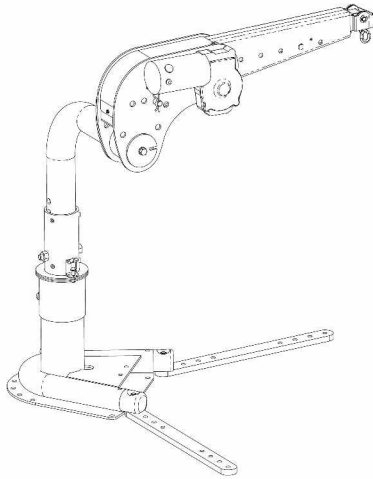
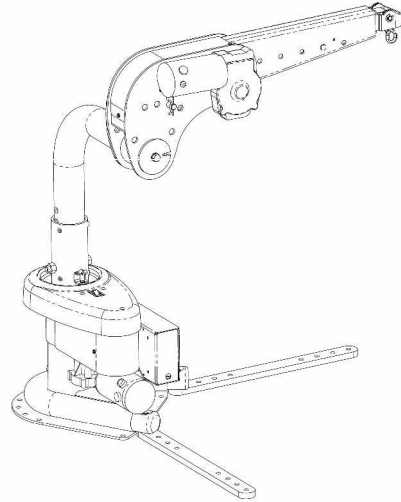


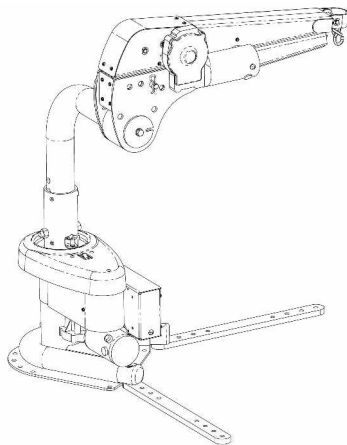
EQUALIZER
USER'S MANUAL



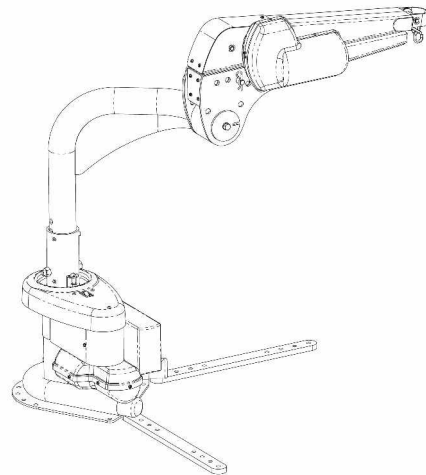
EQUALIZER 1



EQUALIZER 2



EQUALIZER 3



TAILGATER

These instructions are provided to assist you in using the Equalizer 1, 2, 3, and Tailgater. Instructions apply to both Power Chairs and Scooters. Refer to the installation manual for detailed installation procedures. If you require further assistance, our trained staff is ready to provide you with quick, efficient service. Call our toll-free number:

1-800-755-2856

Monday thru Friday, 8:00 AM – 6:00 PM (Except holidays) E.S.T

Before calling please have your customer number or order numbers and serial numbers available.

TABLE OF CONTENTS

SAFETY FIRST.....2
 POWERING THE LIFT4
 POWERING WITH THE “MOBILE POWER PACK
 POWERING WITH THE TRANSPORTING VEHICLE’S ELECTRICAL SYSTEM
 USING THE LIFT5
 LOADING PROCEDURE
 UNLOADING PROCEDURE
 ARM STORAGE
 MANUAL ROTATION
 MAINTAINING THE LIFT6
 TROUBLESHOOTING CHART.....7

FOR YOUR RECORDS

NAME OF INSTALLER _____ SALESPERSON _____
 ADDRESS _____ TELEPHONE _____
 PURCHASE DATE _____ LIFT SERIAL # _____
 CUSTOMER # _____ ORDER # _____

SAFETY FIRST

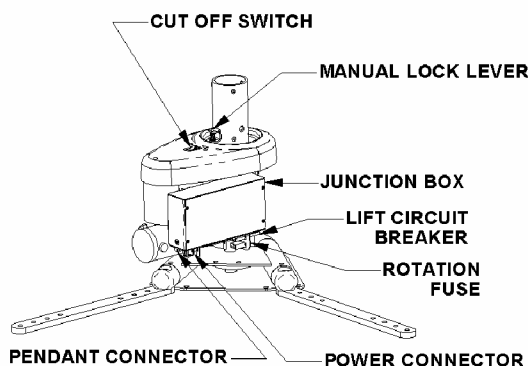


FIG 1. POWERED BASE
(Equalizer 2,3 & Tailgater)

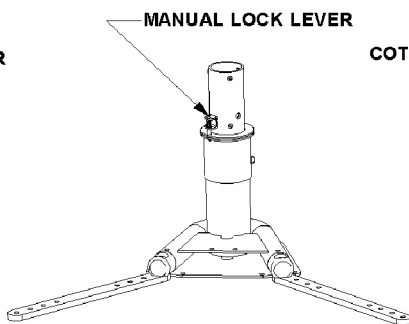


FIG 2. MANUAL BASE
(Equalizer 1)

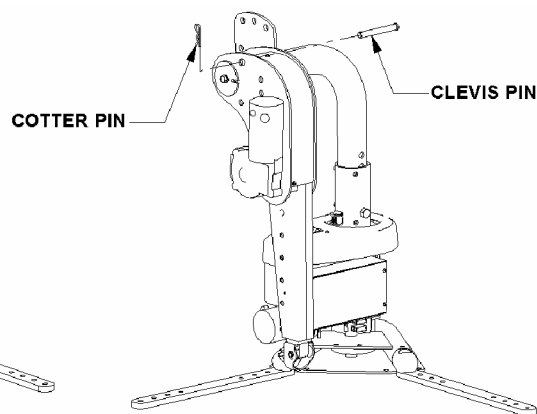


FIG. 3 ARM STORAGE

1. The Power Chair must have the brake engaged during transport.

WARNING: FAILURE TO ENGAGE THE BRAKE DURING TRANSPORT COULD RESULT IN SERIOUS PERSONAL INJURY OR DAMAGE TO THE LIFT, THE POWER CHAIR, AND VEHICLES.

2. After the Power Chair has been lifted into the vehicle, turn the lift control cut-off switch off. This will prevent inadvertent operation of the lift by remote control and/or hand held pendant. The switch is located on top of the base. Remember, for the control cut-off switch – **“RED IS ON.”**

WARNING: ALWAYS PUSH THE POWER CUT-OFF SWITCH TO THE OFF POSITION WHEN NOT OPERATING THE LIFT.

3. The lift is equipped with a 30 AMP self-resetting circuit breaker on the wire harness. The circuit breaker is located in the vehicle near the battery end of the power wire harness. The circuit breaker protects the lift against excessive current draw and is self-resetting. If the circuit breaker continues to trip, have the unit inspected by the installer or by an authorized service center to troubleshoot and correct the problem.

WARNING: DO NOT ATTEMPT TO BYPASS THE CIRCUIT BREAKER AS THIS MAY CAUSE SERIOUS DAMAGE TO THE LIFT AND/OR CAUSE A FIRE.

4. The lift has a maximum weight lifting limit of 250 or 400 pounds depending on the model. These values apply only if the transporting vehicle and lift are level. Grades more than 5% (4.5 degrees) will reduce the safe lifting capability. If you have any questions on the weight of your scooter or power chair, please contact your lift installer or scooter manufacturer. If you have any questions on weight lifting limits, please contact the installer, authorized service center, or Freedom Lift.

WARNING: DO NOT EXCEED THE MAXIMUM CAPACITY OF LIFT OR DAMAGE TO THE LIFT AND/OR SERIOUS INJURIES MAY OCCUR.

5. The manual lock lever must be engaged or the arm prevented from rotating during transport.

WARNING: FAILURE TO ENGAGE THE MANUAL LOCK LEVER OR PREVENTING THE ARM FROM ROTATING DURING TRANSPORT COULD RESULT IN SERIOUS PERSONAL INJURY OR DAMAGE TO THE LIFT, THE POWER CHAIR, AND VEHICLES.

6. The lift has been designed to lift power chairs and scooters. It has not been designed or intended to lift any other object. Lifting people or objects other than power chairs or scooters may be dangerous.
7. Keep the area underneath of the lift clear at all times (i.e. objects, pets, people, etc.).
8. Avoid twisting and abrading the lifting strap. Inspect the strap periodically and replace if the strap shows any signs of wear.

POWERING THE LIFT

There are two methods for powering the lift:

- Using the “Mobile Power” Battery Pack or
- Hard Wiring the lift to the vehicle’s battery

Note: The lift may be hard wired to the vehicle’s battery, and use a “Mobile Power” battery pack for back-up power.

POWERING WITH THE “MOBILE POWER” BATTERY PACK

Plug the cable from the battery pack into the 12 V DC connector on the bottom of the lift base. Use only Freedom Lift approved charging accessories for charging your “Mobile Power” Battery Pack. Charging accessories for the Battery Pack:

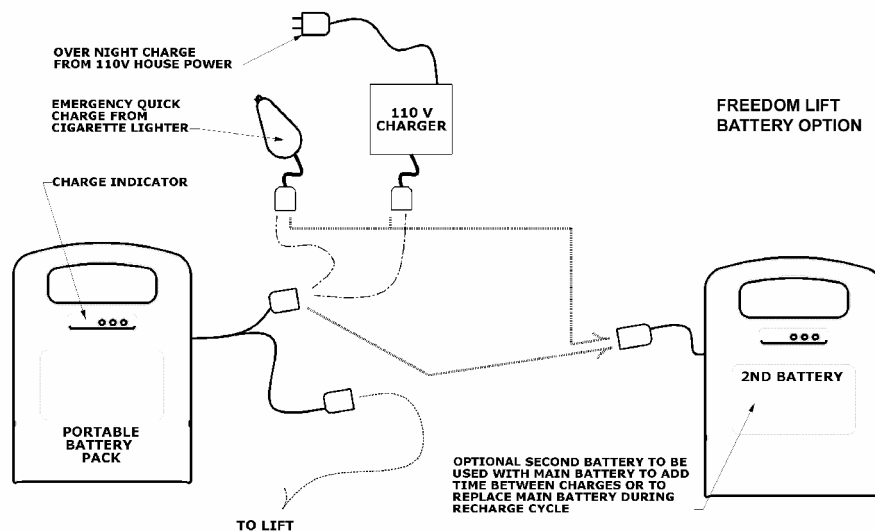


Figure 1. Battery Charging

Charge the Battery Pack for 24 hours prior to initial use. Charge the battery until the LED is green. You may leave the battery switched on during charging so that you can monitor the LED color.

POWERING WITH THE TRANSPORTING VEHICLE’S ELECTRICAL SYSTEM

If your lift has been hard wired directly to the transporting vehicle’s electrical system, a 30 A self-resetting circuit breaker is located near the transporting vehicle’s battery normally located in the engine compartment. The circuit breaker protects the lift against excessive current draw. The circuit breaker is self-resetting. If the circuit breaker continues to trip, have the unit inspected by the installer or by an authorized service center to troubleshoot and correct the problem.

WARNING: DO NOT ATTEMPT TO BYPASS THE CIRCUIT BREAKER AS THIS MAY CAUSE SERIOUS DAMAGE TO THE LIFT AND/OR CAUSE A FIRE.

USING THE LIFT

A lifting bracket for your specific Power Chair must be attached to your Power Chair by the installer. Reference the specific instructions supplied with the lifting brackets for additional information.

LOADING PROCEDURE

1. Make sure that all objects are removed from the landing area inside and outside the transporting vehicle.
2. Switch the cut-off switch located on the top of the base to the “ON” position. If your lift is powered by the “MOBILE POWER” battery pack, move the power switch located on the battery pack to “ON”.
3. Position your Power Chair next to the transporting vehicle. The Power Chair can be picked up directly behind or next to your vehicle. See the installer to determine the best lifting location for your situation.
4. Using the hand-held pendant or cordless remote, push and hold the “OUT” button until the lifting strap is directly above the lifting bracket on your Power Chair/Scooter. If you have an Equalizer 3, push the “EXTEND” button to position the lifting strap further out from the transporting vehicle if required.
5. Attached the lifting bar to your Power Chair. See your installer for specific lifting hardware required for your Power Chair.
6. Lower the lifting strap by pushing the “DOWN” button until the lifting strap’s hook can be attached to the lifting bar.
7. Push the “UP” button to raise the Power Chair taking care to lift it directly up.

WARNING: IF THE POWER CHAIR IS NOT POSITIONED CORRECTLY, IT COULD SWING AND CAUSE DAMAGE TO YOUR VEHICLE OR PERSONAL INJURY. IF NECESSARY, REPOSITION THE POWER CHAIR BEFORE CONTINUING.

8. Continue lifting the Power Chair until it is high enough to clear the threshold of the transporting vehicle. Let go of the “UP” button to stop lifting.
9. If you have an Equalizer 3, push the “RETRACT” button until arm is sufficiently retracted.
10. Making sure that the path is clear and that the Power Chair will clear the threshold, push the “IN” button to rotate the lift’s arm into the transporting vehicle. If the lift encounters sufficient resistance, a fuse, located on the lift base, will blow and stop the rotation. If this occurs, replace the fuse with a new 10 A fuse, eliminate the obstruction and continue the loading procedure.

WARNING: THE POWER CHAIR COMING IN CONTACT WITH OBSTRUCTIONS AS THE LIFT ROTATES INTO THE TRANSPORTING VEHICLE CAN RESULT IN DANGEROUS CONDITIONS CAUSING DAMAGE TO THE LIFT, DAMAGE TO YOUR VEHICLE OR PERSONAL INJURY. NEVER USE A REPLACEMENT FUSE GREATER THAN 10 A.

11. Your lift should have been installed to automatically stop once fully inside the vehicle. Some care and practice may be required to position the Power Chair at the best position. Often the Power Chair will need to be turned slightly.

12. Once the Power Chair is fully inside the transporting vehicle, push the “Down” button to lower the Power Chair onto the cargo bed. Leave the strap attached to the lifting bar with a little tension during transport.
13. Engage the Power Chair’s brakes during transport.

UNLOADING PROCEDURE

To unload the Power Chair from the transporting vehicle, reverse the loading steps.

ARM STORAGE

When the lift is not being used, the arm can be rotated down and out of the way. Remove the clevis and cotter pins holding the arm angle and rotate the arm down. The pins can be replaced into holes provided to keep the arm in the stored position. When returning the arm to the usable position, make sure the arm is at the original angle and the pins fully engaged.

MANUAL ROTATION

The Equalizer 1 does not have the powered rotation feature. For this lift, the manual lock lever must be disengaged and the arm manually rotated into and out of the transporting vehicle. Take care to limit the rotation to avoid hitting windows or walls of the transporting vehicle. Make sure the manual lock lever is fully engaged into the locked position during transport to prevent the arm from rotating.

MAINTAINING THE LIFT

WITH EACH USE:

- Check the lifting strap for twisting or signs of wear.

MONTHLY:

- Check all mounting hardware for tightness and signs of wear.

TWICE A YEAR:

- Have the installer or authorized service center inspect and perform required maintenance.

TROUBLESHOOTING CHART

SYMPTOM	POSSIBLE CAUSE	SOLUTION
Lift does not work	Control cut-off switch is off.	Turn the switch on. (RED IS ON)
	Power cord is unplugged from lift.	Plug the power cord into base.
	Vehicle battery not connected or is dead.	Check the battery connections; charge the battery.
	Mobile Power battery pack is weak or "dead".	Check LED on Mobile Power battery pack; charge if it is red.
	Pendant not plugged in.	Plug pendant in. The receptacle is located in the base.
	RF remote batteries are weak/"dead".	Replace batteries in RF remote Try the hand held pendant
	RF fuse blown	Inspect RF fuse, replace if needed
Lift runs slowly	Weak vehicle battery or Mobile Power battery pack.	Charge Mobile Power battery pack Charge vehicle's battery or run vehicle to charge it.
	Load is too heavy.	Remove any heavy personal items stored on Power Chair/Scooter. See guidelines in the "Safety First"
Lift will move up & down, but will not rotate in & out	Blown 10A fuse.	Check the fuse, located in the lift base. Replace if necessary with the same size fuse. If lift still does not rotate, contact an authorizer service center.
Lift moves up when it should go down. Lift moves down when it should go up.	Strap wound backwards on spool.	With a little tension on the strap, run the strap out until it begins to retract the strap.
Lift does not lift	Circuit breaker is tripped.	Reset by pushing the yellow button on the circuit breaker, under the relay box.