



**STROMBERG CARLSON
PRODUCTS INC.**

Rail Mate (AP-101)

Installation Instructions – Please read the entire installation sheet prior to installation.

NOTE: Rail Mate is designed as an assist rail, intended for some weight bearing. Rail Mate is meant for left-hand mounting on most triple and quad entry steps.

Equipment needed: electric/battery drill, $\frac{5}{16}$ " drill bit, $\frac{7}{16}$ " (or adjustable) wrench, 2 clamps or vice grips

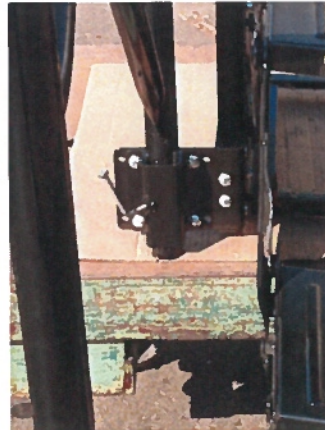
Carton contents: (1) mounting plate, (1) mounting plate L-bracket, (1) mounting plate U-bracket, (1) Rail Mate rail with drop leg and lock pin, hardware bag containing (8) carriage bolts, (5) $\frac{3}{4}$ " long bolts, (13) lock nuts, (1) bent bolt, (1) foot plate screw and (1) foot plate

- 1) While facing your steps, identify mounting surface on left side plate of entry steps. (Note: camper siding may need to be trimmed away from step for rail installation/mounting purposes)
- 2) Attach mounting bracket (using clamps or vice grips) to the side plate of your steps, aligning the bracket's bottom edge with the bottom edge of the step side plate and the bracket's right edge with the front of the step side plate (see below). There are multiple holes in the bracket to accommodate your specific step, but only (5) holes - one in each corner and one in the middle of the right edge - should be drilled in your step side plate. Mark centers of the (5) mounting screw holes.
- 3) Loosen clamps/vice grips and remove bracket. Drill indicated holes (using $\frac{5}{16}$ " drill bit) through side plate of entry steps.
- 5) Attach rail mounting bracket using (5) $\frac{3}{4}$ " long bolts and (5) lock nuts. (Note: bolt heads should be on the inside of the step side plate, threads on the outside of the step plate to avoid interference with the open/close function of the steps)
- 6) Mount L-bracket to mounting plate with long side of L going away from your steps, using (4) carriage bolts and (4) lock nuts (as shown in picture below).
- 7) Based on clearance required for proper open/close function of your RV door, U-bracket mounting placement will vary. It is recommended that you initially attach the U-bracket to the middle set of holes on each side of the L-bracket (use remaining carriage bolts and loosely tightened lock nuts).
- 8) Attach foot plate to bottom of drop leg using enclosed foot plate screw.
- 9) Slide hand rail tube into receiver tube on mounting bracket, supporting the rail weight. At this point, open/close your RV door to ensure proper clearance between the door and rail. Remove rail. If necessary, adjust U-bracket right or left to accommodate your specific needs. Once you have finalized the U-bracket location and tightened everything securely, re-insert the rail and tighten the bent bolt (provided at the rear of the receiver tube) to ensure a secure fit.
- 10) Once rail is securely in receiver tube, lower the drop leg while lifting up on the hand rail to create tension between the foot and the ground (use cage bolt in leg to secure).
- 11) To prevent tampering, it is suggested a lock is slid through the hole in the rail tube, below the receiver tube.

Please note: Mounting bracket is designed to remain on your RV during transportation, handrail is NOT



Angle View

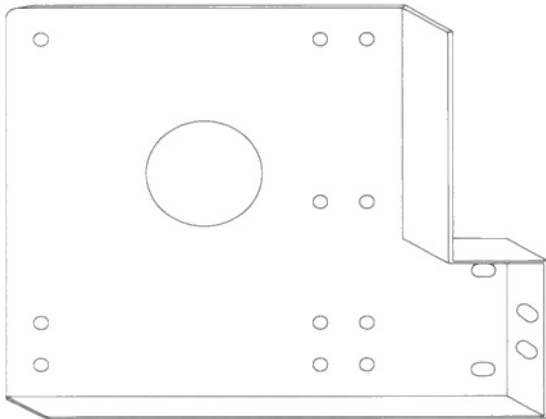


Front View

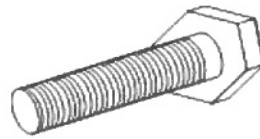


Side View

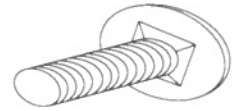
Rail Mate (AP-101) Carton Contents



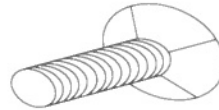
(1) mounting plate
Item 7750-103



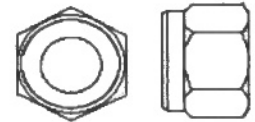
(5) 3/4" long bolts
Item FST-1620



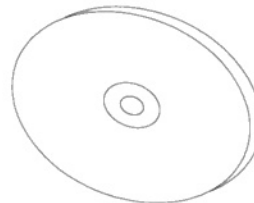
(8) carriage bolts
Item FST-1622



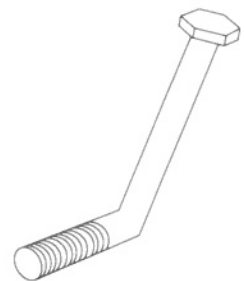
(1) foot plate screw
Item FST-1616



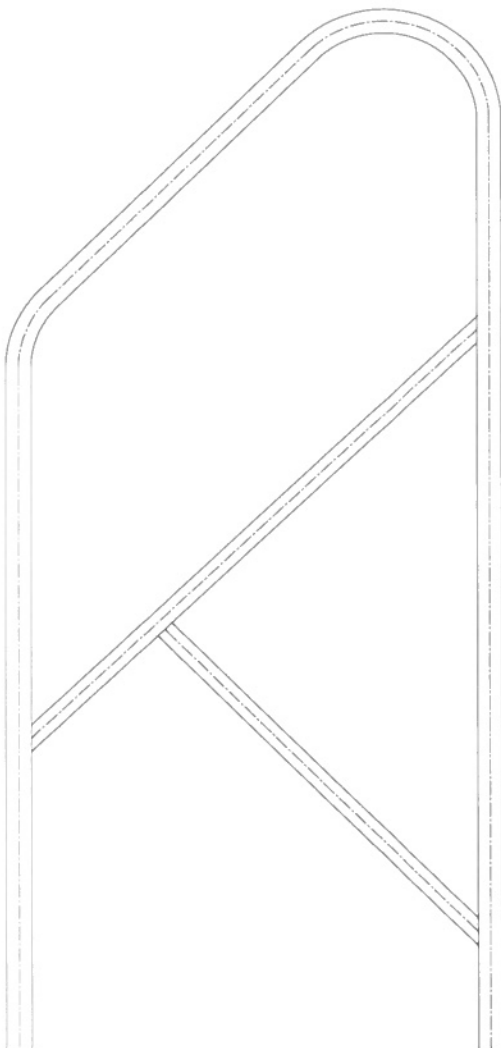
(13) lock nuts
Item FST-1680



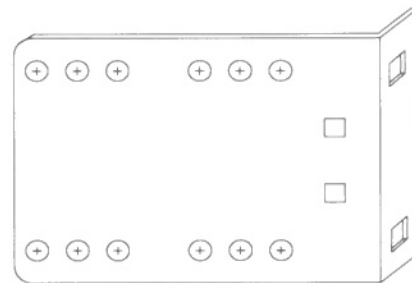
(1) foot plate
Item 7750-105



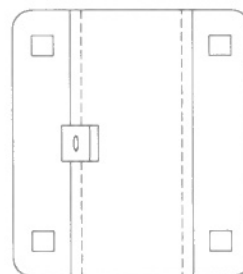
(1) bent bolt
Item 7750-111



(1) rail with drop leg and lock pin
Items 5115-002, 5114-DL, FST-9915



(1) L-bracket
Item 7750-107



(1) U-bracket
Item 7750-109

1.25" O.D. Tubing Fits Inside