



Installation Instructions for your new RAK6053 Lateral duct adapter

Before you begin - Read these instructions completely and carefully.
IMPORTANT – OBSERVE ALL GOVERNING CODES AND ORDINANCES.
Note to Installer – Be sure to leave these instructions with the Consumer.
Note to Consumer – Keep these instructions with your Owner’s Manual for future reference.

Tools Needed

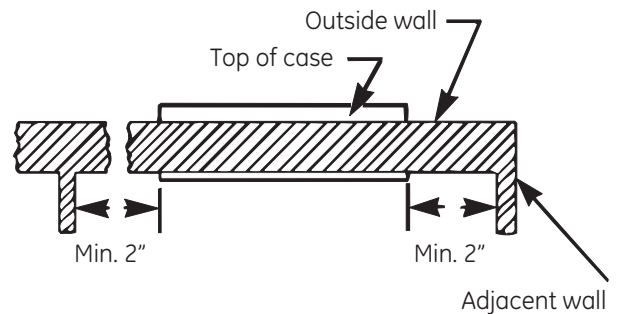
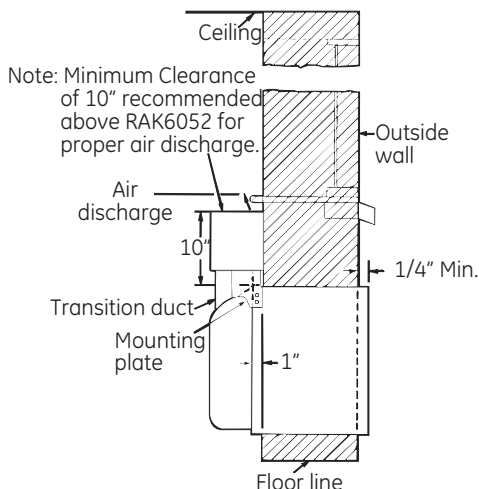
- Blade-type screwdriver
- Phillips head screwdriver
- Metal cutter
- 1/4" and 5/16" Nut drivers
- Drill and 7/32" bit

Parts Included

- Lateral duct adapter assembly
- Mounting plates (2)
- Metal seal strip
- Speed Clip (4)
- Screws (4)
- Foam gaskets (2)

STEP 1 Case preparation

1. The RAK6053 lateral duct adapter is used to modify the Zonline (AZ45 and AZ65 series) so that discharged air may be directed into a secondary room. After the RAK6053 lateral duct adapter is installed on the Zonline chassis and case, a 44" long lateral duct (RAK601B) may be attached to either the right or left end of the RAK6053 lateral duct adapter.

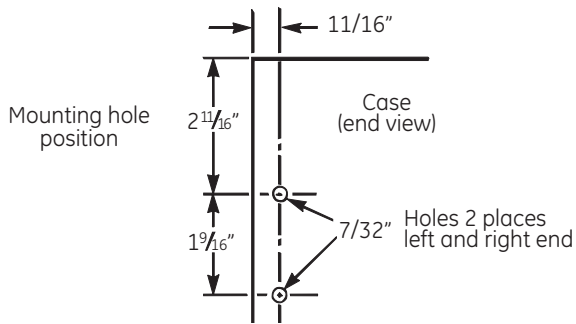


2. The RAB71* or RAB77* case should be installed in the wall according to instructions packed with the case, but using the following recommended dimensions:

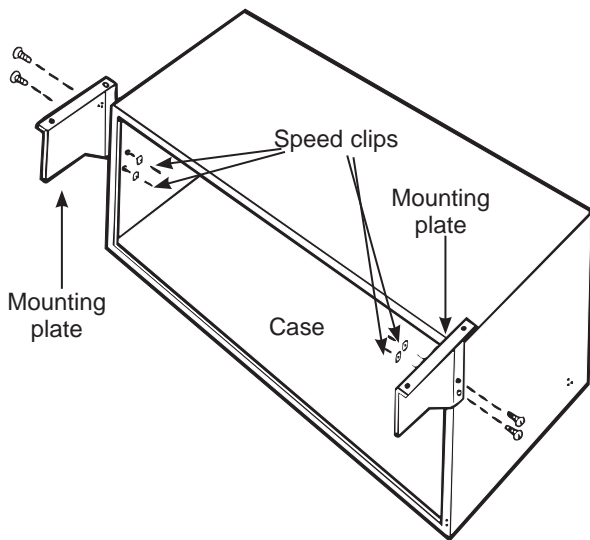
- Projection of case into room—1" min. This is critical to allow clearance for mounting plates and screws. If less than 1" of the case projects into the room, it will be necessary to allow for the additional width in the wall opening for the case.
- Projection of case to outside—1/4" min.
- Either side of case to adjacent wall—2" min. The case must be level, not tilted towards outside or inside. Be sure that drapes, window sill overhang, etc. will not interfere with air discharge from the completed lateral duct adapter.
- Non-obstructed wall surface above top of lateral duct adapter—10" min.

* All versions of wall cases.

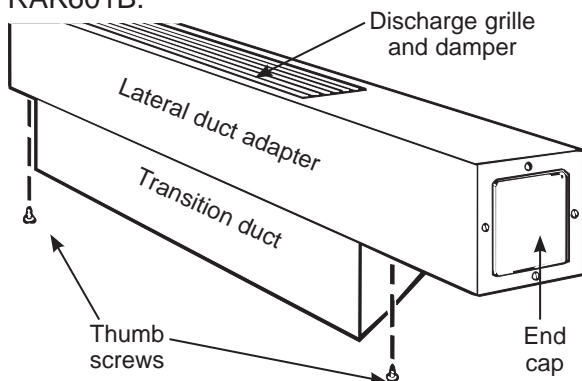
STEP 1 (continued)



3. Drill two 7/32" dia. holes into each end of the case for attachment of the mounting plates. A template is provided in these instructions. Mounting plates should be mounted before installing the case in the wall opening.
4. Attach the mounting plates to the case with four slotted screws provided. Secure on the inside of the case with speed clips provided.



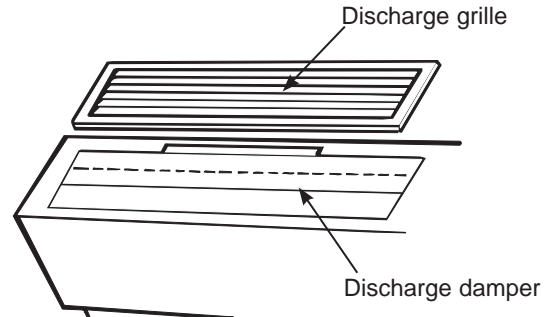
5. If necessary, transfer end cap to the opposite end of the adapter. The end cap is attached to the end NOT used for attaching extension duct RAK601B.



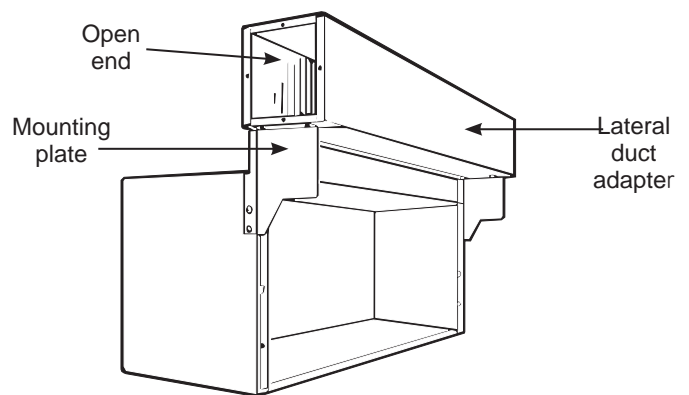
6. Separate the transition duct from the lateral duct adapter by removing the two thumb screws. Carefully slide the transition duct forward and off of the lateral duct adapter.

STEP 2 Adjust the discharge grille or damper

1. Check louvered discharge grille section. Louvers should point away from the wall and toward the room. If necessary, remove this grille section and turn 180°; reassemble.

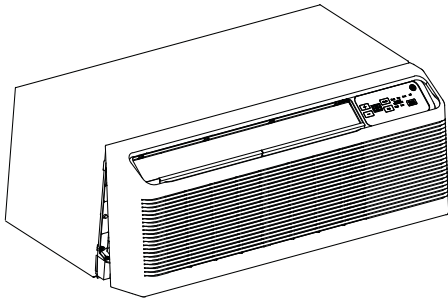


2. The air discharge damper on top of the lateral duct adapter can be changed for primary and secondary room air distribution.
3. Install new damper under grille on top of lateral duct adapter for 70% air discharge into primary room (room which the unit is installed) and 30% discharge into secondary (adjacent) room. By not installing the new damper, air distribution will be 80% Primary room and 20% secondary room. To install the new damper, place damper centered in the exist grille such that the flange on damper lays inside the grille flange. Place grille over the hole in the duct adapter, ensuring the damper does not fall out of place and secure with the four screws removed in step 1.
4. Attach the duct adapter to the case mounting plates with the screws provided.

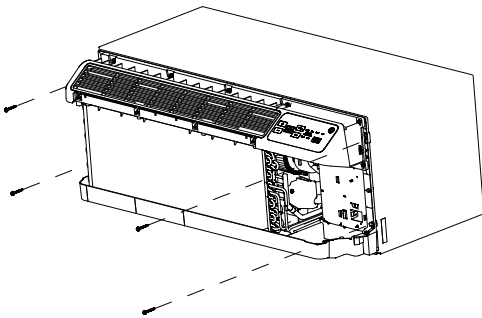


STEP 3 Chassis modification and installation

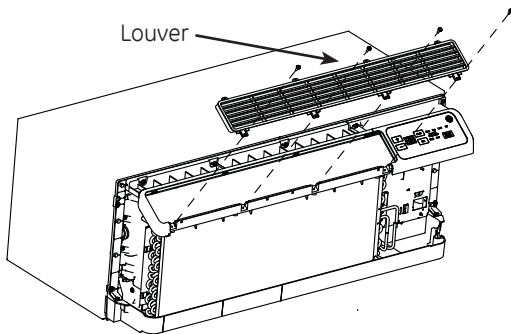
1. Remove the room cabinet front by pulling out at the bottom to release it. Lift it up to clear the rail along the chassis top.



2. Slide the chassis into the case and secure with the four screws supplied with the Zoneline unit through the chassis flange holes.

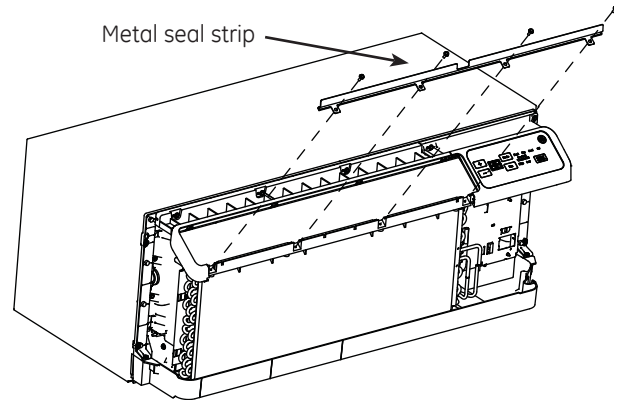


3. Remove and save the four screws securing the louver to the chassis. Lift up and remove louver.

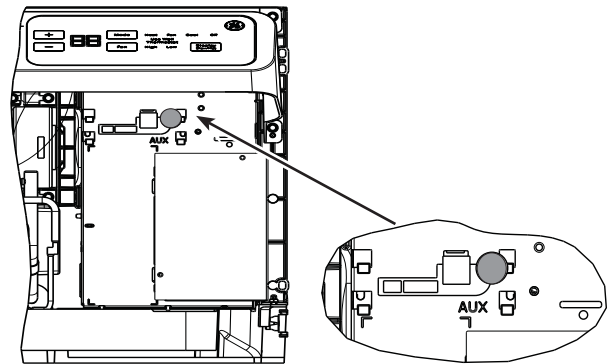


STEP 3 (continued)

4. Align the metal seal strip as shown and secure with the four louver mounting screws.

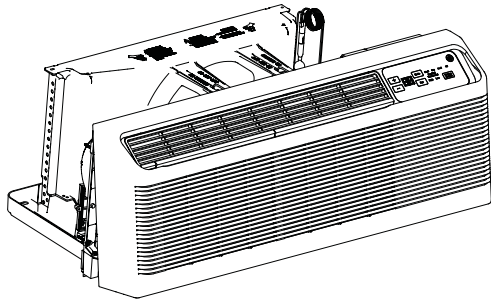


5. Reconnect power and check operation. Insure the unit is in duct mode. To do this, turn unit off. Press the red "AUX" button and press "mode" button repeatedly until mode 7 appears. Press '+' button to enable. Press "AUX" button again to confirm and exit selection.

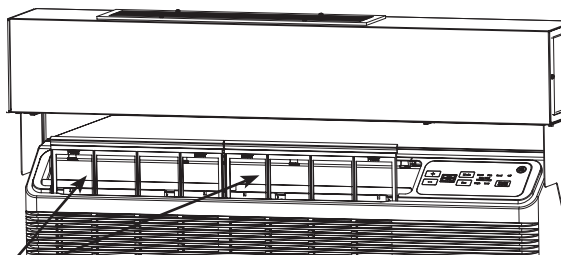


STEP 3 (continued)

6. Reinstall the room cabinet front by hooking the top over the rail along the chassis top. Push it in at the bottom.

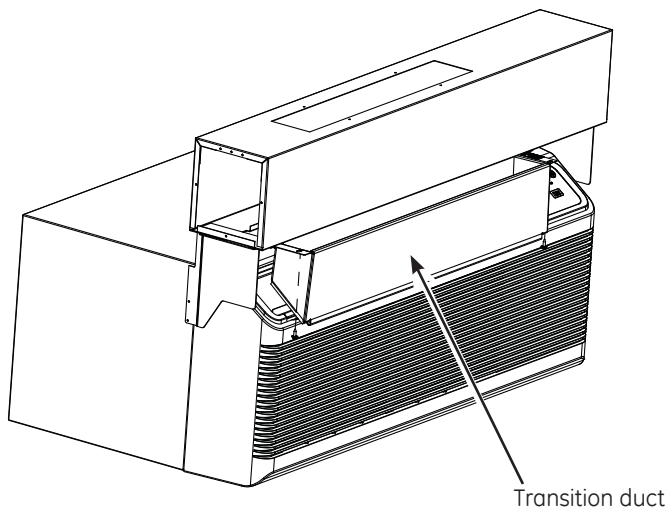


7. Remove the air filters from room cabinet front.



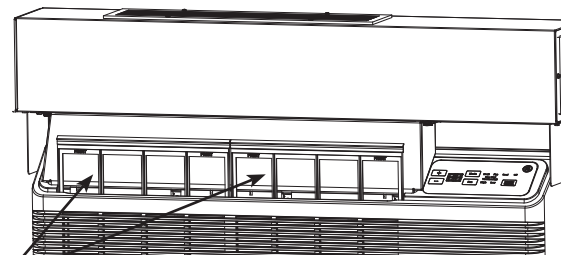
Air Filters

8. Slide the transition duct into place under the adapter and secure it with the two thumb screws.



Transition duct

9. Reinstall air filters into unit.

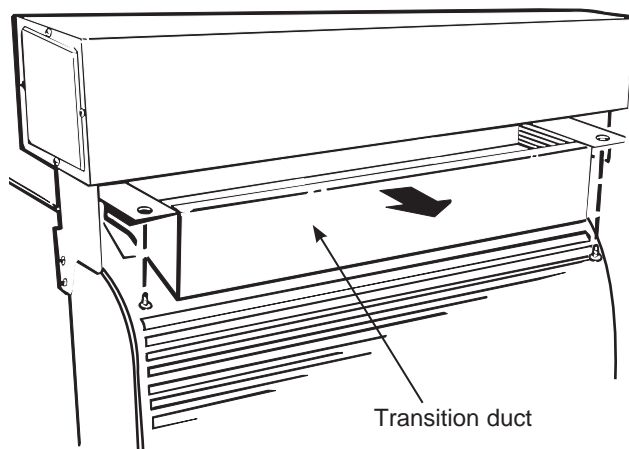


Air Filters

STEP 4 Removal of the chassis from the case for service

NOTE: If it becomes necessary to remove the chassis from the case, the following procedure should be performed.

1. Remove the two thumb screws securing the transition duct to the bottom of the duct adapter.
2. Carefully slide the transition duct forward to remove it from the chassis.
3. Remove the room cabinet front.
4. Remove the chassis from the case for service.



Transition duct

Top edge

Top edge

Right case side

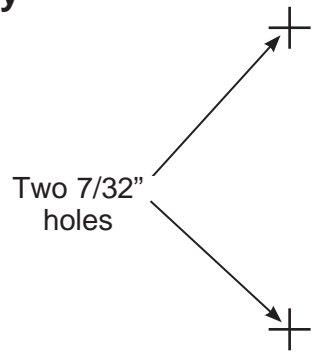
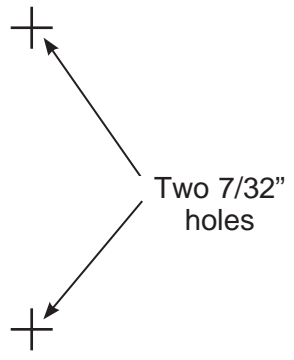
Left case side

Template for locating holes for mounting plate attachment

CAUTION:
Photocopying of this template may result in a distortion of the template layout. Use only the original copy with each instruction.

Front edge

Front edge



Cut along this line and align template with edges of the case sides.

