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Stromberg Carlson SMFP-1220

Stromberg Carlson Manual RV Step Instruction Manual

Model: SMFP-1220 | Brand: Stromberg Carlson

Product Overview

The Stromberg Carlson Manual RV Step is designed to provide safe and convenient access to recreational vehicles, campers, and trailers. Constructed from rust-resistant black powder-coated steel, this step offers durability and supports up to 300 lbs. Its non-skid surface enhances safety, especially in wet conditions. The step is manually operated, extending for use and retracting for travel, and is designed for straightforward installation.

Key Features:

- **Versatile Design:** Suitable for lower travel trailers and fifth wheels, providing an approximate 2.8-inch drop.
- **Durable Construction:** Made from rust-resistant black powder-coated steel, capable of supporting up to 300 lbs.
- **Non-Skid Surface:** A 20-inch wide step with a non-skid surface for enhanced safety.
- **Easy Installation:** Designed for quick bolt-on or weld-on installation directly to the RV frame.
- **Manual Operation:** Simple pull-out and push-in mechanism for extending and retracting the step.

Safety Information

- Always ensure the step is fully extended and locked into place before use.
- Verify the step is securely retracted and latched before moving the RV.
- Do not exceed the maximum weight capacity of 300 lbs.
- Exercise caution when using the step in wet, icy, or muddy conditions, despite the non-skid surface.
- Keep children and pets away from the step during extension and retraction.
- Regularly inspect the step for any signs of damage, wear, or loose fasteners.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning).

Setup and Installation

The Stromberg Carlson Manual RV Step is designed for either bolt-on or weld-on installation directly to your RV's frame. The step ships fully assembled. Professional installation is recommended if you are unfamiliar with RV frame modifications or welding.

Installation Steps:

1. **Prepare Mounting Area:** Identify the appropriate mounting location on your RV frame. Ensure the area is clean and free

from obstructions.

2. **Position the Step:** Align the step's mounting brackets with the RV frame. The step should be positioned to allow full extension and retraction without interference.
3. **Secure the Step (Bolt-on):** If bolting, mark and drill holes through the RV frame to match the step's pre-drilled holes. Use appropriate hardware (not included) to securely fasten the step to the frame. Ensure all bolts are tightened to manufacturer specifications.
4. **Secure the Step (Weld-on):** If welding, ensure proper welding techniques and safety precautions are followed. Weld the step's mounting brackets securely to the RV frame.
5. **Test Operation:** After installation, manually extend and retract the step several times to ensure smooth operation and secure locking in both positions.

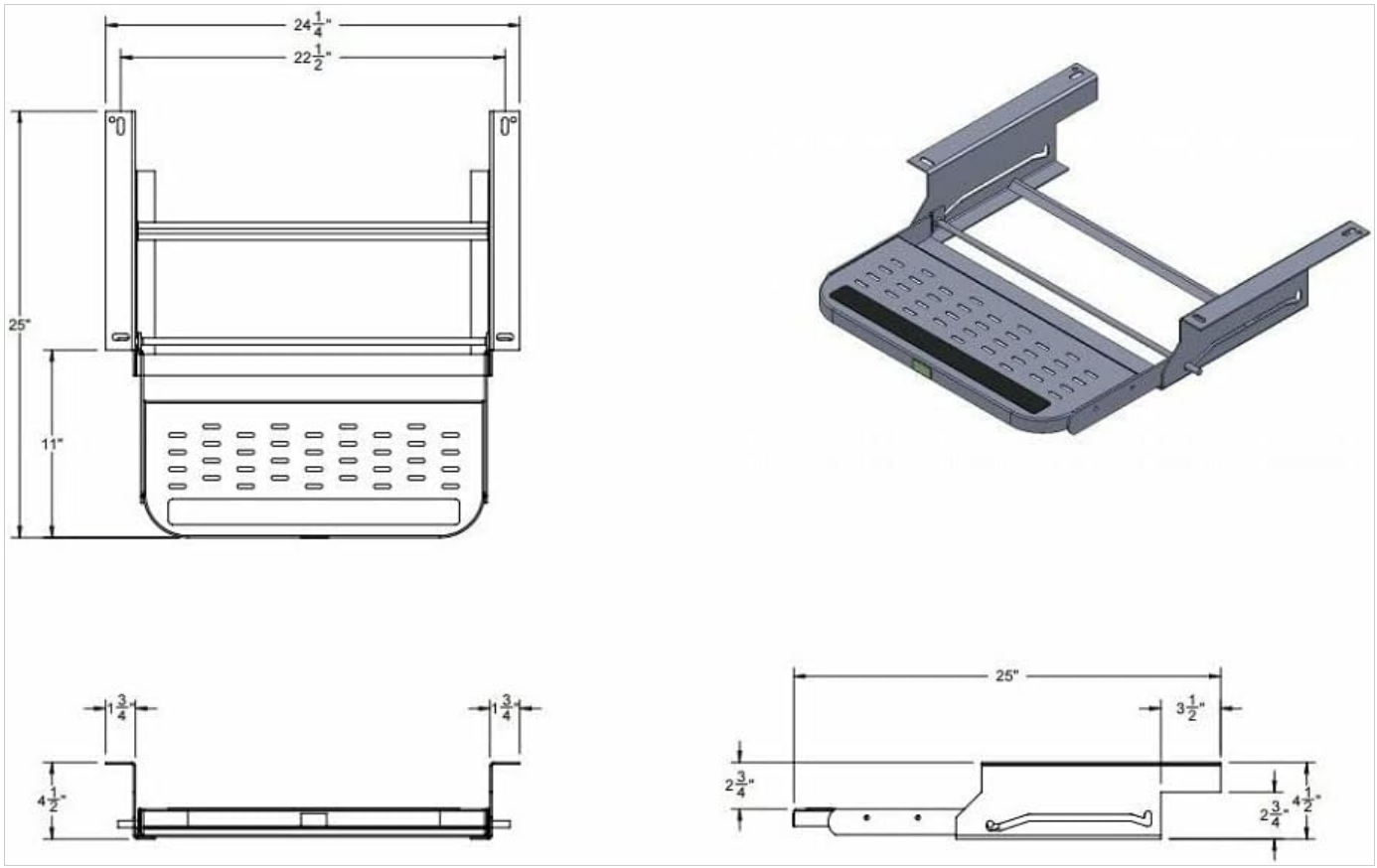


Figure 1: Technical drawing showing dimensions and mounting points of the RV step.

Operation

The Stromberg Carlson Manual RV Step is designed for simple manual operation. Always ensure the area around the step is clear before extending or retracting.

Extending the Step:

1. Grasp the step firmly.
2. Pull the step outwards and downwards until it fully extends and locks into the open position. You should hear a click indicating it is locked.
3. Verify the step is stable and level before stepping on it.

Retracting the Step:

1. Grasp the step firmly.
2. Lift the step slightly to disengage the locking mechanism, then push it inwards and upwards until it is fully retracted and secured underneath the RV.

3. Ensure the step is completely stowed and will not interfere with travel.

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Video 1: Demonstration of manually extending and retracting an RV step. This video illustrates the general operation of a manual RV step.



Figure 2: The Stromberg Carlson Manual RV Step shown in its extended position, ready for use.

Maintenance

Regular maintenance ensures the longevity and safe operation of your RV step.

- **Cleaning:** Clean the step regularly with mild soap and water to remove dirt, mud, and road grime. Rinse thoroughly and allow to dry.
- **Lubrication:** Periodically apply a silicone-based lubricant to the pivot points and moving parts to ensure smooth operation and prevent corrosion. Avoid petroleum-based lubricants as they can attract dirt.
- **Inspection:** Before each trip and periodically during use, inspect the step for:
    - Loose or missing fasteners.

- Cracks, bends, or damage to the steel frame or step surface.
- Signs of rust or corrosion.
- Proper functioning of the locking mechanism.

- **Repair:** Any damaged components should be repaired or replaced immediately by a qualified technician. Do not use a damaged step.

Troubleshooting

If you encounter issues with your RV step, refer to the following common problems and solutions:

- **Step is difficult to extend or retract:**
  - Check for dirt or debris obstructing the moving parts. Clean thoroughly.
  - Apply silicone lubricant to all pivot points and sliding mechanisms.
  - Inspect for bent components that may be causing binding.
- **Step does not lock in extended or retracted position:**
  - Ensure the step is fully pushed or pulled into its intended position.
  - Inspect the locking mechanism for damage or wear. It may require adjustment or replacement.
- **Step feels unstable or wobbly:**
  - Check all mounting bolts for tightness. Tighten if necessary.
  - Inspect the RV frame and step brackets for any damage or cracks.
  - Ensure the ground surface is firm and level when the step is extended.

Specifications

Feature	Detail
Model Name	SMFP-1220
Brand	Stromberg Carlson
Type	Manual RV Step, Single Tread
Color	Straight Tread (Black Powder Coated Steel)
Step Width	20 inches
Rise	2.75 inches
Item Weight	18 Pounds
Item Dimensions (LxWxH)	30 x 18 x 5 inches
Maximum Weight Capacity	300 lbs
Included Components	Main component only (step unit)

Warranty and Support

For any issues experienced within 30 days of receipt, please contact Stromberg Carlson Products Inc. directly. Refer to the manufacturer's official website or product packaging for the most current warranty information and customer support contact details.

Manufacturer: Stromberg Carlson Products Inc.

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