

VORTEX

RETURN AIR BULKHEAD

Introduction

Prior to installation, mark the front wall of the trailer, the center of the reefer unit and the center of the vertical support posts as illustrated in *Figure 1*.

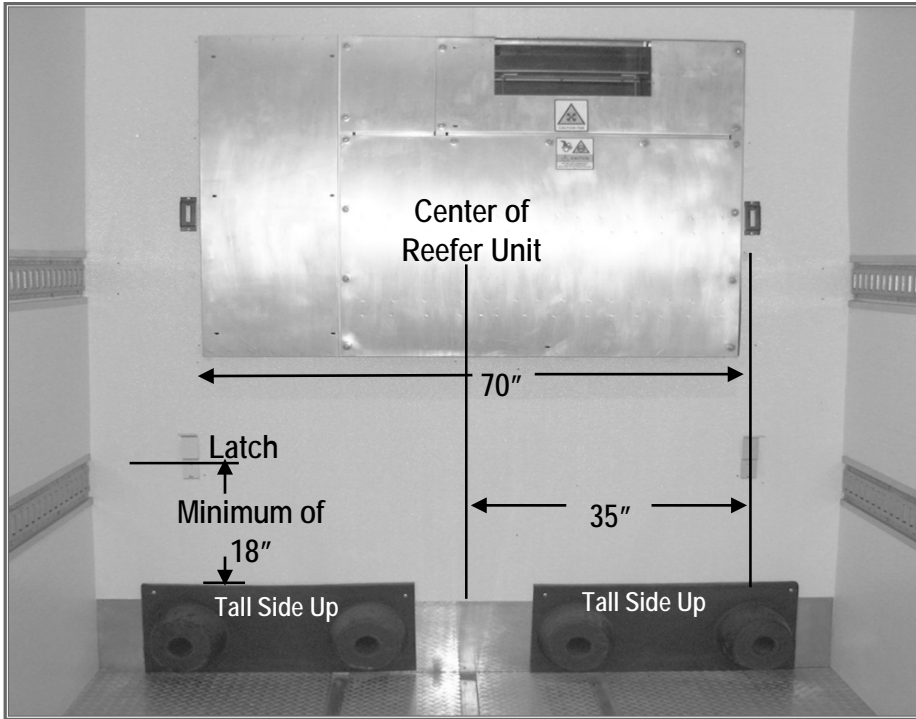


FIGURE 1



FIGURE 2

Installation

1. Begin by mounting each pallet stop as shown in *Figure 1*.
2. Position the pallet stop so the tall side is at the top.
3. Place the shorter side on the floor or into the drain trough if present.
4. Pre-drill and fasten with 2 1/2" self-threading metal screws and washers provided into the vertical posts.
5. Additional wood screws may be used if necessary.
6. Install both latches shown in *Figure 1*.
7. Locate the two vertical posts that support the reefer unit.

NOTE: Each latch is mounted 35" from center of the unit or 70" apart (measured from the mounting screw hole) and a minimum of 18" from the **top mounting hole on the latch** to the **top of the pallet stop**.

NOTE: If installation of the latch interferes with the mounting stud covers, always mount the latch on the high side of the mounting stud covers as shown in *Figure 2*.

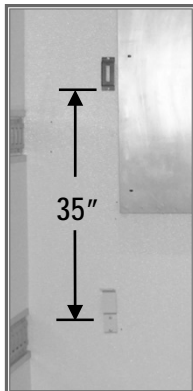
NOTE: For proper installation, the bulkhead must not contact the pallet stops regardless of the style used.

NOTE: If the reefer unit has side air intake holes, the Vortex must be raised enough to cover them.

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BOTTOM
HOLE
of "A"
Track



TOP
HOLE
of Latch

Figure 3

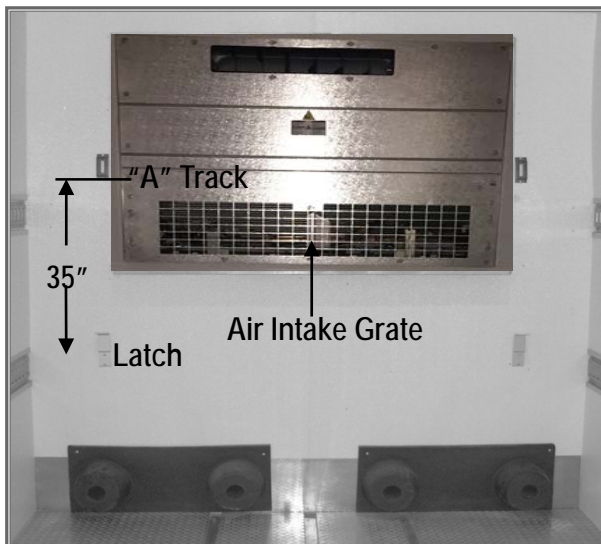


Figure 4



Figure 5

8. Measure the post and screw the "A" track as shown in Figure 3 and Figure 4.
9. Each "A" track piece is installed 35" from the **top mounting hole on the latch** to the **bottom mounting hole on the "A" track**.
10. Pre-drill and fasten with 2 1/2" self-threading metal screws.

NOTE: Before you can install the Vortex, you must finish installing the filter screen. Each of the support cones has a metal tab on it.

11. Fold each tab out.
12. Pull the screen down over the metal tabs.
13. Fold the tabs flat.
14. Slide the corresponding holes in the Vortex over the metal latches.
15. Push the Vortex to the front wall and down to seat the Vortex firmly on the latches.

NOTE: When installing with Carrier Transicold's Vector™ Refrigeration Unit -- Shielding tape is included with this unit and must be placed on the backside of the Vortex to cover the air intake grate located on the face side of the Vector unit, shown in Figure 4.

16. Once the bulkhead is seated firmly on the latches you must note and mark where the Vector air intake grate lines up on the Vortex bulkhead.
17. Remove the bulkhead from the front wall.
18. Apply the self-adhesive tape to the backside of the Vortex in the area marked in Figure 5.
19. Reinstall the Vortex to the front wall provided in Step 14 and Step 15.

NOTE: The strap at the top of the bulkhead has been updated to include a ratchet. The ratchet and "E" clip do not come installed.

20. The bulkhead strap must be threaded through the ratchet.
21. Once completed, *attach* the strap to each "A" track piece and ratchet securely in place.