

Alanté Jr.
BY GOLDEN

Owner's Manual



Alante Jr.
**Rear-Wheel Drive Power Chair
Model GP 200**



YOUR LIFE IN MOTION

401 Bridge Street, Old Forge, PA 18518
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www.goldentech.com

FOR YOUR RECORDS

Please fill in your *Alante Jr.*[™] information below. This information will be useful in the event that you ever need to contact Golden Technologies, Inc. concerning your power chair.

Your *Alante Jr.*[™]

Model _____

Serial Number _____

Date of Purchase _____

Body Color _____

Options _____

Your Golden representative or dealer

Name _____

Company _____

Address _____

Please remember to fill in and return your warranty registration card.

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INTRODUCTION

Congratulations on the purchase of your new Golden Alante Jr™ power chair! The Alante Jr. combines cutting edge technology with attractive designs that are also highly functional in today's world. We at Golden Technologies know that you have chosen a power chair that will give you years of dependable operation and will also enhance the quality of your life by providing you with the mobility to experience a more active daily lifestyle.

Please read, understand and follow all of the instructions and suggestions in this manual before you operate your Alante Jr. for the first time. The safe use of your new power chair is very important and starts with you. Your new Alante Jr. is user-friendly and designed for maximum maneuverability in even the tightest spaces.

If you feel uncomfortable with your new Alante Jr. or do not understand the instructions presented in this owner's manual, or if, for any reason, you do not feel capable of performing the activities necessary to assemble, disassemble, operate, or maintain your Alante Jr., please contact the home health care dealer you purchased this power chair from or contact:

Golden Technologies technical support services at 800-624-6374.

DISCLAIMER

Golden Technologies, Inc. is not and cannot be held responsible for any damage or injury incurred due to improper or unsafe use of the Golden Alante Jr™ Power Chair. Golden Technologies, Inc. specifically disclaims responsibility for any bodily injury or property damage that may occur during any use that does not comply with applicable federal, state, or local laws or ordinances.

Please fill out and mail the enclosed warranty registration card. We at Golden Technologies Inc, would appreciate hearing about your experience with your new Alante Jr. Power chair!

Please mail your warranty card to:

**Golden Technologies, Inc.
Warranty Registration Office
401 Bridge Street
Old Forge, PA 18518**

Stop by our website 24 hours a day!!!
www.goldentech.com

SAFETY

Your Golden *Alante Jr.*[™] is a battery-operated personal mobility vehicle. Please exercise caution and consideration when you are operating it. Driving your *Alante Jr.* carefully and thoughtfully will help ensure your personal safety and the safety of other people.

Note: Before learning to operate your Alante Jr., have your Golden Technologies, Inc. representative determine if it is advisable for you to practice getting on and off your Alante Jr. and operating it in the presence of an attendant.

BEFORE getting on your Alante Jr.

- Check to be certain that the power is turned OFF. See “Operation” section on pages 22-28. This will eliminate the possibility of accidentally activating the joystick and causing injury to you or to others.
- Check to be certain that your Alante Jr. is not in the freewheel mode. See the “Operation” section of pages 22-28.
- Flip up the armrests.
- If your chair is equipped with leg rests, move them to the sides.
- If your chair is equipped with a footrest, flip it to the “up” position.

Getting ON your Alante Jr.

- Be careful not to entangle yourself in the leg rests or the footrest, seat yourself comfortably and securely on the seat.
- Adjust the leg rests or flip down the footrest.
- Flip down or replace the armrests.
- Fasten the lap belt, if your chair is so equipped.

Getting OFF your Alante Jr.

- Make certain that the power is turned off.
- Unfasten the lap belt, if your chair is so equipped.
- Flip up the armrests.
- Flip up the footrest, or move the leg rests to the sides.
- While being careful not to entangle yourself in the leg rests or the footrest, carefully stand and step away from the chair.

MAXIMUM WEIGHT

Your Alante Jr. has been rated to a maximum payload (passenger and anything else being carried on the Alante Jr.) of 250 pounds. Exceeding the maximum weight rating will void the warranty.



WARNING

Exceeding the maximum weight rating may also result in injury to you and to others.

SAFETY Cont.

DRIVING ON AN INCLINE

- Drive with caution when attempting to negotiate any incline, even handicap access ramps.
- **Always** climb or descend a gradient by driving straight up or straight down the face of the slope.
- **Do not** traverse or drive across the face of a gradient.
- **Do not** attempt to negotiate an incline that is covered with snow, ice, cut or wet grass, leaves, or any other potentially hazardous material.
- **Do not** back down an incline.
- Try to keep your Alante Jr. moving when climbing an incline. If you do come to a stop, restart and accelerate slowly and carefully.
- **Do not** try to descend or climb a slope whose gradient is greater than recommended. See “Specifications” section.



WARNING

IF, WHILE YOU ARE DRIVING DOWN A SLOPE, YOUR POWER CHAIR STARTS TO MOVE FASTER THAN YOU FEEL IS SAFE, RELEASE THE JOYSTICK LEVER AND ALLOW YOUR ALANTE JR. TO COME TO A STOP. WHEN YOU FEEL THAT YOU AGAIN HAVE CONTROL OF YOUR POWER CHAIR, PUSH THE JOYSTICK LEVER FORWARD AND CONTINUE SAFELY DOWN THE REMAINDER OF THE SLOPE.

DRIVING DOWN AN INCLINE

- **Always** drive forward down any ramp, low rise, or incline.

Golden Technologies, Inc. does not recommend that you drive your power chair in reverse down any incline, ramp, curb, or low rise. Backing down any slope may create a very hazardous situation.

SAFETY Cont.

RULES FOR USE AND OTHER SAFETY CONSIDERATIONS

MEDICATION

Always check with your physician to determine if any of the medications you are taking may affect your judgment and/or your ability to operate your *Alante Jr.*[™]. Also check with your physician concerning your physical ability to operate a power chair.



WARNING

DO NOT CONNECT OR ALLOW ANYONE EXCEPT AN AUTHORIZED GOLDEN TECHNOLOGIES REPRESENTATIVE TO CONNECT ANY ELECTRICAL OR MECHANICAL DEVICE TO YOUR ALANTE JR. UNAUTHORIZED ACCESSORIES WILL VOID THE WARRANTY AND MAY CAUSE INJURY.

Note: Please remember that while on your Golden *Alante Jr.*, you are a motorized pedestrian. You must observe and obey all pedestrian rules and regulations for the locale in which you are riding.



WARNING

TURNING TOO SHARPLY AROUND A CORNER CAN CAUSE THE POWER CHAIR TO TIP. AVOID THIS DANGER AT ALL TIMES BY STEERING A WIDE ARC AROUND CORNERS AND OBSTACLES. ALSO, TO AVOID THE RISK OF TIPPING, REDUCE SPEED BEFORE NEGOTIATING ANY TURNS.



WARNING

For emergency stopping, switch the power OFF – power chair will stop.

Please use your Golden *Alante Jr.* power chair often and allow it to expand the horizons of your daily life. But as with all things, especially motor operated vehicles, observing a few rules and safety considerations will help ensure safe power chair operation. So please follow the rules on the following page.

SAFETY RULES

- **Do not** attempt to use your *Alante Jr.* on an escalator. Always use an elevator.
- **Do not** carry passengers on your power chair.
- **Do not** operate your *Alante Jr.* if it is not functioning properly.
- Use caution when driving on soft or uneven surfaces such as grass, gravel and on decks where there is no railing.
- **Never** drive on the roadway, except when you must cross the street.
- Cross streets at intersections and use the most direct route, making sure that your path is clear and that you are visible to motor traffic.
- It is not recommended to drive your *Alante Jr.* up or down a step or curb that is higher than 1-1/2 inches.
- **Never** back up or down a step or curb.
- **Never** operate your *Alante Jr.* while you are under the influence of alcohol.
- **Do not** operate or store your power chair where it will be exposed to rain, snow, mist and below-freezing temperatures.
- **Do not** operate your power chair on slippery, icy or salted surfaces.
- **Never** sit on your power chair when it is in freewheel mode and on an incline or decline.

SAFETY RULES Cont.

- **Never** place your power chair into freewheel mode without a trained assistant present.
- **Do not** modify your power chair in any way that is not authorized by Golden Technologies, Inc.
- **Do not** disassemble the tire. If disassembly is required, have your authorized Golden Technologies dealer perform any necessary maintenance or repair.
- **Do not** attempt to inflate the tires of your *Alante Jr.* Your power chair is equipped with foam-filled flat free tires that do not require inflation.



Alante Jr. GP200 (Candy Apple Red Body Color)

EMI / RFI

The rapid development of electronics, especially in the area of communications, has saturated our environment with electromagnetic (radio) waves that are emitted by television transmitters, cellular phones, citizen's band radios (CBs) amateur radios (HAM radios), wireless computer links, microwave transmitters, paging transmitters, etc. These electromagnetic (EM) waves are invisible and increase in strength the closer one gets to the source of transmission. When these energy waves act upon electrical devices and cause them to malfunction or to function in an erratic or uncontrolled manner, they are referred to as Electromagnetic Interference (EMI) or Radio Frequency Interference (RFI).

EMI / RFI AND YOUR ALANTE JR.™

All electrically powered vehicles, including power chairs are susceptible to EMI / RFI. This interference could result in abnormal or unintended movement of your Golden *Alante Jr.*

The FDA has determined that each make and model of power chair can resist EMI/RFI to a certain level. The higher the level of immunity, the greater the degree of protection from EMI/RFI measured in volts per meter (V/m). The FDA has also determined that current technology is capable of providing 20 V/m of immunity to EMI/RFI, which would provide useful protection against common sources of interference.

Based on that determination, the FDA has written to the manufacturers of power wheel-chairs and asked them to test their new products to be certain that they provide a reasonable degree of immunity to EMI/RFI. The FDA suggests that power chairs should have an immunity level of 20 V/m. The immunity level of the Golden *Alante Jr.* has been tested and has an immunity level of 20 V/m without accessories connected to it.

EMI / RFI RECOMMENDATIONS

- Do not turn on or use hand-held personal electronic communication devices such as cellular phones, walkie-talkies, or CB radios while your power chair is turned on.
- Be aware of any nearby transmitters (radio, television, microwave, etc.) on your intended route and avoid operation your of power chair close to any of those transmitters.
- Turn off the power if your *Alante Jr.* is going to be in a stationary position for any length of time.
- Be aware that adding accessories or components or modifying your power chair may make it more susceptible to EMI / RFI.
- If unintended movement or brake release occurs, turn your power chair off as soon as it is safe to do so.
- Report all incidents of unintended movement or brake failure to your Golden Technologies representative or to Golden Technologies.



WARNING **TURN OFF YOUR POWER CHAIR AS SOON AS IT IS SAFELY POSSIBLE IF UNINTENDED OR UNCONTROLLABLE MOTION OCCURS OR IF UNINTENDED BRAKE RELEASE OCCURS.**

ASSEMBLY

Your *Alante Jr.* is shipped partially disassembled in order to maximize the protection of all its parts during the shipping process. Please follow the instruction below to quickly and easily assemble the power chair for your use.

NOTE: You will need only basic tools. If you do not have the required tools, or if you do not feel capable of safely assembling your power chair, please contact your local Golden Technologies, Inc. representative.

Main Components

1. Base
2. Battery Pack
3. Seat Assembly
4. Joystick
5. Seat Belt



Figure 1

ASSEMBLY Cont.

Before operating or assembling your *Alante Jr.*, be sure to remove the battery contact insulator under the battery box. Your *Alante Jr.* will not power up or operate with the insulator in place.

1. Grasp the battery box handle and pull the latch trigger.
2. With the trigger pulled, lift the battery pack from the unit.



Figure 2



Figure 3

3. Remove the rectangular black fabric insulator from the unit.
4. Replace the battery pack. Be sure it is securely in place and latched.

Note: The battery pack weighs 30 pounds. Please ask for help if you do not feel capable of safely lifting that much weight.

Seat Installation

1. Fold the seat back down.



Figure 4

ASSEMBLY Cont.

2. Lift the seat and align the seat pin with the hole in the seat post.



Figure 5

3. Insert the seat into the seat post.



Figure 6

4. Move the seat from side to side until it drops into place facing forward (Note: the seat on the *Alante Jr.* does not have a swivel feature).

ASSEMBLY Cont.



WARNING The seat assembly weighs 23 pounds. Please ask for help if you do not feel capable of safely lifting that much weight. Removal of arms will significantly reduce the weight of the seat.



WARNING Be sure the seat is correctly installed and locked before operating your power chair.

Arm and Seat Belt Installation

1. Slip the loops ends of the seat belt over the lower arm.
2. Insert the arms into the arm receiver tube at the bottom rear of the seat so that the height adjustment knobs face toward the front of the unit.



Figure 7

3. Adjust the width of the arms and secure by tightening the arm width adjustment knobs.



Figure 8

ASSEMBLY Cont.

Joystick Installation

1. Insert the joystick mounting tube into one of the mounting tubes under the armrest pads.

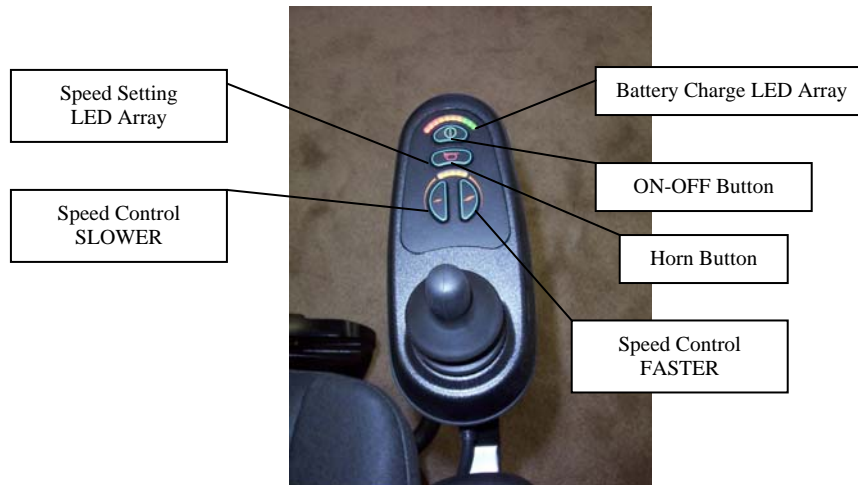


Figure 9

2. Adjust the position of the joystick to a comfortable spot.
3. Tighten the joystick adjustment knob.



Figure 10

4. Secure the joystick cable to the arm with the cable retaining straps.

ASSEMBLY Cont.

5. Plug the joystick cable into the controller cable.



Figure 11

Note: The joystick may be installed on the left or right arm according to your preference.

Note: Be sure the joystick cable and controller cables are securely attached to the unit and that the cables are not able to trail on the ground or become entangled on any surrounding objects while the unit is in use.

DISASSEMBLY

To disassemble your *Alante Jr.*™, simply reverse the assembly process.



WARNING Make certain that the controller power is turned off and that the chair is **NOT** in freewheel mode before attempting to perform disassembly.

Note: The battery pack weighs 30 pounds. Please get help if you do not feel capable of safely lifting that much weight.

Battery Replacement

Should your battery need replacement, please contact your Golden Technologies representative. Battery replacement requires disassembly of the battery pack and must be performed by a qualified technician.



Battery Pack

Figure 12

COMFORT SETTINGS

You may be spending a great deal of time on your *Alante Jr.*TM. To provide you with the maximum seating comfort, Golden Technologies, Inc. has designed this power chair to incorporate the following adjustments for operator comfort.

COMFORT SETTINGS

1. Seat height
2. Arm height
3. Arm width
4. Arm rest angle
5. Footrest angle
6. Joystick bracket length
7. Joystick positions



WARNING

Make certain that the power to your *Alante Jr.*TM is turned off before making any adjustments, to eliminate the risk of the joystick being accidentally bumped and activating the power chair.

Seat Height Adjustment

The seat is a center post design that is easily adjusted for height. To adjust the height to a comfortable level:

1. Remove the seat



Figure 13

2. Remove the battery box
3. Loosen and remove the seat height adjustment bolt, washer and latch clip with two 17mm wrenches.
4. Set the seat post to any one of the three adjustment positions.



Figure 14

5. Replace the bolt, washers and latch clip and tighten securely.

COMFORT SETTINGS Cont.

Arm Height

1. Loosen the arm height adjustment knobs.



Figure 15

2. Lift the arm to the desired height making sure not to exceed the maximum height marked on the arm.



Figure 16

3. Tighten the arm height adjusting knobs.

Arm Width

1. Loosen the arm width adjusting knobs at the lower rear of the seat.



Figure 17

COMFORT SETTINGS Cont.

2. Adjust the arms to the desired width making sure not to exceed 28 inches total outside width at the armrests.
3. Tighten the arm width adjusting knobs.

Arm Rest Angle

1. Lift the arm
2. Loosen the armrest angle adjustment screws with a 13mm wrench.



Figure 18

3. Turn the armrest angle adjustment screws outward to adjust the angle upward, screw it inward to adjust the angle downward to the desired angle.
4. Tighten the armrest angle adjustment screw.

Footrest Angle

1. Lift the footrest plate.



Figure 19

2. Loosen the footrest angle adjustment screw with a 12 mm wrench.



Figure 20

3. Turn the footrest adjustment screw inward to lower the footrest angle, turn it outward to raise the footrest angle.
4. Tighten the footrest angle adjustment screw.

COMFORT SETTINGS Cont.

Joystick Bracket Length

1. Loosen the joystick adjustment knob.



Figure 21

2. Loosen the joystick cable retaining straps.
3. Slide the joystick forward or backward to the desired position.
4. Tighten the joystick adjustment knob.
5. Reposition the joystick cable and secure with the retaining straps.

Joystick Position

1. Loosen the joystick adjustment knob.
2. Loosen the joystick cable retaining straps.
3. Slide the joystick mount forward and remove the joystick.
4. Position the joystick on either the left or right arm of the chair
5. Adjust the length.
6. Tighten the joystick adjustment knob.
7. Reposition the joystick cable and secure with the retaining straps.

If you do not feel capable of safely making these adjustments, please contact your local Golden representative.

OPERATION

Your *Alante Jr.*™ is simple to operate. However, for your safety and the safety of others, Golden Technologies, Inc. recommends that you carefully read and understand the following operating instructions. We also recommend that you practice operating your *Alante Jr.*™ in an area free of any obstacles. Once you have gained confidence in your ability to control your power chair, you will more easily be able to operate it in normal daily conditions.

A WORD OF CAUTION

Before turning on the power of your *Alante Jr.*™, take note of your environment and set your speed control accordingly. (see “Speed Control Buttons” Figure 9) For indoor driving, we recommend that you select the lowest speed setting. For outdoor driving, we recommend that you select a speed setting at which you feel comfortable, safe, and in control of your power chair. Familiarize yourself with the features of your *Alante Jr.*™ described below and follow the instructions to safely operate your power chair.

DRIVING: The Joystick On/Off Switch

Push the on/off button to turn on the power to your *Alante Jr.*™. See Figure 9. The 10 LEDs will flash once and a number of LEDs will remain depending on the state of the battery charge.

◆ The LED (Light Emitting Diode) array, that functions as the battery charge gauge, will light up. See “Battery Charging” on pages 29-30.

Pressing the on/off button again will turn off the power to your *Alante Jr.*™.

The Speed Control Buttons

These buttons provide you with a way to control the maximum speed of your Alante Jr..

- ◆ Push the “Slow” button repeatedly to set your chair’s speed to the slowest setting (recommended for indoor operation). Slowest speed is indicated by one (1) lit LED section on the speed indicator scale.
- ◆ Push the “Fast” button repeatedly to set your chair’s speed to its highest setting. Highest speed is indicated by five (5) lit LED sections on the speed indicator scale.

NOTE: For your safety, the controller automatically sets the reverse speed, acceleration, and deceleration in proportion to the speed control setting.

OPERATION Cont.

The Joystick

The joystick (see Figure 9 on page 15) controls the speed (up to the maximum limit set by the speed control buttons) and direction of your power chair.

NOTE: When you are not pushing on the joystick, or when you release the joystick, the joystick will automatically return to the neutral position, the chair will decelerate, as the electromagnetic brakes are applied, and come to a smooth stop.

Pushing the joystick away from the neutral (center) position will move your *Alante Jr.*™ in the direction that the joystick is pushed.

◆ The farther forward or backward you push the joystick, the faster your power chair will go.

To operate your power chair, gently push the joystick in the direction in which you want to travel.

◆ Gentle operation of the joystick will provide you with smoother changes in speed and direction.

◆ Sharp or jerky operation of the joystick will result in quick and drastic changes in direction and speed.

The Joystick Display

The joystick display (see Figure 9 on page 15) is a multifunctional visual display. This display provides three types of information.

1. On/Off status
2. Battery charge level
3. Fault diagnostics

1. On/Off Status

When you turn on the power to your *Alante Jr.*™, the LED array will light up (see Figure 9 on page 15).

◆ If the LED array is not lit, the controller and the power chair are not in operating mode.

OPERATION Cont.

2. Battery Charge Level

The joystick LED array is composed of ten (10) LED's.

- ◆Three (3) red
- ◆Four (4) amber
- ◆Three (3) green

When all ten LEDs are lit continuously, there is a full charge on the batteries. As you use your power chair and the batteries discharge, LEDs in the array will begin to turn off in descending order. A single lit red LED indicates the lowest state of operable charge on the batteries. The batteries should be charged immediately.

NOTE: To ensure a dependable battery charge, we recommend that you charge the chair's batteries overnight. Doing this will prolong the life of the batteries and spare you loss of operational power while you are using your chair normally.

Do not charge the batteries when all 10 LEDs are lit, indicating that the batteries are at full charge. Charging the batteries when they are fully charged will shorten the life of the batteries.

3. Control System Status Indication

The joystick LED array is also designed to help you diagnose any problems with the electrical components of your power chair. The LED array does this by flashing on and off in a coded sequence.

The battery gauge and maximum speed/profile indicator show the status of the control system.

A number of supposedly defective control systems returned to us are subsequently found to operate correctly. This indicates that many reported faults are due to wheelchair problems rather than the control system.

1.1 Battery Gauge is Steady

This indicates that all is well.

1.2 Battery Gauge Flashes Slowly

The control system is functioning correctly, but you should charge the battery as soon as possible.

1.3 Battery Gauge Steps Up

The wheelchair batteries are being charged. You will not be able to drive the wheelchair until the charger is disconnected and you have switched the control system off and on again.

OPERATION Cont.

1.4 Battery Gauge Flashes Rapidly (even with the joystick released)

The control system safety circuits have operated and the control system has been prevented from moving the wheelchair. This indicates a system trip, i.e. the VR2 has detected a problem somewhere in the wheelchair's electrical system. Please follow this procedure:

- Switch off the control system.
- Make sure that all connectors on the wheelchair and the control system are mated securely.
- Check the condition of the battery.
- If you can't find the problem, try using the self-help guide given in section 1.6.
- Switch on the control system again and try to drive the wheelchair. If the safety circuits operate again, switch off and do not try to use the wheelchair.
- Contact your Golden Technologies representative for service.

1.5 Self-Help Guide

If a system trip occurs, you can find out what has happened by counting the number of LEDs on the battery gauge that are flashing.



Figure 22

DIAGNOSTICS/TROUBLESHOOTING

Below is a list of trouble-shooting actions. Try to use this list before you contact your Golden Technologies representative. Go to the number in the list which matches the number of flashing LEDs and follow the instructions. If the problem persists after you made the checks described, contact your Golden Technologies representative for further assistance.

- 1 LED** The battery needs charging or there is a bad connection to the battery. Check the connections to the battery. If the connections are good, try charging the battery.
- 2 LEDs** The left hand motor has a bad connection. Check the connections to the left hand motor.
- 3 LEDs** The left hand motor has a short circuit to a battery connection. Contact your Golden Technologies representative.
- 4 LEDs** The right hand motor has a bad connection. Check the connections to the right hand module.
- 5 LEDs** The right hand motor has a short circuit to a battery connection. Contact your Golden Technologies representative.
- 6 LEDs** The wheelchair is being prevented from driving by an external signal. The exact cause will depend on the type of wheelchair you have, one possibility is the battery charge is connected.
- 7 LEDs** A joystick fault is indicated. Make sure that the joystick is in the center position before switching on the control system.
- 8 LEDs** A control system fault is indicated. Make sure that all connections are secure.
- 9 LEDs** The parking brakes have a bad connection. Check the parking brake and motor connections. Make sure the control system connections are secure.
- 10 LEDs** An excessive voltage has been applied to the control system. This is usually caused by a poor battery connection. Check the battery connections.
- 7 LEDs+S** A communication fault is indicated. Make sure that the joystick cable is securely connected and not damaged.

DIAGNOSTICS/TROUBLESHOOTING Cont.

1.6 Slow or Sluggish Movement

If the wheelchair does not travel at full speed or does not respond quickly enough, and the battery condition is good, check the maximum speed setting. If adjusting the speed setting does not remedy the problem, then there may be a non-hazardous fault. Contact your Golden Technologies representative.

1.7 Maximum Speed/Profile Indicator is Steady

The display will vary slightly depending on whether the control system is programmed to operate with drive profiles.

1.7.1 Maximum Speed Indication

The number of LEDs illuminated shows the maximum speed setting. For example, if the setting is speed level 4, then the four left hand LEDs will be illuminated.

1.7.2 Profile Indication

The LED illuminated shows the selected drive profile. For example, if drive profile 4 is selected, then the fourth LED from the left will be illuminated.

1.8 Maximum Speed/Profile Indicator Ripples Up and Down

This indicates the control system is locked.

1.9 Maximum Speed/Profile Indicator Flashes

This indicates the speed of the wheelchair is being limited for safety reasons. The exact reason will depend on the type of wheelchair; however, the most common cause is that the seat is in the elevated position.

The VR-2 modules are not user serviceable. Do not attempt to repair VR-2 modules.

Note that joystick OONAPU (**O**ut **O**f **N**eutral **A**t **P**ower **U**p) is not a fault. Simply by removing your hand from the joystick and allowing it to return to the neutral position, the fault will immediately clear. If the condition persists after removing your hand, the joystick may be damaged. Consult a Golden Technologies representative.

DIAGNOSTICS/TROUBLESHOOTING Cont.

FREEWHEEL MODE

- ◆ To disengage the brakes and put your power chair in freewheel mode, push the freewheel levers down as shown. See Figure 23.
- ◆ To re-engage the brakes and take your chair out of freewheel mode, pull the levers up as shown. See Figure 24.



Figure 23



Figure 24



WARNING

- 1. Never put your power chair in freewheel mode when it is on a slope or incline of any type.**
- 2. Never put your power chair in freewheel mode while you are operating your power chair.**

OPERATION Cont.

THERMAL ROLLBACK

Your *Alante Jr.*™ is equipped with a safety system. A microprocessor monitors the operating temperatures of the controller. In the event of excessive heat occurring in the controller, the controller will decrease the speed of your chair. This is done to reduce the load on the electrical system and allow the components to dissipate heat. The controller will automatically set the chair's speed back to full normal when the operating temperature returns to normal levels.

THE MAIN CIRCUIT BREAKER

The main circuit breaker is another safety feature incorporated into your *Alante Jr.*™. This device monitors the amount of current being drawn from the batteries when the chair is in use. When the motors are heavily strained and too high a current draw is being placed on the batteries, the main circuit breaker will trip and bring your chair to a stop. The main circuit breaker is located under the battery box handle.

RESET BUTTON

If the main circuit breaker trips, please wait for approximately 1 minute and then push the reset button to reset the main circuit breaker. See Figure 25.



Figure 25

NOTE: Usually, the thermal rollback feature is more sensitive than the main circuit breaker. We recommend that you turn off the power to the chair and wait for five minutes when the chair suddenly loses speed or power. Doing so will allow the overheated electrical components to cool to their normal operating temperatures.

BATTERY CHARGING

NOTE: You must use only the charger that is supplied with your Alante Jr.™. The use of any other charger on this power chair will void the warranty. Using unauthorized chargers may also result in severe damage to the batteries and/ or damage to the chair. Using the wrong charger may also be a fire hazard.

OPERATIONAL RANGE

Depending on the use, the terrain, and the driving conditions, the batteries of your Alante Jr.™ will provide fifteen to twenty miles of operation.

◆ We recommend that you charge the batteries when necessary. Battery charge should be treated similarly to fuel in a car. You would not go on a long trip with fuel low or fill up when almost full.

CHARGING THE BATTERIES

Your Alante Jr.'s charging system is designed for your safety and for your convenience. Follow the steps below to recharge the batteries.

1. Position your Alante Jr.™ close to a standard wall electrical outlet.
2. Turn off the power on the joystick.
3. Insert the matching charger plug into the joystick's charging socket that is located at the front of the joystick. See Figure 26.
4. Insert the plug at the other end of the charger power cord into a standard electrical wall outlet.
5. Disconnect the charger power cord from the wall outlet and from the joystick charging socket when the batteries are fully charged.

NOTE: The batteries will be fully charged in four to eight hours. A full charge is indicated when the green light on the battery charger side panel turns on and all 10 joystick LEDs are lit when joystick is turned on.



Figure 26

BATTERY CHARGING Cont.

Alternatively, you may charge the battery pack directly.

1. Remove the battery pack from the power chair.
2. Locate the charger port at the rear of the battery pack and swing the cover out of the way.
3. Plug the charger into the battery pack socket.



Figure 27

4. Insert the plug at the other end of the charger power cord into a standard electrical wall outlet.
5. Disconnect the charger power cord from the wall outlet and from the battery pack charging socket when the batteries are fully charged.

NOTE: The batteries will be fully charged in four to eight hours. A full charge is indicated when the green light on the battery charger side panel turns on and all 10 joystick LEDs are lit when joystick is turned on.

CARE AND MAINTENANCE

Your Alante Jr.™ is designed to require minimal maintenance. We recommend that you periodically check the following:

Tire Tread: Regularly visually inspect the tire tread. If the remaining tread is less than 1/32 of an inch, have your local Golden representative replace the worn tires.

Joystick and Controller: Protect the joystick and controller from adverse weather conditions. Moisture will damage the controller and void your power chair's warranty.

Cleaning: Use only a water-dampened soft cloth to clean the ABS shroud. The shroud has a protective coat that is very easy to maintain.

NOTE: Do not use free-flowing water to clean your Alante Jr.™. Water and extreme temperatures are the main elements that can adversely affect your power chair and its performance.

Water, Rain, Sleet, and Snow

Water, in any form, will cause electronic malfunction or corrosion of the electrical components, connections, and the chair frame.

Temperature

- ◆ At extremely low temperatures, the batteries of your power chair may freeze, preventing your *Alante Jr.™* from operating.
- ◆ At extremely high temperatures, your power chair may operate at slower speeds due to the controller's thermal rollback feature that is designed to prevent damage to the motors and to the other electrical components of the chair.

RIDING YOUR ALANTE JR.

Control through tight spots

As you use your *Alante Jr.*™ to increase your mobility, you will undoubtedly encounter some obstacles that will require practice to negotiate smoothly and safely. Below are some common obstacles that you may meet during the daily use of your power chair. Listed with those obstacles are some driving tips that should help you conquer those obstacles. Learn and follow those tips, and with surprising ease you will soon be in control of your power chair as you maneuver it through doors, up and down ramps, up and over curbs, through grass and gravel, and up and down inclines.

Doors

- Approach any unfamiliar door slowly.
- Notice if the door has a knob or a push bar.
- Determine if the door opens towards you or away from you.
- Do not try to use your own strength to open the door. Learn to use the power of your power chair to do the majority of the work for you.

If the door opens away from you:

1. Use one hand to turn the doorknob or to operate the push bar.
2. Use your other hand to steer the power chair and to gently press on the thumb lever that will move your power chair slowly forward.
3. Use your arm to push the door gently open.
4. Drive through the doorway.
5. If it is a self-closing door, it will close behind you.
6. If it is not a self-closing door, stop your power chair when it is clear of the door and use your hand to push the door closed.

If the door opens towards you:

1. Use one hand to turn the doorknob or to pull the handle.
2. Keep your grip on the knob or on the handle.
3. Use your other hand to steer your power chair and to gently press the thumb lever that will move your power chair slowly in reverse.
4. Allow the power of your *Alante Jr.* to pull the door completely open.
5. When the door is completely open, stop your power chair.
6. Drive through the doorway while keeping your hand on the door to prevent it from hitting or blocking your power chair.
7. If it is a self-closing door, it will close behind you.
8. If it is not a self-closing door, pull it closed behind you.

RIDING YOUR ALANTE JR. Cont.

Ramps

Because of the American Disabilities Act (ADA), many buildings are fitted with ramps that provide access for power chairs and for other mobility vehicles.

Please read and thoroughly understand “Safety Rules” and “Driving On An Incline” sections of this manual.



Alante Jr. GP200 – (Arctic Blue Body Color)

ALANTE JR. POWER CHAIR GP 200 SPECIFICATIONS

Specification Name

Specification

Specification Name	Specification
Weight	
Base	56 Pounds
Seat	23 Pounds
Battery Pack	30 Pounds
Total weight w/Batteries	109 Pounds
Dimensions	
Length	32.5"
Width	23"
Maximum Incline	6 Degrees
Maximum Speed	3.5 MPH
Range	7.5 Miles
Load Capacity	250 Pounds
Turning Radius	27"
Wheel Sizes	
Drive Wheels	9x2.5
Casters	7x1.75
Armrest Width (Adjustable)	Width of seat +6"
Armrest Height (Adjustable)	+2" (measured from seat)
Seat Height Minimum	18"
Seat Height Maximum	20"
Footrest (<i>Adjustable Angle</i>)	-4 degrees to 10 degrees
Controller	Integral, P&G VR-2 40 Amp, programmable
Charger	Off Board 110 VAC 60Hz, 3 Amp
Colors	Candy Apple Red, Arctic Blue
Battery Types (<i>Recommended</i>)	(2) 12 Volt – 22 Ah

Note: Specifications subject to change without notice.

Consumer Limited Warranty

Power Wheelchairs

Effective June 1, 2008

The following warranty is granted only to the INITIAL Consumer who has purchased our product and commences on the Date of Purchase by the Consumer from an Authorized Golden Technologies' Provider. The Consumer must have a warranty registration card filed with Golden Technologies to receive service. This warranty supersedes all previous warranties for all power chair models effective June 1, 2008.

The warranty covers the following power wheelchair models unless otherwise noted:

- ◆ Alero GP52
- ◆ Alanté Jr. GP200
- ◆ Alanté GP201
- ◆ Alanté GP202
- ◆ Compass GP600 and GP601

Limited Lifetime Warranty:

In the event of defective materials or workmanship, Golden Technologies will repair or replace at our option any of the following **structural frame components** found to be defective by an authorized Golden Technologies representative:

- ◆ Steel Frame
- ◆ Frame Welds
- ◆ Seat Post

The chair side frames for the Alero GP52 power wheelchair are guaranteed for a period of FIVE YEARS from the date of purchase.

One-Year Limited Warranty:

For the period of one year from the date of purchase, in the event of defective materials or workmanship, Golden Technologies will repair or replace at our option any of the following **structural frame components** found to be defective by an authorized Golden Technologies representative:

- | | | |
|------------------|----------------|------------------------|
| ◆ Caster Beam | ◆ Caster Forks | GP-52 Only |
| ◆ Anti-Tip Forks | ◆ Armrests | ◆ Swing-away footrests |
| | ◆ Footrest | ◆ Cross Braces |
| | | ◆ Back Rest Canes |

For the period of one year from the date of purchase, in the event of defective materials or workmanship, Golden Technologies will repair or replace at our option any of the following **drive train components** found to be defective by an authorized Golden Technologies representative:

- ◆ Motor/Gearbox Assembly
- ◆ Brake Assembly (electrical function only)

Note: An increase in operating noise of the motor/gearbox DOES NOT constitute a defect. With normal wear and tear, operating noise is expected to increase.

For the period of one year from the date of purchase, in the event of defective materials or workmanship, Golden Technologies will repair or replace at our option any of the following **electronic assemblies** found to be defective by an authorized Golden Technologies representative:

- ◆ Electronic Controller
- ◆ Battery Charger
- ◆ Wire Harness(es)
(excludes boot covers)

Note: While charging batteries, it is normal for the battery charger to heat up. Heat coming from the battery charger DOES NOT constitute a defect.

Consumer Limited Warranty *Power Wheelchair (continued)*

For the period of one year from the date of purchase, in the event of defective materials or workmanship, Golden Technologies will repair or replace at our option any of the following **parts** found to be defective by an authorized Golden Technologies representative:

- | | | |
|-------------------------|-------------------------|-------------------------------------|
| ◆ Bearings | ◆ Rubber Components | ◆ Plastic |
| ◆ Bushings | (excludes tires and all | Components |
| ◆ Seat swivel mechanism | wear parts) | (excludes body &
all wear parts) |

Items not mentioned or listed are covered at the discretion of Golden Technologies. Any accessories, standard or optional, supplied by Golden Technologies, are covered for a period of one year from the date of purchase with the particular unit.

Warranty Exclusions:

Golden Technologies does not provide warranty on any of the following items which may require replacement due to the normal wear and tear of day to day usage:

- | | | |
|-----------------------|-----------------|--------------|
| ◆ Tires and Tubes | ◆ Motor Brushes | ◆ Brake Pads |
| ◆ ABS Plastic Shrouds | ◆ Bulbs/Fuses | ◆ Upholstery |
| ◆ Armrest Pads | ◆ Battery Cases | |

This warranty also excludes the following:

- ◆ Batteries (Please consult battery manufacturer for any implied warranty)
- ◆ Loss or theft of components
- ◆ Damage caused by:
 - Battery fluid spillage or leakage
 - Abuse, misuse, accident or negligence.
 - Improper operation, maintenance or storage.
 - Commercial use or use other than normal.
 - Repairs and/or modifications made to any part without the specific consent of Golden Technologies.
 - Exceeding the specified weight capacity of the unit.
 - Accessories other than those supplied or approved by Golden Technologies.
 - Failure to adhere to the product instructions
 - Acts of Nature, such as lightning strikes, earthquakes, etc....
 - Circumstances beyond the control of Golden Technologies.

- ◆ **ANY PARTS ALTERED OR REPAIRED BY UNAUTHORIZED PERSON.**

Warranty Service:

Warranty Service must be performed by an authorized Golden Technologies representative. Golden Technologies reserves the right to replace warranted part(s) with refurbished or new part(s) at our discretion. All labor charges, service calls, transportation costs or any other charge(s) associated with the installation of any warranted part(s) are the responsibility of the consumer. Warranty is for the replacement of the parts only and does not include freight for the replacement parts. Consumers are not to return any item(s) to Golden Technologies without prior written authorization. Any damages incurred while warranted part(s) are in transport are the sole responsibility of the consumer.

There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose are excluded. Liabilities for consequential damages are excluded.

This warranty gives you specific rights and you may also have other rights which may vary from state to state.

Golden Technologies Alante Jr. Notes Page

GOLDEN *Alante Jr.*™ Warranty Registration

(Please type or print)

Serial # _____ Date Purchased _____

Owner Name _____

Address _____

City _____ State _____ Zip _____

Failure to return warranty registration card could result in significant delays in obtaining service.

Additional Required Owner Information

Please indicate your understanding of your Golden *Alante Jr.*™ by completing the following information.

_____ I have read and fully understand:

_____ My Golden *Alante Jr.*'s Owner's Manual, especially the sections on operating instructions, safety guidelines, maintenance and battery instructions.*

_____ *Alante Jr.*™ Warranty

* Battery Instructions - only sealed lead acid, GEL-cell or AGM type batteries should be used. Batteries must also be sealed, deep cycle, and maintenance free or battery will hinder vehicle performance and void the warranty.

_____ My Golden *Alante Jr.*™ dealer has instructed me on how to operate my power chair.

Signature _____

Telephone (_____) _____

Comments

Please Mail Completed Form To:

Golden Technologies
Product Warranty Registration Department
401 Bridge Street
Old Forge, PA 18518

Alanté Jr. BY GOLDEN



Alante Jr. GP200

