



EZ Way, Inc.

*“Your Total Patient Lift Solution”*

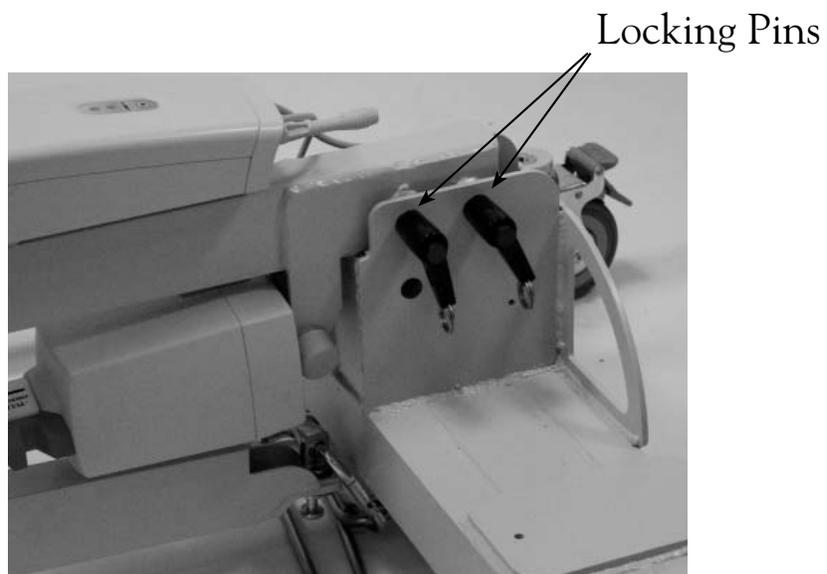
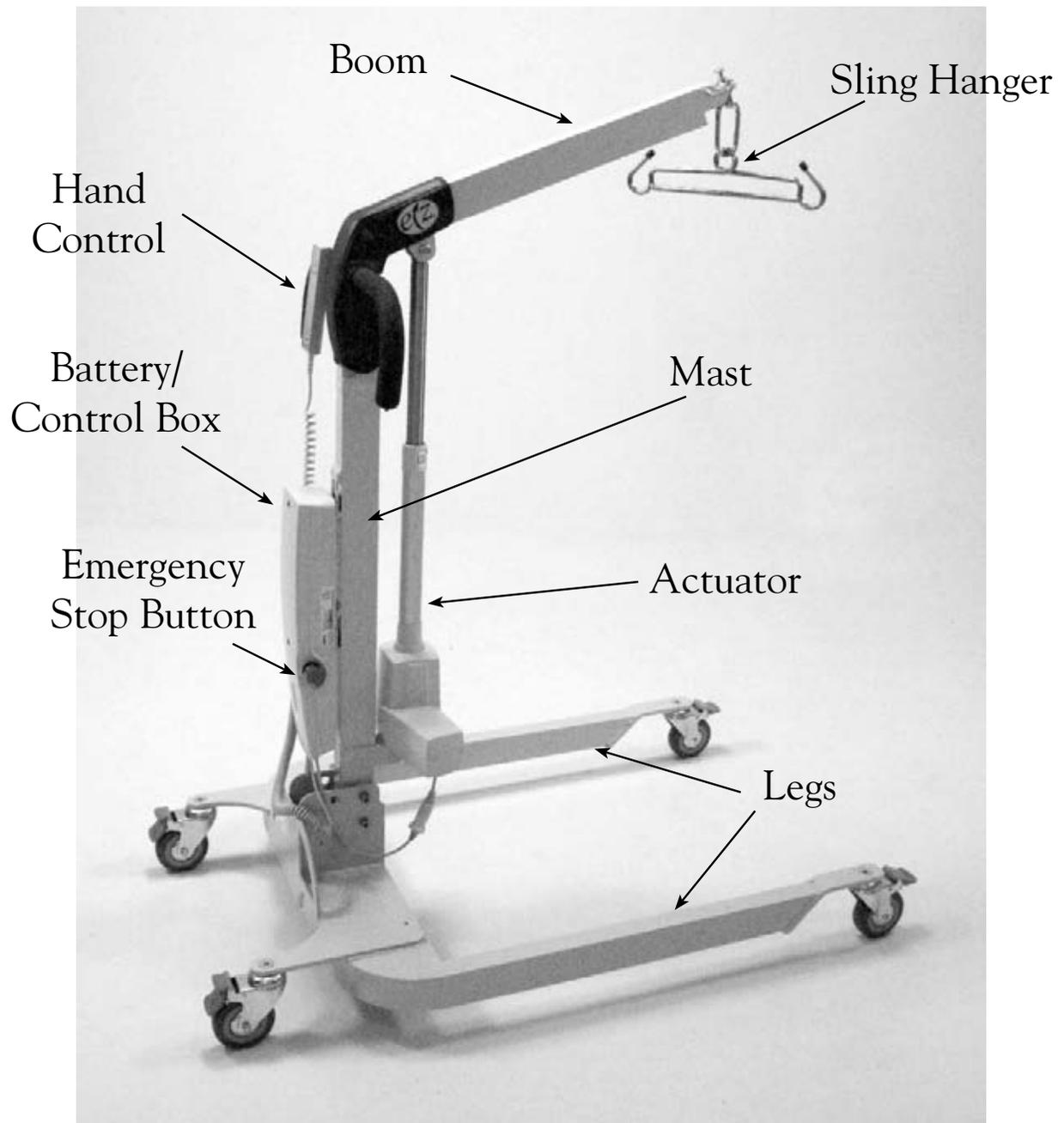
## **EZ Light Lift 300 lb. Capacity**

### **Operator’s Instructions**



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Form 2-182  
Rev. 3/11/10



The EZ Light Lift is a versatile patient lift which allows you to perform transfers into and out of a car as well as most common lifting situations.

The EZ Light Lift is lightweight, compact, and foldable. It allows for easy storage when not in use, and can be stored in the trunk of a car for transfers away from home. It has a 300 lb. weight capacity and weighs just 58 lbs.

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## Safety Notes

The patient's condition must be considered when determining the safest method for transferring the patient and common sense must be utilized to determine if an individual is combative or has certain contraindications that may deem them inappropriate for transfer with a lift.

When using the EZ Light Lift for extraction from a vehicle, great care should be taken when operating the lift outdoors. The lift should not be operated on a steep incline and the area should be clear of debris. The lift is not for use as a transporting device, but for point to point transfers.

EZ Way designs slings specifically for use with the EZ Light Lift. For the safety of the patient, do not use any other type or brand of sling with the EZ Light Lift.

The EZ Light Lift has special locking casters on the front of the lift. Follow all instructions for locking and unlocking the casters. See page 7 for instructions.

### **⚠ WARNING:**

**Operators must read this operators' manual and complete the EZ Light Lift Training Checklist prior to using the lift. It is also recommended that operators practice operating the lift prior to using with patients.**

### **⚠ WARNING:**

**Do not push, pull, or use the actuator (motor) as a handle for maneuvering the lift.**

### **⚠ WARNING:**

**Keep the area clear between the actuator and the mast.**

# EZ Light Lift Assembly

1) Lock rear casters.

2) Hold handle on mast assembly and remove locking pin from mast assembly. (See Figure 1)



Figure 1

3) Pivot mast/boom assembly upward and insert locking pin through base and mast assembly. (See Figure 2)



Figure 2

4) Line up mounting posts on battery controller with slots on mast. Slide the mounting posts into slots and push down. (See Figure 3)



Figure 3

5) Locate cord from actuator and plug it into the cord coming from the bottom of the controller. (See Figure 4)



Figure 4

6) Make sure plug is fully seated in controller.

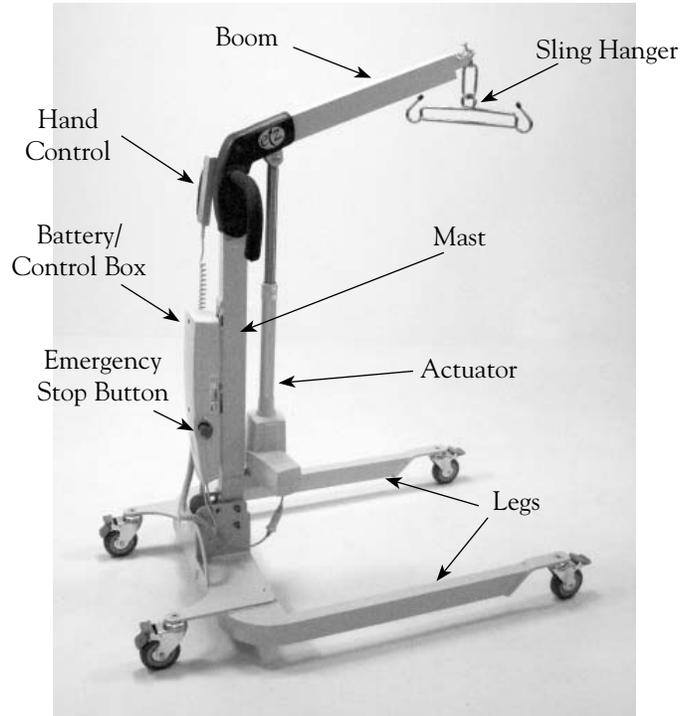


Figure 5

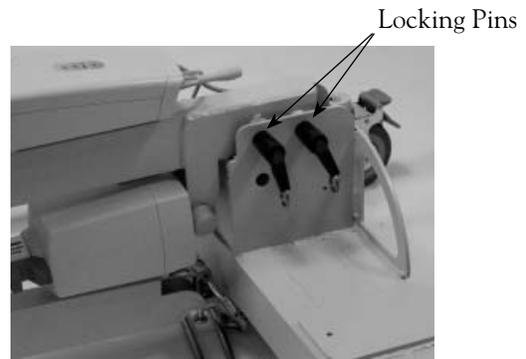


Figure 6



Figure 7 - Easily fits in a standard vehicle trunk

## Folding the EZ Light Lift

The EZ Light Lift is designed to fold to a compact profile for storage when not in use and can be stored in the trunk of most vehicles.

- 1) To fold the lift, lock the rear casters.
- 2) Lower the boom to the lowest position.  
(See Figure 8)



Figure 8

- 3) Grasp lift handle on boom to stabilize the mast.
- 4) Remove lower pin.  
(See Figure 9)



Figure 9

- 5) Fold unit closed and re-insert pin into hole.  
(See Figure 10)



Figure 10

The controller may be removed to reduce the unit's weight. Unplug the actuator cord from the controller. Stand at the back of the unit and lift slightly on the controller and slide it to the right.

To further reduce the weight, the unit can be broken down into two pieces. Hold the mast/boom assembly and remove both locking pins from the base assembly. The mast/boom assembly can then be removed. Insert both pins in their holes for storage.

## Operating the EZ Light Lift

### Pre-operation check

Before operating the lift, complete a safety check for loose nuts, bolts, pins or damaged parts. Also, ensure the sling is not ripped, frayed or showing signs of wear. EZ Way recommends all slings be replaced at the first sign of wear or after one year of usage.

Make sure the Emergency Stop Switch is released by turning the Emergency Stop Switch knob clockwise.  
(See Figure 11)



Figure 11 - Emergency Stop button

To raise and lower the lift, use the buttons marked ↑ and ↓ on the hand control to operate the lift in the up and down directions. (See Figure 12)



Figure 12 - Raise and lower the lift

There is an additional down button on the control box. (See Figure 13)



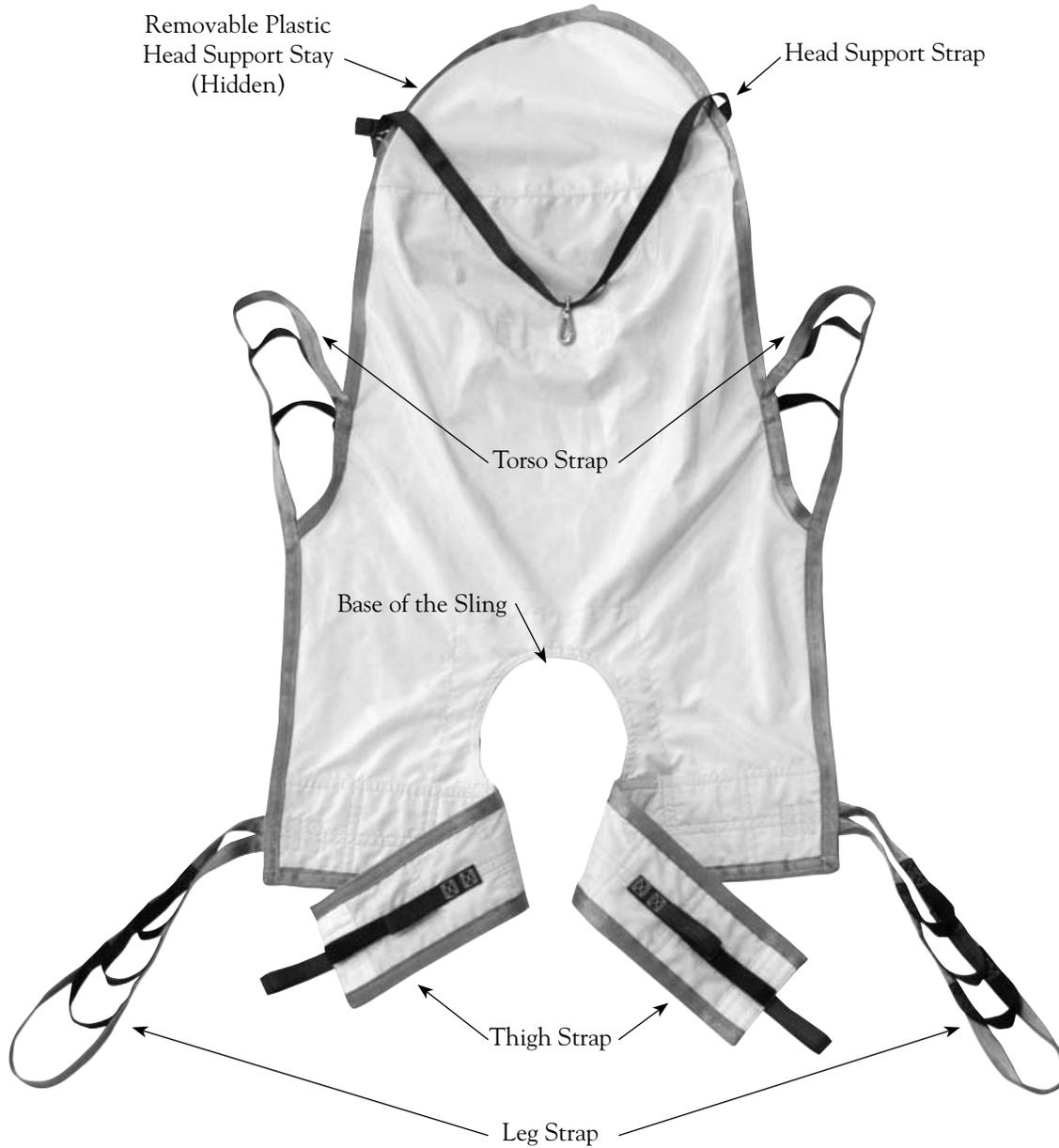
Figure 13 - Down button on control box

## Sling information and diagram

The EZ Light Lift uses a specially designed sling. Do not use slings that are not designed for use with the EZ Light Lift.

As patients vary in size, shape, and weight, these conditions must be taken into consideration when deciding which size EZ Way sling is suitable for each patient's needs. The slings are available in various sizes. Please contact EZ Way with any questions regarding sling dimensions and sizes.

To order slings call 1-800-627-8940.



**Figure 14**

## Transferring in and out of a vehicle

The EZ Light Lift can be used for transfers into and out of a vehicle. Transfers are easiest to accomplish from the front seat.



The lift should not be used on steep inclines. When the lift is being used on moderate inclines, the front casters should be locked to prevent swiveling. These casters should be unlocked for all other lifting situations. To transfer into or out of a vehicle, follow the instructions for transfers from a seated position.

## Transferring patient from a seated position

### Step 1

#### *Apply the sling*

- 1) Lean the patient forward a few inches to place the sling behind the patient.
- 2) Slide the sling down between the patient and the back of the chair, making sure the washing labels face the chair and the handle on the sling faces outward and is in the middle of the patient's back. The base of the sling should touch the chair and the head support strap should be above the patient's shoulders. (See Figure 15)



Figure 15 - Slide sling behind patient

- 3) Lean the patient back in the chair.

- 4) Pull each leg strap of the sling along the side of each of the patient's legs. To set the sling properly and remove any slack in the material, push the sling down towards the seat of the chair near the patient's hip and give the sling leg a tug. Repeat this process on the opposite side.
- 5) Lift the patient's knee and pull the thigh strap under the patient's thigh and wrap it around to the top of the leg. Choose a loop on the thigh strap that will provide the tightest fit around the leg and pull the leg strap through the loop on the thigh strap. Repeat process on opposite leg. (See Figure 16)



Figure 16 - Pull leg strap through thigh loop

### Step 2

#### *Position the lift*

- 1) Position the lift so the tip of the boom is directly in front of the patient's torso. Make sure the wheels of the EZ Light Lift are unlocked.
- 2) Use the hand control to lower the lift so the hanger bar is approximately at the same level as the patient's chest.
- 3) Hook the left leg strap to the hanger bar hook on the left side and the right leg strap to the hanger bar hook on the right side. (See Figure 17)



Figure 17 - Hook leg strap to hanger bar

## Transferring patient from a seated position - continued

Note: There are several loops to choose which will adjust the recline angle when lifted. For a more upright posture, choose the longest straps. For a more reclined posture, choose the shortest straps. When lifting from a car, use the shortest straps possible. Always use the same length of strap on each side.

- 4) Hook the left torso strap to the hanger bar hook on the left side and the right torso strap to the hanger bar hook on the right side. (See Figure 18)



**Figure 18 - Hook torso straps to hanger bar hook**

- 5) Loosen the head support strap and attach it to the center post at the end of the boom. Tighten the head support strap to control recline angle. (See Figure 19)



**Figure 19 - Attach head support strap to center post on boom**

- 6) Use the hand control to carefully raise the lift and raise the patient from the seat. After the patient is clear of the seat, grasp the handles of the lift and move the patient to the desired transfer location. (See Figure 20)



**Figure 20 - Position patient directly over seating surface**

## Transferring patient from a supine position

### Step 1

#### Apply the sling

- 1) Log roll the patient on his/her side away from you.
- 2) Position the sling so the handles on the back of the sling are facing the mattress. Tuck half of sling underneath patient.
- 3) Using the handle as a guide, center the sling on the patient's spine with the base of the sling approximately two inches below the base of the tailbone. (See Figure 21)



**Figure 21 - Position sling appropriately**

- 4) Log roll patient towards you in and pull the rest of the sling out the other side.
- 5) Lay patient on their back. Make sure the sling is centered underneath the patient.

## Transferring patient from a supine position - continued

- 6) Lift the patient's knee and pull the thigh strap under the patient's thigh and wrap it around to the top of the leg. Choose a loop on the thigh strap that will provide the tightest fit around the leg and pull the leg strap through the loop on the thigh strap. Repeat process on opposite leg. (See Figure 22)



Figure 22 - Pull leg strap through loop on thigh strap

### Step 2

#### Position the lift

- 1) Position the lift so the tip of the boom is directly above the patient's torso. Use the hand control to lower the lift so the hanger bar is just above the patient's navel. Make sure all EZ Light Lift wheels are unlocked.
- 2) Hook the left leg strap to the hanger bar hook on the left side and the right leg strap to the hanger bar hook on the right side. Note: There are several loops to choose which will adjust the recline angle when lifted. For a more upright posture, choose the longest straps. For a more reclined posture, choose the shortest straps. Always use the same length of strap on each side.
- 3) Hook the left torso strap to the hanger bar hook on the left side and the right torso strap to the hanger bar hook on the right side.
- 4) Loosen the head support strap and attach it to the center post at the end of the boom. Tighten the head support strap to control recline angle.
- 5) Use the hand control to carefully raise the lift and raise the patient. After the patient is clear of the bed, grasp the handles of the lift and move the patient to the desired transfer location. (See Figure 23)



Figure 23 - Transferring the patient

## Transferring patient from floor

EZ Way strongly recommends two caregivers complete the transfer when picking a patient up from the floor. Follow same procedure used when lifting patient from a supine position (See page 7).

### Step 1

#### Position lift

If possible, lift and bend the patient's legs, pushing lift forward. Keep both legs together, laying the patient's legs over either side of the base of the EZ Light Lift. (See Figure 24)



Figure 24 - Lifting a patient from floor

## Transferring patient from floor - continued

### Step 2

#### Attach sling

Follow same procedure used when lifting patient from a supine position (See pages 8 & 9). You will, however, have to use the longest loops at the patient's torso and the legs as well as lengthen the head support strap.

### Step 3

#### Lift patient

Follow same procedure used when lifting patient from bed (See page 9).

Important: Before lifting, make sure the sling is not snagged on any objects or beneath the casters or legs of the lift. The sling should be free from obstruction.

### Step 4

Follow same procedure used when lowering patient to bed, chair or wheelchair.

### Step 5

Follow same procedure used for removing sling.

#### Transfer to sitting position

- 1) Position the patient over a chair or wheelchair. Make sure all lift wheels are unlocked. The wheelchair wheels should be locked. Lower the lift using the hand control. Grasp the sling handle as the patient is being lowered. Use the sling handle to position the patient properly in the seat. (See Figure 25)



Figure 25 - Positioning patient in chair

- 2) After the patient has been lowered, unhook all straps from the lift and move the lift away from the patient.
- 3) Remove the leg straps from the thigh straps. Lift knee and remove thigh strap from under leg. Repeat for other leg.
- 4) Lean patient forward a few inches and grasp the sling. Remove sling by pulling upward.

#### Transfer to supine position

- 1) Position patient over bed or gurney. Make sure all EZ Light Lift wheels are unlocked. Lower the patient using the hand control.
- 2) After the patient has been lowered, unhook all straps from the lift and move the lift away from the patient.
- 3) Remove the leg straps from the thigh straps. Lift knee and remove thigh strap from under leg. Repeat for other leg.
- 4) To remove the sling from under the patient, gently log roll the patient away from you, folding and tucking the sling under the patient. Log roll the patient toward you, allowing you to free the sling from beneath the patient. (See Figure 26)



Figure 26 - Remove sling

## Sling laundering instructions

EZ Way slings are designed and manufactured to the highest possible performance specifications. They are constructed of high quality, durable, 100% synthetic fabrics and have been individually inspected before shipping to ensure the safety of the product. However, water washing temperature, detergents and disinfectants, patient incontinence, frequency of use, types and weights of patients, etc., all have an impact on the life expectancy of each product. Because of these factors, the continued integrity of the product is not guaranteed. The user must therefore examine the product to ensure its integrity before each use.

EZ Way offers a 6-month warranty on slings and harnesses and recommends replacement after one year or if the sling or harness shows any sign of damage or wear. EZ Light slings must only be used to hold the amount of weight dictated by the EZ Light Lift capacity.

Users must accept full responsibility for checking the condition of all slings before each and every use on a patient.

## EZ Sling and Harness Laundering Instructions

To get the longest life out of your product:

- 1) Remove Plastic Head Support Stay prior to laundering.
- 2) Do not bleach.
- 3) To prevent stains from setting, rinse 5 minutes in 80° – 100° F. Stains will set when temperature is over 105° F.
- 4) Washing temp. 160° F. maximum.
- 5) RINSE THOROUGHLY in 100° F. If high alkaline detergent (with pH greater than 11.0) is used, rinse twice.
- 6) Tumble dry, temperature 100° F. maximum. High heat will weaken the fabric.
- 7) If available, use a laundry bag to wash and dry the harness.

## Charging the EZ Light Lift

The EZ Light Lift is equipped with an on-board charger. To charge the battery, plug the transformer/power cord into the control box. Plug the transformer into the wall. A yellow LED will light when charging is taking place. The lift will not operate while charging. Do not charge the lift in the patient care area. (See Figure 27)



Figure 27 - Charging the EZ Light Lift

## Emergency Lowering

In the event the lift will not lower using the hand control, locate the down switch on the face of the control box. Hold this button to activate the electric emergency down control. (See Figure 28)  
The patient must be positioned over a bed or chair.



**Figure 28 - Hold for electric emergency down**

If the unit still does not go down, there is a manual emergency down release on the actuator. To use this feature, make sure patient is over a bed or chair.

- 1) Pull up and hold the red emergency release handle. (See Figure 29)



**Figure 29 - Emergency release handle**

- 2) Patient will slowly lower (if movement does not happen, release handle and repeat). To stop movement, release handle.

## EZ Light Lift Maintenance

The EZ Light Lift requires a minimum of service to keep it in good working order. Nevertheless, it is important that certain basic checks be periodically done to ensure on-going safety throughout the life of the device.

The manufacturer suggests that the following components and operating points be scheduled for inspection at intervals not greater than one month. Any detected deficiency must be rectified before the lift is put back into service.

- 1) Check all bolts, nuts and pins to ensure they are tight.



LOCKING PINS



ALL WHEELS

- 2) Check for wear at all pivot points and hanger bar connection point.



HANGER BAR CONNECTION

- 3) Check boom to mast pivot bolt to assure nut is tight.



BOOM TO MAST

- 4) Check mounting bolts at top and bottom of actuator. Pay particular attention to top bolt hole for elongation



Check the actuator for the following:

1. Inspect the plastic housing for any dents or cracks
2. Inspect the cables to see if they have been pinched or cut
3. See if the actuator appears deflected when fully extended at full load
4. Verify that the mounting points do not have any cracks or other defects
5. Apply a heavy grease to the actuator mounting pins as needed
6. Verify that the inner and outer tubes do not have any dents, dings or large scratches in them



ELONGATED



TOP OF ACTUATOR



BOTTOM OF ACTUATOR

Contact EZ Way's Service Department at 1-800-627-8940 if the actuator shows any signs of the issues listed above.

- 6) At six month intervals, attach a load equivalent to the rated capacity of the lift to the unit. Raise and lower the load with the lift. Listen for any unusual noises while operating the unit. With the test load applied to the lift, check all structural welds for any signs of stress or fatigue cracks. If any unusual noises or cracks are found, stop using the lift and call the EZ Way Service Department immediately!
- 7) Test the Emergency Stop Switch. If the switch does not stop the lift when activated, call the EZ Way Service Department immediately!
- 8) Perform a functional test of the emergency lowering feature of the lift actuator if it is so equipped.
- 9) Perform a functional test of the anti-pinch feature of the lift actuator. This feature turns the actuator off when lowering the lift boom if an obstruction is encountered.
- 10) Check all the wheels and brakes to make sure they are functioning properly. Hair that gets picked up and wrapped in between wheels should be cleaned out so that the lift will roll easily.
- 11) Do a visual check for any damaged, missing or loose parts. Repair as necessary.
- 12) Check the entire sling for damage or wear, including the loops and stitching. If damage or wear is present, discard the sling and order a new one. It is recommended that slings be replaced after one year or if the sling shows any sign of damage or wear.
- 13) Cleaning the lift: To clean the body of the lift, use standard hospital-grade germicidal cleaning products.

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**\*\*IMPORTANT NOTICE\*\***

**It is the responsibility of the purchaser to ensure that regular maintenance inspection is conducted on this device by competent staff.**

# EZ Light Lift Competency Checklist

Purpose: To assist in the proper training of operating the EZ Light Lift.

Staff Name: \_\_\_\_\_ Date: \_\_\_\_\_ Observed by: \_\_\_\_\_

Yes No

## 1. EZ Light Lift Pre-Operation Check

- a) Demonstrate how and when to charge batteries.
- b) Locate emergency stop button and its purpose.
- c) Check to ensure sling is in good condition, with no excessive wear (loops, etc.). Identify what to look for that indicates wear.
- d) Demonstrate how to fold and unfold the unit.

## 2. EZ Light Lift Operation

- a) Do you lock the wheels? Why or why not?
- b) Demonstrate proper fitting of sling to the resident/patient.
- c) Demonstrate the different methods to raise/lower the resident/patient from a chair/wheelchair, vehicle and from the floor.
- d) Explain the different loops and their usage for positioning.
- e) Demonstrate proper attachment of sling to lift.
- f) What is the strap on the back of the sling for?
- g) Demonstrate the use of the emergency lowering features.

## 3. EZ Light Lift - Sling Removal

- a) Demonstrate proper removal of sling from resident/patient.

For any questions or concerns, please refer to the operator's instructions.

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ANSWERS: 1a) Charge batteries when low battery indicator on control box is illuminated. 1b) Stop button is located on control box. It is used to stop the lift in an emergency situation. 1c) Look for intact stitching and seams, look for fraying or ripped loops and/or material, inspect material for excessive wear by holding up to light. 1d) Lower boom fully, grasp boom and remove lower pin. Fold unit and re-insert locking pin. 2a) Never lock the wheels of the EZ Light Lift when lifting or transferring a patient. The unit will self adjust to the center of gravity, wheels need to be unlocked to allow for this adjustment. The locks on the front wheels do not lock the wheels from turning, they are used when on an uneven surface and should be unlocked when on flat surfaces. 2b) At a minimum, top of sling to top of "horseshoe" portion of sling should run from patient's neckline to at least 2-inches below the tailbone, respectively. 2c) Refer to operator's instructions. 2d) Leg loops: Shorter loops recline patient further; longer loops place body in upright sitting position. Torso loops: Longer loops recline patient; shorter loops recline patient further; longer loops place body in upright sitting position. 2e) Once sling is applied underneath a patient, thread leg strap through thigh strap and attach left strap to hanger bar hook on the left side of lift, repeat on right side. Attach left torso strap to hanger bar hook on left side of lift, repeat on right side. Attach head support strap to post on end of boom. Ensure all loops securely fastened to hooks before lifting. 2f) Strap is for guiding patient and rotating patient while suspended; Also helps with upright seated positioning when the strap is held stationary, just prior to seating patient. 2g) Press down button on control box to lower the lift. The manual down lever is located at base of actuator. Pull up and hold on handle to lower lift (lift must have weight on it to lower). 3a) If supine, log roll patient to one side folding half of sling and tuck under patient. Roll patient in other direction and remove entire sling from under patient. If seated, gently pull legs of sling from under patient's legs placing sling legs to side of patient. Grasp middle handle and gently pull upward, removing sling from behind patient.