



OWNER'S MANUAL

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IMPORTANT: READ THIS MANUAL BEFORE OPERATING YOUR WHEELCHAIR

CONTENTS

I INTRODUCTION	3
II IMPORTANT SAFETY PRECAUTIONS	
III HANDLING TIPS	
IV GETTING STARTED	
V OPERATING INSTRUCTIONS	
VI ADJUSTMENTS	
VII BATTERIES	
VIII MAINTENANCE	29
IX TROUBLESHOOTING	34
X TRANSPORTING THE EVEREST LITE	39
XI LIMITED WARRANTY	41
YII INDEX	43

READ THIS MANUAL BEFORE OPERATING YOUR WHEELCHAIR

I INTRODUCTION

Important safety, operating, and maintenance instructions that warrant your attention are included in this owner's manual. Read the entire manual carefully before operating your new wheelchair, and refer to it as often as necessary to help maintain good performance standards. If you do not understand the warnings and instructions provided herein, contact your healthcare professional, Graham-Field Health Products dealer or technical representative before proceeding with the use of this product; otherwise personal injury or damage to your wheelchair could result.

Consult your healthcare professional and Graham-Field Health Products dealer for assistance in developing and learning safe and effective techniques for performing your daily activities according to your individual physical abilities and needs, and to make certain that your wheelchair is properly prescribed and adjusted for your use. All procedures involved should be practiced with an attendant until you are thoroughly familiar with them.

The safety precautions in this manual are general warnings intended to be used only as basic guidelines. You may find it necessary to develop your own methods for safely solving frequently encountered challenges. Again, consult your professional healthcare advisors for their recommendations about safety methods, and never hesitate to ask for their assistance.

Your new wheelchair should receive frequent, regularly scheduled maintenance, including an inspection of the mechanical parts, to ensure proper operation. Some suggested inspection procedures, troubleshooting procedures, and adjustment procedures are included in this manual. When it comes to service and repair, remember that your Graham-Field Health Products dealer knows your wheelchair best.

All information and specifications in this manual are current at the time of printing. However, because it is Graham-Field Health Products policy to continually improve the quality and reliability of all our products, we must reserve the right to make changes at any time without notice.

Thank you for choosing an Everest & Jennings® product. We at Graham-Field Health Products wish to assure you of our continuing commitment to provide innovation and quality in our products. The Everest Lite can be dismantled easily for transport. Its maximum speed is 3.5 mph. The Everest Lite is intended for indoor and/or outdoor use, and is ideal for tight spaces and over firm surfaces. Its maximum weight capacity is 250 pounds (114 kg).

The person performing adjustments on the Everest Lite has the responsibility of making certain that the user can safely operate the wheelchair with the adjustments selected. This person must evaluate the user's ability, weight, physical condition, the environment in which the wheelchair will be used, and the terrain over which the wheelchair will travel.

Please note the following special statements, used throughout this manual, and their significance:

Note: Special information set off from the text.

▲ Caution: Damage to equipment is possible.

⚠ WARNING: Personal injury could occur.

II IMPORTANT SAFETY PRECAUTIONS

Important safety precautions: Always follow these safety precautions when using your wheelchair. Failure to do so could result in personal injury to you or others or damage to your wheelchair.

Safety requires the constant attention of the wheelchair user and the attendant. It is extremely important to learn and always use safe methods of performing basic daily activities. Always consult healthcare professionals to determine those methods most suitable for your individual abilities.

Protect yourself and your wheelchair by having your Everest Lite serviced regularly. Whenever any part of your Everest Lite is not functioning properly, contact your Graham-Field Health Products dealer immediately, as a hazardous situation could result, causing personal injury or damage to your wheelchair. **ONLY EXCELLENT CONDITION IS ACCEPTABLE WHERE SAFETY IS CONCERNED**. Periodic inspection, adjustment, and replacement of worn parts will provide many years of superb performance.

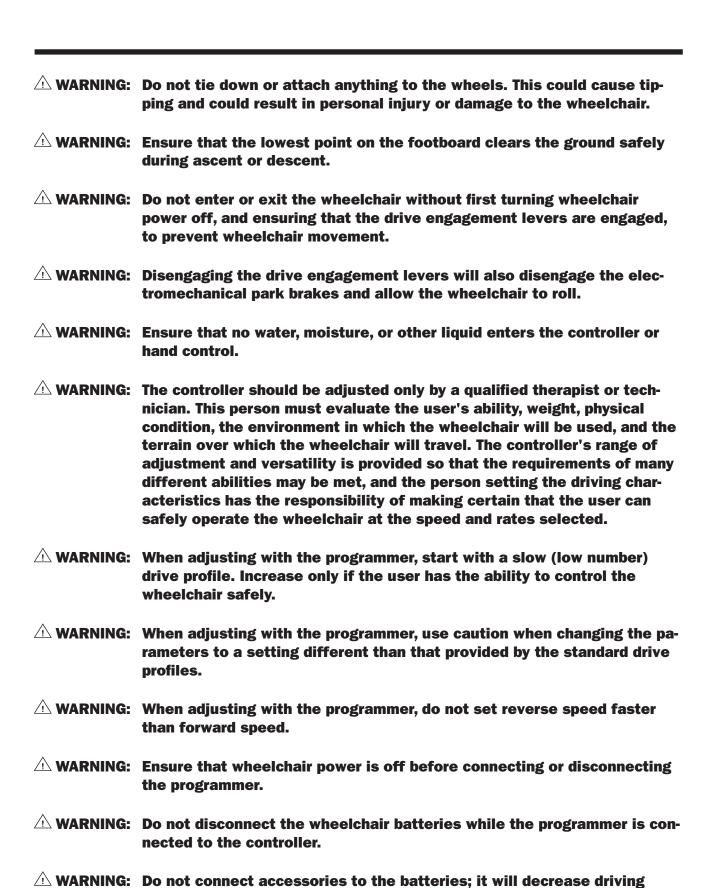
EVEREST LITE LABELS

Read all labels on your Everest Lite before driving it. Do not remove any of the labels.

- ▲ Caution: Never lift your Everest Lite by the front or rear cowl.
- ▲ Caution: When installing the battery pack, press the strap all the way down.

WARNINGS

- \triangle WARNING: The Everest Lite maximum weight capacity is 250 pounds (114 kg).
- ⚠ WARNING: The wheelchair user must be capable of driving a power wheelchair safely.
- riangle WARNING: Do not operate this wheelchair on streets or roadways.
- \triangle WARNING: Use the positioning strap at all times to prevent injury.
- \triangle WARNING: Do not operate this wheelchair on hilly or rough terrain, sand, wet or icy surfaces, or surfaces with impaired traction.
- \triangle WARNING: Do not attempt any incline or decline greater than six degrees (10% grade, or one foot of rise or fall per ten feet of ramp length).
- \triangle WARNING: Exercise caution if turning wheelchair while going downhill.
- ⚠ WARNING: This wheelchair does not offer seating or occupant restraint equivalent to the seat provided in a motor vehicle! To increase your safety while traveling in a motor vehicle, always transfer to the vehicle seat and use the restraint provided by the vehicle manufacturer.



range and shorten battery life. Do not connect ANYTHING to only one

battery; this will cause premature battery failure.

- ⚠ WARNING: Never connect a respirator or other life-support device to the wheelchair batteries, since it will shorten the battery operating time. This could cause an unanticipated failure of both the wheelchair and the life-support equipment.
- ⚠ WARNING: Do not stand or step on the footboard while transferring to or from your wheelchair. This could cause the wheelchair to tip or could cause personal injury or damage to your wheelchair.
- ⚠ WARNING: Always ensure that the wheelchair is on a stable, level surface, engage the drive engagement levers, and turn wheelchair power off before transferring, using a wheelchair lift, or using an elevator.
- ⚠ WARNING: Do not attempt to reach objects if you are required to move forward in the seat. Do not attempt to retrieve objects from the floor if you must reach down between your knees. Do not shift your weight in the direction that you are reaching and/or bending; this could cause the wheel-chair to tip.
- ⚠ WARNING: Unauthorized modification or the use of non-Everest & Jennings® replacement parts could change the structure of the wheelchair, void the warranty, and create a hazardous condition resulting in serious personal injury.
- ⚠ WARNING: Do not lean on this wheelchair, use it to support yourself (except while sitting in it), or use it as a walker—these are practices which could result in loss of balance and personal injury.
- riangle WARNING: Do not tow any loads or "piggyback" passengers or heavy packages.
- riangle WARNING: Keep all cables away from the moving parts of the wheelchair.
- \triangle WARNING: Do not use your wheelchair on escalators.
- ⚠ WARNING: As a safety feature, this wheelchair is equipped with fail-safe electromechanical park brakes. Any interruption in the power supply will cause these brakes to immediately engage and stop the wheelchair. If the user is not properly positioned, an unanticipated stop could pitch the user forward and out of the wheelchair. Use the positioning strap at all times to prevent injury.
- ① GF Health Products, Inc. specifically disclaims responsibility for any personal injury or property damage which may occur during any use which does not comply with federal, state, or local laws or ordinances.

ELECTROMAGNETIC INTERFERENCE (EMI) FROM RADIO WAVE SOURCES

It is very important that you read this information regarding the possible effects of electromagnetic interference on your Everest & Jennings® Everest Lite power wheelchair.

Powered wheelchairs may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic (EM) energy emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular telephones. The interference (from radio wave sources) can cause the powered wheelchair to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the powered wheelchair's control system. The intensity of the interfering EM energy can be measured in volts per meter (V/m). Each powered wheelchair can resist EMI up to a certain intensity. This is called its "immunity level". The higher the immunity level, the greater the protection. At this time, current technology is capable of achieving at least a 20 V/m immunity level, which would provide useful protection from the more common sources of radiated EMI.

This powered wheelchair model has an immunity level of 20 V/m.

Be aware that using different components, adding accessories, or modifying the powered wheelchair may change the immunity level.

There are a number of sources of relatively intense electromagnetic fields in the every-day environment. Some of these sources are obvious and easy to avoid. Others are not apparent and exposure is unavoidable. However, we believe that by following the warnings that follow, your risk to EMI exposure will be minimized.

The sources of radiated EMI can be broadly classified into three types:

1) Hand-held portable transceivers (transmitters-receivers) with the antenna mounted directly on the transmitting unit. Examples include: citizens band (CB) radios, "walkie talkies", security, fire, and police transceivers, cellular telephones, and other personal communication devices.

Note: Some cellular telephones and similar devices transmit signals while they are on, even when not being used;

- 2) Medium-range mobile transceivers, such as those used in police cars, fire trucks, ambulances, and taxis. These usually have the antenna mounted on the outside of the vehicle; and
- 3) Long-range transmitters and transceivers, such as commercial broadcast transmitters (radio and TV broadcast antenna towers) and amateur (HAM) radios.

Note: Other types of hand-held devices, such as cordless telephones, laptop computers, AM/FM radios, TV sets, CD players, and cassette players, and small appliances, such as electric shavers and hair dryers, so far as we know, are not likely to cause EMI problems with your powered wheelchair.

POWERED WHEELCHAIR ELECTROMAGNETIC INTERFERENCE (EMI)

Because EM energy rapidly becomes more intense as one moves closer to the transmitting antenna (source), the EM fields from hand-held radio wave sources (transceivers) are of special concern. It is possible to unintentionally bring high levels of EM energy very close to the powered wheelchair's control system while using these devices. This can affect powered wheelchair movement and braking. Therefore, the warnings that follow are recommended to prevent possible interference with the control system of the powered wheelchair.

EMI WARNINGS

Electromagnetic interference (EMI) from sources such as radio and TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular telephones can affect powered wheelchairs. Following the warnings listed below should reduce the chance of unintended brake release or powered wheelchair movement which could result in serious injury.

- ⚠ WARNING: Do not operate hand-held transceivers (transmitters-receivers), such as citizens band (CB) radios, or turn on personal communication devices, such as cellular telephones, while the powered wheelchair is turned on.
- \triangle WARNING: Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them.
- ⚠ WARNING: If unintended movement or brake release occurs, turn the powered wheelchair off as soon as it is safe.
- ⚠ WARNING: Be aware that adding accessories or components, or modifying the powered wheelchair, may make it more susceptible to EMI (Note: There is no easy way to evaluate their effect on the overall immunity of the powered wheelchair).
- \triangle WARNING: Report all incidence of unintended movement or brake release to Graham-Field Health Products, and note whether there is a source of EMI nearby.

IMPORTANT INFORMATION

- 1) 20 volts per meter (V/m) is a generally achievable and useful immunity level against EMI (as of May 1994) (the higher the level, the greater the protection);
- 2) This powered wheelchair model has an immunity level of 20 V/m.

Be aware that using different components, adding accessories, or modifying the powered wheelchair may change the immunity level.

III HANDLING TIPS

The Everest & Jennings® Everest Lite has been designed and engineered to perform as a stable and well balanced unit when used as intended, but it is possible to tip the Everest Lite over if used improperly. We urge you to learn the characteristics of your wheelchair. It is most important to learn safe methods to perform the daily activities basic to your lifestyle. Consult healthcare professionals for assistance in developing the skills and proper techniques to perform all activities safely.

BALANCE

Proper balance is the key to maintaining the stability of your wheelchair. Reaching, bending, and transferring to or from a wheelchair will change the weight distribution and center of gravity of you and your wheelchair. When performing such activities, do so as instructed in the following paragraphs to avoid tipping the wheelchair.

TRANSFER ACTIVITIES

 \triangle WARNING: Always ensure that wheelchair is on a stable, level surface, engage the drive engagement levers, and turn wheelchair power off before transfer.

⚠ WARNING: Do not step on the footboard during transfer; this could cause the wheelchair to tip. Fold the footboard up during transfer. There is a critical moment when there is little or no seat platform beneath you. Take every precaution to reduce this unsupported distance before you attempt transfer.

Transferring to or from a wheelchair is a very difficult maneuver. Exercise extreme care when transferring without the aid of either an attendant or a patient lift. Consult health-care professionals for assistance in developing your individual technique. Make sure that the wheelchair is stabilized, and will not move or slide during the transfer. Take extra precaution to prevent tipping. Use good body mechanics to prevent personal injury.

REACHING / BENDING

Although it is not recommended, you may find it occasionally necessary to lean or reach from your wheelchair. Consult with healthcare professionals for assistance in developing your personal safe reaching or moving techniques suited to your ability and restrictions.

Forward or sideward

⚠ WARNING: Do not attempt to reach objects if you are required to move forward in the seat. Do not attempt to retrieve objects from the floor if you must reach down between your knees. Do not shift your weight in the direction that you are reaching and/or bending; this could cause the wheel-chair to tip.

- 1. Maneuver the wheelchair as close as possible to the object you wish to reach.
- 2. Reach only as far as your arm will extend without changing your sitting position. If in doubt, reposition the wheelchair or ask for assistance.

Backward

- 1. Maneuver the wheelchair as close as possible to the object; the casters will limit how close you can get.
- 2. Reach only as far as your arm will extend without changing your sitting position. If in doubt, reposition the wheelchair or ask for assistance.

RAMPS AND INCLINES

 \triangle WARNING: During descent, ensure that the lowest point on the footboard clears the ground safely.

⚠ WARNING: Do not attempt any incline or decline of more than 6 degrees (10% grade, or one foot of rise or fall per ten feet of ramp length).

 \triangle WARNING: Avoid changing direction while descending a ramp or incline, as this could cause instability.

Most people are capable of negotiating short inclines without assistance, depending upon upper body strength, endurance, and the degree of incline. Know your own capabilities and limitations in terms of strength and endurance before attempting to negotiate an incline or decline. Practice with an attendant or healthcare professional first before attempting any inclines, declines curbs or ramps. Always inspect the ramp for hazards such as holes, slippery or uneven surfaces, etc. before starting up or down. If you can not see the entire ramp, ask someone to inspect it for you.

Ascent

Lean the upper part of your body slightly forward as you ascend the incline. If it becomes necessary to stop on the incline, avoid any abrupt or sudden forward movement as you resume climbing, this could cause tipping.

Descent

Always face forward when going down, but do not lean forward; this could cause tipping. Lean slightly backward to increase stability.

It is critical to keep the wheelchair under control at all times. Descent should be made slowly and steadily, allowing the wheelchair's control system to maintain a safe speed. Upon stopping, electromechanical park brakes will engage to prevent the wheelchair from rolling.

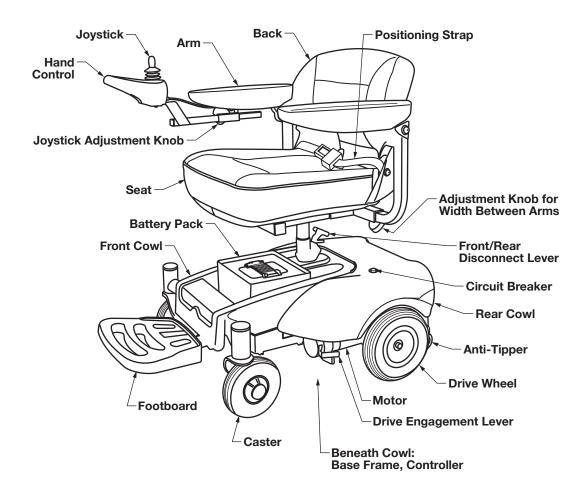
CURBS AND STEPS

Curbs, steps and stairways are dangerous obstacles that confront the wheelchair user. When you encounter curbs, find a way around, or use the ramps now available in most locations. If you encounter steps and there is no ramp available, avoid the steps by utilizing the disabled designated elevators now required in most locations.

 \triangle WARNING: Never attempt to negotiate steps, stairs or escalators in your Everest Lite.

IV GETTING STARTED

The Everest Lite is designed to provide the highest degree of independence and mobility. It offers superior maneuverability and exceptionally tight turning capability. The theoretical range of the Everest Lite is approximately 8-10 miles (12-16 km) with a 165 pound (75 kg) user, at an ambient temperature of 48° F, on a hard level surface with fully charged 12V 12AH sealed batteries, at 3.5 mph. Actual range will vary according to your weight, the amount of start/stop driving, ambient temperature, and the terrain on which you travel with your wheelchair. As you become acquainted with your power wheelchair, its range and performance capabilities will become apparent. The Everest Lite is illustrated below. Main features are identified.



POWER DRIVE SYSTEM

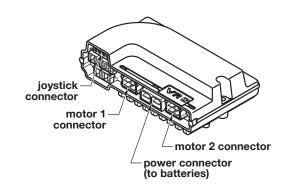
The Everest Lite power drive system consists of two independent drive wheels, a hand control, controller, independent, direct drive right and left motors, and two twelve volt batteries that provide power.

The motors operate in both the forward and reverse direction. Motor speed and direction are controlled by the joystick. The joystick commands are interpreted and applied to the motors by the controller.

CONTROLLER

See the picture at right. The controller is mounted below the seat. The controller contains the connectors to the rest of the wheelchair control system. The connectors used by the Everest Lite are labelled in the picture at right - connectors not labelled in this picture are not used by this wheelchair's control system.

Sleep mode: When wheelchair power is on, but the wheelchair remains undisturbed for 30 minutes, the controller automatically shuts off. When this occurs, switch power off, then on.

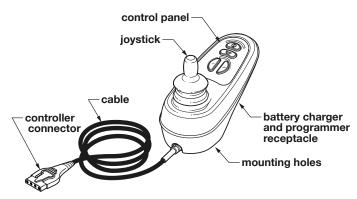


VR2 controller *

* VR2 is a trademark of PG Drives Technology, Inc.

HAND CONTROL

See the picture at right. The hand control is mounted at the front of either arm. The hand control contains the joystick, battery charger receptacle (also used for the optional programmer), mounting holes for the extension bracket, and those features found on the control panel, shown on the next page: the ON/OFF button, battery indicator, maximum speed/profile indicator, horn button, speed profile decrease button, and speed/profile increase button. Their descriptions follow.



VR2 hand control

Joystick

The joystick controls the speed and direction of wheelchair travel. The further you move the joystick from the rest position, the faster your wheelchair will move. When the joystick is returned to the neutral (center) position or released, the control system will bring the wheelchair to a smooth stop. Upon stopping, electromechanical park brakes will engage to prevent the wheelchair from rolling.

Moving the joystick forward (away from the user) causes the wheelchair to move forward. Moving the joystick back (toward the user) causes the wheelchair to travel in reverse. When the joystick is moved right to 3 o'clock position, the wheelchair will turn to the right; when the joystick is moved left to 9 o'clock position, the wheelchair will turn to the left.

Battery charger receptacle (and receptacle for optional programmer)

The receptacle for the battery charger (and optional programmer) is located on the underside of the hand control, as shown above. Use only the battery charger supplied with the wheelchair.

Controller cable

The hand control's controller cable plugs into the controller connector on the rear cowl.

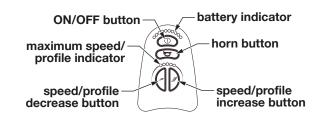
Hand control panel features (see picture below right)

ON/OFF button

The ON/OFF button switches wheelchair power on and off. When wheelchair power is on, the battery indicator illuminates.

Battery indicator

The three-color (green, yellow and red) battery indicator illuminates when wheel-chair power is on. The battery indicator shows the charge level of the batteries. As the batteries discharge, the lights go off



VR2 hand control control panel

from green to red, similarly to an automobile's gas gauge (all lights on = full). When the batteries are nearly discharged, only the red lights will illuminate. When one red light flashes slowly, charge batteries immediately. When you switch wheelchair power on, the battery indicator shows an estimate of the remaining battery charge (the reading will be more accurate about a minute after you start driving the wheelchair). The battery indicator also provides a diagnostics display when wheelchair control system problems occur. See TROUBLESHOOTING for a description of the battery indicator diagnostics.

Maximum speed / profile indicator

This 5-segment display indicates the maximum speed setting or which drive profile is selected, if drive profiles have been programmed.

Horn button

This button operates the wheelchair's horn.

Speed / profile decrease button

This button decreases the maximum speed setting or selects a lower drive profile, if drive profiles have been programmed.

Speed profile increase button

This button increases the maximum speed setting or selects a higher drive profile, if drive profiles have been programmed.

BATTERIES

Please see Section VII, BATTERIES, which also describes the battery charger included with your Everest Lite. Charge the batteries fully before operating your wheelchair. For installation and charging information, refer to Section VII, BATTERIES.

CIRCUIT BREAKER

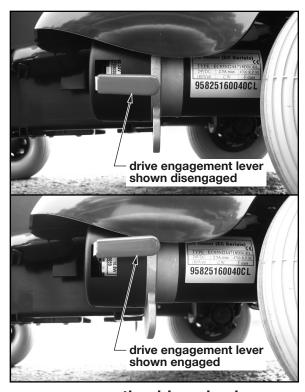
Your Everest Lite is equipped with a circuit breaker to protect the electrical circuits from overload. It is located in the left rear cowl, as shown at right. In the event of an overload, the circuit breaker button will pop out. To reset the circuit breaker, push the button in.



V OPERATING INSTRUCTIONS

Read and understand all safety precautions before operating your wheelchair.

- 1. Charge the batteries fully before use. For battery installation and charging information, refer to Section VII, BATTERIES.
- 2. Engage the drive wheels by pulling the drive engagement levers up on both right and left motors (see picture at right).
- 3. With the joystick in neutral, turn the hand control ON/OFF button ON.
- 4. Adjust to a low speed or drive profile (if drive profiles have been programmed).
- 5. Move the joystick gently in the direction in which you wish to travel. If you desire a higher speed, adjust the speed/profile increase button.
- 6. To stop the wheelchair, release the joystick to the neutral (center) position. The control system will bring the wheelchair to a smooth stop. Upon stopping, electromechanical park brakes will engage to prevent the wheelchair from rolling.
- 7. Attempting to overcome a stall condition could trip the circuit breaker located in the left rear cowl. In the event of an overload, the circuit breaker button will pop out. To reset the circuit breaker, push the button in.



engage the drive wheels

Locking the control system to prevent unauthorized use of wheelchair

The control system can be locked to prevent unauthorized users from operating the wheelchair. Instructions follow to lock and unlock the control system.

Lock the control system

- 1. While wheelchair power is on, depress and hold the ON/OFF button.
- 2. After one second, the control system will beep. Release the ON/OFF button.
- 3. Deflect the joystick forward until the control system beeps.
- 4. Release the joystick; there will be a long beep.
- 5. The control system is now locked; the wheelchair cannot be driven.

Unlock the control system

- 1. Depress the ON/OFF button to switch wheelchair power on. The maximum speed/profile indicator will ripple up and down.
- 2. Deflect the joystick forward until the control system beeps.
- 3. Deflect the joystick in reverse until the control system beeps.
- 4. Release the joystick; there will be a long beep.
- 5. The control system is now unlocked; the wheelchair can now be driven.

VI ADJUSTMENTS

The Everest Lite offers several adjustments to make it easier and more comfortable to drive. Adjustments are listed by component.

Section VIII, MAINTENANCE, offers preventive maintenance suggestions for keeping your wheelchair in excellent condition; ensure that all components are in excellent condition before adjusting. The following are recommended methods; after a few adjustments, you may develop your own methods. Always consult your Graham-Field Health Products dealer for assistance.

The person performing adjustments on the Everest Lite has the responsibility of making certain that the user can safely operate the wheelchair with the adjustments selected. This person must evaluate the user's ability, weight, physical condition, the environment in which the wheelchair will be used, and the terrain over which the wheelchair will travel.

Specific tools needed to perform each adjustment are identified in adjustment sections. A complete list of tools needed to perform all adjustments in Section VI follows:

Cable ties M6 hex key M5 hex key M13 wrench

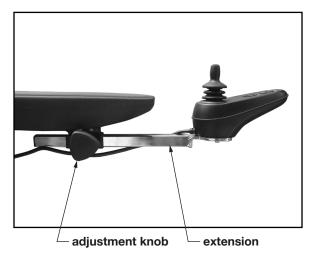
⚠ WARNING: Ensure that wheelchair power is OFF, and drive engagement levers are engaged, before performing adjustments.

ARM

Adjust hand control extension backward and forward

The hand control can be moved forward and backward along arm (see picture at right):

- 1. Loosen hand control extension adjustment knob.
- 2. Slide extension to preferred position.
- 3. Tighten knob when hand control is in desired position.



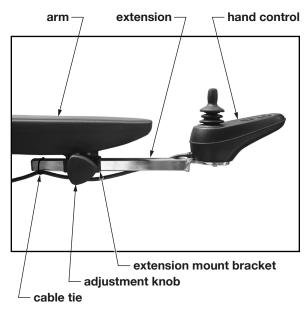
adjust hand control extension backward and forward

Adjust hand control extension—change sides

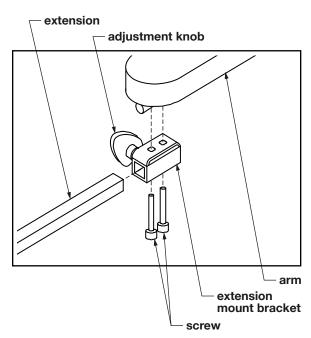
Tools needed: M5 hex key, cable ties

The hand control can be placed on either the right or left arm:

- 1. Remove cable ties that secure hand control cable to extension, if any.
- 2. Disconnect the hand control connector from the cowl connector.
- 3. Loosen hand control extension adjustment knob.
- 4. Slide extension out from extension mount bracket and remove it from arm.
- 5. Use M5 hex key to remove screws that secure extension mount bracket to underside of arm.
- 6. Remove plugs on underside of other arm.
- 7. Install extension mount bracket on underside of other arm—turn bracket around so that knob faces outward (see picture at lower right).
- 8. Install screws that secure extension mount bracket to underside of arm. Use M5 hex key to tighten.
- 9. Slide extension into bracket; tighten knob when hand control is in desired position.
- 10. If desired, install cable tie to secure hand control cable to extension.
- 11. Install plugs in other arm.
- 12. Connect the hand control connector to the cowl connector.
- ⚠ WARNING: Ensure that hand control extension is locked in place, and that all cables are away from the moving parts of the wheelchair, before occupying or operating wheelchair.



adjust hand control extension—
change sides

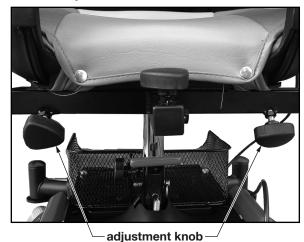


adjust hand control extension—change sides, turn bracket around

Adjust arm space from seat frame (width between arms)

Arm space from wheelchair is adjustable by changing the position of the lower arm tube in the seat tube. Both arms are independently adjustable.

- 1. Turn adjustment knob to free lower arm tube to move inside seat tube (see picture at right).
- 2. Slide lower arm tube to desired position inside seat tube.
- 3. Turn knob to secure lower arm tube inside seat tube. Ensure that knob is tightened enough to hold lower arm tube firmly in place.



adjust width between arms (rear view of wheelchair)

- 4. Perform steps 1-3 for other arm.
- 5. Ensure that both arms are mounted at the same distance from seat frame.
- \triangle WARNING: Ensure that lower arm tubes are locked in place before occupying or operating wheelchair.

SEAT

Remove seat

- 1. Engage the drive wheels (with the drive engagement levers) and turn wheelchair power off.
- 2. Disconnect the hand control connector from the cowl connector, as shown at right.



3. Pull the seat rotate lever while lifting the seat up and off the base to remove it, as shown at right.



Install seat

- 1. Pull the seat rotate lever while placing the seat on the base frame. Ensure that seat is securely installed before continuing.
- 2. Connect the hand control connector to the cowl connector.
- \triangle WARNING: Ensure that seat is securely installed before occupying or operating wheelchair.

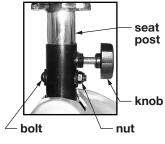
Adjust seat height

Tools needed: M5 hex key, M13 wrench

- 1. Remove seat: follow steps 1-3 in preceding **Re**move seat section.
- 2. Loosen knob to free seat post.
- 3. Use M5 hex key and M13 wrench to remove nut and bolt that secure seat post.
- 4. Move seat post to desired position.
- 5. Reinstall hardware. Use M5 hex key and M13 wrench to tighten.

wheelchair.





adjust seat height

Rotate seat for accessibility

The Everest Lite seat can be rotated to access otherwise inaccessible places (counters, tables). To rotate seat:

- 1. Engage the drive wheels (with the drive engagement levers) and turn wheelchair power off.
- 2. Pull the seat rotate lever (located below seat front) while rotating the seat to desired position.
- 3. To rotate the seat back into driving position: pull the seat rotate lever (located below seat front) while rotating the seat to desired position.

WARNING: Ensure that seat is facing frontward and locked in place before operating wheelchair.

FOOTBOARD

 \triangle WARNING: Ensure that the lowest point on the footboard clears the ground safely during ascent or descent.

Flip footboard up

To flip up the footboard, grasp front of footboard and rotate upward.

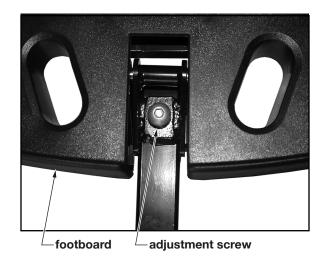
Adjust footboard angle (see picture at right) Tools needed: M5 hex key

Angle front of fooboard upward

To angle the front of the footboard upward, use the M5 hex key to turn the socket head cap screw clockwise.

Angle front of footboard downward

To angle the front of the footboard downward, use the M5 hex key to turn the socket head cap screw counter-clockwise.



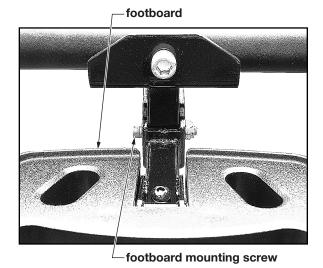
adjust footboard angle

Adjust footboard height

Tools needed: M6 hex key, M13 wrench

Footboard height is adjustable to three positions (see picture at right).

- 1. Use M5 hex key and M13 wrench to remove nut and bolt that mount footboard; remove footboard.
- 2. Install footboard at desired height.
- 5. Install nut and bolt that mount footboard. Use M5 hex key and M13 wrench to tighten.



adjust footboard height

VII BATTERIES

Batteries are of critical importance, require attention and maintenance, and will require periodic replacement. As batteries age, their ability to hold a charge decreases. Old batteries discharge much more quickly than new batteries under the same driving conditions. This results in a decrease in the distance the wheelchair can travel before batteries need to be charged. This decrease is often misinterpreted as a problem with the wheelchair system, when in fact the batteries have simply reached the end of their useful lives and should be replaced. Properly maintained batteries can be expected to last approximately 9 to 18 months. The purpose of proper maintenance is to extend that life as much as possible, and to minimize the incidence of unsatisfactory wheelchair performance.

The Everest Lite uses two 12V 12AH deep cycle, sealed case batteries.

▲ Caution: Use only deep cycle, sealed case construction batteries in this device.

⚠ WARNING: Batteries contain sulfuric acid, which can burn eyes, skin, clothes, etc.

Use caution! Always wear safety glasses when working with batteries. If contact occurs, flush immediately with water and get medical attention.

GUIDELINES TO EXTENDING BATTERY LIFE

- Give the batteries a full charge before using them for the first time.
- Limit use of new batteries for the first ten charge/discharge cycles—avoid deeply discharging the batteries. New batteries are not capable of their rated output until they have been discharged a number of times.
- Recharge batteries after every discharge. Discharging batteries deeply before recharging them will shorten battery life. Do not leave partially discharged batteries idle for several days; charge them as soon as possible after discharging.
- Charge batteries fully each time before using. Allow the charger to finish its charge cycle once started. This will help prevent deeply discharging the batteries. Unlike some rechargeable batteries, the batteries used on wheelchairs do not exhibit a significant "memory effect"—they will recharge to their full capacity, even if only partially discharged before each charge.
- If you must store your wheelchair for a long period of time, charge the batteries weekly.
- Perform regular maintenance on the batteries. See maintenance schedule in Section VIII, MAINTENANCE, for recommended regularity.

BATTERY CHARGER

Always use the battery charger included with your Everest Lite to charge your batteries. Please read this entire section, including SAFETY—CHARGING THE BATTERIES, before charging your batteries.

ucts. Battery chargers not supplied by Graham-Field could damage the controller and the battery charger. Electrical arcing could result, which could cause severe personal injury, explosion, and fire.

BATTERY CHARGER FEATURES

Output cable and connector

The output connector plugs into the battery charger receptacle on the underside of the hand control (or the rear of the battery pack, if battery pack is removed from wheelchair) to charge the batteries.

AC connector

The AC connector plugs into the power outlet to charge the batteries.

Charge indicator LED (orange or green)

The charge indicator LED illuminates orange while batteries are charging, then illuminates green when they are fully charged.

SAFETY—CHARGING THE BATTERIES

 \triangle WARNING: Do not use a household extension cord if the charger plug does not reach the 115 volt outlet. Use of an improper extension cord could result in fire and electric shock. If an extension cord must be used, use a three conductor No. 16 AWG (or heavier) cord with ground, properly wired, in good electrical condition, and keep it as short as possible.

riangle WARNING: Do not use cords that are damaged or defective. Use of a damaged or defective cord could result in fire or electric shock.

 \triangle WARNING: Locate all battery charger cords so that they will not be stepped on, tripped over, or otherwise subjected to damage or stress.

 \triangle WARNING: To prevent electrical shock, do not touch uninsulated parts of the battery charger output connector, battery connectors, or battery terminals. Ensure that all electrical connectors are in good working condition. Do not use connectors that are cracked, corroded, or do not make adequate electrical contact. Use of a damaged or defective connector could result in fire or electric shock.

 \triangle WARNING: Ensure that the area around battery charger and batteries is well ventilated while batteries are being charged. Do not allow clothing, blankets, or other material to cover battery charger. Do not place battery charger under a bed.

 \triangle WARNING: Keep sparks, flame, and smoking materials away from batteries. No smoking!

 \triangle WARNING: Battery chargers can ignite flammable materials and vapors. Do not use near fuels, grain dust, solvents, thinners, or other flammables.

⚠ WARNING: Batteries generate gases which can be explosive. To prevent arcing or burning near batteries, do not disconnect battery charger output connector from wheelchair battery charger receptacle when battery charger is operating. If the charge cycle must be interrupted, disconnect the battery charger AC connector from the power outlet, and then disconnect the battery charger output connector from the wheelchair battery charger receptacle.

⚠ WARNING: To avoid damage to any of the battery charger connectors and their cords, disconnect by grasping the plug body and pulling it straight out of the outlet or receptacle. DO NOT pull on the cord. DO NOT twist, rock or pull the connector sideways.

Charging the batteries

Note: Before charging the batteries, read the rest of this manual, especially the Battery Charger section.

Note: As a safety feature, the wheelchair is inoperable during charging.

- 1. Ensure that wheelchair power is OFF and battery charger AC connector is not plugged into power outlet.
- 2. Connect battery charger output connector to receptacle on bottom of hand control.
- 3. North America: Plug the battery charger AC connector into a properly grounded, 115 volt, 60 cycle single phase power outlet.
- 4. The charge indicator LED illuminates orange while batteries are charging, then illuminates green when they are fully charged. Allow adequate time to bring the batteries up to a full charge—the actual time required to recharge the batteries will depend on discharge condition. The charger supplied with the wheelchair is automatic, and will not damage the batteries if left connected after batteries are fully charged.
- 5. When charge indicator LED illuminates green, indicating that batteries are fully charged, disconnect the battery charger AC connector from the power outlet.
- 6. Remove battery charger output connector from hand control receptacle.

Note: If you experience a problem with your battery charger, please see Troubleshooting, battery charger in the TROUBLESHOOTING section

REMOVE AND INSTALL BATTERIES

⚠ WARNING: Batteries can supply a large amount of current. Do not wear jewelry or watches when working on batteries. Take care not to connect the terminals accidentally with anything metal; severe burns could result.

Remove batteries

Tools needed: Phillips screwdriver

You will first remove the seat, and then the battery pack.

riangle WARNING: Ensure that wheelchair power is off before removing batteries.

- 1. Engage the drive wheels (with the drive engagement levers) and turn wheelchair power off.
- 2. Disconnect the hand control connector from the cowl connector, as shown at right.



3. Pull the seat rotation lever while lifting the seat up and off the base to remove it, as shown at right.



4. Remove the battery pack, as shown at right, and turn it upside down (with handle/strap on bottom).



5. Use a Phillips screwdriver to open the battery pack, as shown at right.



- 6. Disconnect the cables from the four battery terminals, as shown at right.
- 7. Remove the batteries from the battery pack.



Install batteries

Tools needed: Phillips screwdriver

- 1. Place batteries inside battery pack.
- 2. Connect red cable to positive (+) battery terminal and black cable to negative (-) battery terminal on the other battery, as shown at right.
- 3. Connect battery cable to both batteries at free positive and negative terminal as specified in step 2.
- 4. Ensure that all wires are connected as specified in previous steps. Ensure that all connections are secure.
- 5. To retard corrosion, coat battery posts and terminals with petroleum jelly after all connections are made.
- 6. Use a Phillips screwdriver to close the battery pack as shown at right; turn it right side up (with handle/strap on top).





- 7. Replace the battery pack in the wheelchair as shown at right.
- ▲ Caution: When installing the battery pack, press the strap all the way down.
- 8. Pull the seat rotate lever while placing the seat on the base frame, as shown at right. Ensure that seat is securely installed before continuing.
- 9. Connect the hand control connector to the cowl connector, as shown at right.
- 10. Do not attempt to operate wheelchair until batteries are fully charged and installed as instructed here.
- riangle WARNING: Ensure that batteries and seat are installed as described before operating wheelchair.







riangle WARNING: Ensure that all cables are away from the moving parts of the wheelchair.

REGULAR BATTERY MAINTENANCE

⚠ WARNING: Batteries can supply a large amount of current. Do not wear jewelry or watches when working on batteries. Take care not to connect the termi-

nals accidentally with anything metal; severe burns could result.

riangle WARNING: Batteries contain sulfuric acid, which can burn eyes, skin, clothes, etc.

Use caution! Always wear safety glasses when working with batteries. If contact occurs, flush immediately with water and get medical attention.

Clean batteries

Needed: baking soda

- 1. You will first need to remove the batteries; see Remove batteries in previous REMOVE AND INSTALL BATTERIES section—follow steps 1-7.
- 2. Clean outside of batteries, and inside and outside of battery box, with a solution of one tablespoon baking soda to ten ounces water.
- 3. Rinse with clear water. Allow to dry.
- 4. Ensure that batteries and connectors are clean and dry. Reinstall batteries; see Install batteries in previous REMOVE AND INSTALL BATTERIES section—follow steps 1-10.

Clean battery terminals

Tools needed: wire brush or battery terminal cleaning tool

- 1. You will first need to remove the batteries; see Remove batteries in previous REMOVE AND INSTALL BATTERIES section—follow steps 1-7.
- 2. Clean all battery terminals and clamps with a wire brush or battery terminal cleaning tool (this can be purchased at most auto parts stores).
- 3. Reinstall batteries; see Install batteries in previous REMOVE AND INSTALL BATTER-IES section—follow steps 1-10.

VIII MAINTENANCE

Protect your Everest Lite by having it serviced regularly. Proper care and maintenance are essential to keep your wheelchair in safe working condition. Periodic inspection, adjustment, and replacement of worn parts will provide many years of superb performance. When you believe that a component or part of your Everest Lite is not functioning properly, contact your Graham-Field Health Products dealer immediately, as a potentially hazardous condition could result. Only excellent condition is acceptable where safety is concerned.

Service manual

There is no service manual for the Everest Lite. Please contact your Graham-Field Health Products dealer with service questions not answered by this manual.

Note: Graham-Field Health Products recommends that you have a qualified dealer perform a six month maintenance check, as the dealer may find and correct a problem which might otherwise go undetected and eventually cause more serious problems and/or personal injury.

Do-it-yourself maintenance

You can do many of the scheduled maintenance tasks yourself, if you have mechanical ability and a few basic tools. Refer to the maintenance schedule below for the recommended regularity of each procedure. If any maintenance procedure is not clear to you, ask your Graham-Field Health Products dealer for assistance.

MAINTENANCE SCHEDULE						
Procedure		Perform at least every				
	Day	Day Week 2 weeks month 3 months 6 months				
Charge batteries	✓					
Check joystick	✓					
Check cables & connections		1				
Check tire wear		1				
Check controller & park brakes		1				
Check anti-tippers		1				
Wipe off base and seat frame		1				
Check arms				1		
Check footboard				1		
Check & clean upholstery				✓		
Clean base and seat frame					✓	
Clean batteries					✓	
Check caster forks					1	
Clean battery terminals						✓
Inspect motor brushes						1
Check bearings						✓

▲ Caution: Improper maintenance can cause operating problems and may affect vour warranty.

placement parts could change the structure of the wheelchair, void the warranty, and create a hazardous condition resulting in serious personal iniury.

List of tools and supplies

The tools and cleaning supplies listed will assist in the procedures outlined in Section VIII.

Soft cloth Mild soap and water solution

General care

Always evaluate the overall operation of your wheelchair. It should function with ease and should travel straight without excessive drag or pull to one side.

Remember, your qualified Graham-Field Health Products dealer knows your wheelchair best when it comes to service and repairs. Contact your dealer with any questions or concerns regarding the safe operation and maintenance of your wheelchair. Regular maintenance is important for your safety and continued operation of your wheelchair.

Charge batteries

Charge the batteries daily. See Section VII, BATTERIES, Charging the batteries.

Check joystick

Check the hand control joystick daily. Turn wheelchair power off. Check that the joystick is not bent or damaged, and that it returns to center when you release it. If there is a problem, do not operate the wheelchair. Contact your dealer.

Check the rubber boot around the base of the joystick for damage or splitting. A visual check is sufficient—do not handle the boot. If there is a problem, contact your dealer.

There are no serviceable parts in the hand control. If you have problems with this component, see Section IX, TROUBLESHOOTING; if you are unable to resolve them, contact your Graham-Field Health Products dealer.

Check tires

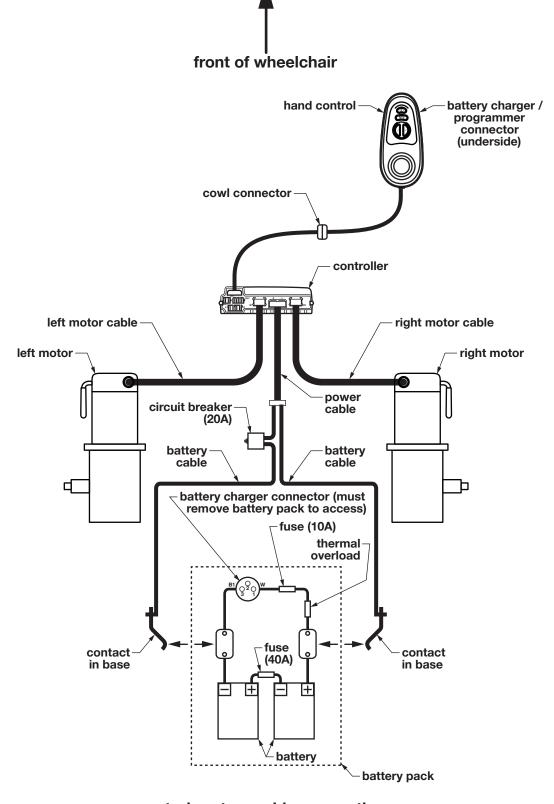
Examine tires at least once a week for surface wear and cracks and replace them as needed. Tires should be replaced when they become loose on the rims or cracks appear.

Check anti-tippers

Check the anti-tippers at least once a week. Ensure that all parts of the anti-tippers are securely fastened.

Check cables and connections

Inspect all control system plug connectors visually at least once a week to be sure that they are securely fastened. See the illustration below for orientation.



control system cable connections

Check controller & park brakes

Perform the following at least once a week. It should be carried out on a level floor in a quiet area with at least one meter (40 inches) of clear space around the wheelchair.

Turn wheelchair power on. Check that after one second the power indicator lights remain on. Push the joystick slowly forward until you hear the brakes release. The wheelchair may start to move. Immediately release the joystick—you must be able to hear the park brakes operate within a few seconds. Repeat the test three times, pushing the joystick in reverse, left and right, respectively. If there is a problem, do not operate the wheelchair. Contact your dealer. There are no serviceable parts in the controller. If you have problems with this component, see Section IX, TROUBLESHOOTING; if you are unable to resolve them, contact your Graham-Field Health Products dealer.

Repairs of the electromechanical park brakes, which keep your Everest Lite from rolling when stopped, should only be performed by an Graham-Field Health Products dealer.

Clean frame

Needed: soft cloth, mild soap and water solution

Wipe off base and seat frame frequently, at least once a week, using a soft cloth. Dry the wheelchair immediately if exposed to moisture. Clean frame every three months with a mild soap and water solution. The frame does not need to be waxed. Do not use solvents, abrasive waxes, caustic chemicals or spray silicone. Never use abrasive cleansers; they could scratch the finish. Never use steam or high pressure cleaners.

Check & clean upholstery

Needed: soft cloth, mild soap and water solution

Check back and seat upholstery material at least once a month. Inspect for rips, tears, sagging, and worn spots.

Clean back and seat upholstery material at least once a month with a soft cloth and a mild soap and water solution.

Check arms

Check arms at least once a month. Inspect for sharp edges or cracks which could weaken the armrest. Ensure that all attaching hardware is present and tight.

Check footboard

Check footboard at least once a month. Inspect the mounting hardware to confirm that all fasteners are secure so that footboard will not accidentally slip. Check for cracks, burrs or sharp edges.

Check caster forks

Check the caster stems/forks for proper rotation at least every three months. The caster forks must swivel freely to facilitate steering and handling. Adjusting the stem nut varies the amount of force required to turn the caster. If the nut is too loose, the caster will flutter or shimmy; if the nut is too tight, the wheelchair will be difficult to steer. If the caster requires adjustment, or the caster stem bearing requires replacement, visit a qualified Graham-Field Health Products dealer. Ensure that stems are firmly attached to forks, and that forks and stems are not bent. Evaluate all threads, locking nuts and bearings.

Clean Batteries

Perform this at least every three months. See Section VII, BATTERIES, REGULAR BATTERY MAINTENANCE, Clean batteries, for this procedure.

Clean battery terminals

Clean battery terminals at least every six months. See Section VII, BATTERIES, REGULAR BATTERY MAINTENANCE, Clean battery terminals, for this procedure.

Inspect motor brushes

The motor brushes should be inspected for wear every six months and replaced as needed. This should be performed by a Graham-Field Health Products dealer.

- ▲ Caution: Badly worn brushes can result in damage to the motors or controller.
- ▲ Caution: After replacing the brushes, run the wheelchair gently for the first few miles to allow the brushes to seat properly.

Check bearings

The Everest Lite has bearings only in the caster wheels, not in the drive wheels. Always be alert for unusual noises in the bearings or excessive caster wobble. These signs indicate that the bearings are becoming worn and may require replacement. The caster bearings should be inspected every six months and replaced as needed. This should be performed by a Graham-Field Health Products dealer.

IX TROUBLESHOOTING

SERIAL NUMBER LOCATIONS

Several components of your power wheelchair have been assigned serial numbers at the factory. There may be times when you will need to provide a serial number; for example, if you order replacement parts. The following pictures are provided to help you find the serial number labels.

Base frame

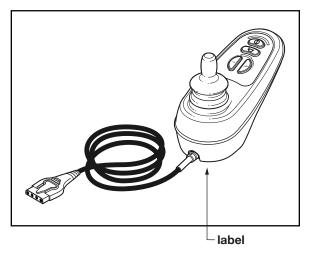
The base frame serial number label is located on the right frame, at the front top of the drive wheel, as shown.



serial number, base

Hand control

The hand control serial number label is located on the underside of the hand control, as shown at right. You must remove the hand control from its mounting bracket to see this serial number label. Please note that the hand control has an additional serial number label on the side, which is not intended to be permanent; you may remove it.



serial number, hand control

GENERAL TROUBLESHOOTING

Continual use of your Everest Lite necessitates maintenance, especially if the factory-set adjustments have been altered. If you are unsure of the solution or unable to diagnose the problem, do not hesitate to ask your Graham-Field Health Products dealer for assistance. Most power drive problems are battery related. As batteries age, their ability to hold a charge decreases. Older batteries discharge much more quickly than new batteries under the same driving conditions. This results in a decrease in the distance the wheelchair can travel before batteries need to be charged. This decrease is often misinterpreted as a problem with the wheelchair system, when in fact the batteries have simply reached the end of their useful lives and should be replaced. Sometimes expensive components are unnecessarily replaced when the batteries are the real problem. If an electrical problem exists, check the following:

BATTERIES

Make sure the batteries are fully charged. Have your Graham-Field dealer test battery state-of-charge if necessary. Keep the posts and terminals clean and tight.

CIRCUIT BREAKER

Your Everest Lite is equipped with a circuit breaker to protect the electrical circuits from overload. It is located in the left rear cowl. In the event of an overload, the circuit breaker button will pop out. To reset the circuit breaker, push the button in.

Note: If you experience a problem with your wheelchair and are unable to service it your-self, contact the dealer from whom you purchased the wheelchair. If the dealer is unable to help you, contact Graham-Field Health Products Customer Service Department at the phone number on the back of this manual.

Note: Use only Everest & Jennings® replacement parts. Contact your dealer to order replacement parts. An Everest Lite parts catalog is available at www.grahamfield.com to assist in the ordering of parts.

▲ Caution:: A complete inspection of your wheelchair, including maintenance, servicing and safety checks, should be handled by a Graham-Field Health Products dealer at least once a year.

⚠ WARNING: Unauthorized modification or the use of non-Everest & Jennings® replacement parts could change the structure of the wheelchair, void the warranty, and create a hazardous condition, which could result in serious personal injury.

TROUBLESHOOTING: CONTROLLER

A general diagnostic guide is first, followed by the battery indicator diagnostic guide. Use the general diagnostic guide first; if you are unable to solve your problem, use the battery indicator diagnostic guide.

riangle WARNING: If problems or fault indicators persist, do not attempt to operate the wheelchair. Operation of the wheelchair could be unsafe. Contact the dealer from whom you purchased the wheelchair. If the dealer is unable to help you, contact Everest & Jennings' Customer Service Department at the number on the back of this manual for a list of qualified Graham-Field Health Products dealers in your area.

GENERAL DIAGNOSTIC GUIDE

SYMPTOM	BATTERY INDICATOR LIGHTS	POSSIBLE CAUSE	CORRECTIVE ACTION	
Wheelchair	Off	System off	Turn ON/OFF button switch ON	
won't drive		Batteries not connected	Connect batteries	
		Batteries not connected properly, or polarity reversed	Correct Connections	
		Circuit breaker open	Reset circuit breaker	
		Batteries severely discharged	Recharge / replace batteries	
	Rapid flash (even with joystick	Control system fault	The Controller safety circuits have operated and the Controller has been prevented from moving the wheelchair. This indicates that there is a fault. Please follow this procedure:	
	released)		1. Switch off the control system.	
			Ensure that all Controller and wheelchair connectors are securely mated.	
			3. Check battery condition.	
			If you can't find the problem, try using the following Battery indicator diagnostic guide.	
			Turn the Controller on again and try to drive the wheelchair. If the fault lights flash again, do not try to use the wheelchair; see your dealer.	
Wheelchair drives	On, steady	All is well	None	
	Slow flash	Low batteries	Controller is functioning correctly but you should charge the batteries as soon as possible.	
Wheelchair drives, but movement is sluggish	On	Speed control or nonhazardous fault	If the wheelchair does not travel at full speed or does not respond quickly enough, and battery condition is good, check speed control setting. If adjusting the speed control does not remedy the problem, there may be a nonhazardous fault. Call your dealer.	
		Speed and response have been programmed slow	Reprogram to desired performance	

BATTERY INDICATOR DIAGNOSTIC GUIDE

Battery indicator control system status display

The battery indicator also provides a control system status display. Use the picture at left below to identify the display (the number of lights illuminated), then see the fault, if any, and status / appropriate action at the picture's right.

THE WHEELCHAIR WILL BE OPERABLE WHEN THE FOLLOWING FAULTS OCCUR.

battery level indicator status guide table	SYSTEM FAULT	CHECK / ACTION
red, yellow, & green lights illuminate	None	Batteries charged; control system OK.
red &yellow lights illuminate	None	Charge batteries if possible; control system OK.
red lights only illuminate or flash slowly	None	Low batteries; control system OK. Charge batteries!!!
red, yellow, & green lights step up & down	Possible joystick fault	Joystick out of neutral—leave joystick in neutral while turning wheelchair power on. Operate joystick to make sure it returns to neutral. Turn ON/OFF button off and ON to reset.

Battery indicator control system fault display

The battery indicator also provides a diagnostic display. When a control system fault occurs, a set of lights will flash. Use the picture at left below to identify the fault code (the number of lights flashing), then see the system fault and appropriate action at the picture's right.

THE FOLLOWING SYSTEM FAULTS WILL PREVENT THE WHEELCHAIR FROM DRIVING.

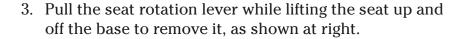
battery level indicator control system fault diagnostic guide table	SYSTEM FAULT	CHECK / ACTION
1 light flashing rapidly	Low battery voltage	The battery needs charging or there is a bad connection to the batteries. Check the connections to the batteries and the controller power connector. If the connections are good, try charging the battery.
2 lights flashing rapidly	Left motor disconnected	The left motor has a bad connection. Ensure that the motor is connected properly and the controller connectors are secure. If problem persists, see dealer. (Check motor brushes)
3 lights flashing rapidly	Left motor wiring fault	The left motor has a short circuit to a battery connection. See dealer. (Check motor brushes)
4 lights flashing rapidly	Right motor disconnected	The right motor has a bad connection. Ensure that the motor is connected properly and the controller connectors are secure. If problem persists, see dealer.
5 lights flashing rapidly	Right motor wiring fault	The right motor has a short circuit to a battery connection. See dealer.
6 lights flashing rapidly	Inhibit active	The battery charger is preventing the controller from driving the wheelchair. Disconnect charger from wheelchair.
7 lights flashing rapidly	Possible joystick fault	A joystick fault is indicated. Ensure that joystick is in neutral before turning ON/OFF switch on.
8 lights flashing rapidly	Possible controller fault	A controller fault is indicated. Ensure that all Controller connections are secure. If problem persists, see dealer.
9 lights flashing rapidly	Possible park brake fault	The park brakes have a bad connection. Check the park brake & motor connections. Ensure that controller connections are secure. If problem persists, call dealer.
10 lights flashing rapidly	Excessive voltage	This is usually caused by a poor battery connection. Check the controller and battery connections.
7 lights + S flashing rapidly	Communication fault	A communication fault is indicated. Ensure that hand control cable is securely connected and not damaged.

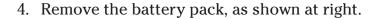
X TRANSPORTING THE EVEREST LITE

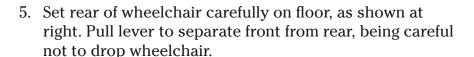
riangle WARNING: This wheelchair does not offer seating or occupant restraint equivalent to the seat provided in a motor vehicle! To increase your safety while traveling in a motor vehicle, always transfer to the vehicle seat and use the restraint provided by the vehicle manufacturer.

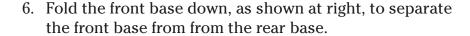
The unoccupied Everest Lite can be disassembled into four pieces for transport (seat, battery pack, rear base, and front base).

- 1. Engage the drive wheels (with the drive engagement levers) and turn wheelchair power off.
- 2. Disconnect the hand control connector from the cowl connector, as shown at right.



















Reassembly

1. Set rear base of wheelchair carefully on floor, as shown at right. Assemble front base to rear base as shown.



2. Fold the front base up, as shown at right, and pull lever to connect front base to rear base.



3. Install the battery pack, as shown at right.



4. Pull the seat rotation lever while installing the seat on the base to lock it in place, as shown at right. Ensure that seat is securely installed before continuing.



5. Connect the hand control connector to the cowl connector, as shown at right.



 \triangle WARNING: Ensure that all components are installed as described before operating wheelchair, and that all cables are away from the moving parts of the wheelchair.

XI LIMITED WARRANTY

This warranty has been drafted to comply with the U.S. Federal Law applicable to products manufactured after July 4, 1975. This warranty is extended only to the original purchaser/consumer or dealer/non-consumer and to no other purchaser or transferee. GF Health Products, Inc. warrants the Everest Lite against manufacturing defects in materials and workmanship as listed below:

	WARR	ANTY P	ERIODS
EVEREST LITE POWER WHEELCHAIR	6 mo.	1 yr.	Lifetime * of Wheelchair
a) Base frame			√
b) Motors, controller, hand control, cables		√	
 Upholstered components, plastic parts, painted surfaces, rubber parts, bearings, front rigging, forks and any other parts not specifically identified above (all models). 			
BATTERY CHARGERS		√	
REPLACEMENT PARTS **	3 mo.		6 mo.
a) Sideframe, mainframe, crossbraces, cross strutsb) New—motors, actuators, control module, hand control			
c) Remanufactured—motors, actuators, control module, hand control	√		•••••

- * The average life expectancy of a wheelchair under normal everyday use is approximately five (5) years.
- ** The warranty period is as designated above. If a part is replaced under warranty, the original warranty period will not be affected. All other replacement parts will be subjected to the warranty period specified.

The Warranty period for the consumer commences on the first date a product is delivered to consumer by seller/dealer. If the product is rented or leased, the warranty period commences on the invoice date from GF Health Products, Inc. A copy of the invoice showing date of purchase must be provided when submitting warranty claims. When proof of purchase date is not provided, warranty coverage shall commence upon GF Health Products, Inc.'s invoice date to the dealer/purchaser.

If within the warranty period, the product or component part is proven to GF Health Products, Inc.'s satisfaction to be defective, GF Health Products, Inc. shall provide, at its option, one of the following: (1) repair or replacement of any defective or nonconforming part or product or (2) a credit and/or refund of the original selling price made to GF Health Products, Inc.'s initial customer on a prorated or depreciated basis. GF HEALTH PRODUCTS, INC.'S SOLE OBLIGATION AND YOUR EXCLUSIVE REMEDY UNDER THIS WARRANTY SHALL BE LIMITED TO SUCH REPAIR, REPLACEMENT, CREDIT AND/OR REFUND. This warranty does not include any labor charges incurred in replacement part(s) installation or any associated freight or shipping charges to the manufacturer.

LIMITATIONS AND EXCLUSIONS: The foregoing warranty shall not apply to serial numbered products if the serial number has been removed or defaced. Products subjected to negligence, abuse, misuse, improper operation, improper maintenance, improper cleaning, improper storage, or damages beyond GF Health Products, Inc.'s control are not cov-

ered by this warranty, and that evaluation shall be solely determined by GF Health Products, Inc. This warranty shall not apply to problems arising from normal wear and tear or failure to follow instructions. The warranty shall also not apply to products modified without GF Health Products, Inc.'s express written consent; nor shall it apply if parts not manufactured by GF Health Products, Inc., or if parts not complying with original equipment specifications are added to GF Health Products, Inc. products, or if the product or part is serviced by an entity not authorized by GF Health Products, Inc.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND SHALL NOT EXTEND BEYOND THE DURATION OF THE EXPRESS WARRANTY PROVIDED HEREIN, AND THE REMEDY FOR VIOLATIONS OF ANY IMPLIED WARRANTY SHALL BE LIMITED TO THE REPAIR, REPLACEMENT, CREDIT AND/OR REFUND OF THE DEFECTIVE PRODUCT OR PART PURSUANT TO THE TERMS CONTAINED HEREIN. GF HEALTH PRODUCTS, INC. SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state (province to province). Some states (provinces) do not allow the exclusion or limitation of incidental or consequential damage, or limitation on how long an implied warranty lasts, so the above exclusion and limitations may not apply to you.

For warranty service, please contact the authorized dealer from whom you acquired your GF Health Products, Inc. product. In the event you do not receive satisfactory warranty service, please contact GF Health Products, Inc. at the address on the back cover. Do not return products to our factory without prior authorization. This warranty contains the entire agreement between the parties and supersedes any prior, contrary or additional representations or understandings, whether oral or written, concerning our warranty policy.

XII INDEX

A	J
Adjustments 17	Joystick, check 30
Anti-tippers, check 30	L
Arm, adjustments 17	Limited warranty 41
Arms, check 32	M
Arm space from seat frame (width between arms),	Maintenance 29
adjust 19	Maintenance schedule 29
В	Maximum weight capacity 3
Balance 10	Motor brushes, inspect 33
Batteries 23	N
Batteries, charging 25	Note, significance 4
Batteries, clean 28	9
Batteries, install 27	Operating instructions 15
Batteries, remove 26	P
Battery charger 24	Park brakes, check 32
Battery charger status display 37	•
Battery life, extending, guidelines 23	Power drive system 12
Battery maintenance, regular 28	R
Battery range 12	Ramps and Inclines 11
Battery terminals, clean 28	Reaching / bending 10
Bearings, check 33	Reassembly of Everest Lite after transport 40
C	\$
Cable connections, control system, orientation 31	Safety, charging the batteries 24
Cables and connections, check 31	Safety precautions 5
Caster forks, check 32	Seat, adjustments 20
Caution, significance 4	Seat, install 20
Circuit breaker, location 14	Seat, remove 20
Controller 13	Seat, rotate for accessibility 21
Controller, check 32	Seat height, adjust 20
Controller diagnostic guide, general 36	Serial number location 34
Control system, lock and unlock (to prevent wheel-	Sleep mode, controller 13
chair from being driven) 15	Т
Curbs and steps 11	Tires, check 30
E	Tools, adjustment, list 17
Electromagnetic interference 8	Tools, maintenance, list 30
EMI warnings 9	Transfer activities 10
F	Transporting the Everest Lite 39
Footboard, adjust angle 22	Troubleshooting 34
Footboard, adjust height 22	Troubleshooting, controller 36
Footboard, adjustments 22	Troubleshooting, general 35
Footboard, check 32	U
Footboard, flip up 22	Upholstery, check & clean 32
Frame, clean 32	W
G	Warning, significance 4
General care, maintenance 30	Warnings 5
Getting started 12	Warranty, limited 41
-	
H Hand control 13	
Hand control extension, adjust, change sides 18	
Hand control extension, adjust backward and forward	
riana control extension, adjust backward and follward	

17 Handling tips 10

Introduction 3



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