TOWABLE RV ENTRY DOOR

OEM INSTALLATION MANUAL

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Introduction

This RV entry door comes completely assembled with door lock, standard push down screen knob, standard raised kick panel and standard soft screen door corners. Snap trim and drip cap are sold separately. Required mounting fasteners are not included.

Safety

Read all instructions and safety labels before starting installation of this product.

⚠WARNING

This Warning symbol indicates that the following procedure may create a condition where severe product and/or trailer damage, serious personal injury or death may occur if stated precautions are not followed.

⚠CAUTION

This Caution symbol indicates that the following procedure may create a condition where product and or trailer may be damaged and personal injury may occur if stated precautions are not followed.

⚠CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

Resources Required

- 1-2 People, depending on task
- Cordless or electric drill or screw gun
- Appropriate drive bits
- Appropriate drill bits
- Caulk gun
- Gunnable sealant
- Putty tape or closed cell PVC foam tape
- #8 Screws (quantity depends on size of the door) - length must be long enough to penetrate sidewall framing. If a strut bracket is installed, the #8 screw must be long enough to penetrate through the strut bracket into the trailer's frame.

NOTE: For wood frame construction, do not use self-tapping screws.

Installation

Exterior Frame Installation

Steps 1-10 of the installation must be performed with the door assembly in the closed position. Step 11 must be performed with the door assembly in the open position.

NOTE: The door is shipped with a jig (Pg. 4, Fig. 3A) holding the doors together to prevent deformation. Leave the jig in place until step 10 of the instructions.

NOTE: Spacer blocks come installed in the door assembly to hold and properly space the door in the frame.

1. Verify size of door opening is correct. Door "call" size is the required rough opening size. The actual door size will be undersized by ½" in width and height. (i.e. 26" x 72" door requires an opening of 26" x 72" but the actual door size will be 25 ½" x 71 ½").

NOTE: The rough opening size tolerance is +/-⅛" for width and - ¼" on height. A rough opening of +/- 3⁄16" for the width is a Fail; +/-¼" or over for the width is a Critical Fail.

NOTE: The opening squareness measured corner to corner is +/- ⅛". Squareness measured +/-3⁄16 is a Fail; over ¼" is a Critical Fail.

2. Install sealant tape around back side of the screw track frame. Lippert recommends using putty tape or closed cell PVC foam tape.

NOTE: Excessive putty tape or foam tape in the plunger opening may restrict full engagement of the latching mechanism.

3. Make sure that the door is sealed along the bottom, either on the lip of the opening or the edge of the floor.

NOTE: The deadbolt should be disengaged at this point.

4. Set the door in the wall opening, so that the bottom edge sets flat on the floor and the hinge side is flush against the opening.

NOTE: If the door is offset to the latch side, the plunger may hit the side wall framing and not engage completely.

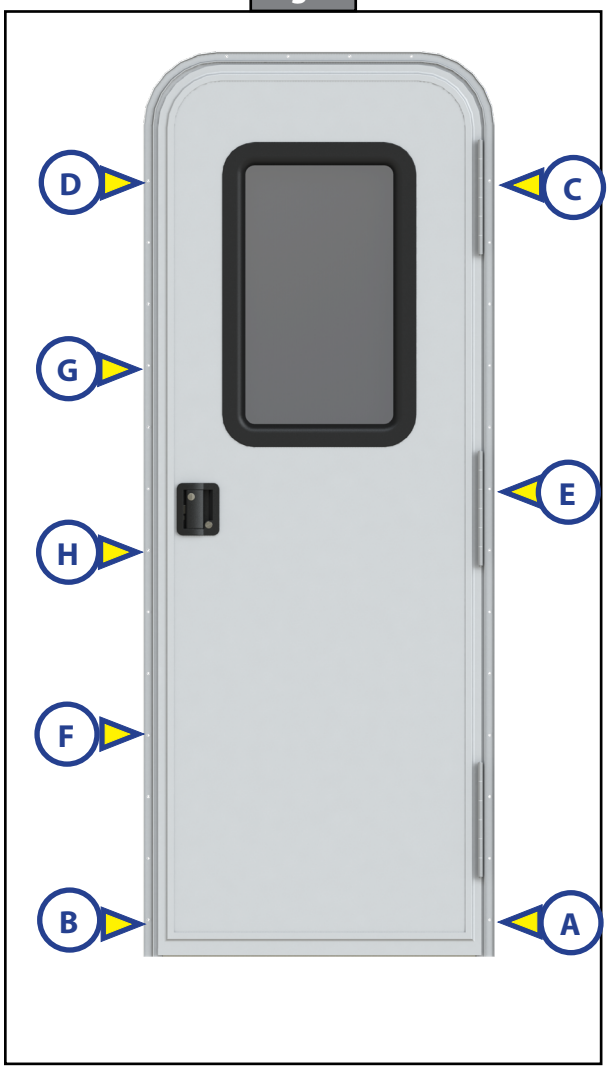
5. Install a #8 screw in the hole nearest the bottom hinge (Fig. 1A) and another #8 screw in the hole near the bottom of the latch side (Fig. 1B).

6. Install a #8 screw in the hole near top hinge (Fig. 1C).

7. Make sure door sets evenly in the frame and that the frame on the latch side maintains a gap of at least ¼". Next, install a #8 screw into a hole near the top of the door on the latch side (Fig. 1D).

8. Install the next four #8 screws in alphabetical order (Fig. 1E-1H).

Fig. 1



9. Install #8 screws in remaining pre-drilled holes on the door frame.

NOTE: Each pre-drilled hole in the outer frame should be filled. Do not use additional screws.

NOTE: Screws must be installed straight on the latch side of the door. Screws installed at an angle will cause the door frame to twist and may prevent the door from opening properly. This can also result in latch damage.

NOTE: On stick and tin trailers, install screws at the ridges of the siding metal first, then valleys.

10. If installed, remove the jig (Fig. 2A) holding the screen and entry doors together.

11. Remove the spacer blocks on the entry door after the door is installed.

NOTE: There is a spacer block (Fig. 3A) on the very bottom of the door.

Fig. 2

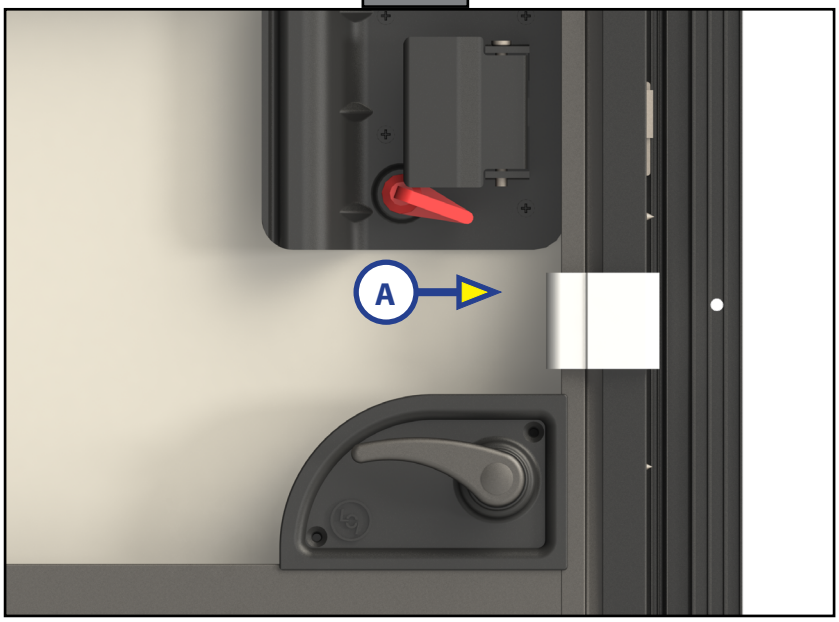
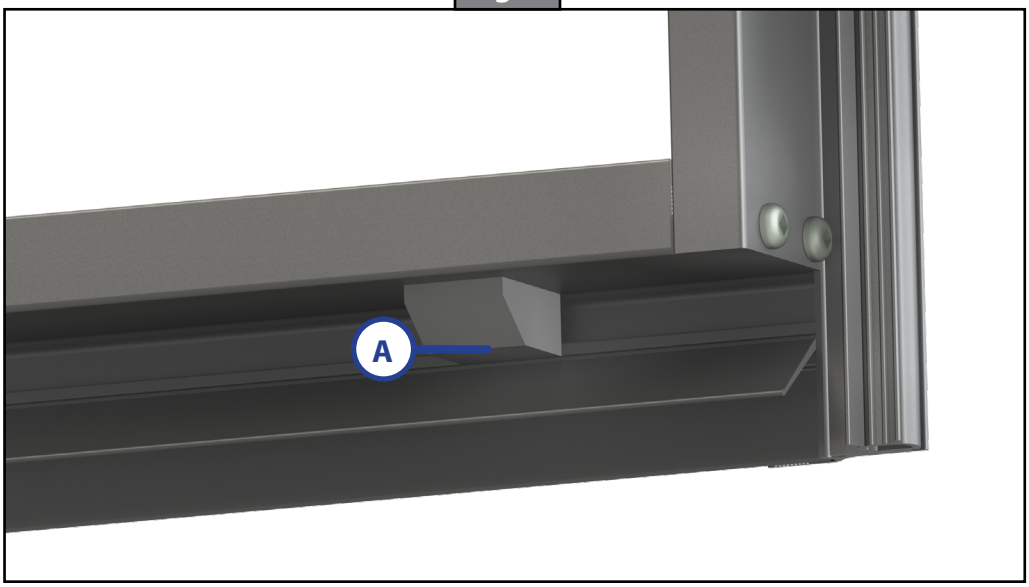


Fig. 3



Snap Trim and Drip Cap Installation

1. If applicable, install snap trim (Fig. 4A). Snap trim is installed from the outside in. Match the long leg of the snap trim to the long leg of the door frame.

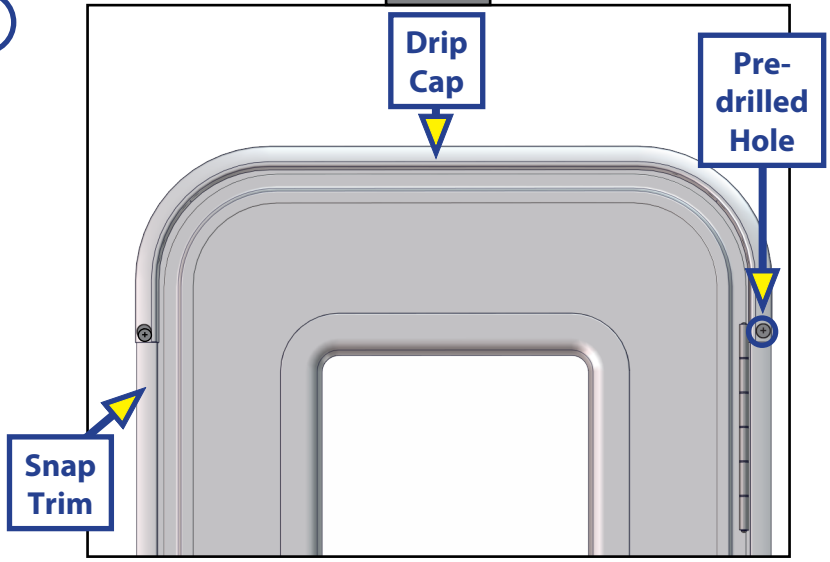
NOTE: Snap trim may need to be cut. It should be flush with the bottom of the door and high enough at the top that the drip cap overlaps.

2. Install drip cap overlapping the snap trim (Fig. 5).
3. Secure with #8 screws in pre-drilled hole locations. Screw length must be long enough to penetrate sidewall framing.

Fig. 4



Fig. 5



4. Run a bead of gunnable sealant on the bottom of the threshold (Fig. 7) along the entire width of the door. Do not leave any seal voids at the corners (Fig. 6A and 6B).
5. Run a bead of gunnable sealant around the remaining edges of the door frame to completely weatherize the door.

Fig. 6



Doors with Friction Hinges

Friction hinges have pre-drilled holes. Secure doors with friction hinges as follows:

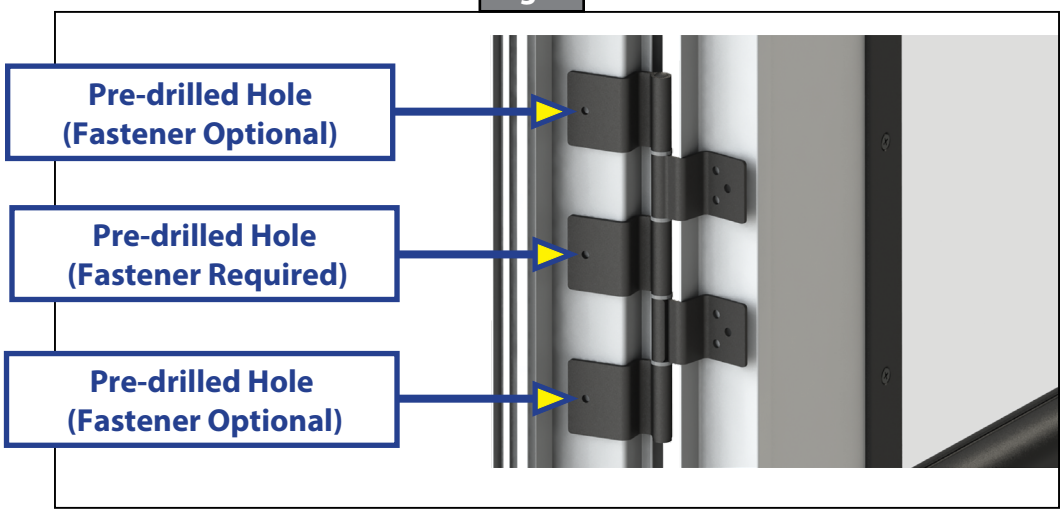
1. Secure the middle hinge and door frame to the trailer's wall in the middle leaf with a #10 screw (Fig. 7).

NOTE: Screw length must be long enough to penetrate the trailer's wall framing.

NOTE: There will also be pre-drilled holes on the first and fifth leaf (Fig. 7) of the hinge for optional fastener installation

2. Repeat steps 1-2 on any remaining friction hinges.

Fig. 7



Strut Installation

1. Using the strut bracket's pre-drilled hole as a guide, use an appropriately-sized drill bit to drill a pilot hole through the door frame and into the trailer frame.
2. Secure the strut bracket (Fig. 8) with a #8 screw.

NOTE: Screw length must be long enough to penetrate into the trailer frame.

NOTE: Some doors may come with a pre-installed strut assembly using a riv nut fastener instead of a mounting bracket (Fig. 9).

Fig. 8

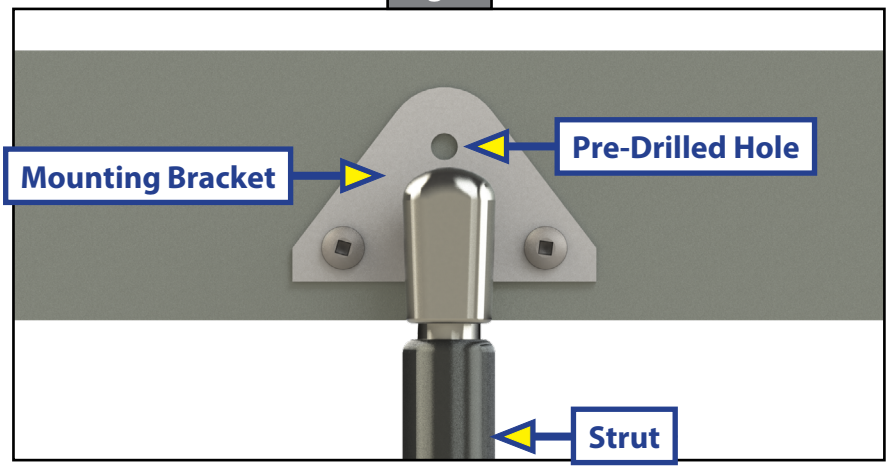


Fig. 9



Notes

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