

INSTALLATION INSTRUCTIONS



Slide-N-Seal

059-907-00 Slide-N-Seal Installation Instructions.

Notice to Buyer

Proper Installation is essential for the acceptable performance of the Slide-N-Seal slide system. Improper installation will void the warranty.

These instructions are for Slide-N-Seal slide system manufactured by Dexter.

Please read these instructions completely before installing the slide.

1. These instructions represent an acceptable installation method. Other methods may be acceptable. Determining the acceptability of alternate installation methods is the sole responsibility of the RV manufacturer.
2. Appropriate personal protective equipment (such as safety glasses, gloves, steel-toed boots, etc.) should be worn during the installation process.

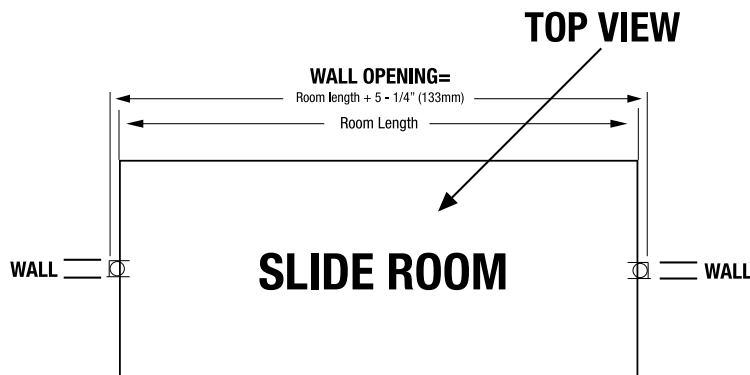
CAUTION

Weight of products requires proper lifting techniques. Use a reasonable number of people with the required strength to carry, lift, and install the slide unit. These instructions are not intended to address all of the safety issues associated with the installation of these slide outs; it is the responsibility of the RV manufacturer to establish appropriate safety practices.

3. Dexter does not warrant that the products and instructions provided comply with all applicable building codes and regulations. It is the responsibility of the RV manufacturer to ensure the products and methods used in construction and installation conform to all applicable codes and regulations.

Room Opening Preparation

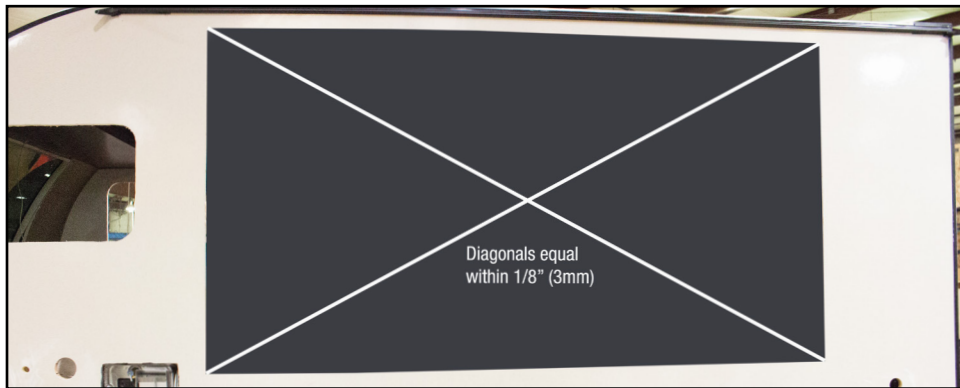
1. The room opening is 5-1/4" (133mm) wider than the room. When the slide is on the wall, the width is approximately 4-7/8" (124mm) longer than the room. It will allow a gap of 5/16" (8mm) on both sides between the slide column and the room opening.



CAUTION

It is the responsibility of the manufacture to design a unit construction that can properly support the weight of the room and maintain recommended room opening tolerance during travel and operation.

2. The vertical opening must be square. Diagonal measurements should be within 1/8" (3mm).



3. Failing to keep these two tolerances may:
- a. Result in difficulties in inserting the room.

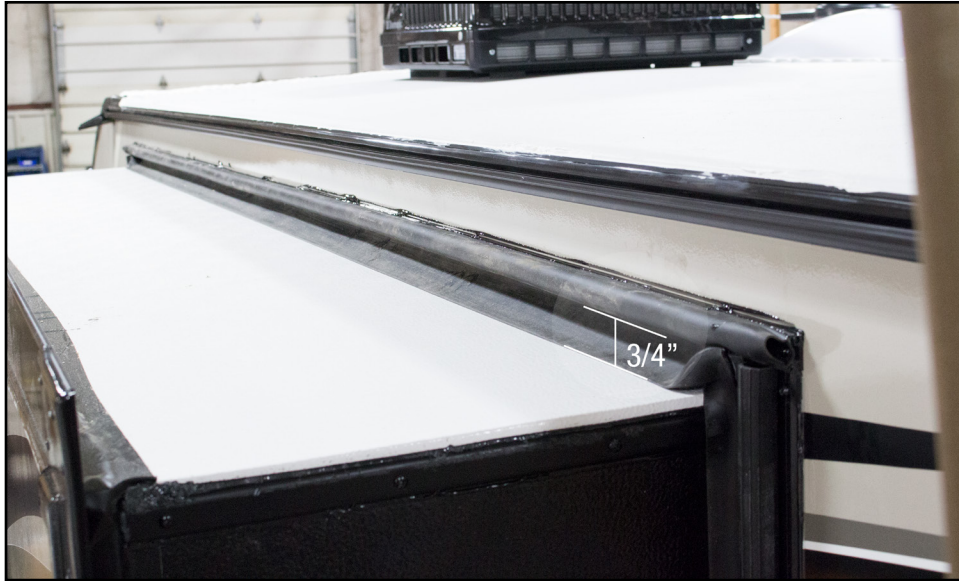


- b. The Slide-Out column must rest on each corner equally, as each corner must carry equal weight. As a result, stress will be added on the parts which may cause damage.
- c. Cause the bottom of the room floor not to touch the rollers evenly. Proper load distribution across the rollers is important.



Top Seal

1. We recommend an overlap of 3/4" (19mm) with the room roof.



2. Cut the seal long enough to completely cover the column.
3. Staple/screw between the two flap to hold in place.



4. Caulk the end of the seal to avoid water infiltration.

Bottom Seal

1. If staples are used to hold the seals in place, tape must be used between the seal and the wall where the staples will be.



2. Bottom corners: The bottom corner must be sealed properly to avoid water infiltration.



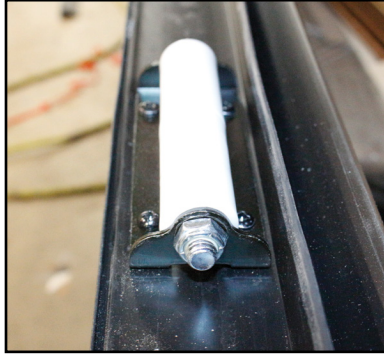
3. It is possible to cut the bottom seal, fold it and staple it to achieve a good sealed corner.
 - a. Cut the seal. Dimensions will depend on the wall thickness and length. Do some tests with scrap first.



- b. Fold on the bottom of the seal to reduce the number of seams.

Roller

1. Because the roller must be as far inboard as possible, a reinforcement on the wall is needed to support it. It may be easier to put it in place before the bottom seal.



2. Make sure the roller will not interfere with the T molding. If the T molding interferes with the roller (hard stop), the room will not seal properly when retracted.
3. The roller needs to be designed specifically for the Slide-N-Seal slide system. It's vertical face must be against the seal to prevent the seal from being caught between the floor and the roller. It will also avoid interference with T molding (image above) if moved inboard as far as possible.
4. If another roller is used, make sure the seal flap will not jam the roller which will create excessive drag and eventually a failure.
5. Location: approximately 4" (100mm) from the room opening side. Check that the roller is not interfering with the bottom rail of the slide (see picture below).



6. Put butyl tape under the roller to prevent water infiltration through the screw.
7. Screw in place.
8. The room opening is ready to receive the room.

Room Preparation

CAUTION

It is the responsibility of the manufacture to design room that can properly support the weight of the room from underneath and maintain recommended room tolerance during travel and operation.

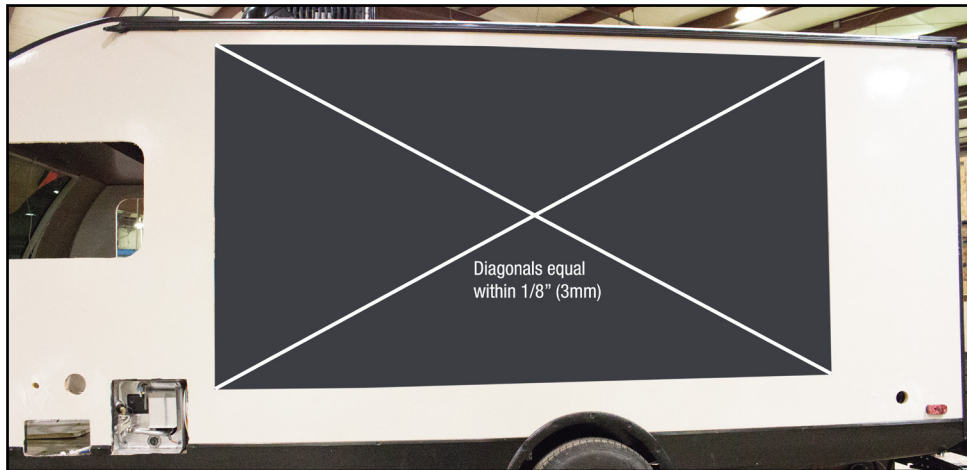
1. Room floor: the rollers will carry all the room weight. Consequently, the floor must be strong enough where the rollers are riding and reinforced if necessary.
2. Wall reinforcement (backers) must be added inside the wall where the rails will be located. The location of the rails can be computed from the slide out specification sheet or knowing the spacing of the two rails.



Wall Reinforcement

Room Tolerance

1. It is very critical to keep the side walls parallel and the room square. Failure to do so will create excessive stress on the side wall, the fasteners, the in wall slide mechanism and the coach wall. Water leaks, loose fasteners and damaged parts will be the result over time. The diagonals of all panels (top, front and side) must be within 1/8" (3mm).



2. Make sure the T molding and the header / facia will be parallel. If not, the room won't seal properly retracted or extended.

Wiring

1. Find an accessible location inside the coach for the controller. The controller and the connectors must not be outside the coach (none are waterproof).
2. Power: The Power line must be protected by a 15A fuse. We usually recommend 10 AWG wires.
 - a. The switch is only wired to the controller and does not see much current in opposition to other slide mechanisms. Consequently, the wire gage can be as small as 18 AWG (cost and weight saving). The switch "COM" is wired to the brown wire ("COM") of the controller. The other two switch connectors are wired to the white and yellow wires of the controller. If the room is moving IN when the switch indicates OUT, the yellow and white wires must be reversed and bezel flipped. Once you have the wiring correctly noted, label wires for opposing side.

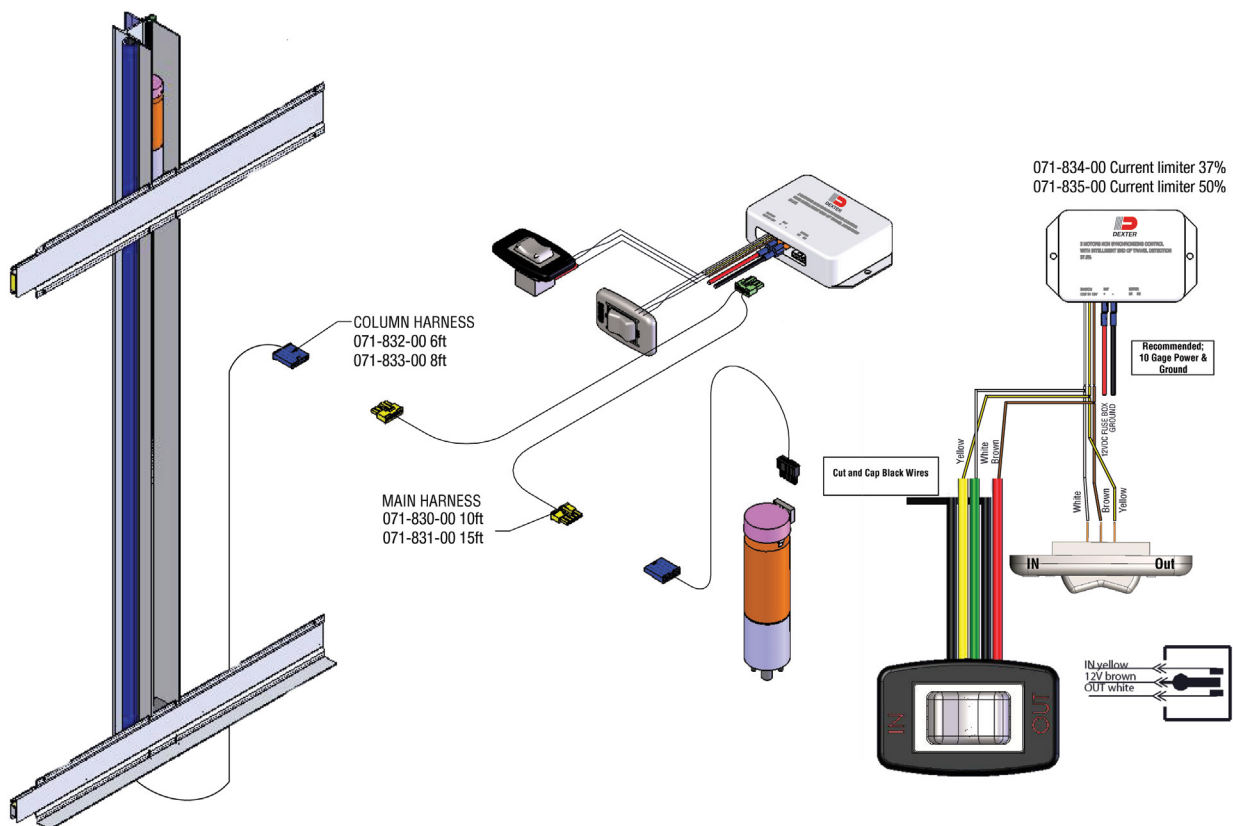
Main Harness

1. On the controller side, there are two connectors:
 - a. Four positions for both motors power.
 - b. Six positions for encoders. This connector is not used with the current limiter. The connector must be secured.
 - c. On the motor side, there is only one five position connector. One of the two connectors are identified with a black mark or tape. We recommend it is always plugged into the same motor (right or left, facing the room). It will help to wire the slide with consistency and prevent having to reverse the bezel because the room is moving the opposite direction as wished.

Column Harness

1. The column is prewired and the connector is located at the bottom of the column. There is no need to run the harness through the column.

In Wall Slide Installation



IMPORTANT NOTE: The in wall slide is delivered with two angles that connect the two channels together and keep them parallel. They **MUST** be kept in place during the installation process in order to keep the rails parallel. Measuring the distance between the rails won't be as accurate as keeping the two angles. They will be removed only when the slide is fastened on the side wall.

1. The room and room opening have been prepped.
 - a. Butyl tape or other sealing agent must be used everywhere fasteners will be if there is no foam (column and return lip of the bottom rail if this latter is screwed).

- b. If the manufacturer chooses not to use foam between the rail and the wall, they must find a solution that will fit the cavity and avoid water infiltration, especially at the screw location.
- c. Put the bottom rail in place first.
- d. Make sure there are no screws on the T molding that will be underneath the rail. If it is the case, the screw must be removed.
- e. Apply it against the room floor. Make sure it is against the floor on the whole length.



- f. While it is against the room floor, slide it against the T molding, not on top of it.

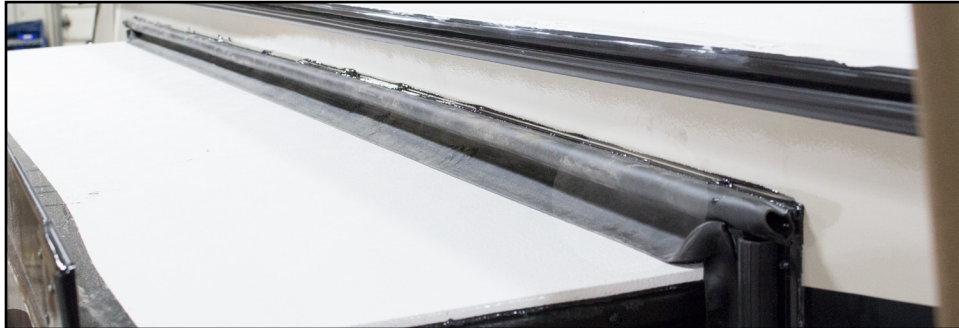
Top Rail

1. Make sure there are no screws on the T molding that will be underneath the rail. If it is the case, the screw must be removed.
2. It is important to locate the top rail at the same location as the bottom one (against the T molding) to guarantee the column is parallel to the T molding.
3. When the top rail is at the correct location, screw it with #10 screws.
4. Check to verify motor will not interfere with anything while the room runs. Providing the correct G value in the slide-out specification sheet should prevent this.



5. Remove the two angles.
6. Find a means (tape for example) to hold the column harness to avoid damage while hanging loose (inside the flap seal is a "safe" place).
7. Repeat the operation for the other side.
8. Slide the room in the room opening using a helping device if needed.
 - a. The top seal flap must be over the column, not pushed inside the wall by the column.
 - b. Make sure the bottom corners are not damaged while fitting the room.
 - c. Make sure the wires are not pinched.
 - d. Balance the lateral play between right and left.
9. Use a few screws (not all) to fasten the column or the clamp if it is used (wall 1-1/4" or 32mm only).

10. Check the following:
 - a. Room is sitting on all rollers
 - b. There should be a 1/16" gap (several mm) between the column and the top and the bottom of the opening.
11. Glue (cyanoacrylate) the top seal flap on the column and also on the vertical flap.



12. Connect the two column plugs to the main harness.
13. Cycle the room IN and OUT at least once.
14. Make sure the room is running the correct direction. If not, either:
 - a. Reverse the switch bezel.
 - b. Reverse the white and yellow wire at the switch.
 - c. Switch the main harness with the column harnesses.
15. When the room is IN, the bulb must be crushed by the T molding. If there is a gap, check the T molding isn't interfering with the rollers (remove the bottom T molding).
16. Finish the room (header, facia, caulk...)