



EZ Way, Inc.

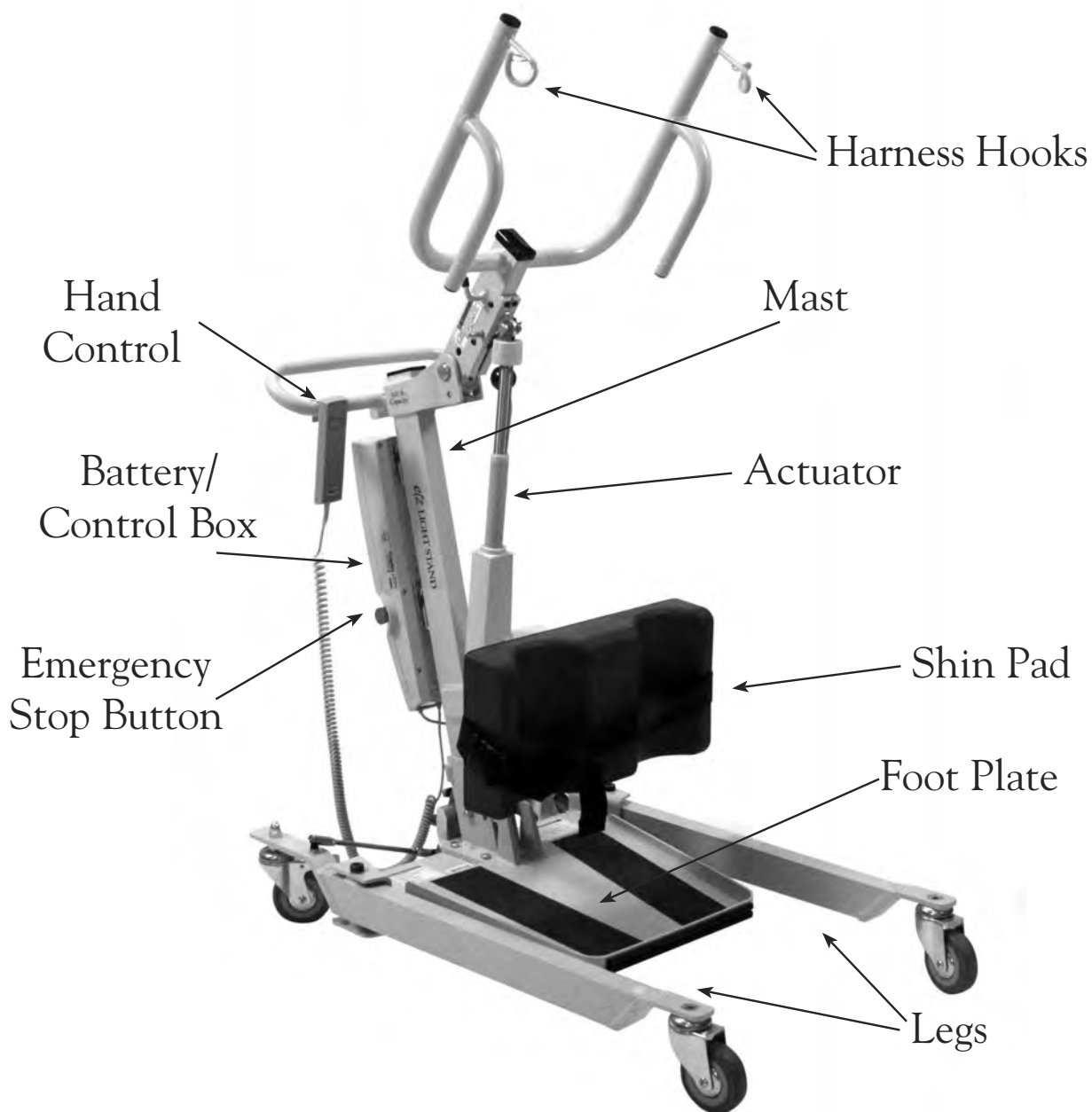
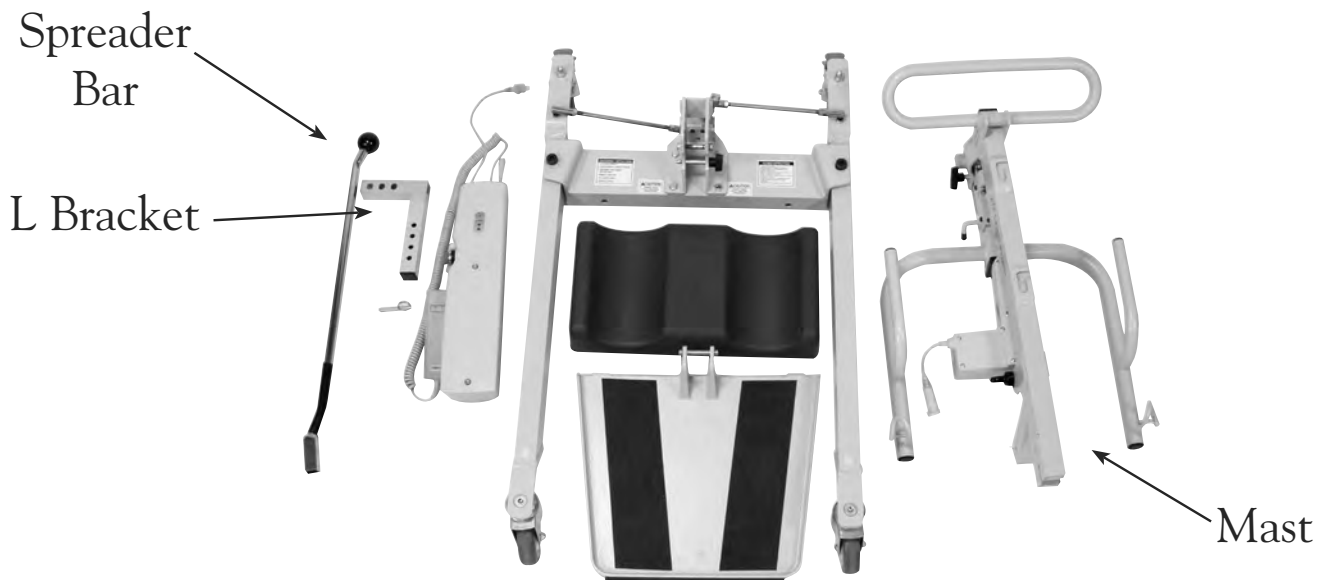
*“Your Total Patient Lift Solution”*

**EZ Way Light Stand**  
**300 lb. Capacity**  
**Operator's Instructions**



EZ Way, Inc.  
PO Box 89  
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1-800-627-8940  
[www.ezlifts.com](http://www.ezlifts.com)

Form 2-185  
Rev. 2/12/13



The EZ Way Light Stand was designed specifically for toileting and changing briefs of patients. The EZ Way Light Stand can also be used for transferring the patient from chair, wheelchair, toilet or bed, and can be used for ambulation. As patients do vary in size, shape, weight and temperament, these conditions must be taken into consideration when deciding if the EZ Way Light Stand is suitable for their needs. Patients should be able to bear some weight, have upper body strength and be able to follow simple commands. If a patient does not meet each of these three criteria, an EZ Way total body lift must be used.

The EZ Light Stand is lightweight, compact, and foldable 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 78 lbs.

For safe operation of the EZ Way Light Stand, operators should read through this manual, complete the competency checklist and practice on fellow staff members before use with patients.

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## Safety Notes

The maximum lifting capacity of each EZ Way Light Stand is located on both sides of the stand mast.

Do not modify the harness design in any way. Please make sure the accessories used with each stand are appropriate for both the patient and the transferring situation and call EZ Way at 1-800-627-8940 if you have any questions.

EZ Way designs harnesses specifically for use with the EZ Light Stand. For the safety of the patient, do not use any other type or brand of harness with the EZ Light Stand.

The only time you should lock the wheels of the EZ Way Light Stand when in use is when you are raising or lowering the patient during ambulation. Refer to the instructions for using the EZ Way Light Stand for ambulation on page 9.

The EZ Way Light Stand was designed to be operated safely by one caregiver. However, depending on the situation, facility policy, and the patient's condition, two caregivers may be necessary.

All EZ Way equipment must be maintained regularly by competent staff according to the maintenance checklist provided.

These instructions should be kept with the EZ Way Light Stand at all times. Instructions can also be downloaded from EZ Way's website, [www.ezlifts.com](http://www.ezlifts.com).

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## LIMITED WARRANTY: Smart Lifts and Stands

Frame = 5 Years

Components = 18 Months

Batteries = 6 Months

Slings/Harnesses = 6 Months

EZ Products are manufactured with the highest quality components. EZ Way Inc. warrants that all new equipment, with normal use and service, will be free from defects in material and workmanship for a period of (see above) from the date of purchase by the original purchaser. Normal wear and tear, injury by natural forces, user neglect and purposeful destruction are not covered by this warranty.

Warranty service must be performed by the manufacturer at 710 E. Main St., Clarinda, Iowa., or by an authorized repair center at their location. On occasion, EZ Way Inc. may authorize in-house repairs, but these repairs MUST be pre-approved to avoid invalidation of the warranty. Services covered under warranty include any labor that takes place at EZ Way Inc. Cost of Labor incurred while installing the warranty part at the place of ownership is not covered by this warranty. EZ Way Inc.'s obligation is limited to the replacement of parts that have been returned and are determined by EZ Way Inc. to be defective. THE PROVISIONS OF THIS WARRANTY CLAUSE ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON EZ WAY INC.'S PART AND IT NEITHER ASSUMES OR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR EZ WAY INC. ANY OTHER LIABILITIES IN CONNECTION WITH THE SALE OF SAID ARTICLE. IN NO EVENT SHALL EZ WAY INC. BE LIABLE FOR ANY SUBSEQUENTIAL OR SPECIAL DAMAGES. ANY MISUSE, IMPROPER INSTALLATION OR TAMPERING SHALL VOID THIS WARRANTY. Your warranty was registered automatically by EZ Way Inc. at time of purchase.

### **⚠ WARNING:**

Keep the area between the actuator (motor) and the lift mast clear of any objects.

### **⚠ WARNING:**

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

### **⚠ WARNING:**

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

## EZ Light Stand Assembly

1) Remove the EZ Light Stand from box and set on the floor. Lock rear casters. Hold handle on mast assembly and remove locking pin from base of mast assembly. Pivot mast/boom assembly upward and insert locking pin through base and mast assembly at the base of the unit. (See Figure 1) Pins must be fully inserted. Remove locking pin from top of stand arm assembly. Pivot arm upward. Slide actuator toward end of stand arms. The top of the actuator must be extended to the end of the sliding track. The locking pin must be fully inserted through hole behind the actuator to secure the unit. (See Figure 2)



Figure 1



Figure 2

2) Remove battery/controller from box. Line up mounting posts on controller with slots on mast. Slide the mounting posts into slots and push down. (See Figure 3)



Figure 3

3) Locate cord from actuator and plug it into the cord coming from the bottom of the controller. Make sure plug is fully seated in controller. (See Figure 4)



Figure 4

4) Assemble foot platform by aligning center pin on platform with slots at the base of the mast. Insert alignment pins into mating holes on each side of the base. (See Figure 5)



Figure 5

5) Insert L bracket into receptacle on mast and insert locking pin to secure L bracket. (See Figure 6) Assemble shin pad to L bracket by sliding shin pad onto L bracket. Pull and hold quick release pin while sliding shin pad over L bracket. Release quick release pin to engage pin. (See Figure 7)



Figure 6



Figure 7

## Folding the EZ Light Stand

The EZ Light Stand 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) Remove the foot platform by lifting up and out on front of platform. (See Figure 8) Remove the shin pad by removing the locking pin from shin pad bracket and sliding the shin pad away from machine. Re-insert pin into hole for storage. (See Figure 9)



Figure 8



Figure 9

- 2) Lower the stand arm to its lowest position using the hand control. (See Figure 10)



Figure 10

- 3) Remove pin near top of actuator. Hold stand arm and slide the top of the actuator toward the mast. Lower the lift arm against actuator and re-insert pin in locking hole next to arm pivot bolt. (See Figure 11)



Figure 11

- 4) Remove locking pin at the base of the mast. Hold handle on mast and pivot downward. (See Figure 12) Re-install pin through base and mast to lock in folded position. (See Figure 13) The mast assembly may also be removed by lifting it off of the base while the locking pin is removed.



Figure 12



Figure 13

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 Stand

## 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 14)



Figure 14 - 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 15)



Figure 15 - Raise and lower the lift

There is an additional down button on the control box. (See Figure 16)



Figure 16 - Down button on control box

## Harness selection

EZ Way harnesses are designed to be applied or removed with a minimum amount of handling of the patient. As patients do vary in size, shape, and weight, these conditions must be taken into consideration when deciding which EZ Way harness and accessories are suitable for each patient's needs. There are a variety of harnesses available in various sizes. Please contact EZ Way with any questions regarding harness dimensions and sizes, or view them at [www.ezlifts.com](http://www.ezlifts.com).

We have used the Medium Harness throughout the operator's instructions because it is the most commonly used harness (See FIG. 17). Wipeable, disposable and neoprene harnesses are also available.



Figure 17

## Transferring the patient:

### Attach harness

- 1) Position the harness around the upper body of the patient so the sides of the harness are between the patient's torso and arm, resting 2 – 3 inches below the underarm. (See Figure 18)



Figure 18

- 2) For the safety of the patient, securely fasten the safety strap around the patient's torso.
- 3) Secure the buckle and pull the strap to tighten.

### Position shin pad

The shin pad has several vertical adjustments for various patient heights and conditions and normally is left in the middle position. The shin pad can be adjusted horizontally toward the patient as well, and is normally used in the position closest to the mast of the EZ Way Light Stand.

NOTE: The adjustability of the shin pad allows for the greater patient comfort. However, for most patients the recommended settings are adequate.

To adjust the shin pad horizontally, remove the pin, slide the glide bar to desired location and insert the pin. To adjust vertically, follow the same instructions.

### Position EZ Way Light Stand in front of patient

- 1) Use the leg spreader bar (See Figure 19) to open the EZ Way Light Stand legs to get around a wheelchair, toilet or chair, if necessary.
- 2) Position the unit in front of the patient.
- 3) Have patient place feet (help patient if needed)

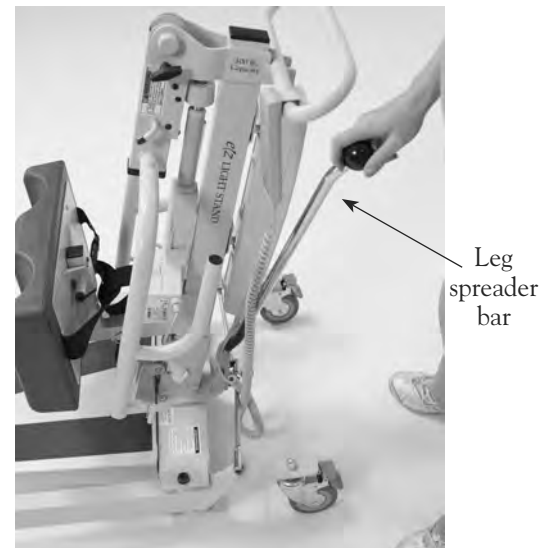


Figure 19

on foot plate and position their shins into the shin pad. The shin pad should be positioned

below the knees.

**Use of Shin Pad Strap:** If a caregiver deems it necessary to keep a patient's shins or feet on the foot plate, secure the shin strap around the patient's legs.

### **Attach harness to EZ Way Light Stand**

With the lift arm in lowest position, attach the harness to the hooks at the end of the EZ Way Light Stand arm using the loops at the end of the harness. Use the shortest loops when possible. To ensure patient safety and comfort, make sure to use the same color loop on each side. (See Figure 21)

### **Raise the patient**



**Figure 21**

- 1) Position patient's arms on the outside of the harness and have them place their hands on the handles.
- 2) With hand control in-hand stand beside the patient. Verify the loops are properly hooked inside the "pigtail" at the end of the EZ Way Light Stand arms and the Safety Catch is in place, blocking the strap from exiting through the pigtail. Press the UP button. As the patient is being raised, simultaneously tighten the safety strap buckled around their torso. Stop lifting when the patient is in a standing position. (See Figure 22).

### **Transfer the patient**



**Figure 22**

- 1) Move the patient away from the bed, chair, wheelchair, toilet or commode. Using the leg spreader bar, move the legs to the closed position.
- 2) With the patient in a standing position, transfer the patient to the desired location. Be aware of any obstacles that may inhibit the movement of the EZ Way Light Stand.

### **Lower the patient**

- 1) When lowering the patient onto a chair, toilet, wheelchair or bed, the caregiver should stand beside the patient.
- 2) Press the DOWN button on the hand control until the patient is fully lowered. (See Figure 23).



**Figure 23**

If needed, the caregiver can hold onto the center harness handle just before the patient is seated in order to help properly position the patient's backside into the back of a seat.



### Unhook harness

- 1) When the patient is securely seated, lower the stand arm until there is enough slack to unhook the harness loops from the arm. Unhook the loops.
- 2) Move the unit away from the patient.
- 3) Unfasten the buckle that is across the patient's torso. Remove the harness from behind the patient by grasping the center harness handle.

### Using the EZ Way Light Stand to ambulate a patient

**NOTE:** Patient **MUST ALWAYS** wear the harness when using the EZ Way Light Stand. It can be helpful to use the seat strap during ambulation.



- 1) Remove the foot plate.
- 2) Apply the harness (Refer to directions on page 7 **Transferring the patient; Attach the harness**) (Figure 18).
- 3) Position the EZ Way Light Stand in front of patient making sure shins are aligned with the shin pad. Lock rear wheels.
- 4) With the lift arm lowered, attach the harness to the hooks at the end of the EZ Way Light Stand arm using the loops at the end of the harness. Use the appropriate loop to ensure patient safety and comfort make sure to use the same color loop on each side.
- 5) With the wheels locked, raise the patient to a comfortable walking position.
- 6) Once the patient is steady and ready to begin walking, push the DOWN button briefly to allow for greater distance between the patient and the EZ Way Light Stand, giving the patient additional room for their gait. Unlock the rear wheels to allow the EZ Way Light Stand

to move with the patient. It is helpful to talk the patient through the procedure as the steps are being performed.

### Seating the patient after ambulation

- 1) If the patient weakens, lock the EZ Way Light Stand wheels and position a wheelchair or chair under the patient. Position the patient over the seating surface (i.e. chair, wheelchair, or bed) so they can be safely seated after lowering. (Lock the wheels of the wheelchair, chair or bed.)
- 2) Lower the patient onto the seating surface by pushing the DOWN button. It is helpful to stand next to the patient as they are being lowered. (See Figure 24)



Figure 24

- 3) Once seated, unhook the harness from the EZ Way Light Stand, unlock the wheels of the EZ Way Light Stand, and pull the unit away from the patient.
- 4) Unbuckle and remove the harness from the patient's torso.

## Additional accessories available include:

### Seat Strap

The Seat Strap is used for additional lower body support and can be used for transferring or ambulation. Before using the Seat Strap, first fit the harness to the patient, then attach the harness to the EZ Way Light Stand in the normal fashion. Extend the Seat Strap to its fullest length. Attach the loops at the end of the Seat Strap to the same hooks the harness is attached to, located at the top ends of the EZ Way Light Stand arms. Make sure the Seat Strap is loosely placed on the backside of the patient. NOTE: The Seat Strap is not a lifting accessory and should not be so taut as to lift the patient during the raising or lowering activity. Position the padded side of the Seat Strap so it faces the patient. Stand beside the patient, and using the hand control, press the UP button. Raise the patient slightly off the surface.



Slide the Seat Strap under the patient's buttocks. Press the UP button, and raise the patient to a standing position. Adjust the Seat Strap to the desired tension.

**IMPORTANT: NEVER USE THE SEAT STRAP WITHOUT THE HARNESS.**

## Harness laundering instructions

EZ Way harnesses 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. All slings and harnesses, except for single-patient disposable slings and harnesses, are washable and are capable of bearing a 1,000 lb. weight load, but must only be used to hold the amount of weight dictated by the lift or stand capacity.

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

### **EZ Sling and Harness Laundering Instructions**

To get the longest life out of your product:

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

**Note: Wipeable sling and harness cleaning instructions are packaged with each sling/harness or they are available via the EZ Way website [www.ezlifts.com](http://www.ezlifts.com).**

## Charging the EZ Light Stand

The EZ Light Stand 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 stand will not operate while charging. Do not charge the stand in the patient care area. (See Figure 25)



Figure 25 - Charging the EZ Light Stand

## 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.

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. Grab the collar at the top of the actuator and rotate clockwise. Continue rotating the collar until the patient has been safely lowered. (See Figure 26)



Figure 26 - Emergency Lowering Collar

# EZ Way Light Stand Safety & Maintenance Checklist

The EZ Way Light Stand requires a minimum of servicing to keep it in good working order. Nevertheless, it is important that certain basic checks be periodically made by maintenance staff 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 stand is put back into service.

1) Check all bolts, nuts and pins to ensure they are tight. Remove covers as necessary for inspection.



LOCKING PINS



ALL WHEELS



PIVOT



LINKAGE



SPREADER

2) Check arm to mast pivot bolt by removing plastic cap to assure nut is tight and cotter pin is in place. If plastic cap is missing order replacement.



ARM TO MAST

3) Foot platform assembly pins need to be checked to assure they have not pushed in and still engage into base.



PIN ON FOOT PLATFORM

4) Check bolts on back of shin pad.



5) Safety tabs need to be checked to make sure they are in place.



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



ELONGATED



TOP OF ACTUATOR



BOTTOM OF ACTUATOR



Check actuator for the following.

1. Inspect the plastic housing for any dents or cracks.
2. Inspect the cables to see if they have been cut or pinched.
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 actuator mounting pins as needed.
6. Verify that the inner or outer tubes do not have any dents, dings, or large scratches in them.

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

- 7) At six month intervals, attach a load equivalent to the rated capacity of the stand to the unit. Raise and lower the load with the stand. Listen for any unusual noises while operating the unit. With the test load applied to the stand, check all structural welds for any signs of stress or fatigue cracks. If any unusual noises or cracks are found, stop using the stand and call the EZ Way Service Department immediately!
- 8) Test the Emergency Stop Switch. If the switch does not stop the stand when activated, call the EZ Way Service Department immediately!
- 9) Perform a functional test of the emergency lowering feature of the stand actuator.
- 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 stand will roll easily.
- 11) Do a visual check for any damaged, missing or loose parts. Repair as necessary.
- 12) Check the entire harness for damage or wear, including the loops and stitching. If damage or wear is present, discard the harness and order a new one. It is recommended that harnesses be replaced after one year or if the harness shows any sign of damage or wear.
- 13) To clean the body of the stand, 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 Way Light Stand Competency Checklist

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

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

Yes No

## 1. EZ Way Light Stand Pre-Operation Check

- a) Demonstrate how to turn EZ Way Light Stand on/off.
- b) Demonstrate how and when to change batteries.
- c) What are the 3 different methods to lower the resident/patient?
- d) Locate emergency stop button and its purpose.
- e) Locate emergency lowering handle.
- f) Check to ensure harness is in good condition, no excessive wear (loops, etc.).
- g) Does resident/patient have to be able to bear some weight?

## 2. EZ Way Light Stand Operation

- a) When is the only time you lock the wheels on the EZ Way Light Stand?
- b) Properly demonstrate the adjustments of foot plate and shin pad.
- c) Demonstrate proper fitting of harness to the resident/patient.
- d) Demonstrate proper attachment of the harness to the EZ Way Light Stand.
- e) Do you keep constant tension on the seat belt of the harness during the raising of the resident/patient? Why?
- f) Explain why you would use the seat strap. Please demonstrate.
- g) If the EZ Way Light Stand is to be used as a walker, please demonstrate.

## 3. EZ Way Light Stand - Harness Removal

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

For any questions or concerns, please refer to the operator's instructions or the EZ Way Light Stand video.

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ANSWERS: 1a) Located on control panel. 1b) Change when. Remove battery by grasping and pulling up and over slots - insert charged battery. 1c) Using buttons on hand control, emergency down button on control box and manual emergency lowering collar on actuator. 1d) Red button located on side of control box - unit will not operate when button is in down position. 1e) Collar located at top of actuator shaft. 1f) Look for intact stitching & seams, ensure buckle is in working condition, look for fraying or ripped loops and/or material. 1g) Recommend at least 15% - 20% weight bearing. 2a) When footplate is removed. 2b) Footplate has 3 vertical adjustments / Shin pad adjusts vertically. 2c) Harness wings to be positioned 1" to 4" beneath underarms of patient / fasten buckle securely around waist. 2d) Secure one loop of each wing to the metal hooks at the end of the boom. 2e) Constant pressure should be applied as patient stands - midsection thins out when raising patient. 2f) Seat strap used for additional support. 2g) Remove footplate, attach harness with longest loop, raise/lower stand arms to allow for comfortable gait. 3a) Once patient is lowered to seated position, unfasten buckle, detach loops, remove harness from behind patient.