



EZ Way, Inc.

“Your Total Patient Lift Solution”

EZ Out 500 lb. Capacity

Operator's Instructions



EZ Way, Inc.
PO Box 89
Clarinda, IA 51632
1-800-627-8940
www.ezlifts.com

⚠WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Form 2-140
Rev. 3/4/19

The EZ Out was designed for the safe, effective transfer of patients in and out of a vehicle. Its special design allows caregivers to transfer patients from a variety of vehicle heights and configurations, is able to reach into the hard-to-reach areas where patients may be located within a vehicle, and provides a safe method of transferring for both caregivers and patients.

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

Safety Notes

Perfect for emergency rooms, the EZ Out was designed for transferring patients from vehicle to wheelchair or gurney, or any time you need to quickly and easily lift someone into or out of a vehicle.

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 conditions that could deem them inappropriate for transfer with a lift.

Important: Operators must be aware of the position of their feet when rolling the lift towards themselves to avoid contact with their feet. Do not place your feet on the rail of the EZ Out.

The EZ Out is not for use in transporting patients. Transfers in and out of a vehicle should only be performed on a level surface. Do not lock the wheels of the EZ Out when lifting a patient.

It is recommended that a minimum of two caregivers participate in transfers with the EZ Out. Operators should evaluate the lifting situation to determine if additional caregivers are needed. A minimum of one caregiver must be in control (grasping the handles) of the EZ Out at all times when the patient, with sling, is attached to the EZ Out.

EZ Way designs slings specifically for use with the EZ Out. For the safety of the patient, do not use any other type of sling when operating the EZ Out.

Store the EZ Out inside. Do not expose the unit to excess moisture.

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 Out at all times. Instructions can also be downloaded from EZ Way's website at www.ezlifts.com.

⚠ WARNING:

For safe operation of the EZ Out, the lift must be used by trained personnel in accordance with the operator's manual, video and training checklist to avoid injury to patient.

⚠ WARNING:

Do not push, pull, or use the actuator as a handle for moving the EZ Out lift. Do not cover the actuator. Inspect regularly as directed in the maintenance checklist.

⚠ WARNING:

Keep the area clear between the actuator and the mast.

Sling Information and Diagram

EZ Out slings are designed to be applied or removed with a minimum amount of handling of the patient.

Durable, easy-to-use sling designed for safe, efficient transfers. Apply along backside, straps wrap around waist and legs, attaches to boom. Only 2 connection points. To order slings call 1-800-627-8940.

A – Shoulder Straps

B – Ring

C – Center Waist Belt

D – Post

E – Leg Strap

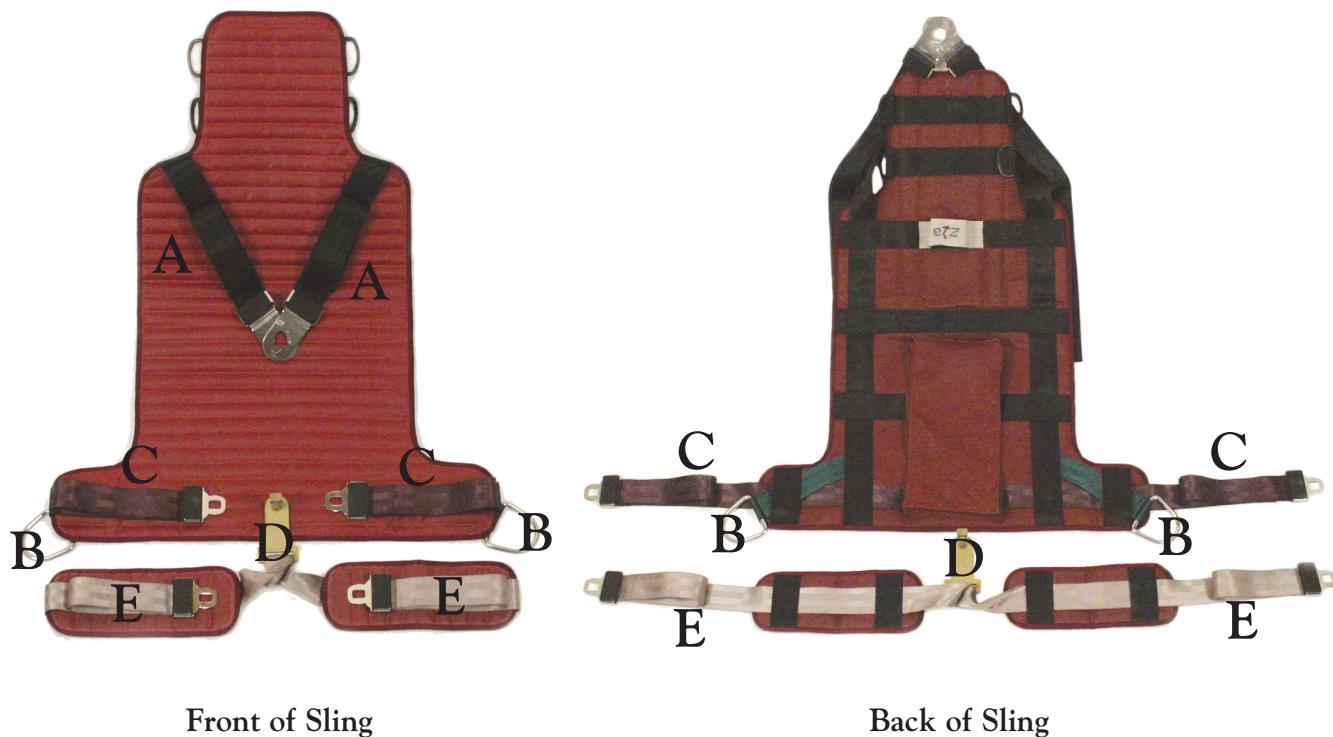


Figure 1

LIMITED WARRANTY: EZ Out

Frame = 5 Years

Components = 12 Months

Batteries = 3 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.

To operate the EZ Out, follow the steps below:

Pre-operation check

Before operating the unit, complete a maintenance safety check for loose nuts and bolts and damaged parts. Also, ensure that the sling is not ripped, frayed or showing signs of wear. EZ Way recommends all slings be replaced after one year, or at the first sign of wear. If the unit fails to operate, contact your maintenance person. If necessary, the maintenance person can call our service department at 1-800-627-8940. **NOTE: It is helpful for the maintenance person to be near the unit when making the service call.**

Battery

The battery pack and the battery receiver are located on the back of the mast of the lift. Make sure a charged battery pack is placed in the battery receiver on the mast of the lift. If your battery needs to be recharged, swap battery out by grasping the handle and pulling up and away from the lift, then replace with charged battery. To check the battery status, initiate motor movement by pressing the Up or Down buttons on the hand control. (See FIG. 2)

An unlit light on the EZ Out battery readout unit indicates the battery is charged; the yellow light indicates low battery level and the battery should be charged, and if a beep is heard, battery capacity is less than 20%, there is sufficient power for a full double stroke of the actuator, and the battery must be charged.

You receive TWO battery packs with your unit and one remote charging unit. **NOTE: When switching battery packs, always remember to place the discharged battery pack into the remote charging unit so it will be fully charged and ready for use.**

Adjust the emergency stop button

The RED EMERGENCY STOP BUTTON must be in the out position. The unit will not operate if the button is engaged. If the button is engaged, turn the button in the direction of the arrow on the button to release it. The button is located on the back of the mast, below the battery pack. (See FIG. 3)

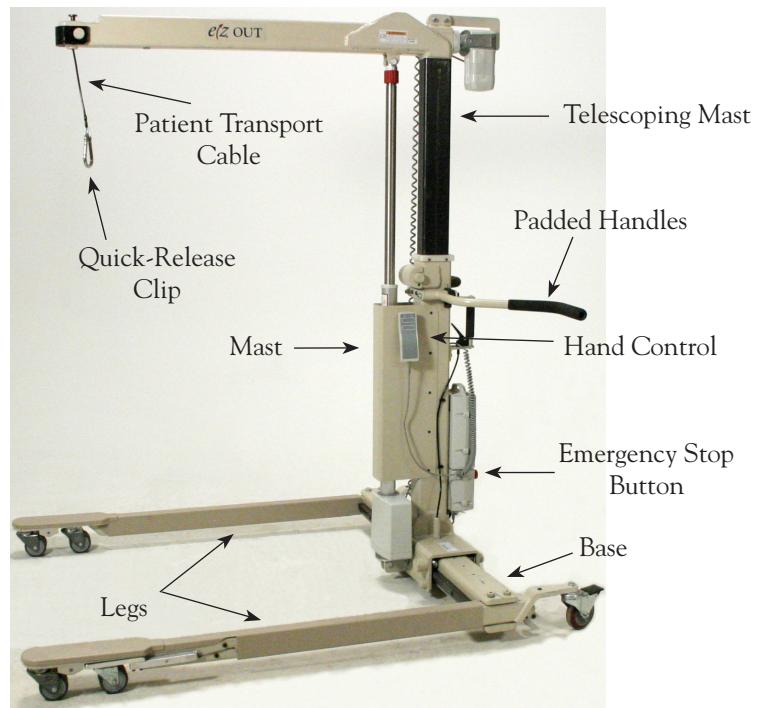


Figure 2

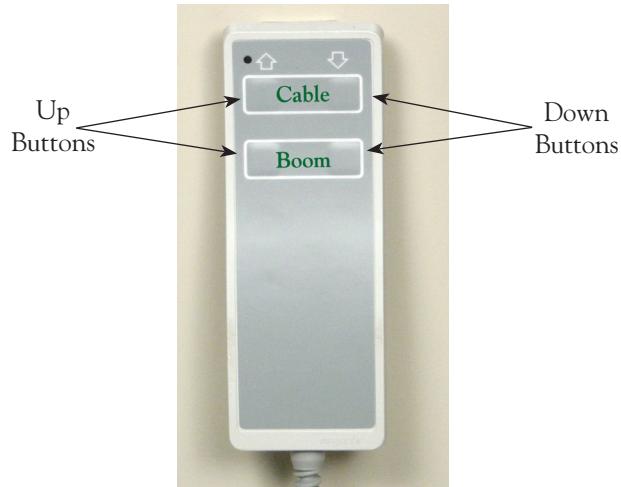


Figure 3



Figure 4

Removing patient from vehicle

Attach sling - seated position

1) It is often helpful for a caregiver to be positioned on both the passenger and driver's sides of the vehicle to assist in positioning the sling and to aid in transfer. Prior to applying the sling, loosen all straps as needed to accommodate the girth of the patient. If the patient is in a backseat, slide front seats to their forward-most positions in order to provide additional work space.

NOTE: It is helpful to recline the patient's seat, if possible, prior to lifting. Also, the shoulder straps should be slightly slack so that the patient will be in a more reclined position when exiting the vehicle. This will allow the patient's head to more easily clear the door frame of the vehicle.

2) Lean the patient forward and position the padded sling behind the patient with the "pocket side" facing the seat and the padded portion facing the patient. Position the sling so the center waist belt (C - Sling Diagram, Figure 1) is aligned with the patient's hips, or is as close to the hip region as possible (Figure 5).



Figure 5 - Align waist belt with patient's hips

3) Position center post of leg harness below the navel of the patient. Slide both buckles located on the waist belt straps (C) over the post (D). Tighten the straps to a snug fit. The post (D) should be positioned below the patient's navel.

4) To affix the leg straps (E), lift the patient's leg and pull the leg strap (E) affixed to the center post under their leg, wrap the strap around the outside of the upper-most part of the thigh, thread each strap through the respective ring (B) at the side of the padded sling, and slide the buckle over the post (D). Repeat with the other leg strap. Be sure the leg straps are secured in the upper thigh area and not in the knee area, and there is not any slack in the straps secured around the patient's legs.

5) Drape the shoulder straps (A) over the patient's shoulders.

Attach sling - lying down

1) It is often helpful for a caregiver to be positioned on both the passenger and driver's sides of the vehicle to assist in positioning of the sling and aid in transfer. Prior to applying the sling, loosen all straps as needed to accommodate the girth of the patient. If the patient is in a backseat, slide front seats to their forward-most positions in order to provide additional work space.

2) Lean the patient on his/her side if possible to position the sling behind the patient's back with the "pocket side" facing the seat and the padded portion facing the patient. Pull one waist strap (C) under the patient so the sling is under or behind the patient with a waist strap (C) on each side. Position the sling so the center waist belts are aligned with the patient's hips.

3) Position the center post of leg harness below the navel of the patient. Slide both buckles located on the waist belt straps (C) over the post (D). Tighten the straps to a snug fit. The post (D) should be positioned below the navel.

4) To affix the leg straps (E), lift the patient's leg and pull the leg strap (E) affixed to the center post (D) under their leg, wrap the strap around the outside of the upper-most part of the thigh, thread the buckle through the ring (B) located on the respective side of the padded sling, and slide the buckle over the post (D). Repeat with the other leg strap. Be sure the leg straps are secured in the upper thigh area and not in the knee area.

5) Drape the shoulder straps (A) over the patient's shoulders (Figure 6).



Figure 6 - Drape shoulder straps over patient's shoulders

NOTE: If you are having difficulty positioning the sling under the patient, position the leg harness on the patient as described above, hook the clip on the end of the cable to the leg harness post (D), and raise the cable a few inches to elevate the body. This will allow you to slide the sling under the patient more easily. Once the sling is properly positioned under the patient, lower the patient to the vehicle seat, unclip the cable, slide the waist buckles over the post, and proceed as directed.

Position lift

NOTE: EZ Out must be positioned carefully so as not to damage vehicle and carefully maneuvered to avoid direct contact with the patient.

- 1) Adjust the boom height to accommodate the height of the vehicle using the Up and Down arrow buttons on the hand control. It is beneficial to position the boom in the lowest position possible prior to lifting the patient (Figure 7).



Figure 7 - Lower boom to lowest possible position

- 2) Adjust the position of the mast on the lift track from side to side to accommodate differing wheel well configurations and car door clearances by squeezing the locking pin handle located on the mast directly in front of you as you are standing behind the lift (Figure 8). The mast can be adjusted 12" either direction from the center of the lift. Simply squeeze the handle, slide the lift on the trolley either direction, and make sure the locking pin locks into place in the holes located on the base (Figure 8).

NOTE: It is best to keep the position of the mast on the base in a stationary position when a patient is in the lift. However, certain configurations and situations may dictate the slight adjustment of the mast on the base from side-to-side in order to better align patient for extraction through the vehicle



Figure 8 - Squeeze handle to slide lift trolley

door frame. In the event of the need to adjust the position of the mast, two caregivers should be utilized when a patient is attached.

NOTE: When adjusting the position of the mast on the base while a patient is in the lift, a patient must be positioned over a supporting surface, such as a car seat.

- 3) Adjust the lift handles from the up to the down position. Lift the handle slightly with one hand, and push/pull up on bottom of the locking clip located next to the mast. This will allow the handle to lower. Do not insert your fingers in the locking clip opening. To raise the lift handles, lift the handle, and the locking clip will lower and secure the position of the handle (Figure 9).



Figure 9 - Adjust handles to the down position

Attach sling to lift

- 1) Position the boom inside the vehicle so the end of the boom is positioned over the sling post attachment point (D).
- 2) Lower the boom as far as possible.
- 3) Hook the metal clips of the shoulder straps (A) onto the end of the boom, and tighten straps as necessary.
- 4) Lower lift cable, using the Up and Down arrow

- buttons to lower or raise the cable, so it is low enough to clip to the center post (D) of the sling.
- 5) Clip the cable to the hole in the center of the post (D). The end of the lift boom should be positioned over the patient's waist area.
 - 6) Hook the metal shoulder clips onto the end of the boom (Figure 10), and tighten shoulder straps (A) as necessary. Make sure the waist and leg buckles have been inserted over the post (D), the cable clip is securely fastened to the center post (D), and the shoulder strap clips are secure around the boom end notch. Do not allow the patient to hold onto the cable or shoulder.



Figure 10 - Hook shoulder clips to the end of the boom

Raise patient

- 1) Using the Up arrow button on the hand control for either the cable or mast of the lift, depending on the distance available between the top of the boom and the car frame, raise the patient high enough so they can be extracted from the vehicle (Figure 11).



Figure 11 - Raise the patient

From seated position: Raise patient to the point where the hips and thigh regions are no longer in contact with the car seat. (If patient is located

in a front seat, it may be helpful to recline the seat once all straps, including shoulder straps, are attached to EZ Out.) Carefully rotate patient until their body is parallel with the EZ Out (Figure 12).

From supine position: Raise patient to the point where the hips, shoulders and torso are no longer in contact with the car seat. If needed, rotate the patient until their body is parallel with the EZ Out (Figure 12).



Figure 12 - Correct



Figure 13 - Incorrect

- 2) When raising the lift boom, be sure the boom does not come in contact with the car frame or interior ceiling. Prior to extracting the patient from the vehicle, pay close attention to the height of the patient's head and verify that their head is low enough to clear the height of the door frame when extracting.
- 3) Adjust the patient's legs so they are clear from obstructions when wheeling the lift away from the vehicle.

Transfer patient to wheelchair/stretcher

- 1) Be aware of any cracks, obstructions, or uneven surfaces when maneuvering the lift. Wheel the

- lift backwards, away from the vehicle.
 Immediately position a stretcher or wheelchair under the patient.
 2) Use the hand control to lower the patient onto the stretcher or wheelchair by lowering the boom and/or cable.
 3) Unclip the clip from the center post (D), remove the shoulder strap clips (A) from the boom notch, and slide the buckles off the center post (D) of the sling.

Transferring patient into vehicle:

- 1) Wheel the patient in a wheelchair or stretcher next to the vehicle.
- 2) Follow the previous instructions (*removing patient from vehicle*) for attaching the sling.
- 3) Raise the patient following the previous instructions and adjust their position accordingly by raising or lowering the cable or boom so that they are at the proper height and position to be transferred into the vehicle (Figure 14).



Figure 14 - Raise the patient

NOTE: Again, it is recommended that a caregiver be positioned both on the passenger and driver's sides to comfortably and safely complete the transfer.

- 4) Lower the patient so that they are seated or are lying down in the vehicle, as appropriate.
 Remove the sling.

EZ Out Cover



Figure 15 - EZ Out Cover #500250

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 institution or private user must therefore examine the product to ensure its integrity before each use.

NOTE: EZ Way strongly recommends using a laundry bag when washing the EZ Out sling.

EZ Way offers a 6-month warranty on slings and recommends replacement after one year or if the sling shows any sign of damage or wear, whichever occurs first. All slings 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 Out Sling Laundering Instructions

- 1) Do not bleach.
- 2) To prevent stains from setting, rinse 5 min. in 80° – 100° F. water. Stains will set when temp. is over 105° F.
- 3) Washing temp. 160° F. max.
- 4) RINSE THOROUGHLY in 100° F. water. If high alkaline detergent (with pH greater than 11.0) is used, rinse twice.
- 5) Tumble dry, temp. 140°-180° F. max.
- 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 sling.

Usage and Charging of the EZ Out Battery

The EZ Out comes with two batteries and a charging unit (Figure 16). Average charge time of a low battery is approximately nine hours.



Figure 16 - Charging Unit

To check the battery status, initiate any motor movement by pushing an Up or Down arrow button on the hand control, and note the color of LED indicator located next to the Emergency Stop button.

LED is unlit: Battery is ready for operation.

LED flashes yellow: Battery is charged to around 20% and must be charged.

A beep is heard: Battery capacity is less than 20%, but there is sufficient capacity for at least a double stroke of the actuator. Battery must be charged immediately.

To charge the battery, first plug in the EZ Out charging unit. Insert the battery into the charger. Note the color of the LED indicator on the charging unit. To remove a battery from the EZ Out, grasp the handle located at the top of the battery and pull up and away from the lift (Figure 17).



Figure 17 - Removing the battery

LED is unlit: Battery charger is not properly connected.

LED is yellow: Battery is being charged.

LED is green: Battery is fully charged.

NOTE: Batteries must be charged in well-ventilated rooms. Do not charge the batteries in damp environments.

Safety Features

An Emergency Stop button is located on the battery receiver (Figure 18). Depress this button to stop the movement of the boom and/or cable.



Figure 18 - Emergency stop



Figure 19 - Emergency lowering

The actuator is affixed with an Emergency Lowering feature that can be used to lower a patient if the actuator ceases to operate. To use the Emergency Lowering feature, position the patient over a wheelchair or stretcher, locate the red collar at the top of the actuator (Figure 19) and twist the collar clockwise to lower the patient. Call EZ Way's Service Department at 1-800-627-8940, immediately for servicing of the lift.

EZ Out Safety & Maintenance Checklist

The EZ Out 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 year. Any detected deficiency must be rectified before the lift is put back into service.

- 1) Check all bolts to ensure they are tight.



LEGS



WHEELS



- 2) At six month intervals, attach a load equivalent to the rated capacity of the lift to the cable. 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!

- 3) Test the Emergency Stop Switch. If the switch does not stop the lift when activated, call the EZ Way Service Department immediately!



- 4) Perform a functional test of the emergency lowering feature of the lift actuator.



- 5) 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.



- 6) Do a visual check for any damaged, missing or loose parts. Repair as necessary.

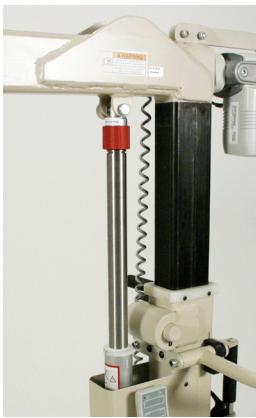
- 7) Check the entire sling for damage or wear, including the loops and stitching. If damage or wear is present, discard the sling and order a new one. It is recommended that slings be replaced after one year or if the sling shows any sign of damage or wear.

8) To clean, dampen a cloth with cleaning solution and wipe down the unit.



9) Inspect the lift cable and clip for any signs of wear.

10) Perform a visual inspection of the lifting cable. If damage or wear of the cable coating or fraying of the cable is present, contact EZ Way to replace the cable. Remove the cover on the end of the boom to inspect the cable end where it is attached to the actuator. Perform a visual check to verify that the crimped sleeves are holding the cable ends.



Mast Actuator Inspection:

- 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) Verify that the inner or outer tubes do not have any dents, dings, or large scratches in them.

Contact EZ Way's Service Department if the actuator shows any signs of the issues listed above.

****IMPORTANT NOTICE****

The SKF Magnetic Actuator used on this unit should be replaced after 10 years or 20,000 double strokes (up and down) per the original manufacturer.

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

EZ Out Competency Checklist

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

Staff Name: _____ Date: _____ Observed by: _____

Yes No

1. EZ Out Pre-Operation Check

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | a) Examine the surrounding surface for any obstructions, cracks, or uneven surfaces. |
| <input type="checkbox"/> | <input type="checkbox"/> | b) Demonstrate how and when to change batteries. |
| <input type="checkbox"/> | <input type="checkbox"/> | c) What are the 2 different methods to raise/lower the resident/patient? |
| <input type="checkbox"/> | <input type="checkbox"/> | d) Locate emergency stop button and its purpose. |
| <input type="checkbox"/> | <input type="checkbox"/> | e) Locate emergency lowering device and demonstrate use. |
| <input type="checkbox"/> | <input type="checkbox"/> | f) Examine sling for any sign of wear/tear. |

2. EZ Out Operation

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | a) Do you lock the wheels? Why or why not? |
| <input type="checkbox"/> | <input type="checkbox"/> | b) Demonstrate proper fitting of sling to resident/patient. |
| <input type="checkbox"/> | <input type="checkbox"/> | c) Demonstrate how to move the mast side-to-side. |
| <input type="checkbox"/> | <input type="checkbox"/> | d) Demonstrate how to rotate patient prior to extracting them from the vehicle. |
| <input type="checkbox"/> | <input type="checkbox"/> | e) Demonstrate proper attachment of sling to lift. |
| <input type="checkbox"/> | <input type="checkbox"/> | f) What is the handle on the back of the sling used for? |
| <input type="checkbox"/> | <input type="checkbox"/> | g) Demonstrate how to maneuver the gurney or wheelchair and lower the patient. |

3. EZ Out - Sling Removal

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | a) Demonstrate proper removal of sling from resident/patient. |
|--------------------------|--------------------------|---|

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

ANSWERS: 1a) Such conditions can impede the safe transfer of patients. 1b) Change when the light indicator on the battery housing is yellow or red. Remove battery by grasping handle and pulling up. 1c) Using buttons on hand control, operators can raise and lower both the cable and the boom. 1d) Red tab located at the top of actuator shaft. 1e) Look for intact stitching & seams, look for fraying or ripped loops and/or material, inspect material for excessive wear. 1f) Never look the wheels on battery housing. 1g) Look for intact stitching a patient. Red portion located on battery housing. 1h) Look for intact stitching & seams, look for fraying or ripped center of gravity, wheels need to be unlocked to allow for this adjustment. Wheels may be locked when patient is not in the lift, and helpful to be locked when adjusting the mast position on the rail. 1b) Leg straps should be tightened just below the knee area and must not be located near the knee area. Waist belts must be tightened snugly and positioned at the waist. Shoulders should rest below the sling boarder located near the shoulders, and head should rest on the head rest area. 2c) Operator should squeeze pin locking handle, raising the pin, and move the mast side-to-side to the desired location. 2d) Caregiver should adjust the patient's legs so that they are clear from any obstructions when moving the lift away from the vehicle. Once sling is applied behind or underneath a patient, depending on if they are laying down or are seated, position the leg strap post below the navel, and slide the buckles on the waist straps over the waist. Tighten the waist straps to a very snug fit. Lift the patient's legs one at a time, and pull each strap as necessary, and hook the two joined clips over the upper thigh area. Do not position the straps near the knee area. Tighten the leg straps to a very snug fit. Adjust the boom under the patient's legs in the upper thigh area. Do not position the straps near the knee area. Lift the patient's legs one at a time, and pull each strap as necessary. 2f) Handle is for guiding the patient and rotating patient while sling suspended. Also helps with stability fastened to the two joined clips before lifting. 2g) Handle is held stationary, just prior to setting patient. 3a) Lower the lift cable so that there is slack to attach the cable. Unclip the shoulder straps from the lift boom end. Unhook the waist buckles from the leg strap post. If up, lay roll patient to one side folding up half of sling from behind patient.