



# Instructions for Installation of Paw Lift®

## Packages (Included with the System)

- Box 1** Carrier Box
- Box 2** Rail System and Control Bar Box
- Box 3** Hardware and Controls Box



## Recommended Tools (Supplied by the User)

- #1 Measuring Tape
- #2 Scissors
- #3 ½" Wrench
- #4 Short Phillips Screwdriver
- #5 Awl
- #6 Torpedo Level (preferred) or Square
- #7 Cordless Screwdriver with Phillips Bit
- #8 3/16" Allen Wrench



## Standard Notations

The following notations may be used throughout this guide to emphasize important safety information, mechanical concerns, and other information. U.L.A., LLC recommends that you review and follow all of these messages.

**WARNING:** Warning messages indicate a potentially hazardous situation, which, if not avoided, could result in death or serious injury.

**CAUTION:** Caution messages indicate a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury and/or damage to the machine.

**NOTE:** Note messages provide information, such as reminders, general information about a previous statement, or helpful tips.



And here we go!.....

## INSTALLATION

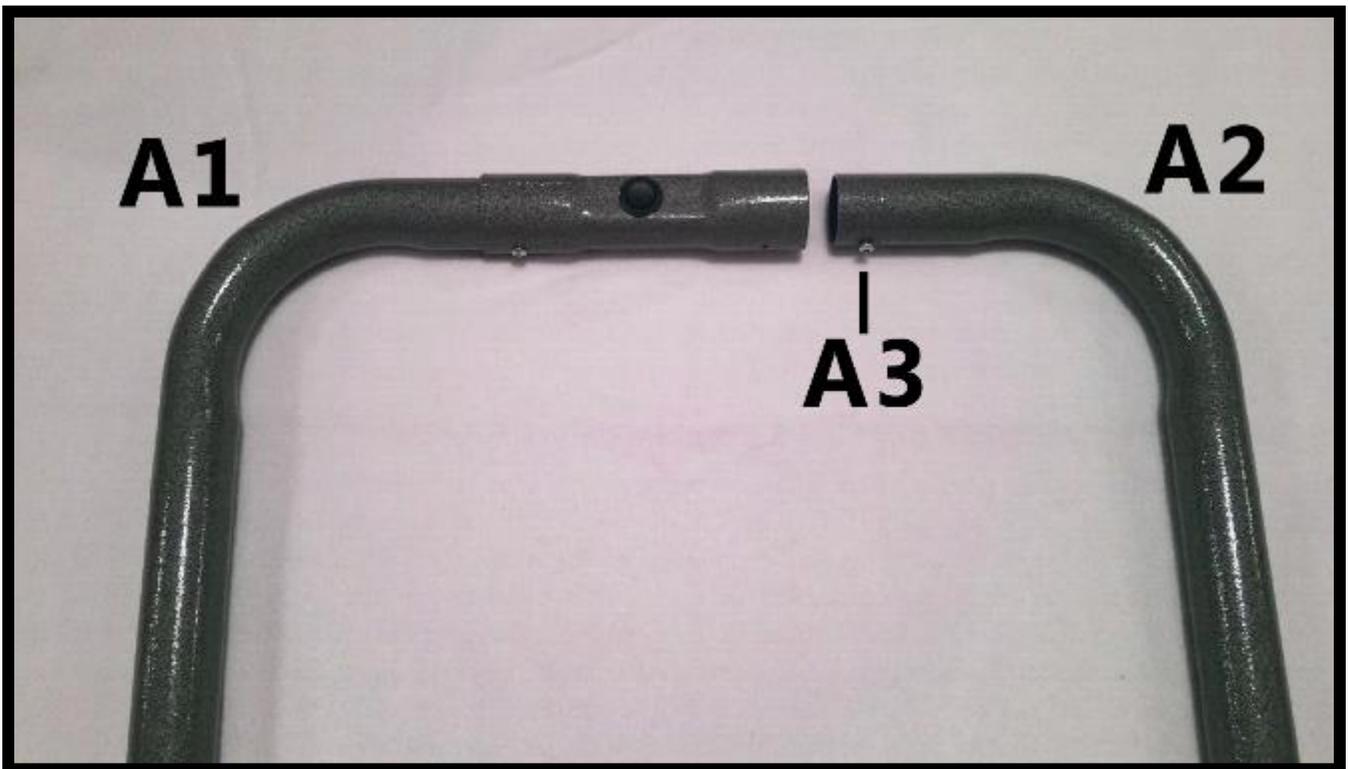
**WARNING:** Mechanical and electrical installation tasks should only be performed by qualified personnel to avoid risk to humans or animals.

**WARNING:** DO NOT connect to 120V AC power supply until installation of the lift is complete.

## **Control Bar Assembly**

1. Locate the control bar pieces **A1** and **A2** in **Box 2**.
2. Assemble the control bar by connecting **A1** and **A2** with the existing screw **A3** by using the short Phillips screwdriver **#4**.

**CAUTION:** Do not use the cordless screwdriver **#7** or you may strip/damage the existing screw **A3**.



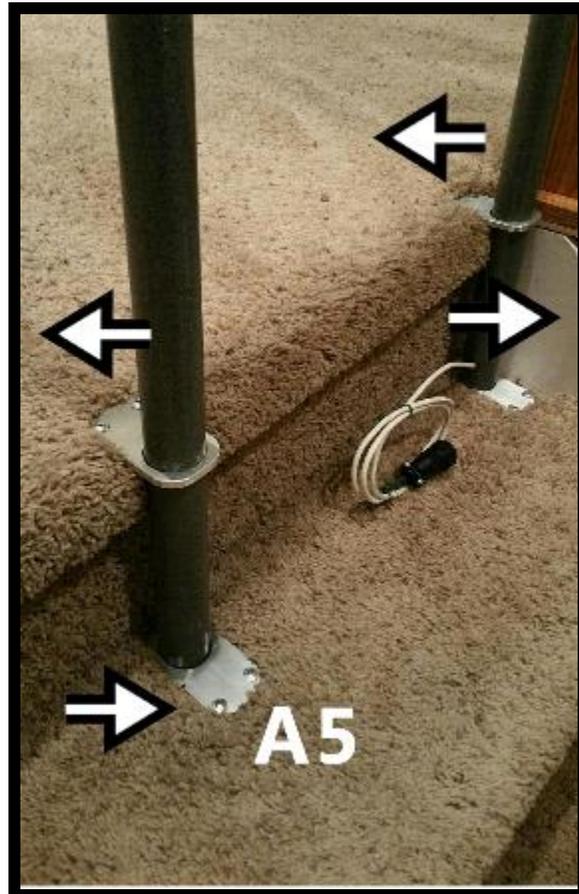
3. Locate the needle screws **A4** in **Box 3**.



4. Position the control bar at the top of the stairs with the control switch facing the top of the stairs.



5. Position the four control bar brackets **A5** as shown with the upper two facing up the stairs (on the top step) and the lower two facing down the stairs (on the next step down).



6. Use the level **#6**, the cordless screwdriver **#7**, and the needle screws **A4** to install the control bar brackets **A5** already attached to the vertical rails. You will use eight of these screws on the control bar brackets **A5**. Additional screws in the bag will be used later. Install the upper then the lower control bar bracket **A5** on the vertical rail located closest to the wall first. Position the vertical rail as close to one side of the stair as possible as well as against the top-most step. Then repeat the previous step for the control bar brackets **A5** on the vertical rail located furthest from the wall. Both vertical rails should be positioned tight up against the front lip of the upper step and the bottom back of the lower step (kickboard). Use the measuring tape **#1** to ensure the distance between the vertical rails is the same at the top and the bottom. Use the level **#6** on the vertical rails to ensure that they are plumb vertical.

**CAUTION:** For carpeted stairs, puncturing the carpet with the awl **#5** and coating the needle screws **A4** with bar soap prior to installing may help minimize damage to the carpet during installation.

## **Rail Assembly**

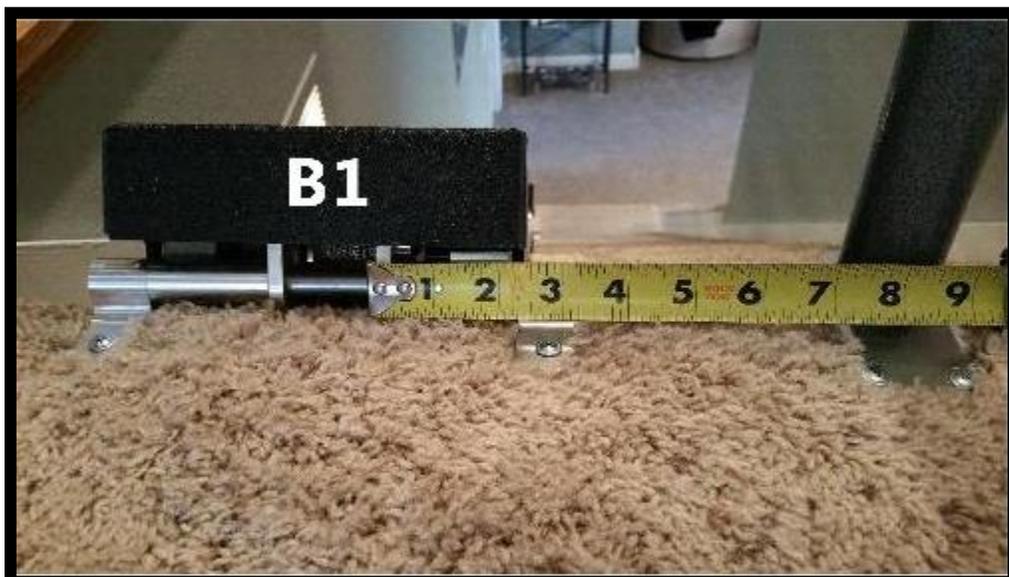
1. Locate the winch/rail **B1** in **Box 2**. Place it on the stairs with the top stabilizer **B2** on the top step directly under the control bar.

**WARNING:** For heavy components like winch/rail **B1**, lift carefully and seek help to avoid potential injury during installation.



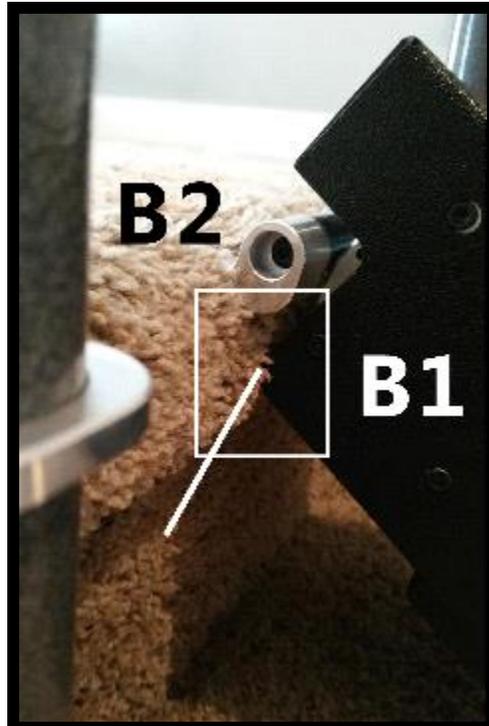
2. Center the winch/rail **B1** between the control bar vertical rails.

**CAUTION:** Failure to center the winch/rail **B1** may result in damage from the carrier impacting the control bar.



3. Position the winch/rail **B1** so that the winch cover is barely touching the top step.

**NOTE:** Leave a tiny gap.



4. Use the cordless screwdriver #7, and needle screws A4 to install the stabilizer B2 to the top step.

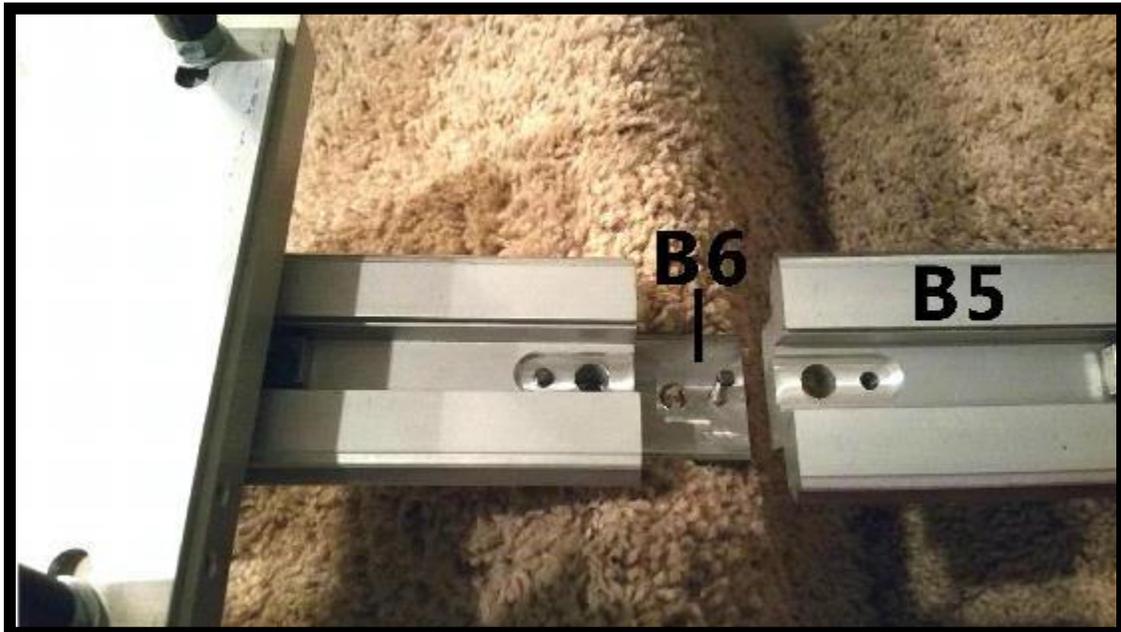
**CAUTION:** Ensure that the winch/rail B1 is parallel to the wall before installing the stabilizer B2.

5. Lift the winch/rail B1 up from the bottom and use the short Phillips screwdriver #4 to remove and discard the screw B3 and block B4.

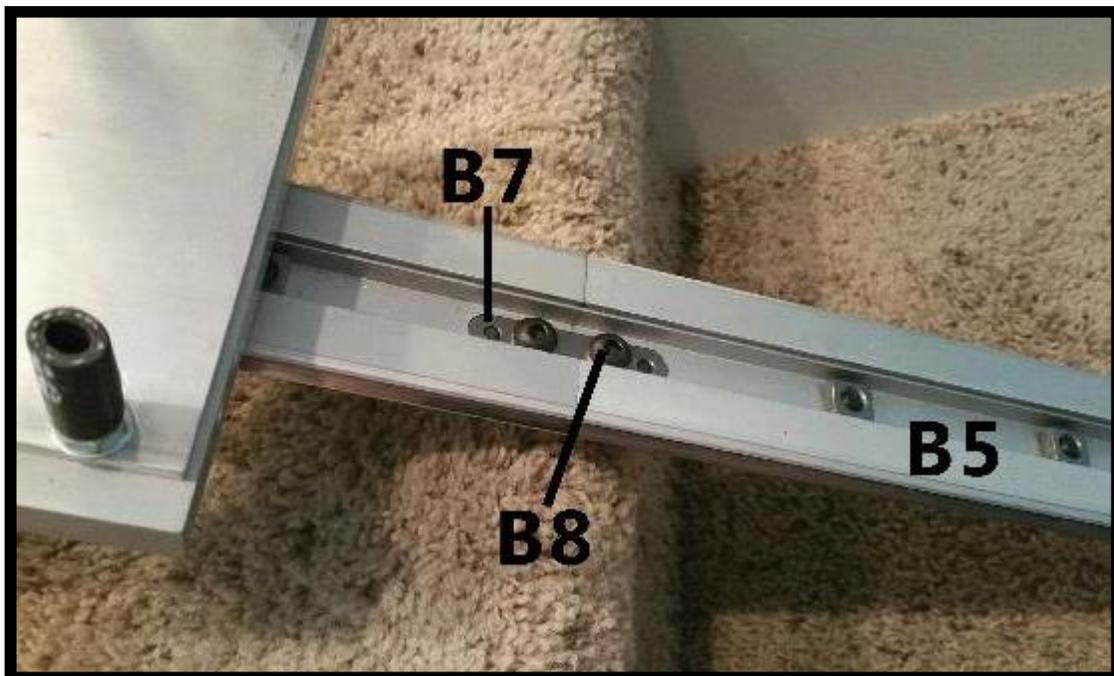


6. Locate the rail splice kits B6, B7, and B8 in Box 3. Locate the remaining rails B5 in Box 2.

7. Install the remaining rails **B5** by using the splice bottom **B6** to connect the rail **B5** ends. The rails **B5** are in no specific order.



8. Place the splice top **B7** across the two rails **B5** and use the Allen wrench **#8** and screws and lock washers **B8** to complete the splice installation.



**CAUTION:** Ensure that the screws and lock washers **B8** are tight so that the rails are solid and the carrier will move smoothly over them.

9. Locate the unique T-nut wrench **B10** and the stabilizer **B11** in **Box 3**.



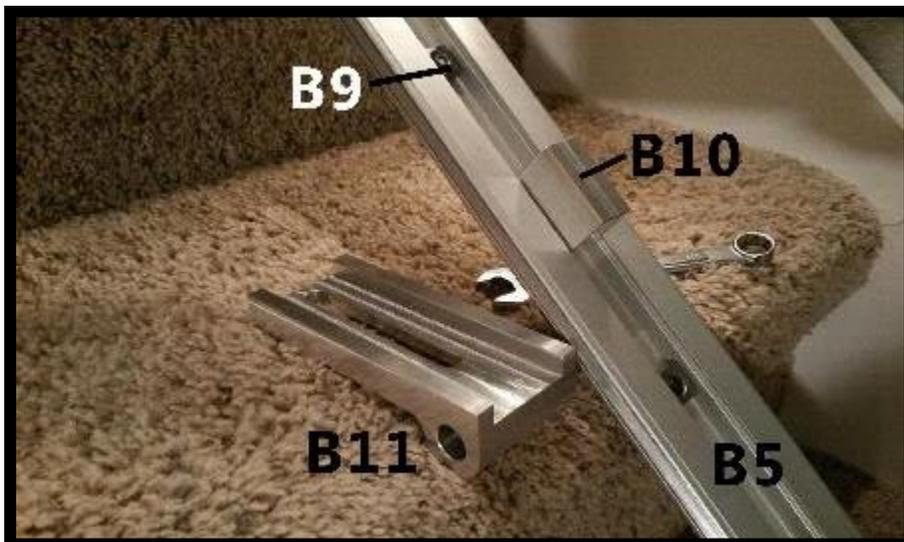
10. Identify locations for the remaining stabilizers **B11**.

**NOTE:** Place one near the bottom and evenly distribute the rest along the length of the rail **B5** for best stability. Choose the tread either before or after those locations. Avoid placing a stabilizer **B11** on a splice due to hardware interference.

11. Use the T-nut wrench **B10** and the wrench #3 to remove bolts, washers, and T-nuts **B9**, only where necessary for stabilizer **B11** installation.

12. Place the center step mount **B11** in the desired location, near the edge of the tread.

**NOTE:** You will use one, maybe two holes to mount the center step mounts **B11** to the rail **B5**.



13. Locate the longer bolts **B12** in **Box 3**, along with the same washers and T-nuts **B9** you removed in Step 11.



14. Use the longer bolts **B12**, washers and T-nuts **B9**, T-nut wrench **B10**, and the wrench **#3** to install the center step mounts **B11**.



**NOTE:** The center step mount **B11** shown is only using one hole.

15. Locate the spacers **B13**, end caps **B14**, and stabilizer shafts **B15** in **Box 3**.



16. To complete the stabilizer installation, place the spacer **B13** on the wall side of the center step mount **B11** and set one end cap **B14** on each side of the rail **B5**. This ensures one side of the treadway is clear for foot traffic and does not create a trip hazard. Slide the stabilizer shaft **B15** through the center step mount **B11** and the spacer **B13**. Join the stabilizer components by pushing both of the end caps **B14** in tightly onto the stabilizer shaft **B15**.



**NOTE:** Take several measurements along the rail to ensure that the winch/rail **B1** and the rail **B5** are parallel to the wall.

17. Once the stabilizer components are all in place, use the cordless screwdriver **#7**, and needle screws **A4** (as previously used in Step 4) to install them to the steps.

**CAUTION:** For carpeted stairs, puncturing the carpet with the awl **#5** and coating the needle screws **A4** with bar soap prior to installing may help minimize damage to the carpet during installation.

### **Controls Assembly**

1. Locate the lower limit switch **C1** in **Box 3**.
2. Identify the location for the lower limit switch **C1** on the side of the rail **B5** closest to the wall and nearest the first step up from the floor level.

**NOTE:** The lower you place the lower limit switch **C1**, the further down the carrier will travel before it stops which will allow easier transition in and out of it, for your pet. Since this may be difficult to calculate at this point, set the lower limit switch **C1** near the bottom of the stairs so that the top part of the box measures 18" up from the bottom of the rail. Install it in the hole nearest that location, moving up (not down) the rail **B5** if need be.

3. Install the lower limit switch **C1** using the longer bolts **B12**, washers and T-nuts **B9**, T-nut wrench **B10**, and the wrench **#3**. This may require minor adjustments later.

**NOTE:** All of the holes in the rail require bolts, washers, and T-nuts **B9** (except for the first five holes near the top of the rail and holes that are located too close to the center step mounts **B11**) but only the holes being used for construction/installation require the longer bolts **B12**.



4. Locate the lower control **C2** in **Box 3**.



5. Connect the lower control **C2** to the bottom of the lower limit switch **C1**.

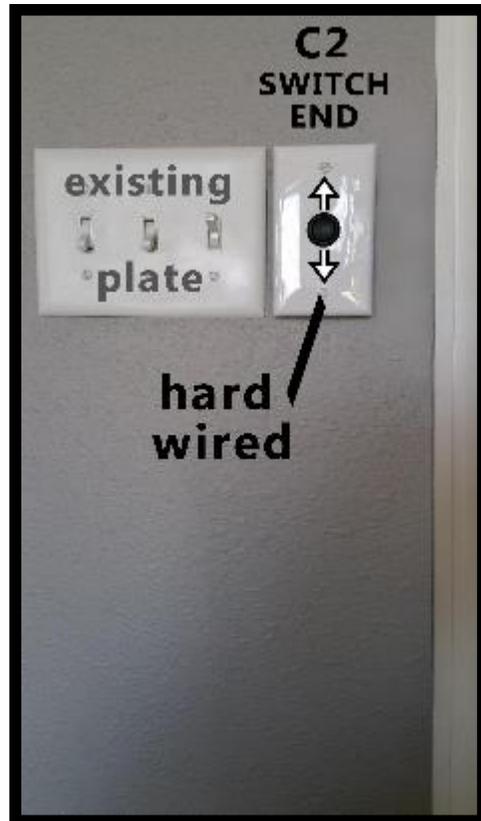


6. Mount the switch end of the lower control **C2** on the wall in a safe convenient location.

**NOTE:** There are two ways this can be done. One way is to mount the attached switch end box control directly to the wall with thick double sided tape (included in Box 3) and secure the cable running down the wall by using the raceway C4 described in Step 7. The second way is to have the cable hard wired into your wall so that it can be operated by using the switch plate control, bagged separately in Box 3.



**OR**

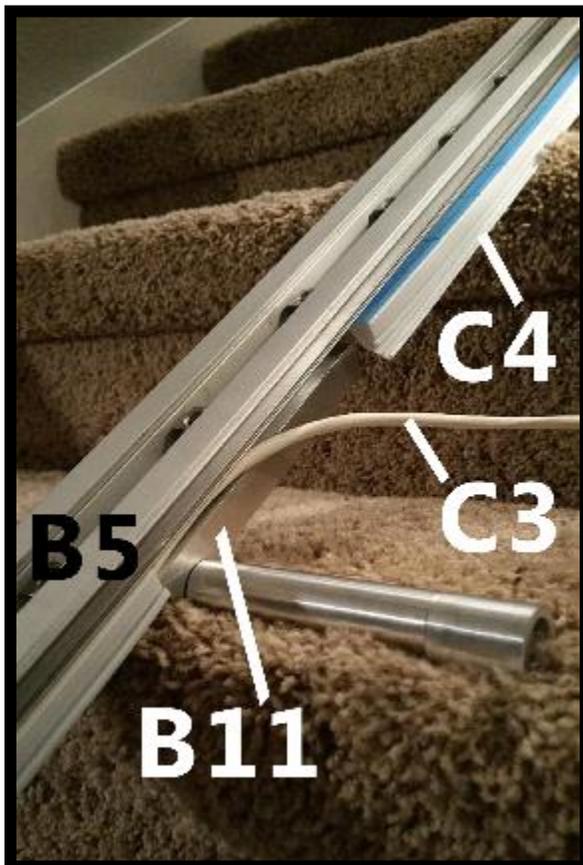


7. Locate the raceway **C4** in **Box 3**. The raceway **C4** sections firmly fold over and snap together.



8. Route the lower limit switch cable **C3** coming out of the top of the lower limit switch **C1**, by tucking it up under and along the rail **B5**. The center step mounts **B11** have a gap above them that you can place the lower limit switch cable **C3** in, while continuing up the rail **B5**.

9. Use the measuring tape **#1** and measure between each center step mount **B11**. Cut the sections of raceway **C4** using the scissors **#2**.
10. Remove the blue strip to expose the 2-sided tape. Adhere the raceway **C4** pieces along the rail **B5** with the sticky side facing straight up underneath the rail **B5**.

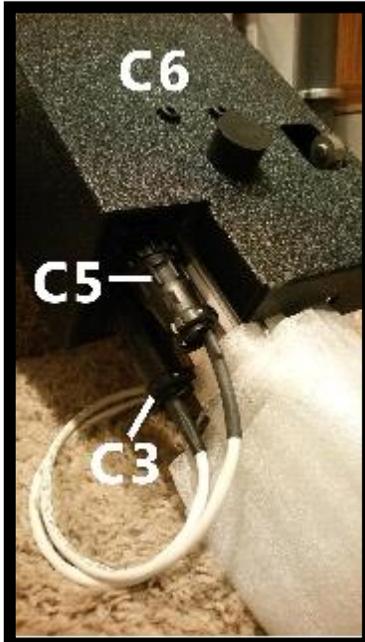


11. Route the lower limit switch cable **C3** through the raceway **C4** all the way up the rail **B5** and firmly snap it shut.

**NOTE:** The very top piece of the raceway **C4** will need to be placed after step 13.

12. Connect the lower limit switch cable **C3** to the winch control box **C6**. Connect the upper control switch **C5** (located at the bottom of the control bar) to the winch control box **C6**. The pins will line up. Turn them until you feel them lock.

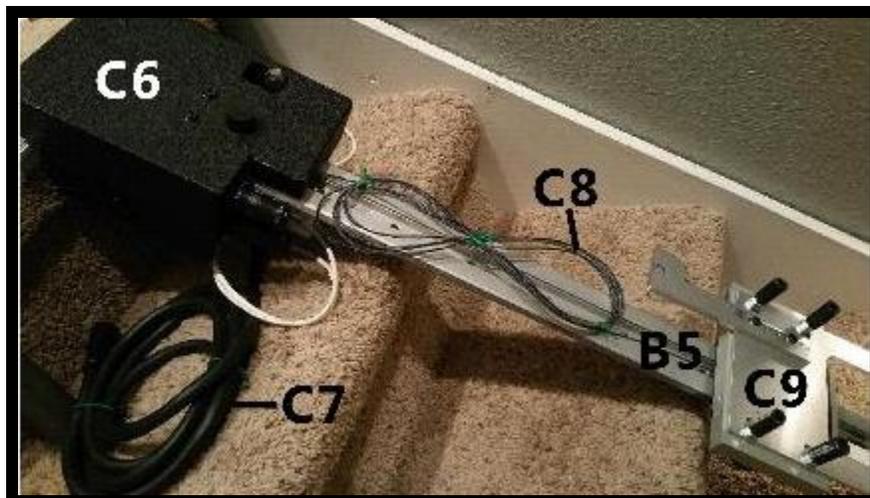
**NOTE:** The lower limit switch **C3** cable fits into the bottom connector of the winch control box **C6** and the upper control switch **C5** fits into the top connector of the winch control box **C6**.



13. Remove the securing materials from the winch control box cable **C7** and the carriage cable **C8**.

**CAUTION:** Do not get the carriage cable **C8** tangled or damaged. Keep the carriage cable **C8** in the center of the rail **B5**.

14. Place the final section of raceway **C4** at the top, between the carriage **C9** and the winch control box **C6**.



15. To release the carriage **C9**, move the carriage **C9** up the rail **B5** slightly. Next, pull up enough on the carriage cable **C8** to release the catch pawl **C10**. Now, while keeping the cable taut, apply gentle downward pressure to help guide the carriage **C9** as it slides down the rail **B5** towards the lower limit switch **C1** where it will stop.

**NOTE:** As long as there is tension on the carriage cable C8, the carriage C9 can move freely up and down the rail B5. If the carriage cable C8 becomes loose, the catch pawl C10 will engage and stop the carriage C9 on the next nearest T-nut.



16. Locate the main control box C11 in Box 3.



**WARNING:** Before proceeding, ensure that the power switch C12 is in the "OFF" position and that the main control box C11 is not connected to any AC power source.

17. Connect the winch control box cable C7 to the main control box connector C14.

**NOTE:** The winch control box cable C7 will have numbers on the end of it that when read in an upright position, will fit easily into the main control box connector C14. The pins will line up. Turn the outer ring until you feel it lock.



18. Connect the power cable **C13** to the main control box connector **C15**.

**WARNING:** Do not connect the other end of the power cable **C13** to 120V AC power.

19. Locate the nylon cable clamps/screws **D5** in **Box 3**.



20. These can be used to position and secure the winch control box cable **C7** that runs from the winch control box **C6** to the main control box **C11** by using the short Phillips screwdriver **#4**.



21. Open the cover using the cordless screwdriver **#7**.

22. Remove the red clip on battery **C16**'s positive connection.



1. Remove the carrier **D1** assembly from **Box 1**.

**NOTE:** Remove the end pieces of foam **FIRST**. Then lift up using both handles to remove it from the box.

**WARNING:** For heavy components like the carrier assembly, lift carefully and seek help to avoid potential injury during the installation.

2. Remove the securing ties from the release pedal **D2** with the scissors **#2**.



3. Press down on the release pedal **D2** and raise the carrier **D1** from the carrier base **D3**.

**WARNING:** When pressing down on the release pedal **D2**, control the lift as the gas charged struts will cause the empty carrier **D1** to rise with some force.



4. Locate the carrier hardware **D4** in **Box 3**, which includes eight sets of flat washers, lock washers, and hex nuts.



5. After removing the protective material from the eight carriage **C9** studs, place the carrier base **D3** onto the studs. Use the wrench #3 to assemble the carrier base **D3** to the carriage **C9** with the carrier hardware **D4**. Install the flat washer first, then the lock washer, and finally the nut.



6. Connect the power cable **C13** to a 120V AC outlet and turn the power switch **C12** to the "ON" position.



7. Confirm that the controls and limit switches operate properly. The lift will stop moving when the upper or lower limit switches are engaged. You can test these by simply applying pressure with your finger to the upper or lower limit switches while using the upper or lower controls.



8. In order to adjust the lower limit switch **C1**, use either the upper or lower controls to move the carrier **D1** up the stairs enough to access the lower limit switch **C1**. Refer to step 3 under **Controls Assembly** to install the lower limit switch **C1** in the recommended lowest adjustable position, in order to allow for your pet's easiest entry into the carrier **D1**.



**OR**



**OR**



9. Remove the protective film from the carrier sides to allow your pet to see out of the carrier **D1** before use.



**CAUTION:** The carrier sides are not completely scratch resistant. Refer to the Maintenance Instructions for proper cleaning.

10. Please refer to the User Guide for operation and use.



**CONGRATULATIONS** on the installation of your new Paw Lift®!