



VELA POP UP ROOF SYSTEM
CLASS B
OWNER'S MANUAL

TABLE OF CONTENTS

Introduction	2
Safety	3
Preparation	4
Operation	4
Closing the Pop Up Roof System	8
Troubleshooting	12
Maintenance	13
Care and Maintenance	13
Cleaning External Pop Up Roof Surfaces	13
Cleaning Internal Pop Up Roof Surfaces	13
Wiring Diagram	14
Notes	19

Introduction

The Vela Pop Up Roof System is a manually operated, van roof-mounted sleeper. The Vela Pop Up Roof System has a solid roof with a canvas body that includes:

- a double bed,
- screened windows,
- hot or cold air circulation,
- ceiling courtesy lights,
- special storage shelving molded into the thermoformed lower section,
- pre-installations for LED lights,
- two flexible lamps with USB ports,
- a power socket and/or USB module,
- and the capability to top-mount a porthole or solar panel.

Additional information about this product can be obtained from [lci1.com/support](https://support.lci1.com/support) or by downloading the free myLCI app. The app is available on Apple App Store® for iPhone® and iPad® and also on Google Play™ for Android™ users.

Apple App Store®, iPhone®, and iPad® are registered trademarks of Apple Inc.

Google Play™ and Android™ are trademarks of Google Inc.

For information on the assembly or individual components of this product, please visit:

<https://support.lci1.com/beds/>.

Note: Images used in this document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ.

Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels. This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage, including voiding of the LCI limited warranty.

WARNING

The “WARNING” symbol above is a sign that a procedure has a safety risk involved and may cause death or serious personal injury and/or severe product or property damage if not performed safely and within the parameters set forth in this manual.

WARNING

Make sure unit is fully supported and secured per manufacturer's recommendations before working on or underneath the unit or death, serious personal injury and/or severe product and property damage, including voiding of the component warranty, may occur.

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

Always wear eye protection when performing service, maintenance or installation procedures. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the task.

CAUTION

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

CAUTION

Do NOT drive with the Pop Up Roof System opened or product damage may occur.

CAUTION

Do NOT drive with people or pets inside the Pop Up Roof System's sleeping area or personal injury may occur.

CAUTION

Do NOT exceed the product's maximum speed limit of 80 mph.

CAUTION

Do NOT open pop up roof if wind speeds exceed 25 mph. Opening the pop up roof in wind speeds greater than 25 mph could result in damage to the Pop Up Roof System.

Preparation

Note: Unless otherwise specified, all units of measure are Imperial (US).

1. Make sure camper van is level.
2. Make sure camper van is properly supported and secured.
 - A. Engage brakes.
 - B. Chock all tires.
 - C. Make sure wind speeds do not exceed 25 mph, if so the pop up roof **MUST** remain in the closed position or damage could occur.

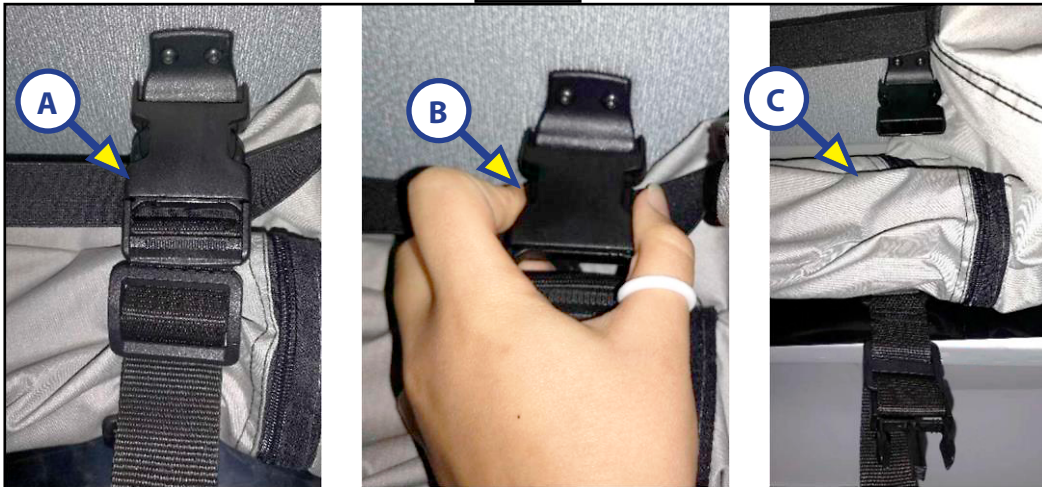
Operation

⚠ CAUTION

Do NOT open pop up roof if wind speeds exceed 25 mph. Opening the pop up roof in wind speeds greater than 25 mph could result in damage to the Pop Up Roof System.

1. Open the pop up roof as follows:
 - A. From inside the camper van, release the clips on the two safety belts (Fig. 1A) by pressing on both sides of the clip (Fig. 1B). The upper portion of the pop up will move freely (Fig. 1C).

Fig. 1



- B. Attach the ladder supplied to the specific hooks (Fig. 2).
 - I. Climb the ladder to reach the release button (Fig. 3A).

Fig. 2

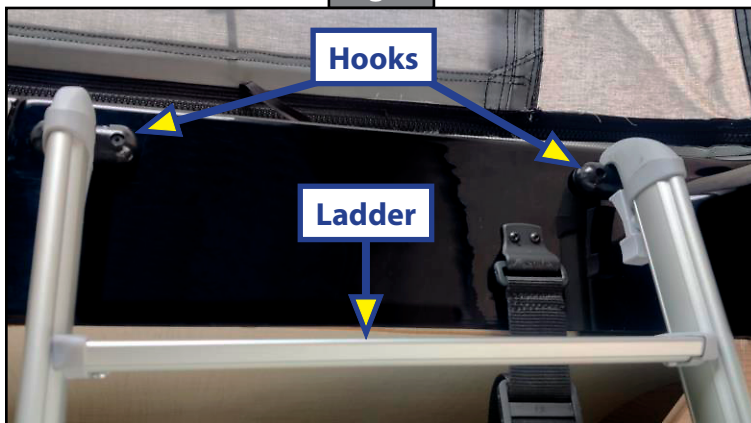
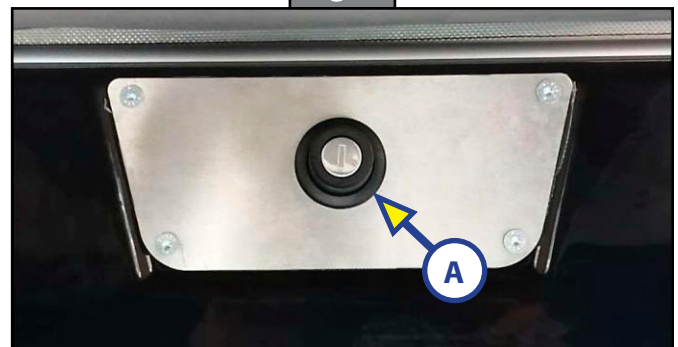
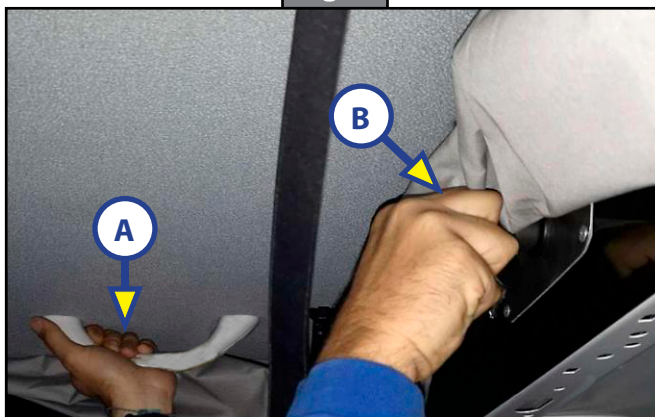


Fig. 3



- II. Grab the handle with one hand (Fig. 4A), then at the same time press the release button (Fig. 4B) and push the handle upwards.
- C. After unlocking the roof, grab both handles (Fig. 4A) and push the roof upwards.

Fig. 4



- 2. Brightness inside the sleeping area can be adjusted by means of two flexible lamps (Fig. 5) located on the lower part of the pop up.
 - A. The flexible lamps are controlled by pressing an integrated on/off switch (Fig. 6A) providing two intensity levels.
 - B. Each flexible lamp contains a 5V DC, 2A USB port (Fig. 7A).

Fig. 5



Fig. 6

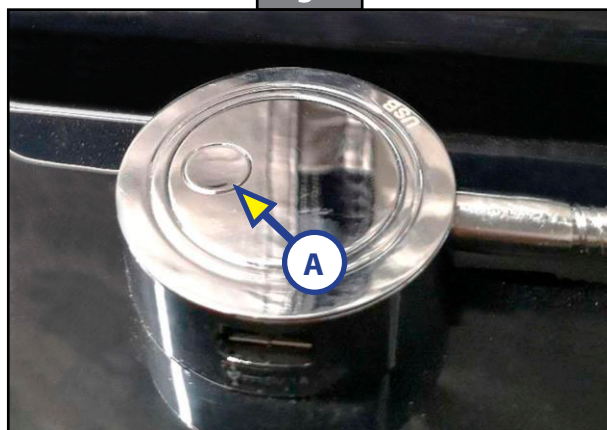
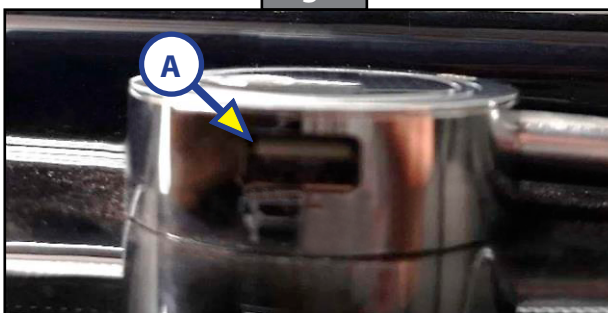


Fig. 7



3. Located at the interior of the entrance frame, there is at least one module with two 5V DC USB ports (Fig. 8).

Note: Various kinds of electronic devices can be recharged and used, if they meet the provided current limits and voltages.

Fig. 8



4. Windows— with mosquito nets—positioned along the perimeter of the pop up roof (Fig. 9) can be opened to further ventilate the sleeping area.

Fig. 9



- A. To open the windows of the pop up roof for better ventilation, open the zipper (Fig. 10).
- B. Roll down the window covering towards the base of the window (Fig. 9A).
- C. Fasten the covering in-place with the straps located at the base (Fig. 11).

Fig. 10



Fig. 11



- D. Closing all pop up windows protects against cold and rain (Fig. 12).

Fig. 12



- E. Opening all pop up windows improves ventilation against heat build-up and helps to refresh the sleeping area (Fig. 13).

Fig. 13



5. The Vela Pop Up Roof System comes equipped with a 51" x 78" double bed (Fig. 14).

Fig. 14



A. To reach the bed, attach the supplied ladder to the two hooks (Fig. 15).

Fig. 15



B. Climb the ladder to the bed, sit on the surface of the sleeping area, then rotate your torso.

Closing the Pop Up Roof System

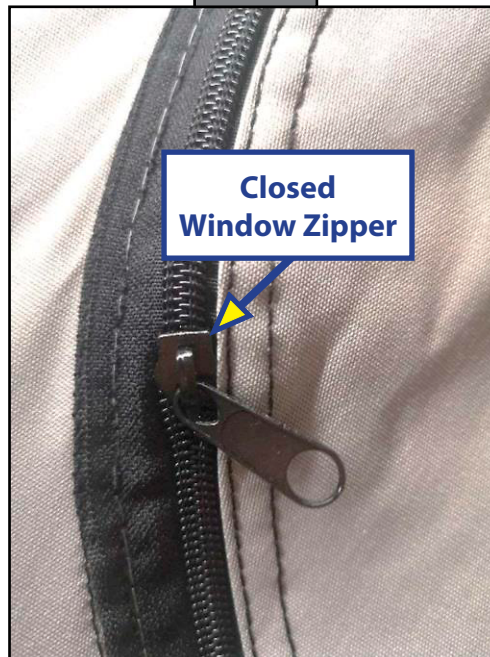
To close the pop up roof, do as follows:

1. Attach the supplied ladder on the hooks (Fig. 15).
2. Climb the ladder to inspect the pop up roof to make sure the windows are properly closed (Fig. 16). If necessary, zip the windows closed (Fig. 17).

Fig. 16

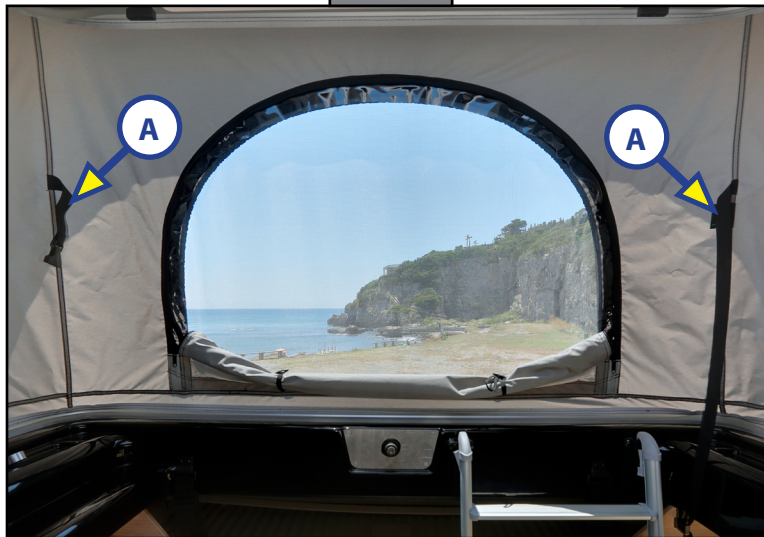


Fig. 17



3. Locate the two front strap ends (Fig. 18A) by the front window.

Fig. 18



4. Connect the strap and pull taut to 45 7/8" across the canvas width (Fig. 19).

Fig. 19



⚠ CAUTION

A loose front strap can result in possible damage to the canvas when the pop up is closed. Keep the front strap drawn taut to protect the canvas from possible damage when closing the pop up.

5. If the front strap is loose across the canvas width, measuring approximately 49 1/4" (Fig. 20), tighten the strap 2" minimum.

Fig. 20



⚠ CAUTION

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

6. Grip both roof handles (Fig. 21) and pull down as evenly as possible. Do **NOT** completely close the pop up roof at this point.

Fig. 21

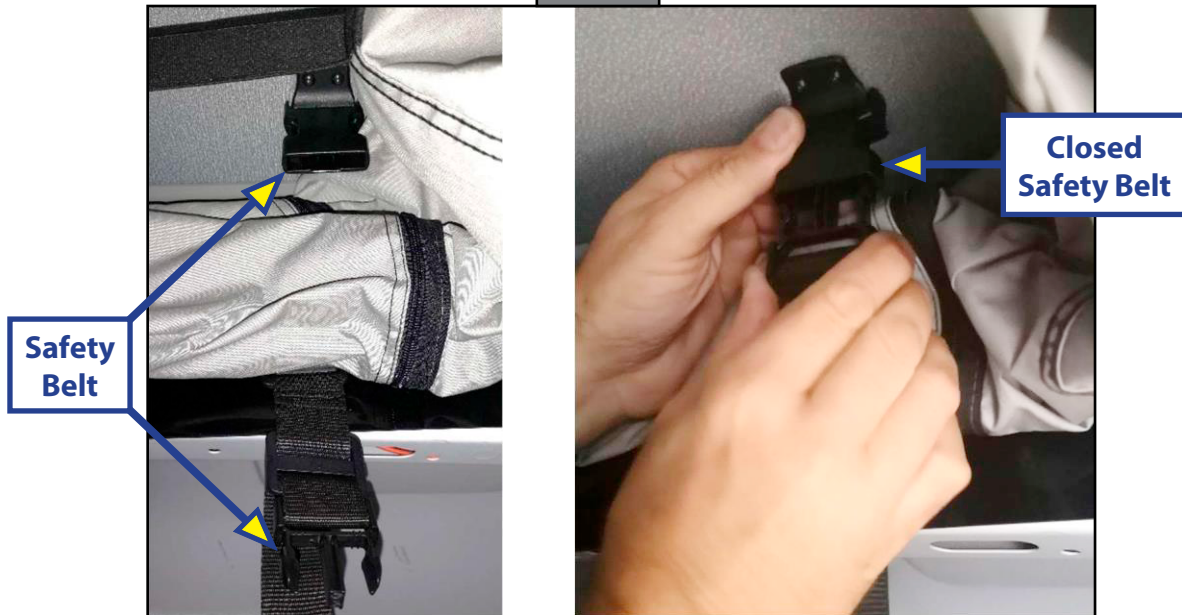


7. Make sure that the canvas is folded correctly inside to prevent jamming of the built-in mechanism or the locking latch.
8. Walk around the vehicle and visually inspect the pop up roof for any canvas material sticking out of the frame. If necessary, carefully tuck in any protruding material.
9. From inside the vehicle, continue to lower the roof until it is completely closed.

Note: A clicking sound should be heard, signifying the locking system has engaged.

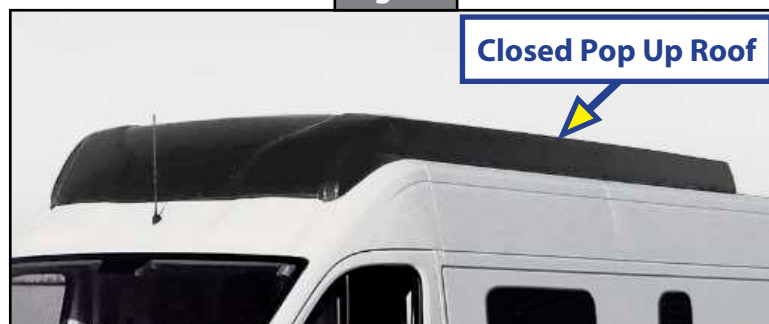
10. To make sure the pop up's locking system has been engaged, perform the following:
 - A. Grab the handles on the roof with both hands and push upwards.
 - B. If the upward pressure on the roof does not change its position significantly on both sides, then the locking system is properly engaged.
 - C. If the roof changes position, the locking system is not properly engaged. Repeat steps 4-9, then check the locking system again for proper engagement.
11. Clip the safety belts (Fig. 22) closed to secure the roof.

Fig. 22



12. Inspect the outside of the Pop Up Roof System to make sure it has completely closed (Fig. 23).

Fig. 23



⚠ CAUTION

Do NOT drive with the Pop Up Roof System opened or product damage may occur.

⚠ CAUTION

Do NOT drive with people or pets inside the Pop Up Roof System's sleeping area or personal injury may occur.

13. After the Pop Up Roof System has been fully closed, the camper van may be driven.
 - A. If wheel chocks have been used, make sure they have been removed before driving.
 - B. If engaged, release brakes before driving.

⚠ CAUTION

Do NOT exceed the product's maximum speed limit of 80 mph.

- C. Do **NOT** exceed the product's maximum speed limit of 80 mph.

Troubleshooting

The following troubleshooting chart only covers basic operational concerns. If other concerns exist other than what is listed in the troubleshooting chart, contact the Lippert Care Center at (574) 537-8900.

What is Happening	Why?	What Should Be Done?
Pop Up latching clamps won't release.	Latch release track blocked.	Check latching release track for dirt, debris and obstructions. Clean track of any dirt and debris. Clear any obstructions.
	Latch release track damaged.	Do not attempt to repair damaged components at the risk of voiding the LCI limited warranty. Contact the Lippert Care Center.
Pop Up latching clamps won't clamp shut.	Latch clamping mechanism blocked.	Check latching clamp mechanism for dirt, debris and obstructions. Clean mechanism of any dirt and debris. Clear any obstructions.
	Latch clamping mechanism damaged.	Do not attempt to repair damaged components at the risk of voiding the LCI limited warranty. Contact the Lippert Care Center.
Pop Up doesn't fully extend.	Support arm track blocked.	Check support arm track for dirt, debris and obstructions. Clean track of any dirt and debris. Clear any obstructions.
	Support arm track damaged.	Do not attempt to repair damaged components at the risk of voiding the LCI limited warranty. Contact the Lippert Care Center.
Pop Up doesn't fully retract.	Support arm track blocked.	Check support arm track for dirt, debris and obstructions. Clean track of any dirt and debris. Clear any obstructions.
	Support arm track damaged.	Do not attempt to repair damaged components at the risk of voiding the LCI limited warranty. Contact the Lippert Care Center.

Maintenance

Periodically clean the canvas to prevent dirt and grime build-up. Dirt and grime build-up may penetrate the fabric. Use a soft bristled brush, sponge or clean cloths to remove dirt from the fabric before washing.

Care and Maintenance

To preserve the integrity of the canvas and extend its lifespan, take the following steps when caring for the canvas:

1. Inspect and treat the canvas every 12-14 months.
 - A. Treat clean seams with high quality seam seal.
 - B. Allow seam seal to completely dry before closing top.
 - C. If needed, apply Kiwi® Camp Dry water repellent, or equivalent quality, spray to the canvas.

CAUTION

Do NOT use harsh soaps and detergents. Harsh soaps and detergents can cause damage to the water repellent treatment of the canvas. Use a small amount of mild soap or detergent to prevent damaging the water repellent treatment of the canvas.

2. Use care when cleaning the Pop Up Roof System. Using harsh detergents and hard bristled brushes can damage the roof's canvas material.
 - A. Only use clean water.
 - B. Gently clean the canvas by hand.
 - C. Test all cleaning products prior to use. Apply a small amount of the cleaning product to an inconspicuous area.

CAUTION

Do NOT close or store a wet canvas. Closing or storing a wet or damp canvas can cause damage to the material and void the warranty. Make sure the canvas is completely dry before closing or storing.

3. Canvas **MUST** be completely dry before closing/storing the pop up roof.

Cleaning External Pop Up Roof Surfaces

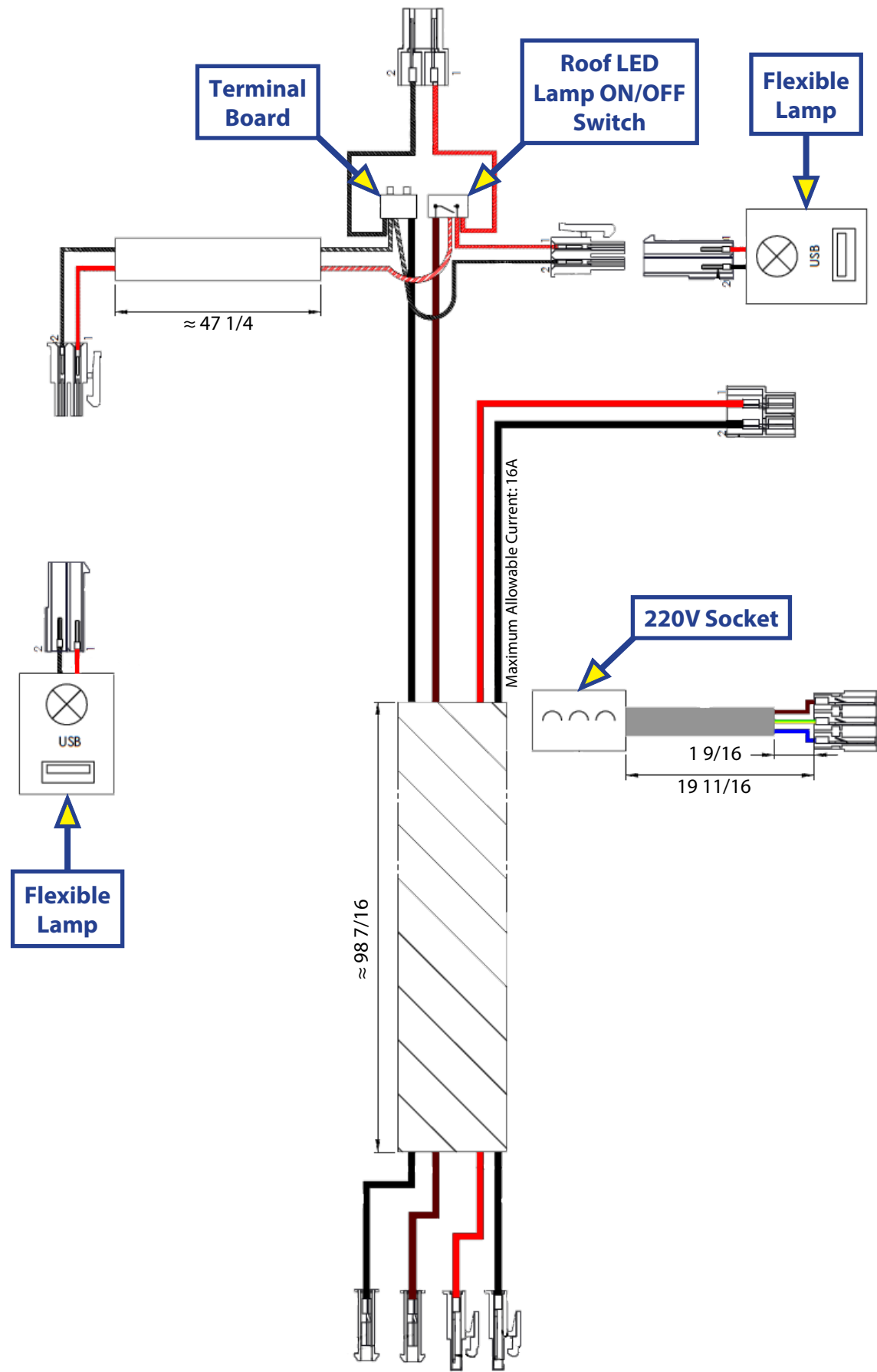
- Use a small amount of mild, Eco-friendly detergent to prevent damaging the pop up's material and to protect the environment.
- When using a hose or power sprayer, make sure to use a weak jet stream of clean water.
- Use a clean, soft sponge. Rinse sponge often.
- Rinse washed surfaces clean with plenty of clean water.
- Allow the roof to completely dry before closing the pop up roof.

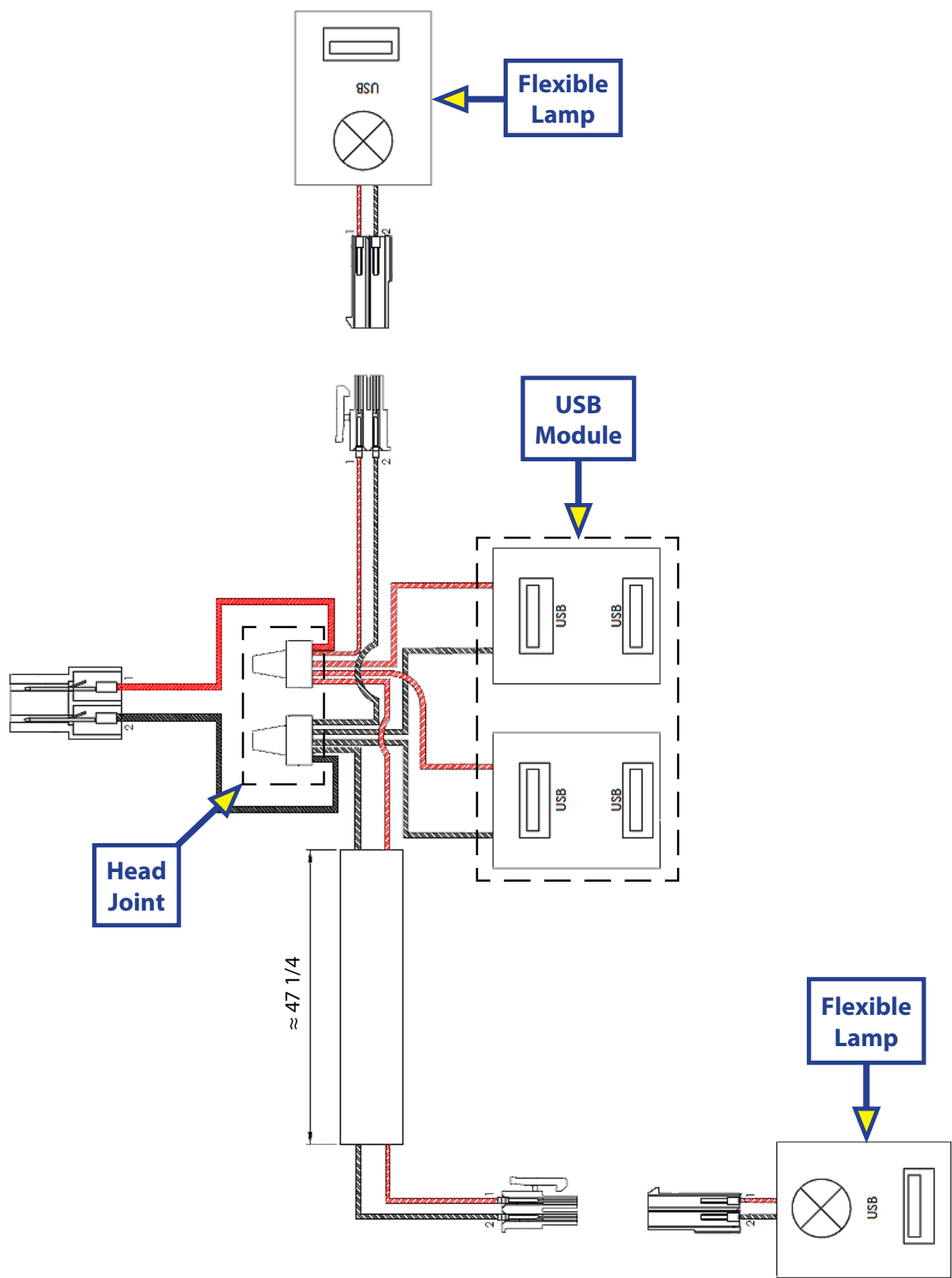
Cleaning Internal Pop Up Roof Surfaces

- Use a clean, soft cloth and mild, eco-friendly detergents.
- Allow internal surfaces to completely dry before using the sleeping area or closing the pop up roof.
- Immediately treat any stains on the fabric covering the roof.
 - Absorb stains without rubbing.
 - Do not use harsh detergents.

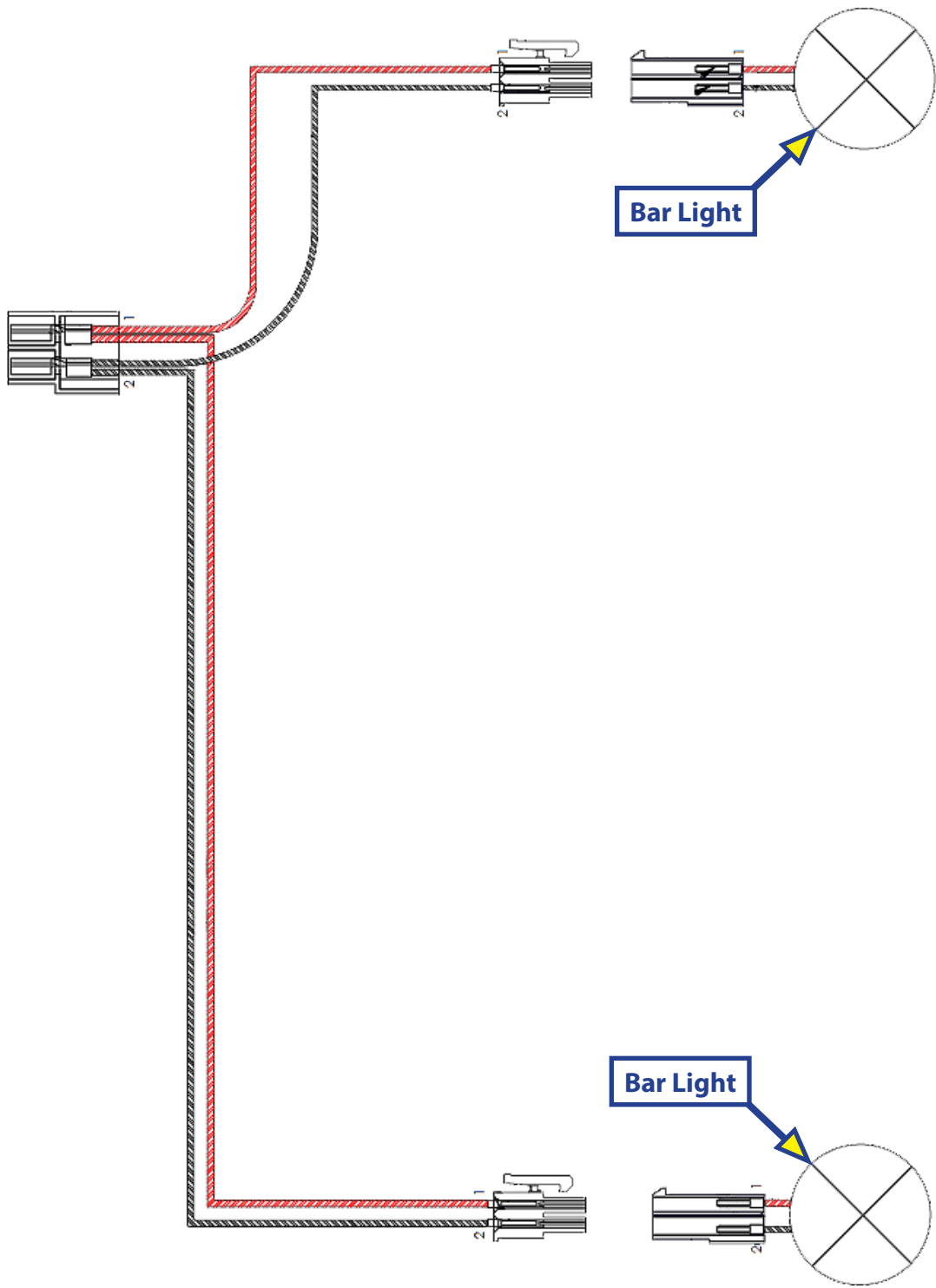
Wiring Diagram

Main Harness

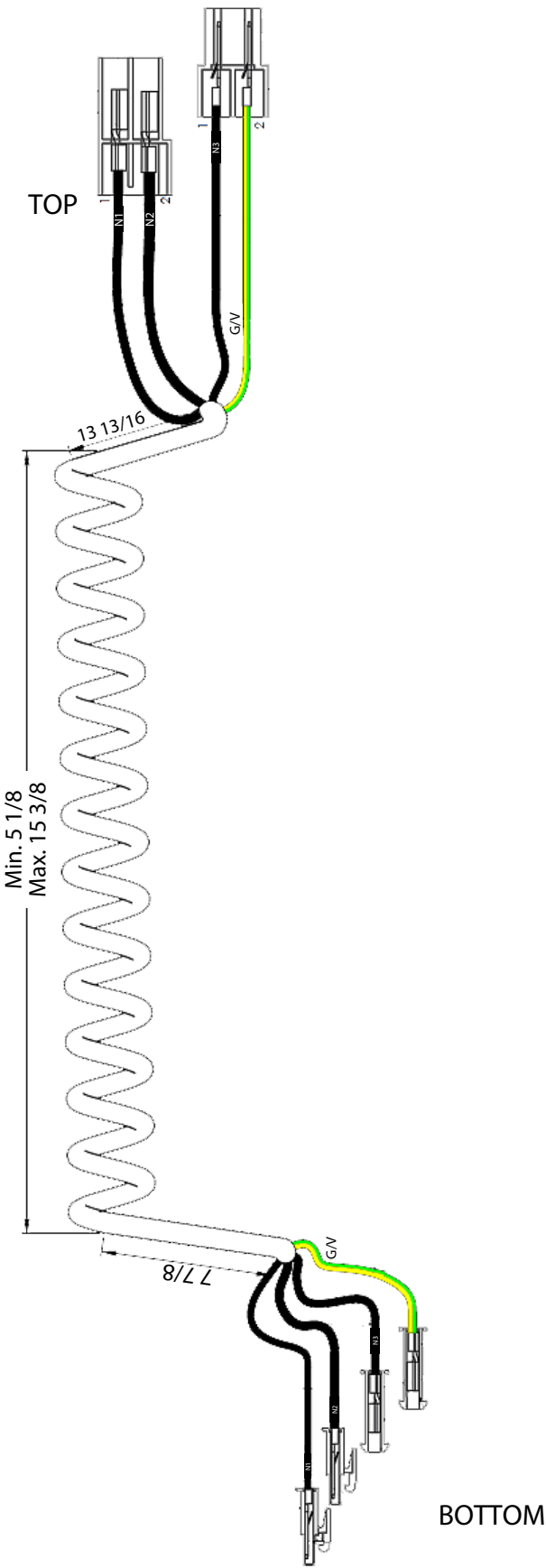




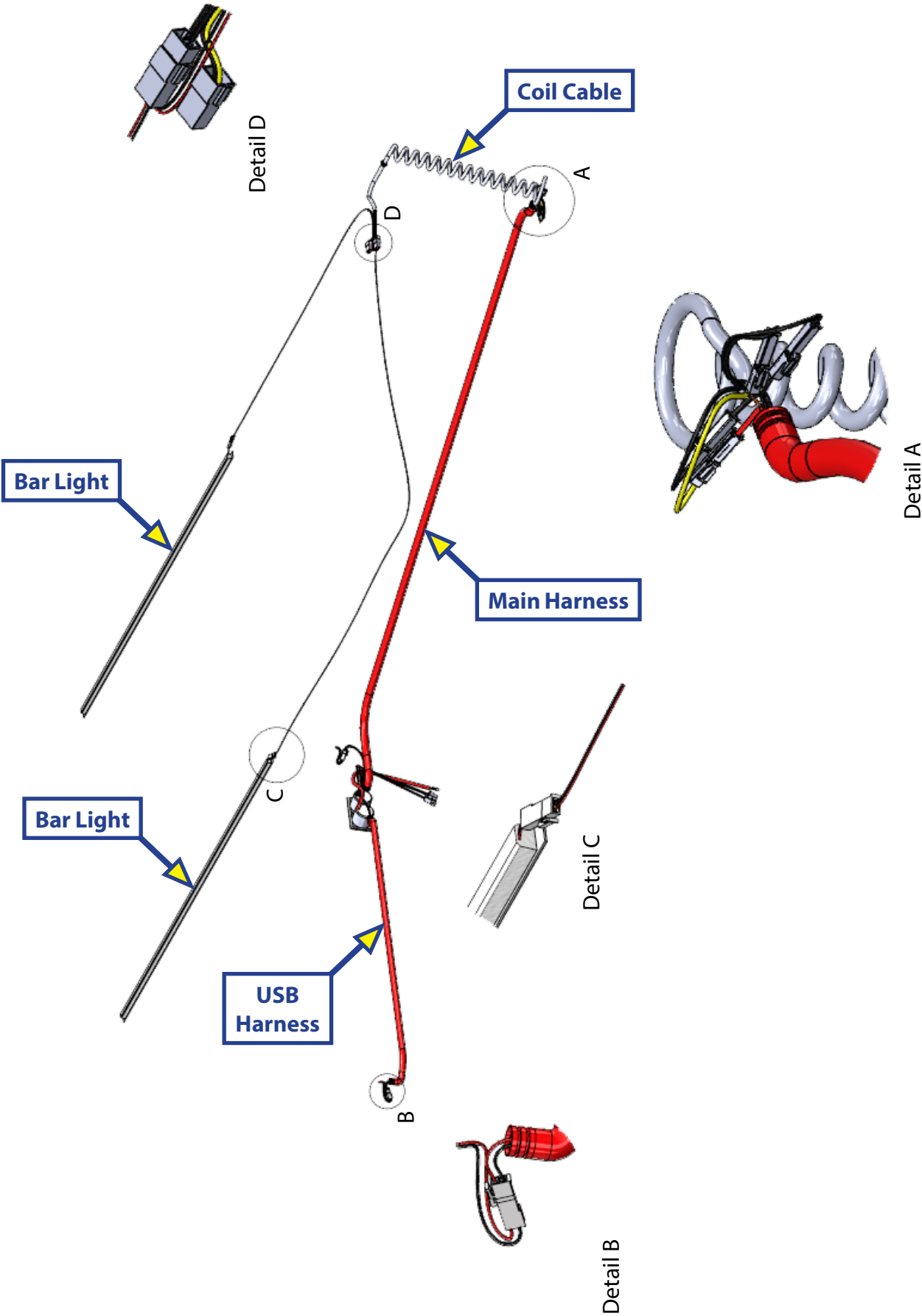
TOP Interconnect Harness



Coiled Cable Harness



Bar-light Interconnect



Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



The contents of this manual are proprietary and copyright protected by Lippert. Lippert prohibits the copying or dissemination of portions of this manual unless prior written consent from an authorized Lippert representative has been provided. Any unauthorized use shall void any applicable warranty. The information contained in this manual is subject to change without notice and at the sole discretion of Lippert. Revised editions are available for free download from lippert.com.

Please recycle all obsolete materials.

For all concerns or questions, please contact
Lippert

Ph: 432-LIPPERT (432-547-7378) | Web: lippert.com | Email: customerservice@lci1.com



This manual is provided courtesy of **RV Tech Cheat Sheet**



Professional resources for the whole RV industry — free.

We put manuals, wiring diagrams and hard-won tech knowledge in every technician's hands, so repairs get done right the first time, techs work faster, and RV owners everywhere get better service.



rvtechcheatsheet.com/manuals

Find thousands more RV manuals, wiring diagrams and parts lists

RV techs: share fixes, ask questions and learn from each other.

Join our free Facebook group →



Follow proper safety practices. If in doubt, consult a professional RV technician.