



PROJECT 2000 SLIDING STEP OEM INSTALLATION MANUAL

TABLE OF CONTENTS

Introduction	2
Safety	3
Resources Required	3
Installation	4
Post Installation Verification (Operation)	8
Wiring Diagram	9
Diagram 1	10
Automatic Opening/Closing Kit	10
Maintenance	12
Notes	13

Introduction

The Project 2000 Sliding Step is a resistant to corrosion, lightweight, and has a thermal breaker in case of high strain. The foot board is constructed of anodized aluminum with anti-slip rubber.

Disassembly of the Project 2000 Sliding Step voids the warranty.
Contact Lippert to obtain replacement parts.

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

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For information on the assembly or individual components of this product, please visit:
<https://support.lci1.com/steps/>

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 if not performed safely and within the parameters set forth in this manual.

WARNING

Failure to follow instructions provided in this manual may result in death, serious personal injury and/or severe product and property damage, including voiding of the component warranty.

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

Do not step on a retracted step. Stepping on a retracted step can cause personal injury and/or severely damage the motor. Extend the step to safely use the product as intended.

CAUTION

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

Resources Required

- Tool to install threaded inserts
- Cordless or electric drill or screw gun
- Appropriate drive bits
- 5 mm (7/32") drill bit
- 6.5 mm (1/4") drill bit

Installation

Installation of the sliding electric single step can be difficult and installers should not exceed their capabilities. Do not lift the unit by the axles. The axles were not designed as a viable lift point.

⚠ WARNING

Incorrect raising or lowering of the unit could result in death, serious injury and/or damage to the unit.

⚠ CAUTION

Ensure that the unit is properly supported before performing any maintenance or repair work. Follow the unit manufacturer's recommendations for lifting and supporting the unit. Use proper personal protective equipment.

1. Using a properly-rated floor jack, lift the trailer according to the manufacturer's recommendation.
2. Support framework in accordance with the manufacturer's recommendation.

NOTE: The holes in the step selected for attaching hardware are based on the application and the shape of the vehicle's chassis. The step should protrude from the vehicle a desired amount. The lip on the chassis into which the screws are drilled varies in units, and this will require users to decide which step holes for attaching hardware are most appropriate. From a rigidity standpoint, the first holes in front are the best. In the back, more stability is created the farther back the bolts are located. The location of the attaching holes depends on the needs of the customer.

3. Loosely attach the step's rear bolts. Insert the bolts in the back hole of the step or another hole location depending on application (Fig. 1).

Fig. 1



4. Install the front brackets using the long bolts, washers and nuts. Insert bolts into the third hole from the front or another hole location depending on application. Tighten to 4 Nm (3 ft-lbs) (Fig. 2).

Fig. 2



5. Select rear channel fastening points at the structural parts of the vehicle for which the manufacturer guarantees the design will support the mechanical resistance to the maximum loads of the step in addition to its own weight.
6. Place an insert (Fig. 3) on the special attaching tool and install in selected hole in the chassis.

Fig. 3



7. Repeat for other insert.
8. Install the pre-assembled aluminum rear channel onto the chassis with the hex head flange screws tightened into the inserts (Fig.4).

Fig. 4



9. Slide the rear bolts into the rear brackets on the pre-assembled channel secured to the chassis. The front of the step will hang down prior to being attached (Fig. 5).

Fig. 5



10. Route the step wiring inside the trailer and secure the step switch in a suitable position to avoid accidentally turning it on. Make sure the Alert Indicator wiring is filtered. See **Wiring Diagram**.
11. Use the front brackets to determine the locations for drilling 5 mm (7/32") pilot holes for the front bracket (Fig. 6).

Fig. 6



Fig. 7



12. Enlarge the pilot holes with a 6.5 mm (1/4") bit (Fig. 7).

13. Use the 6.3 mm x 25 mm (1/4" x 1") hexagonal head self-threading screws to attach the front bracket to the chassis (Fig. 8).

Fig. 8



14. Tighten the rear bracket bolts to 4 Nm (3 ft-lbs) (Fig. 9).
15. Verify proper installation by checking for movement of the step.
 - A. If there is play/movement, check fasteners and through holes for tightness.
 - B. If there is no play/movement, then the installation is complete.

Fig. 9



Post Installation Verification (Operation)



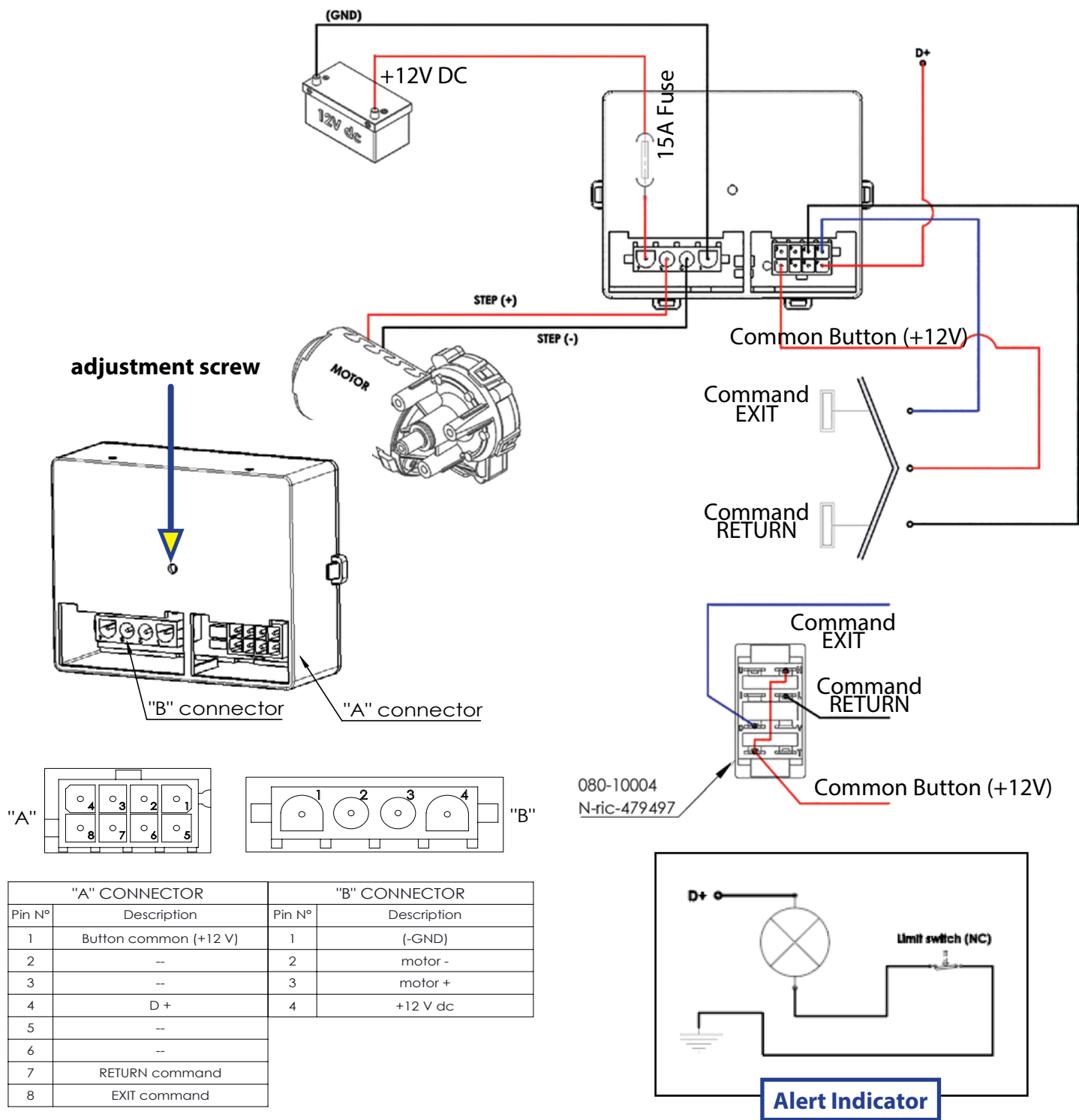
Do not walk on the step until it is completely stopped. Do not interfere with the step while in operation. Doing so may cause serious personal injury.

1. Park the unit on level ground.
2. Press and hold the switch to extend the step. The motion will continue until the step is completely extended when it will automatically stop. Release the switch.
3. Press and hold the switch to retract the step. The motion will stop when the step is completely retracted. Release the switch.

NOTE: Some step models offer a safety feature which provides automatic closure of the steps when the vehicle is started.

Wiring Diagram

Diagram 1



Step Open: Alert Indicator will be active when ignition is switched on.

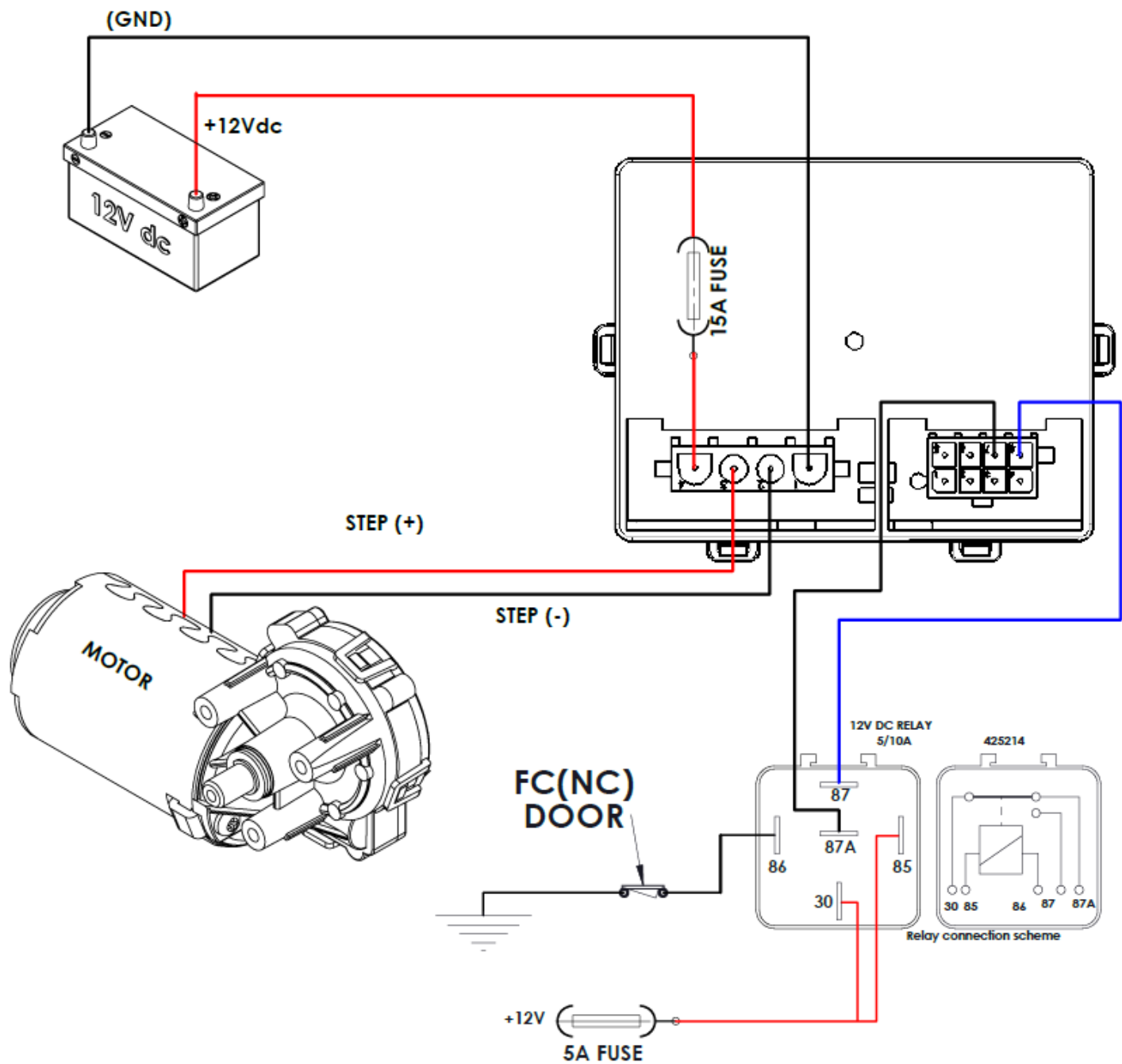
NOTE: D+ should be a positive line that comes from the vehicle anytime the parking brake is disengaged or the ignition is engaged.



Alert Indicator circuit must be filtered to 12V.

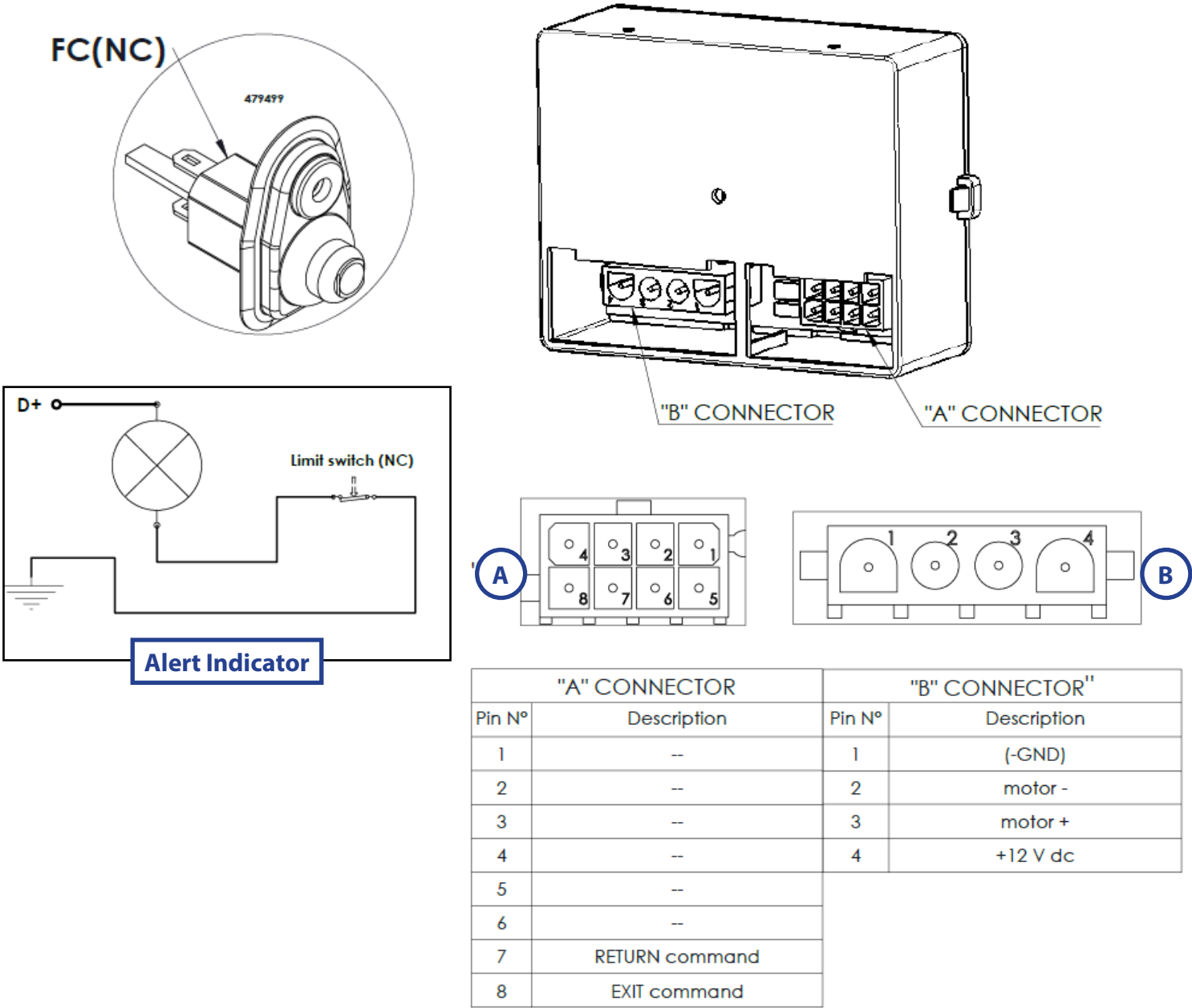
Wiring Diagram

For Automatic Opening/Closing Kit



Wiring Diagram

For Automatic Opening/Closing Kit (Continued)



Step Open: Alert Indicator will be active when ignition is switched on.

NOTE: D+ should be a positive line that comes from the vehicle anytime the parking brake is disengaged or the ignition is engaged.



Alert Indicator circuit must be filtered to 12V.

Maintenance

1. Make sure unit is parked on a stable, level surface.
2. Make sure power to the unit is turned off and/or disconnected.

⚠ CAUTION

Prior to starting maintenance procedures, disconnect power to the step's electrical system to prevent inadvertent operation of the step.

3. After driving on roads that are salted, wash the step with fresh water.

NOTE: If protective panels need to be removed for service or maintenance, reinstall panels as soon as possible after service/maintenance has been completed.

Troubleshooting

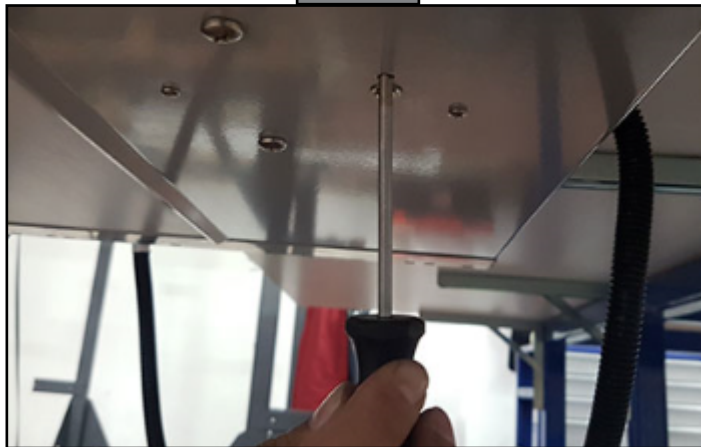
Resources Required

- Phillips screwdriver

Emergency Operation

1. The sliding electric single step is equipped with a manual activation option.
2. Locate the hole under the step.
3. Using a screwdriver, insert it into the hole (Fig. 10).
4. Push up the driving gear with the screwdriver to disengage the electric motor.
5. Move the step to the desired position.
6. Remove the screwdriver to lower the driving gear and stop the step from moving.

Fig. 10



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.



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