



Model 760

Power Chair Owners Manual



ULTRA LITE TM
Two Electric Avenue • P.O. Box 7025 **VEHICLES**
Bellmawr, NJ 08099-9803

Showroom Address:
Electric Mobility Corporation
UltraLite Vehicles Division
599 Mantua Blvd. • Sewell, NJ 08080

Thank you for purchasing your UltraLite™ Fold & Go™ Vehicle. With proper care, your vehicle will give you loads of fun and excitement. You will enjoy the freedom to go where you want, when you want, and to do what you want to do.

UltraLite™ Vehicles' mission is to provide easy to use, convenient and portable mobility products to help you get more out of your life.

UltraLite™ Vehicles is a new division of Electric Mobility Corporation (EMC). Twenty years ago, EMC introduced the revolutionary Rascal Scooter which changed the mobility industry because it was more lightweight, portable, and versatile than conventional electric wheelchairs. Today, the Rascal is recognized as the world leader in mobility vehicles.

Our new UltraLite™ Fold & Go™ is another revolutionary vehicle that is destined to change the way people get around like the Rascal did in 1983. Lightweight, portable and powerful, this new electric convenience vehicle is so easy to use; it just folds to go wherever you want it to go!

*Please tell your friends about your wonderful new mobility vehicle. For free literature on the UltraLite™ Fold & Go™ Vehicle, just call **1-800-4U2-FOLD**.*

Your satisfaction means everything to us. Information on our service and warranties are spelled out throughout this manual. Please call us at 1-800-743-1302 if you have any questions.

Sincerely,



President

Contents

Title	Page	Title	Page
Safety Information	1	Battery Pack Connection	13
Electromagnetic Interference (EMI)	3	Controller Connection	15
Getting to know your Power Chair	6	Adjusting Armrests	16
Controls	7	Accessories	17
Battery Level Indicator	7	Using the Power Chair	18
Speed Indicator	7	Day-to-Day Use	18
On/Off Switch	8	Getting On or Off the Vehicle	19
Horn	8	Driving	20
Speed Increase/Decrease	8	Speed Settings	20
Charger/Programmer Connection	8	Inclines	21
Joystick Operation	9	Cornering & Turning	21
Going Forward/Backward	9	Curbs and Small Obstacles	21
Turning Left/Right	9	Freewheel Operation	22
Braking	9	Locking and Unlocking	24
Initial Setup	10	Disassembling and Re-Assembling	26
Installing Seat and Battery Pack	10	Taking the Power Chair Apart	26
Seat Installation	11	Putting the Power Chair Together	26
Battery Pack Installation	12	Transporting the Model 760	27
Charging Battery	13		

Title	Page	Title	Page
Maintenance and Servicing	29	Battery	32
Preventative Maintenance	29	Preventative Maintenance Checklist	33
Seat Upholstery	29	Troubleshooting Guide	34
Frame	30	Controller Diagnostics	35
Storage	30	Factory Return Procedures	36
Electronics	31	Specifications	37
Motor Brakes	31	Warranty Information	38
Tires & Wheels	31		
Tire Pressure	32		

Figures

Number	Title	Page	Number	Title	Page
1	Components	6	5	Battery Charging, Off Vehicle	14
2	Controller	7	6	Armrest Adjustments	16
3	Installing the Seat	11	7	Drivetrain Brake Release Levers	23
4	Installing the Battery Pack	12	8	Locking Sequence	24
			9	Unlocking Sequence	25

© 2003 UltraLite Vehicles

UltraLite™ and Fold & Go™ are trademarks UltraLite Vehicles, a division of of Electric Mobilty Corp.

No liability is assumed with respect to the use of any information contained in this publication. While every precaution has been taken in the preparation of this publication, Electric Mobilty Corp., assumes no responsibility for errors or omissions nor is any liability assumed for damages resulting from the use of information contained in this publication. This publication, as well as operational details described herein, are subject to change without notice.

EMC Part: 19272200 • Rev. 01 • 01/05/04

Safety Information

Read and understand these Warnings and the entire manual before using your PowerChair.

Read Carefully

1. **DO NOT** exceed the specifications of this unit, modify this unit in anyway, or use the unit for a purpose other than a powered wheelchair.
2. **DO NOT** operate this unit if your health or medications you are taking cause you to feel dizzy, affect your vision, or in any way impact your thought process, coordination, or ability to safely operate the unit. Check with your physician should you experience any of these symptoms.
3. **DO NOT** operate this unit after consuming any alcoholic beverages.
4. **DO NOT** transfer "on" or "off" the unit until it is turned "OFF", completely stopped, and when it is on a stable and level surface.
5. **DO NOT** attempt to ride over curbs or other obstruction higher than 2 inches.
6. **DO NOT** stop when going up an incline. If you must do so, always lean forward to shift the center of gravity and prevent the unit from tipping over backwards.
7. **DO NOT** climb inclines that pose a concern for stability.
8. **DO NOT** drive across an incline or attempt to turn while on an incline.
9. **DO NOT** back down an incline or allow the unit to be backed down an incline.
10. **DO NOT** turn off the power while the unit is moving.

11. **DO NOT** operate on a ramp or incline if your power seat is in an up position.
12. **ALWAYS** remember vehicle capacity is limited to one person only. This unit is not approved for towing or for weights in excess of the published maximum.
13. **ALWAYS** drive straight up and down inclines.
14. **ALWAYS** turn the power off when the unit is not in use. This will not only extend the life of the charge in the battery but will keep the unit from being accidentally moved.
15. **ALWAYS** use a grounded receptacle. Use of a non-grounded receptacle could result in an electrical shock.
16. **ALWAYS** reduce speed when making a turn.
17. **ALWAYS** keep arms and legs within the confines of the unit.
18. **USE EXTRA CAUTION** when climbing inclines (ramps, hills, driveways, etc.).
19. **USE CAUTION** when braking on an incline or wet or slippery surfaces as the unit will take longer to come to a complete stop.
20. **USE CAUTION** when operating the unit in bad weather or driving through water as moisture could affect the control system or other parts of the unit either temporarily or permanently.
21. **OPERATOR MUST REMAIN** seated with the seat locked in the forward position when the unit is moving.
22. **NEVER** hose off your PowerChair or allow it to come in direct contact with water.
23. **NEVER** use your PowerChair in a shower or steam room.
24. **NEVER** charge batteries that may be frozen.

Important Information Regarding Electromagnetic Interference (EMI)

It is very important that you read this information regarding the possible effects of electromagnetic interference (EMI) on your power chair.

Electromagnetic interference (EMI) refers to the effects that outside sources of electromagnetic energy (radio and television broadcasts, CB radios, garage door openers, cellular telephones, etc.) might have on the control systems of your power wheel chair. The interference from these sources could cause the power chair to release its brakes, move by itself, or to move in an unintended direction. EMI could also result in permanent damage to the control system.

The sources of electromagnetic energy can be broadly classified into three types:

- **Hand held short-range portable transceivers.** These are transmitter/receivers with the antenna mounted directly on the unit. Examples include: citizen band (CB) radios, “walkie-talkies”, security, fire and police transceivers, cellular telephones, and devices that transmit signals even when not in use.
- **Medium range mobile transceivers.** These usually have the antenna mounted outside of a vehicle or building. Examples include police, fire, ambulance and taxi transceivers.
- **Long range transmitters and receivers.** These usually have the antenna mounted on a tower. Examples include commercial radio and television broadcasts and amateur (HAM) radios.

Other types of hand-held devices like cordless phones, laptop computers, AM/FM radios, and small appliances like hair dryers or electric shavers may also generate electromagnetic energy, but it is such a small amount that, as far as we know, no EMI problems should occur with these devices.

The intensity of interference from electromagnetic energy is measured in volts per meter (v/m), which refers to the strength of the electrical source (voltage) as it relates to the distance away from the object being considered (in meters). Resistance of a PowerChair to a certain EMI intensity is commonly called its “immunity level”. 20 volts/meter is a generally achievable and useful immunity level against interference from radio wave sources (the higher the immunity level, the greater the protection).

Your PowerChair has been tested and found to meet the required immunity level for Electromagnetic Interference (20 v/m).

WARNING!

Even with an immunity level of 20 volts/meter, certain precautions must be followed to ensure that your PowerChair will not be affected by outside electromagnetic sources:

- Do not operate hand-held transceivers such as citizen band (CB) radios or turn on powered communication devices such as cellular phones while the power chair is turned on.
- Be aware of nearby transmitters, such as radio and television stations, and avoid coming close to them.

- If an unintended movement should occur while operating the PowerChair, turn the PowerChair “off” as soon as it is safe to do so.
- Be aware that if you do operate any electrically powered accessories, radios, cellular phones, or other devices, that your power chair may become more susceptible to interference from outside electromagnetic sources.
- Report all incidents of unintended movement or unexpected brake releases to Electric Mobility's Customer Service Department.

Getting to know your Power Chair

Welcome to the world of freedom and independence. In this section, we will acquaint you with the many features of your UltraLite Fold & Go PowerChair and how they work. Upon receipt of your PowerChair, inspect for any damage. Major components of your Power Chair are shown in Figure 1. You should familiarize yourself with these components before using your Power Chair.



Figure 1 — Components

Controls

The joystick assembly mounted on the armrest provides all major operating controls and displays for the Model 760. Controls are shown in Figure 2 and described in the following.

Battery Level Indicator

Indicates the charge level of your batteries. The three green lamps, when lit, indicate fully charged batteries, four amber lamps indicate a caution level and three red lamps indicate the batteries must be charged as soon as possible.

The Battery Level Indicator lamps are also used as a Diagnostic Indicator when troubleshooting problems with the vehicle (see “*Troubleshooting*” on page 34).

Speed Indicator

Indicates selected maximum speed of the power chair, as selected by the Speed Increase/Decrease controls (see following). Faster speeds are indicated by the number of lamps lit (total, 5).



Figure 2 — Controller

On/Off Switch

The on/off switch is located on top of the controller in front of the joystick. Pressing the switch turns the controller on and pressing it again turns the controller off. The battery level indicator lamps will light up when the controller is "On."

The On/Off switch is also used to "lock" the power chair to prevent unauthorized use (see "*Locking and Unlocking*" on page 24).

Horn

Pressing the horn button sounds the horn. Releasing the horn button deactivates the horn. The horn is useful to warn people or animals that you are coming towards them. You may also find it helpful to use it when rounding blind corners or going in reverse.

Speed Increase/Decrease

Selects the desired maximum speed of the vehicle. Settings are shown on the Speed Indicator (see previous).

Charger/Programmer Connection

The Controller includes a Charger/Programmer Connection receptacle located on the underside of the unit. This connection can be used as an alternative charger connection if connecting to the Battery Pack is inconvenient.

Joystick Operation

Use the following to learn how to control your power chair from the joystick of the controls.

Going Forward/Backward Pushing the joystick forward will move the power chair forward and pushing it backward will move backward. Release all pressure on the joystick to bring the unit to a complete stop. Find a level open area with no obstructions and try moving the unit forward and backward only. See how the unit stops when you release the joystick.

Turning Left/Right Pushing the joystick to the right will pivot the unit around to the right, while pushing the joystick to the left pivots the unit around to the left. Try turning to the right and left and see how the unit comes to a complete stop when you release the joystick. Moving the joystick in a combined way (forward or backward and right or left) will move the unit in that combined direction.

Braking Whenever the joystick is moved from the neutral (center) position, the electromagnetic brake will automatically release and allow the power chair to move. When the joystick is returned to the neutral position, the power chair will decelerate and come to a complete stop. If your power chair ever moves in an unexpected manner, immediately switch the On/Off button to "OFF".

Initial Setup

Prior to using your Fold & Go, use the following to initially setup the vehicle for proper use and safe, comfortable operation. Initial setup involves installing the seat and Battery Pack. If the vehicle is delivered with the seat and Battery Pack installed, you can skip this section and proceed with how to charge the battery before riding.

Installing Seat and Battery Pack

The Model 760 includes a removable seat and detachable Battery Pack that may require installation when you first receive it. Use the following to install the seat and Battery Pack.

Seat Installation

The seat is mounted on a folding, tubular frame that attaches directly to the chassis of the vehicle. A Quick-Release latch at the bottom rear of the vehicle frame secures the frame in place. To install the seat:

- Tilt the seat frame forward into the two front locations on the frame of the vehicle
- Lower the rear end of the seat frame into the rear locations in the chassis
- Make sure the Seat Latch springs into locked position

Seat installation is shown in Figure 3.



Figure 3 — Installing the Seat

Battery Pack Installation

The Battery Pack is mounted directly into the frame, at the rear and secured by a spring-loaded latch. When in position, electrical contact is made automatically, no connections are required. The latch keeps the Pack in place and properly connected when driving. The velcro straps help prevent accidental damage to the Battery Pack. Battery installation is shown in Figure 4.

To install the Battery Pack:

- Use handle to lift Battery Pack into position
- Tip Pack towards front of vehicle so that post engages latch
- Secure with velcro straps

Battery may not be fully charged upon installation. Refer to the following to recharge the Battery Pack of your Fold & Go.



Figure 4 — Installing the Battery Pack

Charging Battery

Although the vehicle ships from the factory with the Battery fully charged, it may have become discharged during transit, storage, etc. Use the following to charge the Battery before driving. The Model 760 provides two methods of charging the battery. The charger can be connected directly to the Battery Pack, either on or off the power chair; or when mobility is a concern, the battery can be recharged through a connection on the underside of the joystick controller.

Battery Charging — Battery Pack Connection

1. Locate and identify the separate Battery Charger and AC line cord that accompanies the vehicle.
2. The Battery can be charged either on or off the vehicle. If more convenient, detach Battery from vehicle and set on dry, flat surface accessible to an electrical outlet, as shown in Figure 5.
3. Locate Charger connection on left side of Battery housing. It is covered by a round, sliding door labeled "Charger." Battery Pack charging connection on vehicle is shown in Figure 5.

4. Release the latch at the top of the Battery Pack so that the pack pivots backward, disconnecting the terminals. Battery cannot be charged while connected. Plug the round, 3-prong plug attached to the Charger into connection on Battery.
5. Attach the separate AC line cord into the Charger. Connect other end to electrical outlet. An LED Indicator on the charger housing should appear red while charging. When LED appears green, Battery is fully charged.
6. When fully charged, disconnect Charger from Battery Pack and move Pack forward until it latches in position.



Figure 5 — Battery Pack Charging Connection

Battery Charging — Controller Connection

1. Locate and identify the separate Battery Charger and AC line cord that accompanies the vehicle.
2. Turn controls “Off” at controller. Battery cannot be recharged while controls are operational. Locate Charger connection on the underside of the controller. Plug the cord from the charger into this connection. Attach the separate AC line cord into the Charger. Connect other end to electrical outlet.
3. An LED Indicator on the charger housing should appear red while charging. When LED appears green, Battery is fully charged.
4. When fully charged, disconnect Charger from joystick controller.

Adjusting Armrests

If your vehicle includes armrests, you can adjust the width between armrest so that you are seated in the most comfortable position possible. Armrest adjustments are shown in Figure 6.

To adjust armrest width:

- Loosen Adjustment Knobs on armrest bracket
- Slide armrest support to desired position
- Tighten Adjustment Knob to secure armrest bracket
- Repeat with other side armrest

Additionally, the armrests can be folded down and out of the way for easier movement in and out of the seat. Lift the armrest up at the rear to disengage and fold downward. Moving armrest up and lifting at rear until it engages into bracket returns armrest to riding position.



Figure 6 — Armrest Adjustments

WARNING!

DO NOT use armrest as support when getting on or off the vehicle.

Armrests are not designed to support weight of rider when getting on or off the seat.

Accessories

Your Fold & Go Model 760 can include several useful accessories to make your riding experience more enjoyable, convenient, and easier. These accessories can include:

- Carrying Strap
- Lifting Harness
- Storage Bags
- Beverage Holder

These accessories are available separately and come with complete instructions for installation and use with your Fold & Go vehicle. Contact your UltraLite Customer Service representative for further information.

Using the Power Chair

Once you've gotten familiar with the Fold & Go Model 760 power chair components, controls, and have charged the Battery Pack, you can use the following section to use it. This section presents instructions for:

- Day-to-Day Use
- Locking and Unlocking
- Disassembly and Re-Assembly
- Shipping and Transport

If you are unsure of how to operate your vehicle, go back to the previous section before attempting any use.

Day-to-Day Use

The following describes using your Fold & Go during general, daily operation, including:

- Getting On & Off
- Driving
- Freewheel Operation

Additional information, including locking/unlocking and disassembling the Model 760 for transport and storage is presented in a subsequent section (see page 24 and page 26).

Getting On or Off the Vehicle

Your power chair has been designed to make getting on and off the vehicle as easy as possible.

WARNING!

Make sure On/Off switch of controller is in the “OFF” position before getting ON or OFF the vehicle.

Use the following recommendations to assist you in making it more comfortable to get “On” and “Off” the vehicle.

- If vehicle includes folding armrests, lift them up and out of your way. Be sure to move them down into the riding position before operating.
- Use the footrest area of the frame for assistance when getting on and off.

Driving

Once seated on your vehicle, driving is as simple as using the joystick to move in the desired direction. Before driving, however, you should keep in mind the following recommendations.

- Seat is locked onto frame. Check latching lever.
- Motors are engaged. Check Brake Levers. Both should be in “DOWN” position.
- Armrests are lowered into driving position.

WARNING!

If any of these items are questionable, DO NOT OPERATE! Check before driving. These conditions may cause accidents or injuries.

Speed Settings

The maximum forward/reverse speed range of the vehicle is selected from the Speed Increase/Decrease buttons of the controller. Lower settings (1 lamp on Speed Indicator) result in slower speeds. Higher settings (more lamps on Speed Indicator) provide faster speeds.

When first operating your vehicle, select slower settings until you feel comfortable.

Inclines

ALWAYS travel straight up or straight down an incline. **Never** drive across an incline or decline or attempt to turn while on an incline or decline.

NEVER try to turn around on an incline!

If vehicle stops on an incline, **DO NOT** attempt to continue.

When stopped on an incline, back down with the speed set at “slow” and back down in one continuous movement. **DO NOT** start and stop.

Always lean forward when traveling on inclines (up or down) for greater stability.

Cornering & Turning

ALWAYS reduce to a safe speed when making a turn or going around a corner.

Curbs and Small Obstacles

DO NOT attempt to ride over curbs or any other obstructions higher than 2 inches (5 cm).

Freewheel Operation

The Model 760 features a “freewheel” mode to allow it to be pushed by hand (manual operation). To activate freewheel mode, turn the controller OFF and locate the brake release levers on each drivetrain. Brake Release Levers are shown in Figure 7.

Push lever up to disengage the brake release and use in freewheel mode. Move lever down to reengage the brake. When your vehicle is in freewheel mode, brakes will not operate.

WARNING!

Never sit in vehicle if it is in “freewheel” mode on an incline.

SEAT REMOVED FOR CLARITY



Figure 7 — Drivetrain Brake Release Levers

Locking and Unlocking

The Model 760 can be locked and made non-operational to prevent unauthorized use, temporarily disabling it when you are away and not using the vehicle. Locking and unlocking is performed through a few simple actions directly from the Controller, actual keys are not required. Locking and unlocking sequences are described in the following and illustrated in Figure 8 & 9.

To **LOCK** the Model 760:

- While Controls are switched “On,” press and hold the On/Off control.
- After 1 second, controller will beep. Release On/Off switch.
- Move joystick forward until you hear a second beep.
- Move joystick backward (reverse direction) until you hear a third beep.
- Release joystick, there will be a longer beep alerting you that the power chair is now locked.

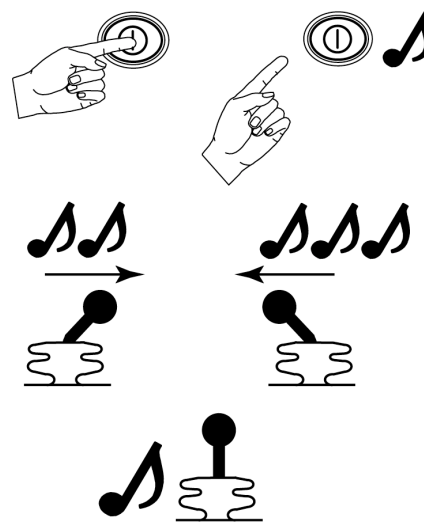


Figure 8 — Locking Sequence

To **UNLOCK** the Model 760:

- Press On/Off switch. The Speed Indicator will start to flash.
- Move joystick forward until you hear a beep.
- Move joystick backward until you hear a second beep.
- Release joystick, there will be a longer beep alerting you that the power chair is now unlocked.

It is recommended that you always lock the Model 760 if you are away from it for any length of time. This will prevent unauthorized or accidental movement of the vehicle.

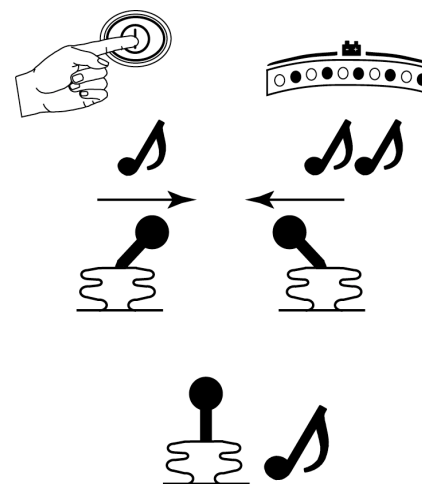


Figure 9 — Unlocking Sequence

Disassembling and Re-Assembling the Model 760

Your Model 760 power chair has been designed for easy disassembly for convenient transportation and storage. No tools or special techniques are required. The complete unit disassembles to seat (with controller), Battery Pack, and frame. Use the following to take it apart and put back together.

Taking the Power Chair Apart

The Model 760 can be quickly and easily taken apart for transport, storage, etc. No tools are needed and it is estimated it can be taken apart within 5 minutes. Use the following to disassemble.

1. Turn the Controller “Off” and switch battery “off” at the Battery Pack.
2. Unlatch the Battery Pack and remove velcro straps to remove Battery Pack from frame.
3. Disconnect the Controller wiring harness beneath the seat. Release the seat frame latch at the bottom rear and lift seat away from frame. Seatback and frame can be folded flat for storage.

Putting the Power Chair Together

Re-assembly of the Model 760 power chair consists of replacing the Battery Pack, re-installing the seat, and re-connecting the controller to the connector mounted on the frame.

After re-assembly, it is recommended Controller be switched “On” and functions tested before actually using the power chair.

Transporting the Model 760

By Car — To transport your power chair by car, place each of the components into the trunk, being careful not to scratch or mark any of the finished surfaces. If you need assistance lifting weights, consider asking Electric Mobility's Customer Service Department or your authorized service center about the Power Trunk Lift. This device will assist you in transporting your Fold & Go by transferring these components in and out of your trunk with very little effort. (See "Specifications" for more information on weights).

By Airplane — To transport your power chair on an airplane, we recommend that you call your airline at least 24 hours in advance to ensure that they are able to handle your vehicle properly. Ask your airline whether they will need to disassemble the Fold & Go or whether they plan to load and store it on the plane without disassembly. Ask specifically where and with whom you should drop the unit off and where and with whom you should retrieve it at your destination. We also recommend, when possible, to check your vehicle in at the gate.

Note: Only sealed lead-acid or sealed gel batteries are Federal Aviation Authority (FAA) approved for air travel.

Remember to bring this manual with you as a reference on your trip. Your manual will assist you in disassembling and re-assembling your vehicle.

Prior to leaving the airport, remember to test the unit when first getting on it. Direct any questions to the airline personnel if the unit does not work as it did prior to transportation.

If traveling outside of the United States, you may require a different charger or an adapter for your present charger. Customer Service or your authorized service center can help you answer these questions and supply you with the charger or adapter you require.

By Bus, Van or Truck without Disassembly — If transporting your power chair fully assembled in a van, bus, or truck, secure it to the floor using a four point tie-down system.

The operator should then be seated in an approved seat somewhere in the transporting vehicle.

WARNING!

This vehicle does not meet Federal Safety Standards for motor vehicle seating. Do not sit, nor permit anyone else to sit, in the seat of during transportation in a motor vehicle as this poses a significant risk of bodily injury or even death.

Maintenance and Servicing

This section presents information to keep your Fold & Go in peak operating condition, including:

- Preventative Maintenance
- Troubleshooting
- Factory Return Procedures

Your Fold & Go requires only minimal maintenance and by setting time aside each month for careful inspection and checking items included in this section, you can be assured of a long, useful life of your vehicle.

Preventative Maintenance

Performing periodic preventative maintenance on your power chair will ensure long, useful operational life as well as identifying any potential problems that may occur that might effect safe use and operation of the vehicle. Maintenance topics are presented in the following. For convenience, a Preventative Maintenance Checklist is also included as an aid in performing and recording maintenance of your power chair.

Seat Upholstery A damp cloth and a mild soap will keep your seat and backrest looking good. Do not use abrasive cleaners as this will damage the coating. Upholstery can also be damaged by chemical cleaners

Ultra-violet light can also reduce the life of the upholstery coating material. This is a normal aging process and cannot be guaranteed.

Seat Upholstery should be cleaned monthly.

Frame

The tubular frame of your power chair can be lightly washed with a damp cloth and mild soap and water. Auto polish can be used to keep painted surfaces in good condition. Do not use abrasive cleaners or strong detergents, because this will fade the color.

Frame can be cleaned yearly.

CAUTION!

Do not hose down your Fold & Go Vehicle. Water could penetrate the electronics and cause permanent damage.

Storage

DO NOT store your power chair in damp conditions. This may affect the electronics if left for very long periods of time.

Electronics

Servicing of the drive electronics and charger should only be carried out by your local UltraLite Vehicles service center. These units are sealed and should not be opened. **BROKEN SEALS WILL VOID YOUR WARRANTY. DO NOT** operate your Fold & Go Vehicle in extreme weather conditions, i.e. very heavy rain or snow. **DO NOT** drive through water. This may damage the main electronic controller of your power chair.

Safety Note: For your own safety, we recommend that you check the function of your Fold & Go Vehicle brakes prior to use.

Motor Brakes

If the motor brakes are functioning correctly, you will not be able to push your machine when it is switched off or switched on with the brake release lever in the raised position.

Brakes should be checked weekly or daily.

Tires & Wheels

Check the condition of your tires regularly. Look for signs of wear, cuts and foreign objects lodged in the tread. If your vehicle has foam filled tires, it eliminates the need to check or maintain air pressure.

If your Fold & Go Vehicle has air filled tires, you must check the tire pressure regularly. Tire pressure should be maintained at 35 to 40 psi. **DO NOT** over inflate the tires. **DO NOT** operate the vehicle with under inflated or over inflated tires.

Tires should be checked weekly.

CAUTION!

Your vehicle has split wheel rims. DO NOT remove wheel bolts.

Tire Pressure If equipped with pneumatic tires, fill to 35 to 40 psi. Check air pressure monthly.

Battery Keep your battery well charged (see “Battery Charging” on pages 13-15). Keep battery clean and in a dry frost-proof place. Keep battery contacts clean. To clean brush lightly with fine sand paper.

IMPORTANT!

It is not possible to predict the life expectancy of your battery. Different workloads will affect battery accordingly.

Some Fold & Go Vehicle users will use their vehicle every day and for long periods of time. Their battery will receive a near total discharge, and the life of their battery will be short (12 months or less in some cases). Other Fold & Go Vehicle users will use their vehicles less frequently, putting their battery through a less demanding discharge lifestyle. These battery will probably have a longer life (12 to 24 months or longer).

Preventative Maintenance Checklist

Check	Weekly	Monthly	Yearly	Performed	Date	Comments
Seat Upholstery		✓		_____	__/__/__	
Frame			✓	_____	__/__/__	
Brakes	✓			_____	__/__/__	
Tires	✓			_____	__/__/__	
Tire Pressure		✓		_____	__/__/__	

Troubleshooting Guide

If your Model 760 power chair does not run as expected, check the following.

- Charger plugged-in to wall outlet. Vehicle will not operate while charger is plugged-in.
- Check Controller On/Off switch. Must be in “On” position.
- Check Power Switch on Battery. Must be in “On” position for controller on/off switch to function.
- Battery may need charging. Check Battery Level Indicator. Amber or green lamps should be lit. Otherwise, recharge battery.
- Circuit Breaker may have tripped. Reset using circuit breaker reset button on right side of Battery.
- Loose wiring. Check controller wiring connections beneath seat. Make sure connector is tight.
- Speed Indicator flashes to indicate power chair is “locked.” Refer to “Locking and Unlocking” (page 24).

Additionally, the controller of the power chair includes self-diagnostics that are displayed on the Battery Level Indicator. Individual LED's on this Indicator will flash to indicate a possible problem. LED meanings and appropriate corrective action are listed in the following.

Controller Diagnostics

LED	Color	Meaning	What To Do
1	Green	Battery needs charging or bad connection	Check battery connections by removing and re-connecting. Recharge battery.
2	Green	Bad connection on left drivetrain	Check motor connections
3	Green	Short circuit on left drivetrain	Contact Service Center
4	Green & Amber	Bad connection on right drivetrain	Check motor connections
5	Green & Amber	Short circuit on right drivetrain	Contact Service Center
6	Green & Amber	Charger connected	Disconnect charger
7	Green & Amber	Joystick fault	Joystick must be centered (neutral) before turning controller "On."
8	Green, Amber, Red	Controller fault	Check connections
9	Green, Amber, Red	Brake connection fault	Check connections (motor & controller)
10	Green, Amber, Red	Excessive voltage at controller	Check battery connections

If vehicle still will not operate, contact your local UltraLite Service Center or contact Customer Service at **1 (800) 743-1302** for further assistance.

Factory Return Procedures

If a part or the entire product is to be returned, call Electric Mobility Customer Service Center to obtain a Return Authorization Number that must be placed on the return package. This number is used to identify the customer, the part and the type of repair. Any part or product received without this number will be returned to the sender at the sender's expense. In the event that you must return the product, a Customer Service Representative can help you make the necessary arrangements.

To help us serve you as quickly as possible have your serial number and your order number ready when you call.

When ordering parts, please have your method of payment ready (i.e., credit card number and expiration date, check, or COD, etc.). All parts are shipped UPS Ground. Alternate shipping arrangements may be made for an additional charge based on weight and destination (i.e. UPS Next Day, UPS 2nd Day, etc.).

Specifications

Designation

Model 760

Dimensions (L x W x H) ¹	38" (96cm) x 22" (57cm) x 32" (80cm)
Weight Capacity ²	200 lb. (90.7 Kg)
Maximum Speed	3.75 Mph (6 Kmh)
Safe Incline ³	6° (10%)
Max. Incline ³	10° (17%)
Range ⁴	9 mi (14 km)
Turning Radius	30" (77 cm)
Total Weight	88 lb. (40 kg)
Seat	Detachable & Folding
Battery Capacity	12V/12Ah (2)
Battery Pack Weight	22 lb. (10 kg)
Charger	Off Board (2A)
Motor Output Power	0.45 hp/336W
Front Tire Size	6" (15.2 cm)
Rear Tire Size	8" (20.1 cm)

Notes:

¹ Including anti-tip casters

² On level terrain

³ Based on rider weight of 200 lb.

⁴ Range varies with rider's weight, terrain, battery charge, temperature and style of driving

Warranty Information

UltraLite Vehicles warrants the vehicle other than its component battery or batteries, to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. If, within such warranty period, any such product shall be proven to UltraLite Vehicles satisfaction to be defective, such product shall, at option, be repaired or replaced. Sole obligation and your exclusive remedy under this warranty shall be limited to such repair and/or replacement.

For warranty service please contact UltraLite Vehicles at: **1-800-743-1302**.

Limitations and Exclusions

The foregoing warranty shall not apply to products subjected to negligence, accidents, improper operation, maintenance or storage, commercial, institutional, or service use other than normal application, or to products damaged by reason of repairs or modifications made to any product without the specific written consent of UltraLite Vehicles, or products damaged by circumstances beyond UltraLite Vehicles control.

The foregoing warranty is exclusive and in lieu of all other express warranties, implied warranties, if any, including but not limited to the implied warranties of merchant ability and fitness for a particular purpose, and shall not extend beyond the duration of the express warranty provided herein. UltraLite Vehicles shall not be liable for any consequential or incidental damages whatsoever.

