ADJUSTING RV ENTRY DOOR CAMBER UTILIZING SHOP SUPPLIES

TI-156

DOORS

Purpose

This document outlines the procedure for checking proper camber. Camber in an entry door is defined as a slight outward bow of the door at the door latch. The purpose of the camber is to allow the door to contact the frame in the top and bottom corners first, promoting a solid and weather-tight seal when the door is latched. Reverse camber that allows the latch area of the door to contact first will result in moisture entering the unit and causing water damage to the side walls and door frame areas.

Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels.

⚠ CAUTION

The "CAUTION" symbol above is a sign that a safety risk is involved and may cause personal injury and/or product or property damage if not safely adhered to and within the parameters set forth in this manual.

⚠ CAUTION

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

Resources Required

- A long straight-edge is required, one that will span the entire height of the door.
- A short 2x4

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Instructions

1. Line the straight-edge up vertically along the inside edge of the door (Fig. 1). If there is no gap present near the latch in the middle of the door, then proceed to Adding Camber. If there is a gap, continue.

NOTE: Red line represents straight-edge; not to scale.

2. With tape measure or ruler, measure the greatest distance of the gap between the straight-edge and door (Fig. 1).

NOTE: The gap should be between ⅛" and ¼". If the gap is greater than ¼" follow the directions in steps 3-5 to bring the gap between ⅛" and ¼". If the gap is less then ⅛" proceed to Adding Camber.

3. Place a short 2x4, approximately 12-15" long, on a 45-degree angle between the entry door and the door frame at the upper radius. Close the entry door enough to hold the 2x4 in place (Fig. 2).
4. While holding the door closed with one hand, put pressure on the door in the latch area (Fig. 3).

NOTE: Do not latch the door with the 2x4 in between the door and the frame. This may damage the door, window or frame.

5. Place the 2x4 at a 45-degree angle between the entry door and the frame down at the threshold. Close the entry door enough to hold the 2x4 in place (Fig. 4). Repeat step 4.

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Adding Camber

Camber can be added to the door the same way it can be removed.

1. To add camber simply place a board above the latch (Fig. 5) between the door and frame, with the screen door closed.
2. Push on the top of the door below the radius and on the bottom corner of the door.

NOTE: This may be easier with two people as one should hold the board while the other adds pressure.

3. The process should be repeated until the door gap measures between ⅛" and ¼" camber.

Fig. 5

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