" x 1½" x 84" 1
Seal	1" x 1½" x 25" 3
Seal	1" x 1½" x 14" 2
Seal	1" x 3/8" x 25" 3
Seal	1" x 3/8" x 14" 2
Seal	1" x 3/4" x 14" 2
Trim Frame (side legs)	2
Trim Frame (top & bottom legs)	2
Ground Wire (green)	1
Nut for grounding screw	1
Grounding Screw	1
Grille (plastic)	1
Grille Aluminum	1
Nuts (plastic)	4
Screw w/washer	4

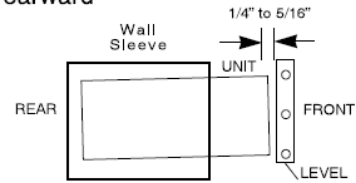
How to Install

1. Identify the wall-sleeve brand for your installation, from the chart below.

Brand	Wall Sleeve Dimensions (inches)				
	Width	Height	Depth		
White-Westinghouse Frigidaire Carrier (52F Series) General Electric/ Hotpoint Whirlpool	} 25½	15¼	16, 17½ or 22		
Fedders/Emerson			27	16¾ or 19¾	
Sears/Kenmore			25¾	16⅞	18⅞
Emerson/Fedders			26¾	15¼	15
Carrier (51S Series) Friedrich			25¾ 27	16⅞ 16¾	18⅞ 16¾

NOTE: All wall sleeves used to mount the new Air Conditioner must be in sound structural condition and have a rear grille that securely attaches to sleeve, or rear flange that serves as a stop for the Air Conditioner.

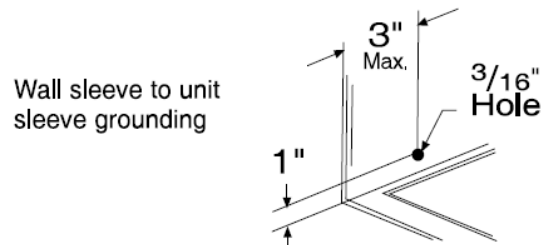
CAUTION: When installation is complete, replacement unit **MUST** have a rearward slope as shown.



2. Remove old Air Conditioner from wall sleeve and prepare wall sleeve as follows:

- Clean interior (do not disturb seals).
- Wall sleeve must be securely fastened in wall before installing Air Conditioner. Drive more nails or screws through sleeve, into wall, if needed.
- Repair paint if needed.

3. If not existing, drill a 3/16" clearance hole for grounding screw through left side of wall sleeve, in a clear area about 3 inches maximum (to suit) back from front edge of sleeve as shown below. Next attach ground wire inside sleeve, using grounding screw, nut washer pull loose end of ground wire out front of sleeve, and temporarily bend it down and around lower edge of sleeve.



4. Prepare the wall sleeve for installation of the new unit per the following Brand instructions.

#1 Emerson	15" Deep
#2 Fedders	19¼" Deep
#3 Fedders or Friedrich	16¾" Deep
#4 General Electric/Hotpoint	16⅞" Deep
#5 Sears or Carrier (51S Series)	18⅞" Deep
#6 Whirlpool	17⅞" Deep
#7 Whirlpool	23" Deep
#8 White-Westinghouse/Frigidaire/ Carrier (52F Series)	16" + 17½" Deep
#9 White-Westinghouse/Frigidaire	22" Deep

5. Install new unit into wall sleeve.

6. To attach ground wire to the new unit, remove the screw from the left side front.

7. Assemble and install the Trim Frame (see instruction).

This unit's increased performance characteristics result from having two rear air intakes.

It is very important that these installation instructions are followed so your unit can operate at maximum efficiency.

If there is an existing sleeve, and there is an existing rear grille, it needs to be replaced by one that has been shipped with the unit in the accessory kit.

FOR INCREASED EFFICIENCY, UTILIZE THE PROVIDED LOUVERED REAR PANEL

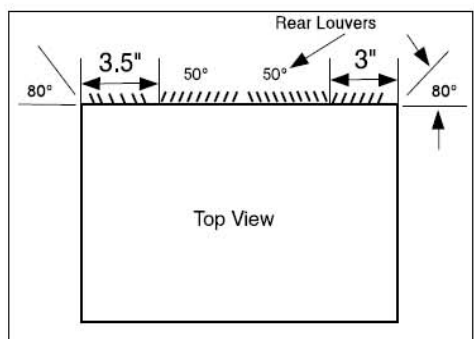
1. Remove the existing grille.
2. Place the included aluminum grille towards the rear of the unit.
3. Mark through the hole positions.
4. Drill through the sleeve flanges with a 1/8" drill bit.
5. Attach the new grille with self-threading screws and washers (not included).
6. It is VERY IMPORTANT that the grille is placed exactly as shown.



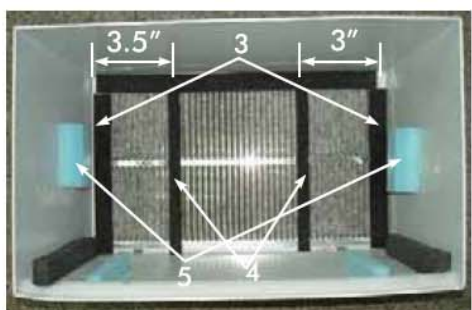
Wall Sleeve Brands:

#1 Emerson

15" Deep



1. Remove existing rear grille as shown on Page 2 of this manual and replace with provided louvered rear panel. Install as shown here.



2. Attach (1) 1" x 3/8" x 25" long seal in the center at the top of the sleeve. Remove the backing paper and press into position.
3. Attach (2) 1" x 3/8" x 14" seals to the left and right sides of the sleeve.
4. Cut (2) 1" x 3/8" x 25" long seals to 14" long each and attach to the vertical sections of the grille as shown.
5. Attach (2) 4 1/2" x 3 1/2" x 1 1/2" centering/support blocks one on each side wall. Place in center of side wall with the tapered end facing the opening.

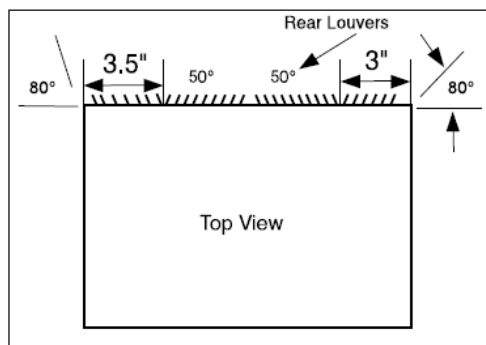


6. Gently slide unit into sleeve.
7. Before sliding all-the-way back, remove 2nd screw from front on left side of unit.
8. Remove the plastic washer from the screw.
9. Screw and attach the other end of the ground wire to the unit as shown in picture. Make sure that the toothed washer is against the cabinet.
10. Slide the unit completely to the rear to ensure a good seal, making sure the ground wire does not become tangled.
11. Seal & Frame the unit as described on the last page of these instructions.

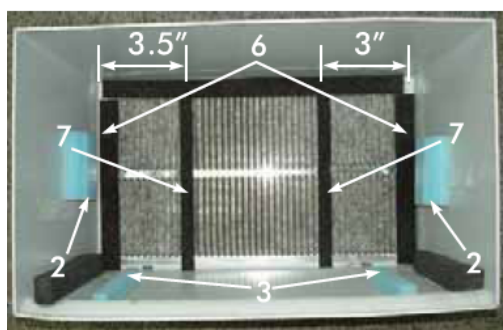
Wall Sleeve Brands:

#2 Fedders

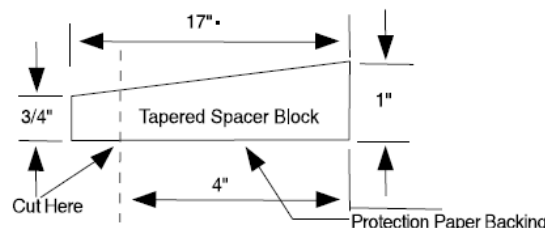
19 3/4" Deep



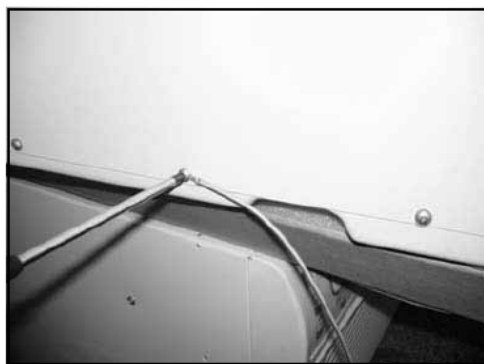
1. Remove existing rear grille as shown on Page 2 of this manual and replace with provided louvered rear panel. Install as shown here.



2. Attach (2) 4 1/2" x 3 1/2" x 1 1/2" centering/support blocks one on each side wall. Place in center of side wall with the tapered end facing the opening.
3. Cut (2) 17" Tapered Spacer Blocks as shown below into two pieces.



4. The 4" section is placed in front of the rib on base with the tapered end facing the back of the sleeve. The remaining portion will be placed behind the rib again sloping toward the rear of the sleeve. This helps induce a rearward slope on the unit.

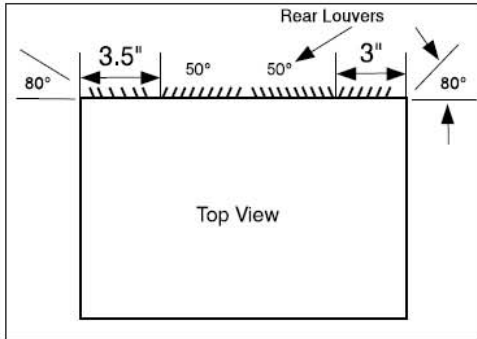


5. Attach (1) 1" x 3/8" x 25" long seal in the center at the top of the sleeve. Remove the backing paper and press into position.
6. Attach (2) 1" x 3/8" x 14" seals to the left and right sides of the sleeve.
7. Cut (2) 1" x 3/8" x 25" long seals to 14" long each and attach to the vertical sections of the grille as shown.
8. Gently slide unit into sleeve.
9. Before sliding all-the-way back, remove 2nd screw from front on left side of unit.
10. Remove the plastic washer from the screw.
11. Screw and attach the other end of the ground wire to the unit as shown in picture. Make sure that the toothed washer is against the cabinet.
12. Slide the unit completely to the rear to ensure a good seal, making sure the ground wire does not become tangled.
13. Seal & Frame the unit as described on the last page of these instructions.

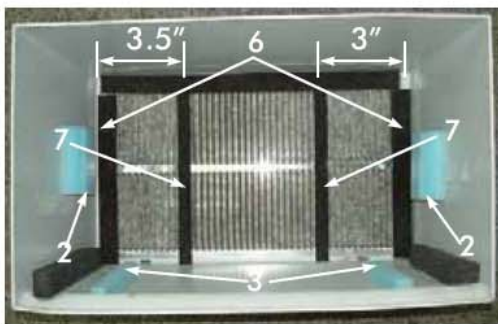
Wall Sleeve Brands:

#3 Fedders or Friedrich

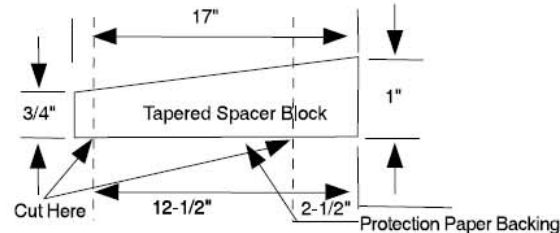
16 3/4" Deep



1. Remove existing rear grille as shown on Page 2 of this manual and replace with provided louvered rear panel. Install as shown here.



2. Attach (2) 4 1/2" x 3 1/2" x 1 1/2" centering/support blocks one on each side wall. Place in center of side wall with the tapered end facing the opening.
3. Cut (2) 17" Tapered Spacer Blocks as shown below into three pieces.



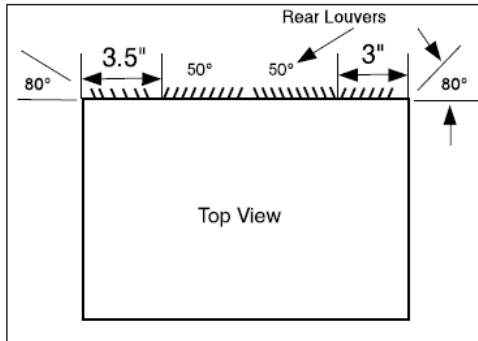
4. The 2 1/2" section is placed in front of the rib on base with the tapered end facing the back of the sleeve. Cut the remaining portion to 12 1/2" and place behind the rib again sloping toward the rear of the sleeve. This helps induce a rearward slope on the unit.
5. Attach (1) 1" x 3/8" x 25" long seal in the center at the top of the sleeve. Remove the backing paper and press into position.
6. Attach (2) 1" x 3/8" x 14" seals to the left and right sides of the sleeve.
7. Cut (2) 1" x 3/8" x 25" long seals to 14" long each and attach to the vertical sections of the grille as shown.
8. Gently slide unit into sleeve.
9. Before sliding all-the-way back, remove 2nd screw from front on left side of unit.
10. Remove the plastic washer from the screw.
11. Screw and attach the other end of the ground wire to the unit as shown in picture. Make sure that the toothed washer is against the cabinet.
12. Slide the unit completely to the rear to ensure a good seal, making sure the ground wire does not become tangled.
13. Seal & Frame the unit as described on the last page of these instructions.



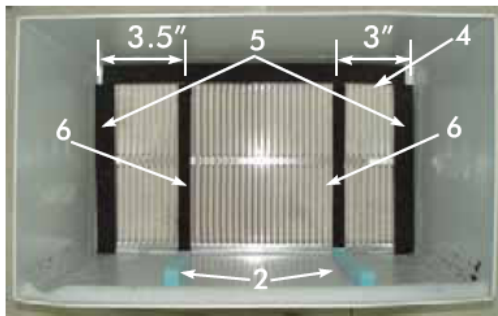
Wall Sleeve Brands:

#4 General Electric/Hotpoint

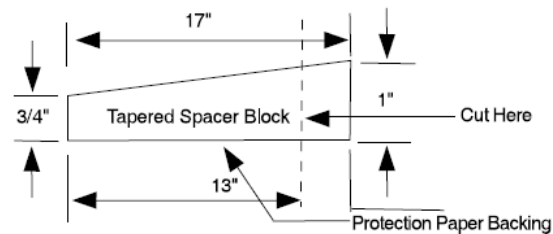
16 7/8" Deep



1. Remove existing rear grille as shown on Page 2 of this manual and replace with provided louvered rear panel. Install as shown here.



2. Cut (2) 17" Tapered Spacer Blocks as shown below into two pieces.



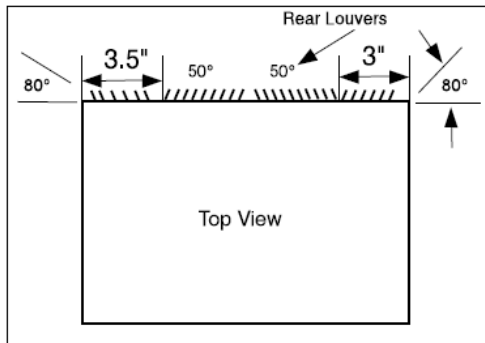
3. Install as shown with the tapered end 1/2" from the back of the sleeve. This helps induce a rearward slope on the unit.
4. Attach (1) 1" x 3/8" x 25" long seal in the center at the top of the sleeve. Remove the backing paper and press into position.
5. Attach (2) 1" x 3/8" x 14" seals to the left and right sides of the sleeve.
6. Cut (2) 1" x 3/8" x 25" long seals to 14" long each and attach to the vertical sections of the grille as shown.
7. Center unit & gently slide unit into sleeve.
8. Before sliding all-the-way back, remove 2nd screw from front on left side of unit.
9. Remove the plastic washer from the screw.
10. Screw and attach the other end of the ground wire to the unit as shown in picture. Make sure that the toothed washer is against the cabinet.
11. Slide the unit completely to the rear to ensure a good seal, making sure the ground wire does not become tangled.
12. Seal & Frame the unit as described on the last page of these instructions.



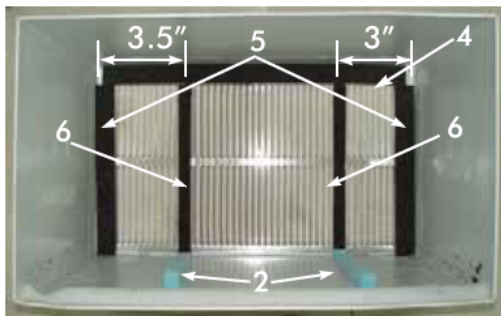
Wall Sleeve Brands:

#5 Sears or Carrier 51S Series

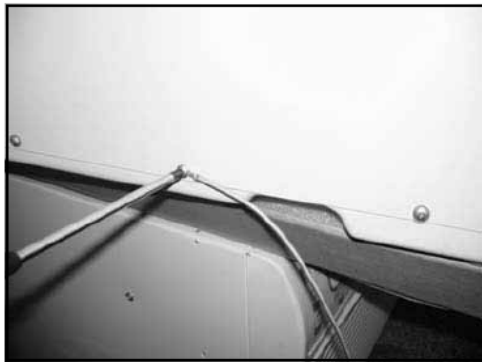
18 5/8" Deep



1. Remove existing rear grille as shown on Page 2 of this manual and replace with provided louvered rear panel. Install as shown here.



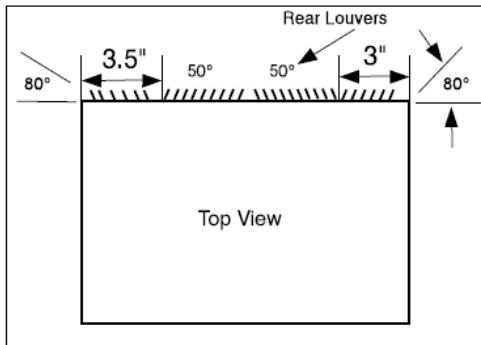
2. Install (2) tapered spacer blocks to the floor of the sleeve as shown. This helps induce a rearward slope on the unit.
3. Install as shown with the tapered end 1/2" from the back of the sleeve. This helps induce a rearward slope on the unit.
4. Attach (1) 1" x 3/8" x 25" long seal in the center at the top of the sleeve. Remove the backing paper and press into position.
5. Attach (2) 1" x 3/8" x 14" seals to the left and right sides of the sleeve.
6. Cut (2) 1" x 3/8" x 25" long seals to 14" long each and attach to the vertical sections of the grille as shown.
7. Center unit & gently slide unit into sleeve.
8. Before sliding all-the-way back, remove 2nd screw from front on left side of unit.
9. Remove the plastic washer from the screw.
10. Screw and attach the other end of the ground wire to the unit as shown in picture. Make sure that the toothed washer is against the cabinet.
11. Slide the unit completely to the rear to ensure a good seal, making sure the ground wire does not become tangled.
12. Seal & Frame the unit as described on the last page of these instructions.



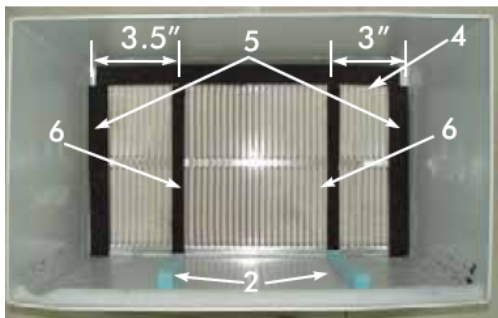
Wall Sleeve Brands:

#6 Whirlpool

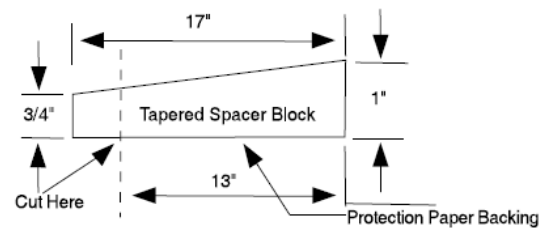
17 1/8" Deep



1. Remove existing rear grille as shown on Page 2 of this manual and replace with provided louvered rear panel. Install as shown here.



2. Cut (2) 17" Tapered Spacer Blocks as shown below into two pieces.



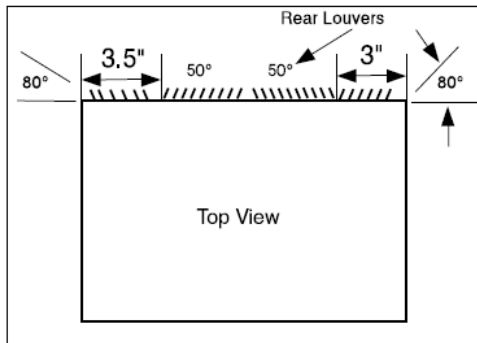
3. Install to the floor of the sleeve as shown. This helps induce a rearward slope on the unit.
4. Attach (1) 1" x 3/8" x 25" long seal in the center at the top of the sleeve. Remove the backing paper and press into position.
5. Attach (2) 1" x 3/8" x 14" seals to the left and right sides of the sleeve.
6. Cut (2) 1" x 3/8" x 25" long seals to 14" long each and attach to the vertical sections of the grille as shown.
7. Center unit & gently slide unit into sleeve.
8. Before sliding all-the-way back, remove 2nd screw from front on left side of unit.
9. Remove the plastic washer from the screw.
10. Screw and attach the other end of the ground wire to the unit as shown in picture. Make sure that the toothed washer is against the cabinet.
11. Slide the unit completely to the rear to ensure a good seal, making sure the ground wire does not become tangled.
12. Seal & Frame the unit as described on the last page of these instructions.



Wall Sleeve Brands:

#7 Whirlpool

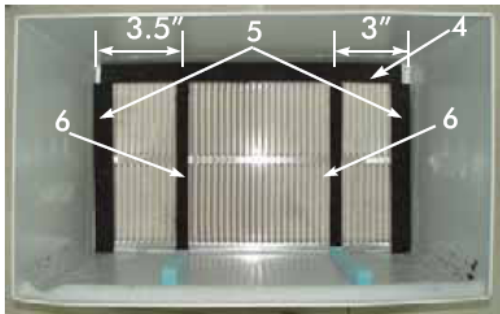
23" Deep



1. Remove existing rear grille as shown on Page 2 of this manual and replace with provided louvered rear panel. Install as shown here.

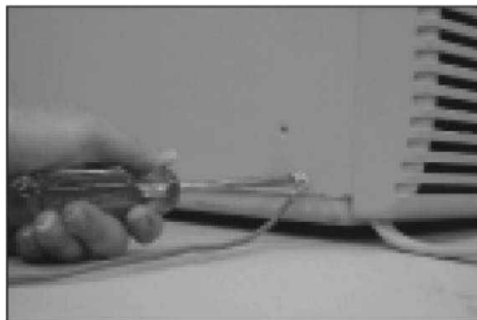
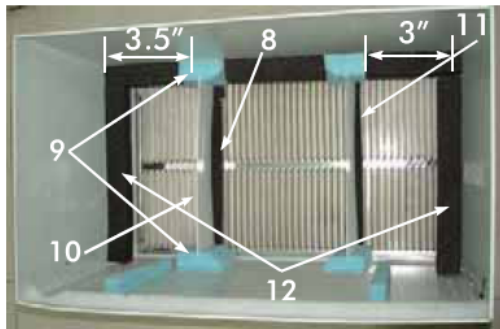
Because of the increased unit depth, first try dry fitting using the method described below:

1. Place (2) 1" x 1 1/2" x 14" seals against each side.
2. Gently slide unit in and check if amount extending from the sleeve is sufficient once the trim frame is attached.
3. If position is okay, remove unit and Proceed to the next step. If not go to step 8.
4. Attach (1) 1" x 1 1/2" x 25" long seal in the center at the top of the sleeve. Remove the backing paper and press into position.
5. Attach (2) 1" x 1 1/2" x 14" seals to the left and right sides of the sleeve.
6. Cut (2) 1" x 3/8" x 25" long seals to 14" long each and attach to the vertical sections of the grille as shown.
7. Attach the tapered spacer blocks to the floor of the sleeve. Now go to step 14.



Use these next steps if the unit requires extra extension into the room.

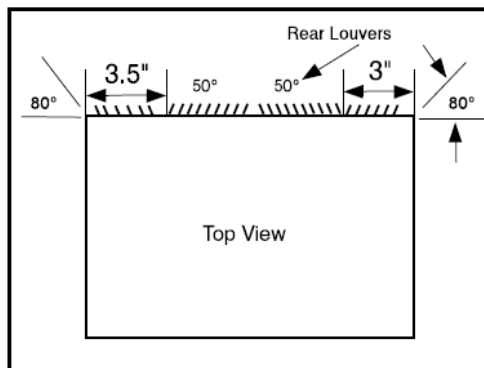
8. Attach 1" x 3/4" x 14" long seal over the solid vertical portion of the rear grille.
9. Attach (2) 4 1/2" x 3 1/2" x 1 1/2" foam blocks with the slot overlapping the seal above.
10. Install the divider into the slots of the foam blocks. You may need to trim the length to size.
11. Repeat steps 8-10 for the other vertical shown portion of the grille as shown in the picture
12. Attach (2) 1" x 1 1/2" x 14" seals along the sides of the sleeve again making sure all seals are flush.
13. Cut the 1" x 1 1/2" x 25" seal to fit the top of the sleeve. The pieces must be fitted flush to the edge of the divider.
14. Center unit & gently slide unit into sleeve.
15. Before sliding all-the-way back, remove 1st screw from front on left side of unit.
16. Remove the plastic washer from the screw.
17. Screw and attach the other end of the ground wire to the unit as shown in picture. Make sure that the toothed washer is against the cabinet.
18. Slide the unit completely to the rear to ensure a good seal, making sure the ground wire does not become tangled.
19. Seal & Frame the unit as described on the last page of these instructions.



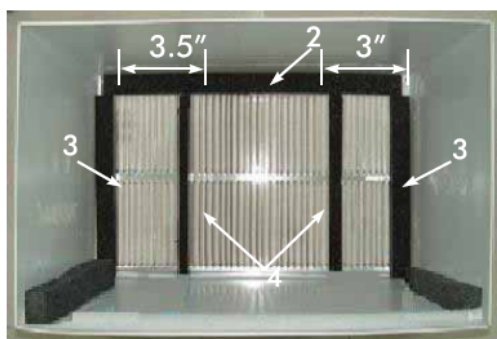
Wall Sleeve Brands:

#8 White Westinghouse/Frigidaire/
Carrier 52F Series

16" + 17 1/2" Deep



1. Remove existing rear grille as shown on Page 2 of this manual and replace with provided louvered rear panel. Install as shown here.



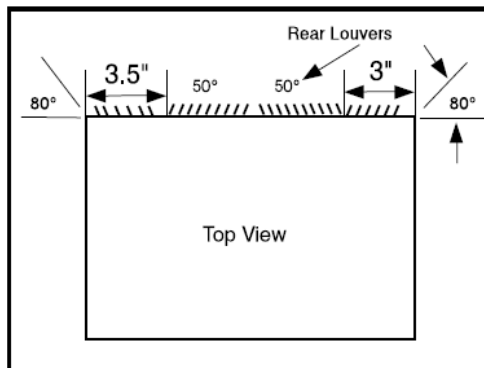
2. Attach (1) 1" x 3/8" x 25" long seal in the center at the top of the sleeve. Remove the backing paper and press into position.
3. Attach (2) 1" x 3/8" x 14" seals to the left and right sides of the sleeve.
4. Attach (1) 1" x 3/4" x 14" long seal vertically 3.5" from the left side of the sleeve. Attach the other 1" x 3/4" x 14" long seal 3" from the right side of the sleeve
5. Center unit & gently slide unit into sleeve.
6. Before sliding all-the-way back, remove 2nd screw from front on left side of unit.
7. Remove the plastic washer from the screw.
8. Screw and attach the other end of the ground wire to the unit as shown in picture. Make sure that the toothed washer is against the cabinet.
9. Slide the unit completely to the rear to ensure a good seal, making sure the ground wire does not become tangled.
10. Seal & Frame the unit as described on the last page of these instructions.



Wall Sleeve Brands:

#9 White Westinghouse or Frigidaire

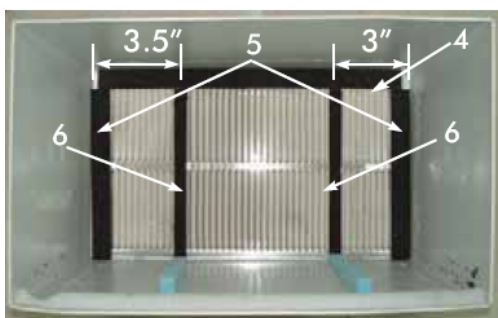
22" Deep



1. Remove existing rear grille as shown on Page 2 of this manual and replace with provided louvered rear panel. Install as shown here.

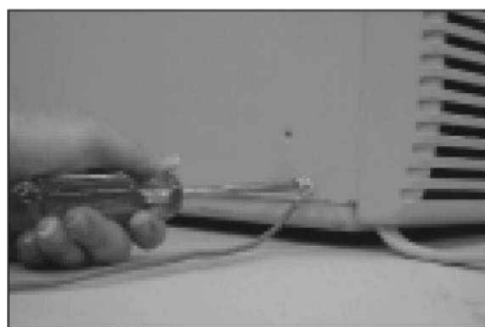
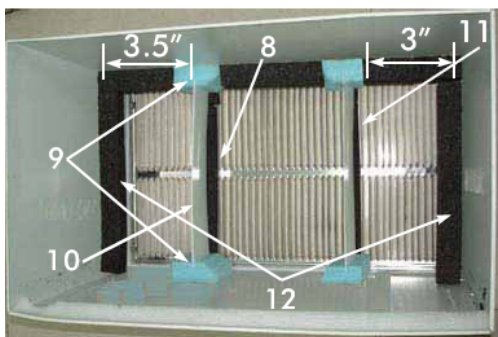
Because of the increased unit depth, first try dry fitting using the method described below:

2. Place (2) 1" x 1 1/2" x 14" seals against each side.
3. Gently slide unit in and check if amount extending from the sleeve is sufficient once the trim frame is attached.
4. If position is okay, remove unit and Proceed to the next step. If not go to step 8.
5. Attach (2) 1" x 1 1/2" x 14" seals to the left and right sides of the sleeve.
6. Cut (1) 1" x 1 1/2" x 25" long seal to 14" long and attach it vertically to the rear grill 3.5" from the left side. Repeat and attach 3" from the right side.
7. Attach (1) 1" x 1 1/2" x 25" long seal in the center at the top of the sleeve. Remove the backing paper and press into position. Proceed to step 14.



Use the next steps if the unit requires extra extension into the room.

8. Attach 1" x 3/4" x 14" long seal over the solid vertical portion of the rear grille.
9. Attach (2) 4 1/2" x 3 1/2" x 1 1/2" foam blocks with the slot overlapping the seal above.
10. Install the divider into the slots of the foam blocks. You may need to trim the length to size.
11. Repeat steps 8-10 for the other vertical shown portion of the grille as shown in the picture.
12. Attach (2) 1" x 1 1/2" x 14" seals along the sides of the sleeve again making sure all seals are flush.
13. Cut the 1" x 1 1/2" x 25" seal to fit the top of the sleeve. The pieces must be fitted flush to the edge of the divider.
14. Center unit & gently slide unit into sleeve.
15. Before sliding all-the-way back, remove 1st screw from front on left side of unit.
16. Remove the plastic washer from the screw.
17. Screw and attach the other end of the ground wire to the unit as shown in picture. Make sure that the toothed washer is against the cabinet.
18. Slide the unit completely to the rear to ensure a good seal, making sure the ground wire does not become tangled.
19. Seal & Frame the unit as described on the last page of these instructions.



FINISHING INSTALLATION:



1. Install the 1" x 1 1/2" x 84" long stuffer-seal between the wall-sleeve and the unit. A flat-bladed screwdriver or putty knife is recommended.



2. Assemble the trim frame by inserting top and bottom pieces into side pieces and snapping into place.



3. Pull cord through trim frame then slide over unit until flush with wall.

Carrier Corporation 2009

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