

Installation Instructions

Part Number: OA2-SDSML-CD, OA2-SDLGS-CD, OA2-SDLGB-CD

Read these instructions completely before attempting to install the accessory outside air packages.


SAFETY CONSIDERATIONS

Installation and servicing of this equipment can be hazardous due to mechanical and electrical components. Only trained and qualified personnel should install, repair, or service this equipment.

Untrained personnel can perform basic maintenance functions such as cleaning and replacing air filters. All other operations must be performed by trained service personnel. When working on this equipment, observe precautions in the literature, on tags, and labels attached to or shipped with the unit and other safety precautions that may apply.

Follow all safety codes. Installation must be in compliance with local and national building codes. Wear safety glasses, protective clothing, and work gloves. Have fire extinguisher available.

Read these instructions thoroughly and follow all warnings or cautions included in literature and attached to the unit.

Recognize safety information. This is the safety alert symbol . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury. Understand these signal words: DANGER, WARNING, and CAUTION. These words are used with the safety alert symbol. DANGER identifies the most serious hazards which will result in severe personal injury or death. WARNING signifies hazards which could result in personal injury or death. CAUTION is used to identify unsafe practices which may result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which will result in enhanced installation, reliability, or operation.

WARNING

ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury or death.

Electrical shock can cause injury or death. Disconnect power supply and install lockout tag before attempting to install accessory.

CAUTION

CUT HAZARD

Failure to follow this caution may result in personal injury.

Sheet metal parts may have sharp edges or burrs. Use care and wear appropriate clothing.

General

These accessory outside air damper packages can be used in either a horizontal or vertical discharge application. In addition to the package including the hood / damper, a filter rack is also included. Use caution not to damage indoor coil during installation of the filter racks.

Vertical Return Installation: Hood Package

1. Remove the cover panel shipped on the HVAC unit covering the horizontal return air opening. It can be discarded. NOTE: Some 1 Phase units may not have horizontal cover panels.
2. Caulk or gasket the back of the mating flanges on the Replacement Panel shipped with this package. Install the panel over the horizontal return air opening on the HVAC unit. Screw in place through pre-punched holes. Fig. 1.
3. Caulk or gasket the back side of the outside air hood. Secure the hood to the Replacement Panel as shown in Fig. 2. Screw in place through pre-punched holes.

TABLE 1

| | | |
|--------------|-----------------------|---------------------|
| OA2-SDSML-CD | 11 13/32" (289.718mm) | 17 4/8" (447.675mm) |
| OA2-SDLGS-CD | 15 9/16" (395.287mm) | 17 5/8" (447.675mm) |
| OA2-SDLGB-CD | 15 9/16" (395.287mm) | 17 5/8" (447.675mm) |

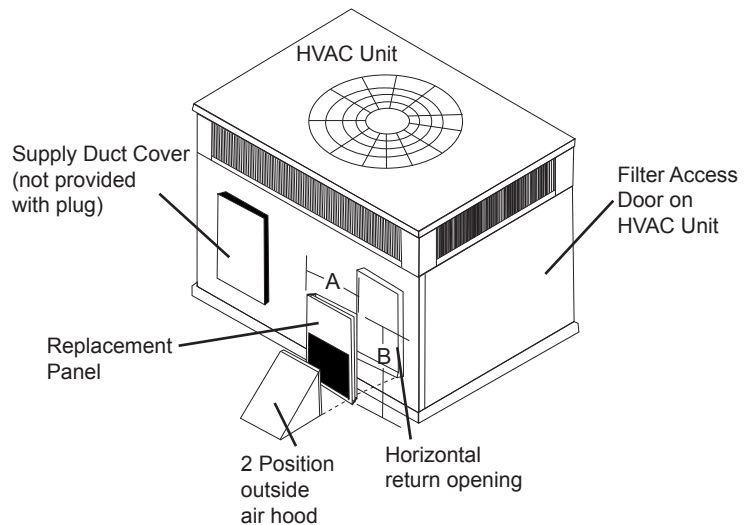
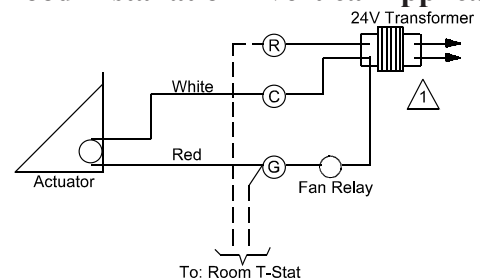



Fig. 1 - Hood Installation - Vertical Application



 Unit transformer must have an additional 10 V.A. if not, optional transformer must be used.

IMPORTANT!

Unit transformer must have an additional 10 V.A. if not, optional transformer must be used

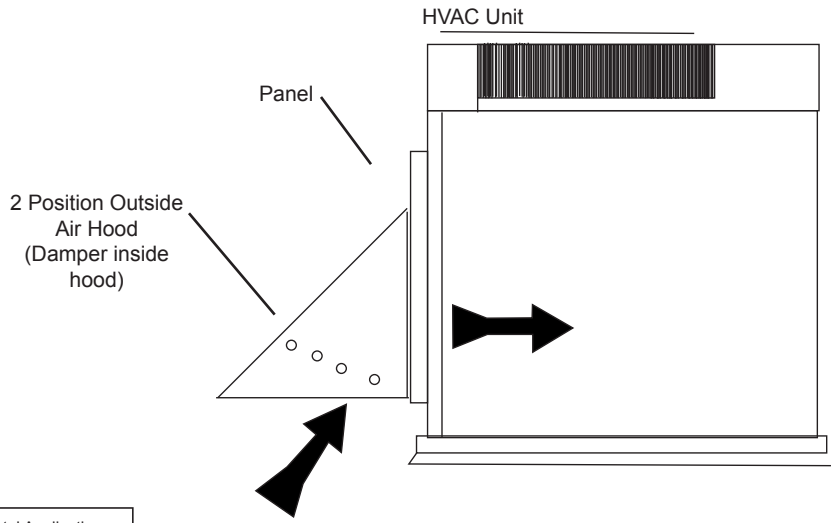


Fig. 2 - Vertical Application - Side View

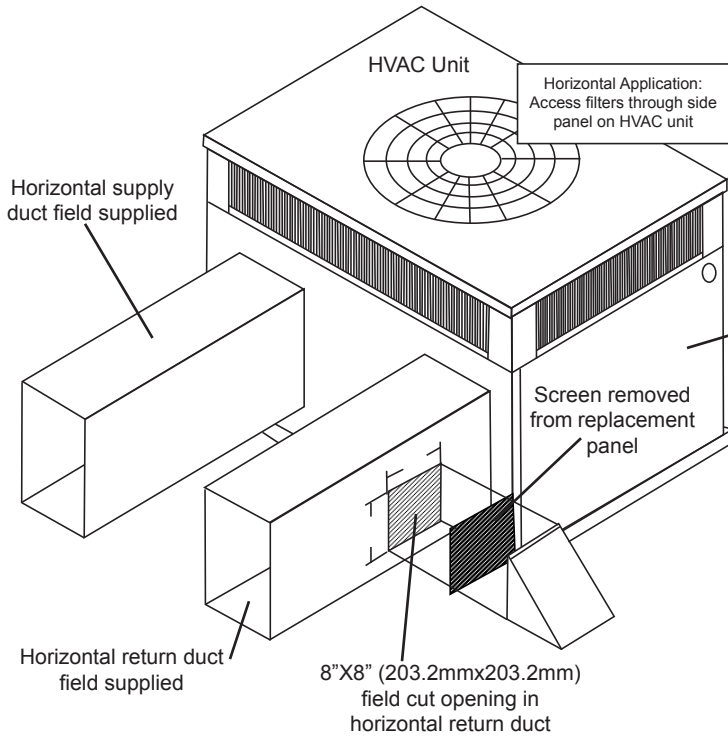


Fig. 3 - Hood Installation - Horizontal Application

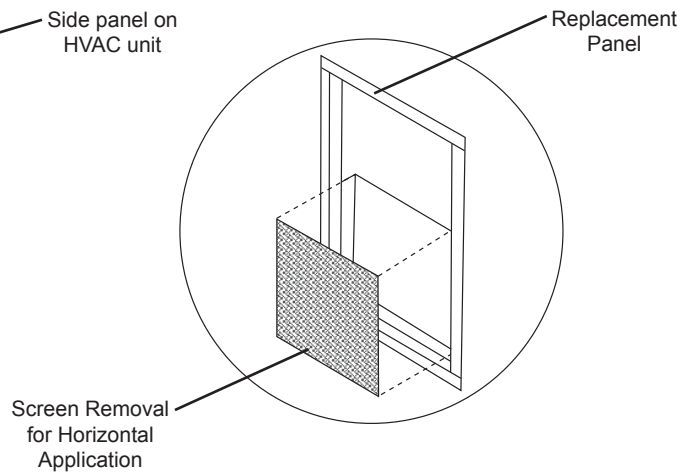
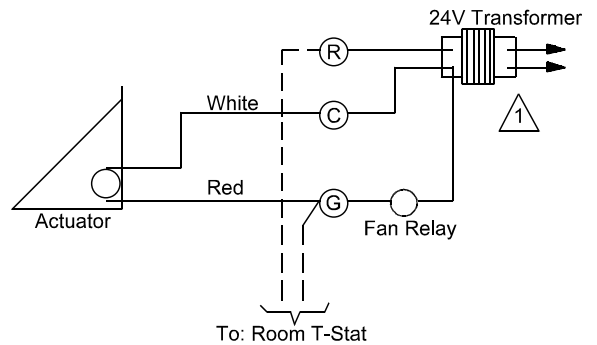


Fig. 4 - Screen Removal Detail

Horizontal Return Installation: Hood Package

1. Install field provided return air duct over the horizontal return opening per HVAC unit instructions. See Fig. 3.
2. Cut 8" x 8" (203.2mm x 203.2mm) square opening side of horizontal duct. Fig. 3.
3. Remove screen from replacement panel shipped with hood package and screw in place over the cut out in duct. Fig. 4. The panel can be discarded.
4. Caulk or gasket the back side of the outside air hood. Secure the hood over the cutout with screen. Screw to return duct.



1 Unit transformer must have an additional 10 V.A. if not, optional transformer must be used.

IMPORTANT!
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Filter Rack Installation

1. Remove the filter access panel on the HVAC unit. Fig. 5.
2. Install the top filter rack in the HVAC unit next to the indoor coil. Lift rack to the top of the return chamber and screw rack into coil frame on both the left and right side. Be careful not to insert screws where coil damage could occur. If using 2" (50.8mm) filters remove filter spacer. Fig. 6.
NOTE: On the top filter rack for the small cabinet, screw left side to coil frame. On the right side, bend the tab on the rack (as shown in illustration) and screw to unit divider, Fig. 7. Hold height dimension shown in Fig. 7.
3. Install the bottom filter rack in the HVAC unit next to the indoor coil. Filter rack will rest on the HVAC base and screw into the left and right side of the coil frame. Be careful not to insert screws where coil damage could occur.
4. Install filters in rack. See Table 2 for sizes.
NOTE: On the large cabinet with bent coil, the 18x24 (457.2x609.6mm) filter must be installed first.
5. Replace filter access door on HVAC unit.

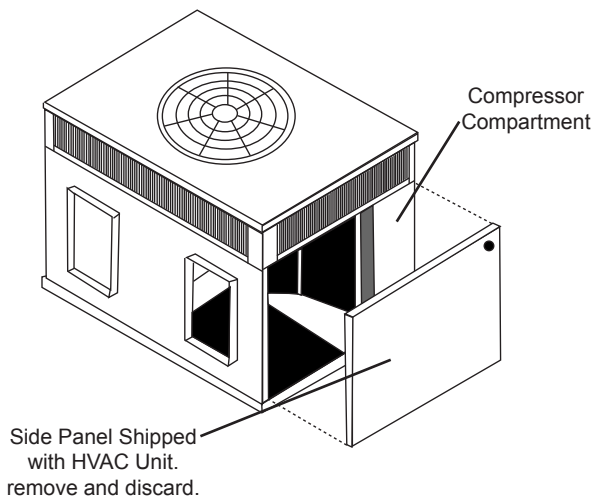


Fig. 5 - Panel Removal

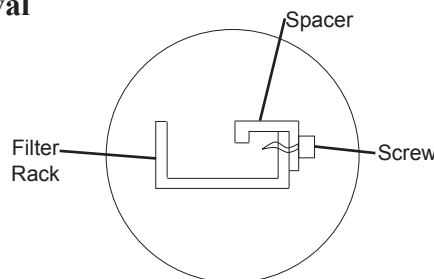


Fig. 6 - Filter Rack Detail

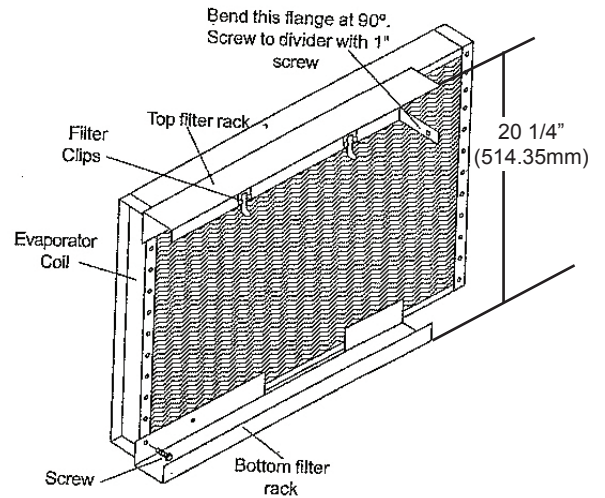


Fig. 7 - Filter Rack

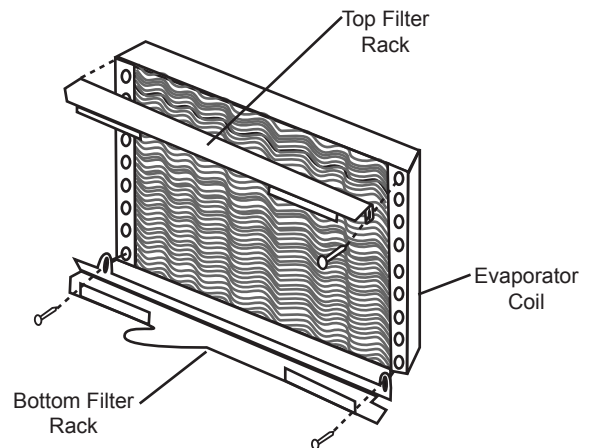


Fig. 8 - Filter Rack

| TABLE 2 | |
|--------------|--|
| OA2-SDSML-CD | (2) 12 X 20* (304.8 X 508mm) |
| OA2-SDLGS-CD | (1) 14 X 24 (355.6 X 609.6mm) (1) 16 X 24 (406.4 X 609.6mm) |
| OA2-SDLGB-CD | (1) 16 X 24 (406.4 X 609.6mm) (1) 18 X 24** (457.2 X 609.6mm) |

* If using 2" (50.8mm) filters use (1) 12 X 20 (304.8 X 508mm) and (1) 10 x 20 (254 X 508mm) filters.

**Install 18 X 24 (457.2 X 609.6mm) filter first.

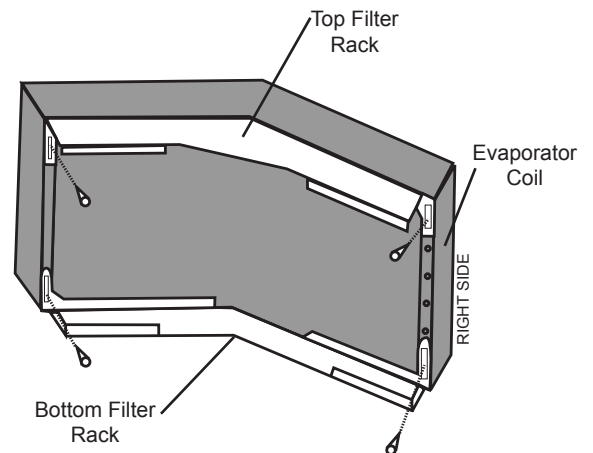


Fig. 9 - Filter Rack

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