

INSTALLATION INSTRUCTIONS

Universal Exterior RV Ladder

LA-401, LA-401BA

Universal Exterior RV Ladder

Model: LA-401, LA-401BA

Thank you for purchasing the Stromberg Carlson Universal Exterior RV Ladder.

Read these directions thoroughly before assembly. When assembled and used properly, this ladder will provide many years of trouble free service. This kit contains components and hardware for one complete exterior ladder. Complete the following easy steps and you will be ready to use your new ladder.

Carton Contents and Assembly Diagram

PART #	MODEL #	DESCRIPTION	QTY
1	1LA-401-A1 (1LA-401BA-A1)	Top U-Shape Ladder Section	2
2	1LA-401-A2 (1LA-401BA-A2)	Middle Straight Ladder Section	1
3	1LA-401-A3 (1LA-401BA-A3)	Bottom J-Shape Ladder Section	1
4	8535 (8535-B)	5" Standoff Assemblies	4
5	8525-BK	Swivel Castings (hinges)	2
6	8521-BK (8521-BK-B)	Roof Mount Brackets	2
7	1LA-401-B	#10 Sheet Metal Screws #10-24 x 30 mm Bolts and Nuts #10-24 x 37 mm Bolts and Nuts	28 6 2

Tools Needed for Installation

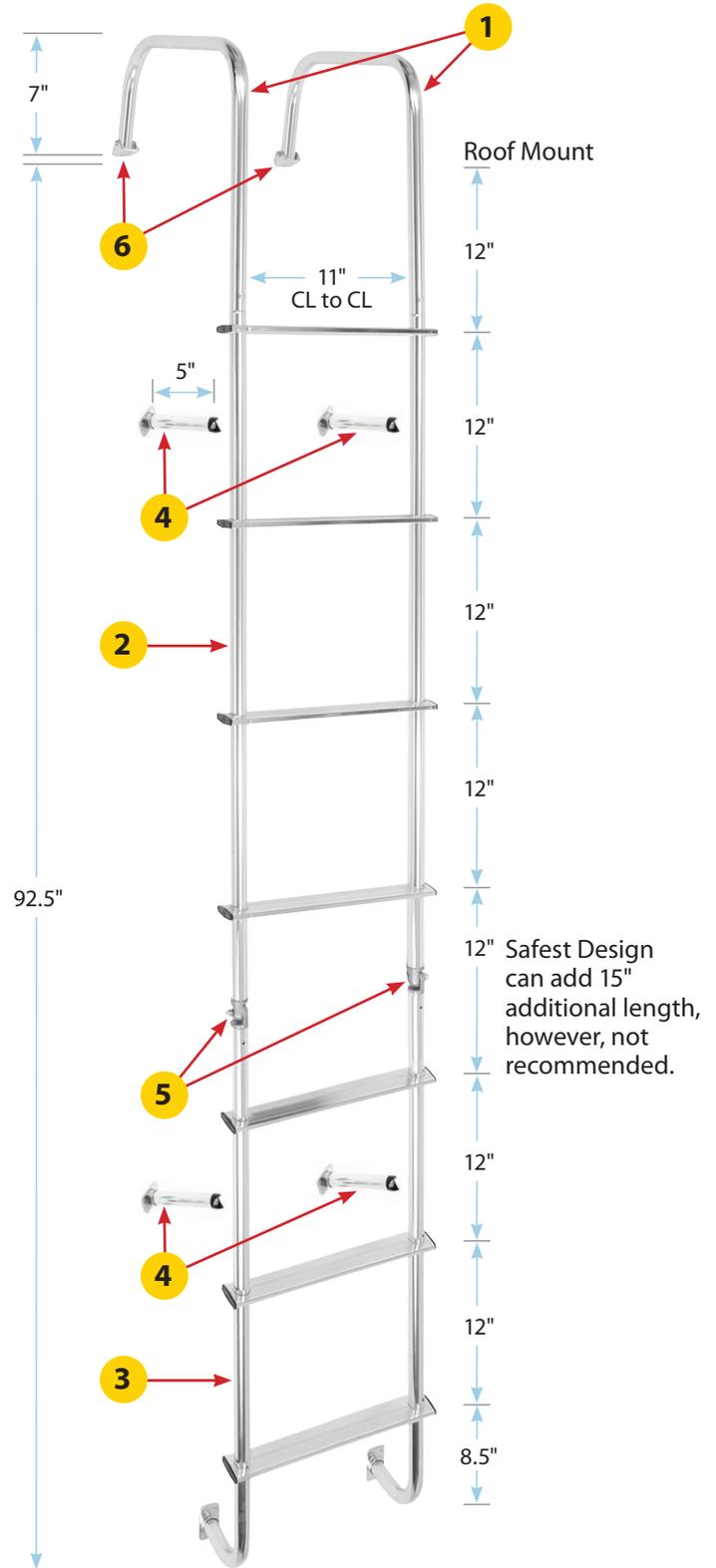
#2 Phillips screwdriver
Hack saw or tube cutter
Drill

3/16" and 1/4" drill bit
Masking tape or pencil
Adjustable wrench or pliers

CAUTION: All screws connecting the ladder to the RV must be fastened to the RV's blocking or sub frame. If you are unsure about the structure location, contact your trailer manufacturer. It is unsafe to use a ladder that is not connected to the RV's blocking or sub frame. Maintain safe contact with your new ladder at all times while ascending or descending.

Be sure to use an outdoor type sealant at all points where holes are drilled into your RV.

Maximum weight capacity – 250 lb when properly installed.



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1. Determine backing/framing locations in the rear wall and roof of your RV and mark with masking tape or a pencil. This will help you determine standoff placement later in the installation. If you are unable to locate backing/framing with a stud finder or other method, you can call your RV manufacturer for a blueprint or contact an RV service center.
2. Insert the (2) Top U-Shape Ladder Sections (**Part 1**) into the Middle Straight Ladder Section (**Part 2**). Bolt them together using (2) #10-24 x 30 mm bolts (**Part 7**).
3. Keeping the Middle Straight Ladder Section parallel with the back wall of your RV, place the ends of the Top U-Shape Ladder Sections on the roof of your RV. Be sure to maintain 5" spacing between the vertical tube and back wall of your RV for installation of the standoffs in later steps.
4. Trim the roof mount ends of the Top U-Shape Ladder Section vertical tubes so the ladder will mount flush to the roof (trimming may not be necessary). If you trim off the pre-drilled holes, you will need to drill 3/16" holes, 1/2" up from the bottom of the newly cut tube. See **Figure 1**

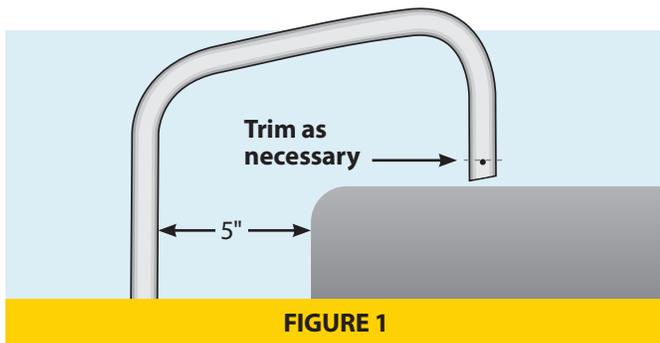


FIGURE 1

5. Attach (2) Roof Mount Brackets (**Part 6**) through the holes at the end of the upright tubes, using (2) #10-24 x 37 mm bolts (**Part 7**).
6. Attach the Roof Mount Brackets to the roof of your RV, using (4) #10 Sheet Metal Screws (**Part 7**). Be sure to anchor them into backing/framing.
7. Attach the top (2) 5" Standoff Assemblies (**Part 4**) to your RV, using (8) #10 Sheet Metal Screws (**Part 7**). Be sure to attach where your RV ladder and the backing/framing locations coincide. You can turn the standoff mounting plate to best align with the structural backing in your RV. These standoffs should meet your ladder uprights between the top two treads.
8. Mark your ladder uprights where the standoffs meet. Drill 1/4" holes through your ladder uprights and attach the standoffs, using the bolts that were stored in the cap of the standoff.
9. Place the rectangular mounting plates from the Bottom J-Shape Ladder Section (**Part 3**) against your RV (where backing/framing exists), approximately 6" to 12" above your bumper, in line with the ladder sections already installed.

10. Keeping 5" spacing between the ladder and the rear wall of your RV, mark the ladder tubing where the Bottom J-Shape and Middle Straight Ladder Sections meet. Trim excess ladder tubing, using a hacksaw or tube cutter. See **Figure 2**

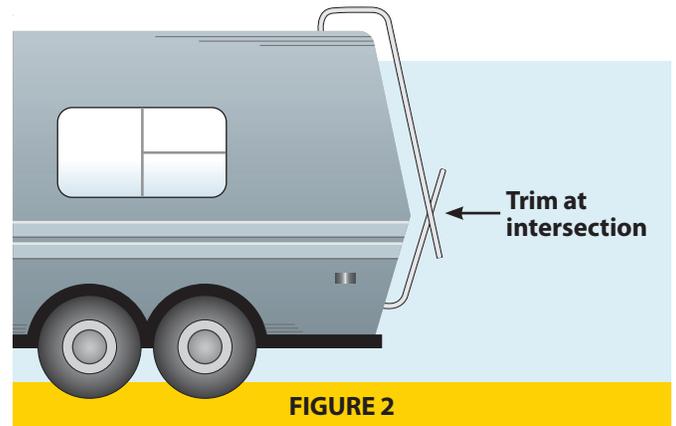


FIGURE 2

11. For RVs with a flat rear wall, turn the (2) Swivel Castings (**Part 5**) so they swivel left and right when facing the ladder and insert them in the Middle Straight and Bottom J-Shape Ladder Sections. Inserting the Swivel Castings like this will keep the ladder from flexing toward or away from your RV. Drill a 3/16" hole through the ladder tubing and Swivel Casting 1/2" above and 1/2" below the trimmed ladder end. Connect the ladder tubing and Swivel Castings using (4) #10-24 x 30 mm bolts (**Part 7**).
12. For RVs with a curved rear wall, turn the (2) Swivel Castings (**Part 5**) so they swivel toward and away from you when facing the ladder and insert them in the Middle Straight and Bottom J-Shape Ladder Sections. Inserting the Swivel Castings like this will allow the ladder to follow the curve of your RV. Drill a 3/16" hole through the ladder tubing and Swivel Casting 1/2" above and 1/2" below the trimmed ladder end. Connect the ladder tubing and Swivel Castings using (4) #10-24 x 30 mm bolts (**Part 7**).
13. Use (8) #10 Sheet Metal Screws (**Part 7**) to attach the Bottom J-Shape Ladder Section brackets to your RV backing.
14. Attach the bottom (2) 5" Standoff Assemblies (**Part 4**) to your RV, using (8) #10 Sheet Metal Screws (**Part 7**). Be sure to attach where your RV ladder and the backing/framing locations coincide. You can turn the standoff mounting plate to best align with the structural backing in your RV. These standoffs should meet your ladder uprights 8"-10" below your Swivel Castings.
15. Mark your ladder uprights where the standoffs meet. Drill 1/4" holes through your ladder uprights and attach the standoffs, using the bolts that were stored in the cap of the standoff.
16. Make sure all hardware is tight and the ladder is secured through structural backing/framing prior to use. For safety purposes, check ladder integrity prior to each use.