



**PHILIPS
PRODUCTS**

***RECREATIONAL VEHICLE DOOR
INSTALLATION INSTRUCTIONS***

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LIT-1614
2/01
REV 1

GENERAL

**PROPER INSTALLATION IS ESSENTIAL FOR THE ACCEPTABLE
PERFORMANCE OF THIS DOOR.
IMPROPER INSTALLATION WILL VOID THE WARRANTY.**

These instructions are for Philips Products, Inc. doors.

**PLEASE READ THESE INSTRUCTIONS COMPLETELY
BEFORE INSTALLING THE DOOR.**

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 door unit. These instructions are not intended to address all of the safety issues associated with the installation of these doors; it is the responsibility of the RV manufacturer to establish appropriate safety practices.
3. **PHILIPS PRODUCTS, INC. DOES NOT WARRANT THAT THE PRODUCTS AND INSTRUCTIONS PROVIDED COMPLY WITH ALL APPLICABLE BUILDING CODED AND REGULATIONS.** It is the responsibility of the RV manufacturer to insure the products and methods used in construction and installation conform to all applicable codes and regulations.
4. Do not leave doors in direct sunlight when wrapped.

ROUGH OPENING PREPARATION

1. The exterior surface must be flat within 1/8".
2. Make certain the rough opening (referred to as "R.O." in the remainder of document) is correctly sized and constructed either for a square corner door or a radius corner door. The R.O. equals the door call size in width and height (example: a 30 x 70 call size = 30" wide x 70" high R.O) unless otherwise noted in the sales literature. For specific door data in Figure 3, see the table on page 10. If applicable, the radius ("R") of the door is specific to the system. The R.O. sill must be square to the floor within 1/8" across its width. If the R.O. sill is out of square by a greater amount, it may not be possible to shim and square the door in the opening.
3. For square corner doors check the squareness with diagonal measurements (see figure 1). The difference between 1 to 4 and 2 to 3 should not exceed 1/4". If the R.O. does not conform to these requirements, it must be modified so that the sill is square to the floor within tolerance and the diagonals are within the 1/4" allowance.
4. For radius corner doors check the squareness with diagonal measurements (see figure 2). The difference between 1 to 4 and 2 to 3 should not exceed 1/4". If the R.O. does not conform to these requirements, it must be modified so that the sill is square to the floor within tolerance and the diagonals are within the 1/4" allowance.

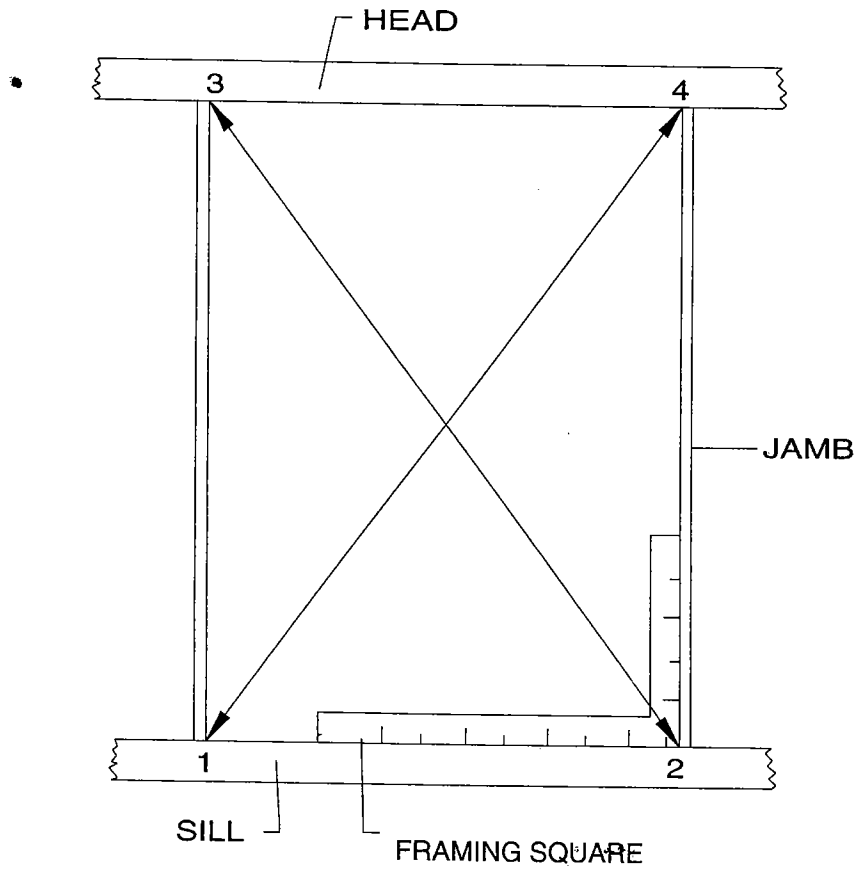


Figure 1

5. Inspect the exterior face of the R.O. where the mounting flange of the door will contact. This area must not have gaps or voids in the area where the mounting flange contacts. The sheathing or exterior wall material that the door will be fastened to must be structurally adequate so that the door unit is fully anchored.

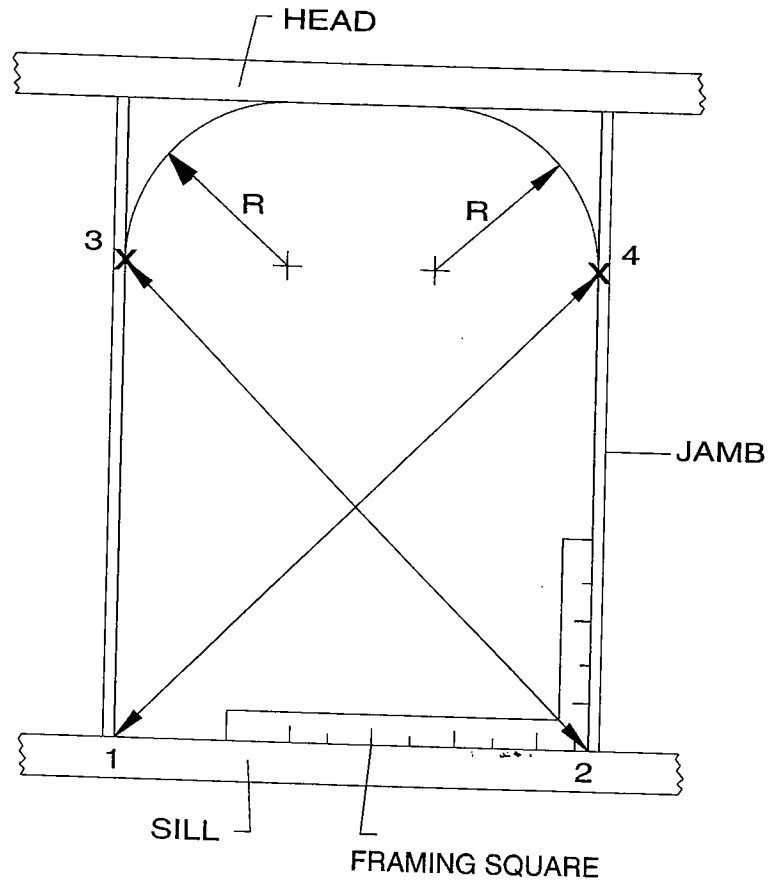


Figure 2

Door INSPECTION AND PREPARATION

Door Terminology - Become familiar with the terminology used throughout these instructions by studying figure 3.

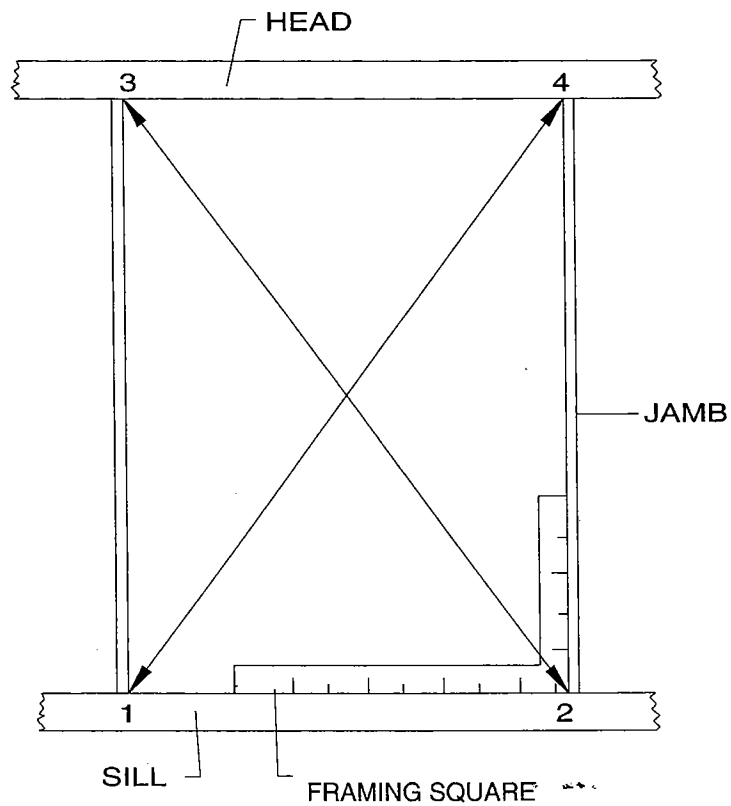


Figure 3

1. Measure the door prior to proceeding with the installation to ensure that it matches the rough opening.
2. Inspect the mounting flanges to ensure they have not been bent, damaged, or distorted during shipping or handling to the extent that they will not sit flat against the exterior perimeter of the R.O. If bent, damaged or distorted, straighten the mounting flange so that it will make contact with the exterior face of the wall or contact Philips Products, Inc.

3. Doors must always be closed during installation. Philips doors are shipped with spacer blocks and/or installation clips to assist installation by maintaining a reveal between the frame and door core until the door is fully installed. Fill any gaps or voids between the door mounting flange and the exterior perimeter of the R.O. Gaps or voids in this area may provide a path for water and air to enter.
4. Apply a 1" continuous bead of sealant (pumpable caulk or sealant tape) on the floor so that the outside edges (both sides) of the frame sill will be sealed to the floor extending about 6" up the frame/jamb, see figure 4. Before using sealant, see caution in item 5.
5. Apply a ¼" continuous bead of sealant (pumpable caulk or sealant tape) to the back side of the mounting flange, in line with pre-punched holes in the mounting flange. (**Caution:** If the door units are pre-sealed with pumpable caulk prior to installation, a skin may form on the sealant caulk, causing a potential for failure, however, sealant tape does not normally have this problem. Refer to the sealant manufacturers instructions for sealant curing time. Be sure to install the door before the sealant sets up on the mounting flanges).

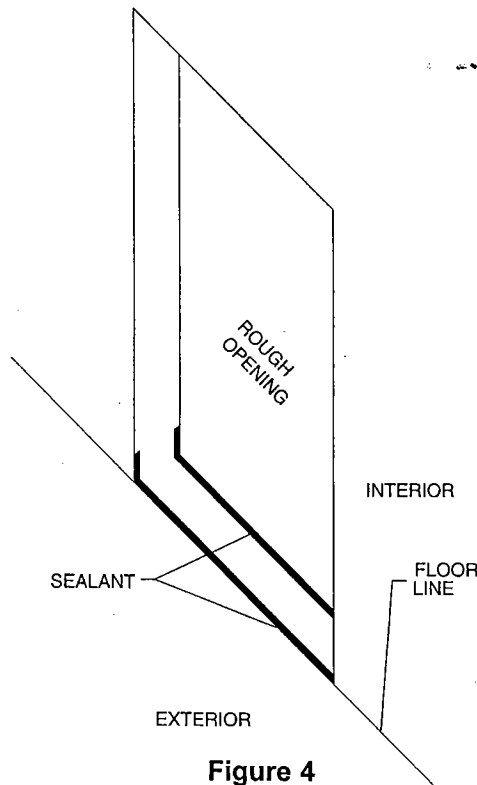


Figure 4

DOOR INSTALLATION

1. Place the door in the R.O. with the door sill resting on the R.O. sill. If the R.O. sill is not square to the floor then remove the door and reconstruct the R.O. sill so that it is square.
2. Center the door from left to right but do not remove the sill from contact with the R.O. sill. When installing doors it is required to use corrosion resistant fasteners that produce a minimum of 1" penetration into the framing members.
3. **Caution:** While holding the door frame flat against the exterior of the wall, fasteners should be installed in both jambs and at the head; install at the designated mounting locations making sure that you get at least a 1" penetration from the door jamb or head into the wall studs, see figure 5 for order of placement. **Note:** If scaffolding is used and interferes with the top of the door, it is acceptable to install this later when it is more accessible.

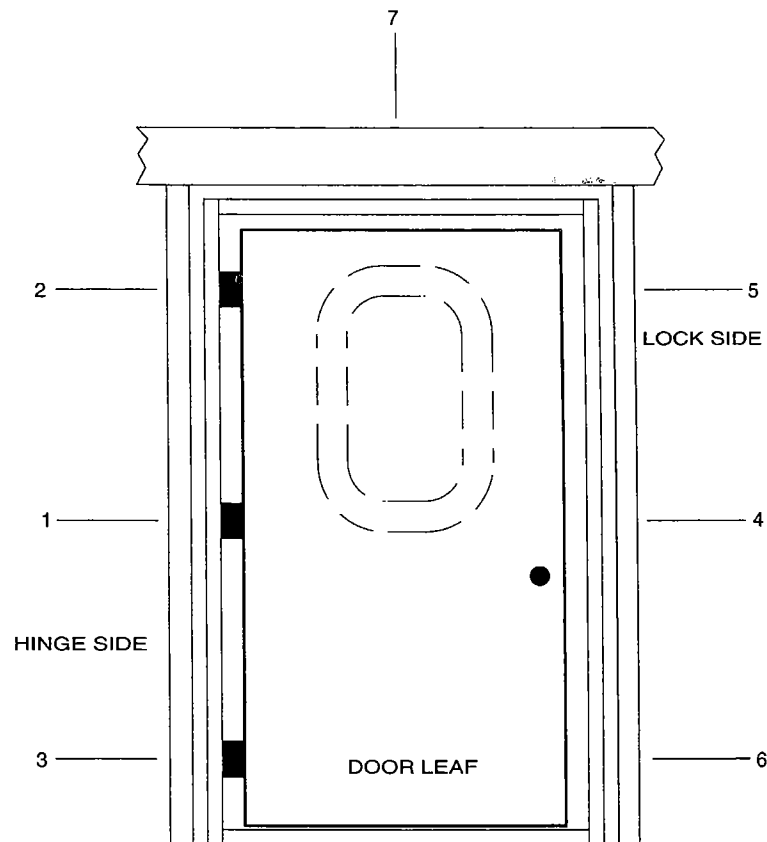


Figure 5

Warning: Do not over drive fasteners, to do so will fracture or unduly deform the mounting flange and compromise the seal. Do not apply fasteners or staples through any other surface of the door other than the Philips specified areas and/or the mounting flange. Failure to comply may void any manufacture warranty.

4. After the fasteners have been installed through the midpoint of the mounting flange at the hinges and lock sides, it is recommended that you re-check the door frame to be certain it is centered from side to side in the opening, and that the door frame is square, (measure opposite corners of the door frame in a manner similar to measuring the diagonals of the R.O. (see figure 1) or the radius corner door (see figure 2), it should be within 1/8". Before proceeding, check to ensure that the door frame is square and operable. If it is not, remove fasteners and reinstall frame as per the above instruction. If shipping block(s) is present, remove at this time.
5. **Caution:** The mounting flange is provided with pre-punched holes, never leave holes or slots unsealed; water can penetrate. **Caution:** Fasteners should be installed in every hole. Continue installation of the rest of the fasteners starting in the center of each member and progressing out to the corners. Fasteners must be installed close enough together to ensure the sealant on the back of mounting flange makes full contact with the exterior perimeter of the R.O
6. Once the door is securely fastened in place, remove any pre-squaring clips and install any remaining door hardware.
7. Adjust the strike plate so that when testing for proper operation the door closes and seals properly.

Adjust the strike plate as follows:

- A. Loosen strike plate mounting screws only enough to tap the strike to a new position and retighten to eliminate any movement. **Caution:** Over loosening of the strike plate mounting screws will result in interior clips of the strike plate falling down inside the rough opening.
- B. Two (2) pin style safety lock strikes may only be adjusted up and down on the frame.
- C. Travel trailer style locksets, knob/knob or knob/lever lock sets may only be adjusted in and out on the frame.

OPTIONAL INSTALLATION PROCEDURES

Cleaning - Do not use abrasive cleaners on the glass as they may permanently scratch or mar the surface. Any cleaners, other than a mild detergent and soft cloth, should be tried in a small corner of the door so as to check whether they damage the finish.

Series	RO**		Buck		Clearance	
	Width	Height	Width	Height	Width per Side	Height
6555	Call	Call	Call-1/4	Call-1/8	1/8	1/8
5555	Call	Call	Call-1/4	Call-1/8	1/8	1/8
5050RC	Call	Call*	Call-1/2	Call-1/4*	1/4	1/4
5050SC	Call	Call	Call-1/2	Call-1/4	1/4	1/4
5055RC	Call	Call	Call-1/2	Call-1/4	1/4	1/4

* R.O. height = call height +1/4".

** R.O. width may be oversized by 1/4" and R.O. height may be oversized by 1/8", but Philips Products, Inc. does not recommend undersizing.