

INSTALLATION INSTRUCTIONS

Bunk Ladders

LA-2021460, LA-2021460B, LA-2021466, LA-2021466B



Bunk Ladders

Models: LA-2021460, LA-2021460B,
LA-2021466, LA-2021466B



Thank you for purchasing the RV Bunk Ladder by Stromberg Carlson.

Please read all directions prior to installation. When assembled and used properly, this ladder will provide many years of trouble-free service. This kit contains components and hardware for one complete bunk ladder. Complete the following easy steps and it will be ready for use.

Tools Needed

- #2 Phillips screwdriver
- 7/16" wrench
- Tape Measure and pencil (if installing brackets)
- Masking tape (if trimming tube length)
- Hacksaw or fine tooth saw (if trimming tube length)

Carton Contents (Figure 1)

- (2) pc 1" diameter x 60" or 66" tubing with rubber foot already installed
- (4) pc ladder treads
- (2) pc hooks
- (2) pc brackets
- (8) sets fasteners for treads
 - (8) pc 1/4" x 1-3/4" bolts
 - (8) pc 1/4" flat washers
 - (8) pc 1/4" nylon lock nuts
- (2) sets of #10-barrel combo fasteners
 - (2) pc 1" #10-barrel body nuts
 - (2) pc #10 x 5/16" bolt
- 4 pc screws #10 x 1" screws for bracket mounting

- Using the 1/4" x 1-3/4" long bolts, 1/4" flat washers and 1/4" lock nuts, attach the treads to the upright tubes. (Figures 2 & 3)

- There is a slight divot in the side face of each tread. Use this divot to face all treads in the same direction when attaching to the tubes.
- The dimples in the upright tubes should face away from the tread (the punched hole that is smooth should sit next to the tread), with the bolts penetrating through the dimpled side of the tubing into the tread end.



INS-2021BL-C 01.26.2022

- The upright tubes have a slight bend to them. You should tighten the treads to the uprights until they are square, but do not over tighten as you could collapse the tube wall, weakening the ladder.
- Using the #10-barrel nuts and #10 x 5/16" bolts, secure the hooks to the tops of the upright tubes.
 - Insert the hooks into the tube ends in the same direction, with the tread divots facing the bunk bed – hidden from view when the ladder is in place.
 - The hooks can go directly over the fascia board of a bunk frame to keep the ladder secure during use. If that is undesirable for your use, brackets are included to secure the ladder to the bunk frame (step 3).
 - Using the #10 x 1" screws, mount the brackets to the bed frame, pre-marking the needed drill holes.
 - Brackets are included in this package to secure your ladder to the bunk frame/facia when in use. (Figures 4 & 5) This is only if you do not wish to hang mount your ladder as outlined in step 2.
 - Under no circumstances should the ladder be free to hang from the bracket only with no support from the ground up.

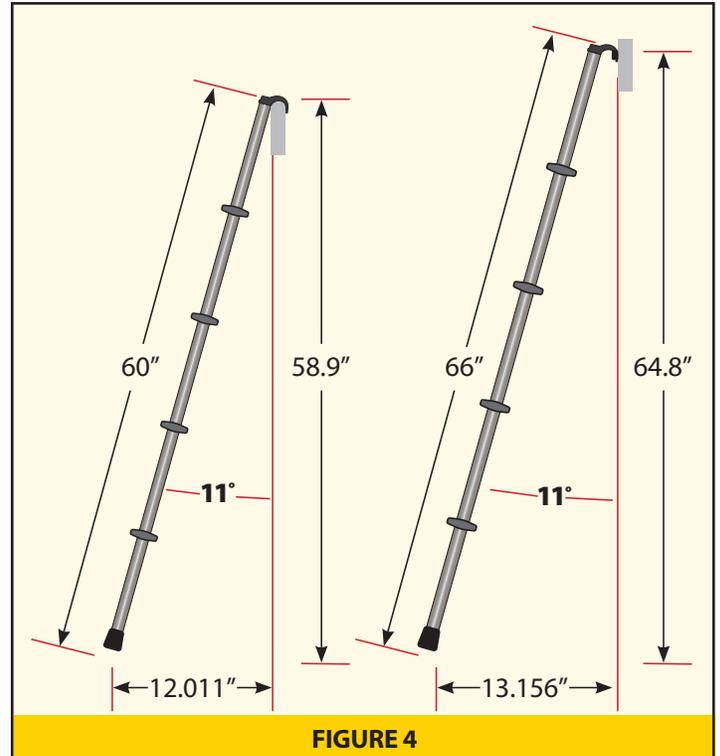


FIGURE 4



FIGURE 5

TRIM CHART FOR LADDER TO MAINTAIN 11° ANGLE (TRIM FROM BOTTOM)

LADDER LENGTH	BUNK HEIGHT	LADDER LENGTH	BUNK HEIGHT
66"	64.8"	58"	56.9"
65"	63.8"	57"	55.9"
64"	62.8"	56"	55"
63"	61.8"	55"	54"
62"	60.8"	54"	53"
61"	59.5"	53"	52"
60"	58.9"	52"	51"
59"	57.9"	51"	50"

IMPORTANT! Your Bunk Ladder is designed to be installed at no more than an 11° angle from vertical as shown in Figure 4. It is to be installed so the distance from the ladder legs (resting on the floor) to the bunk rail are no greater than shown. To install otherwise can cause damage and will invalidate the Manufacturer's Limited Warranty.

If your ladder is at a greater angle/greater distance, you can remove the ladder feet and trim the bottom of your ladder tubing to the appropriate length to achieve the angle measurement shown. To protect powder coat finish from chipping, apply masking tape to tube before making cut.

The website below can assist you in determining the ladder length needed to achieve the 11° angle with your bunk height.

www.omnicalculator.com/math/right-triangle-side-angle



PATENT PENDING



If parts are missing or damaged, contact Stromberg Carlson. 231-947-8600 www.StrombergCarlson.com