

# golden ***Avenger***



## **Owner's Manual** **Model GA541**



Thank you for purchasing your Golden Avenger Scooter. We are honored you have chosen Golden Technologies for your mobility needs.

Your Avenger™ package should include the following items. If your package arrived without any of the following items, please contact us right away!

Avenger™ Scooter  
Model GA541

Owner's Manual  
Battery Charger  
Batteries (If ordered)  
Seat with Arm Rests  
Safety Flag  
Keys  
Front Basket



#### DISCLAIMER

We ask that you read this manual completely before operating your new Avenger. 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 Avenger scooter. 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.

**Intended Use:** The intended use of the Avenger is to provide mobility to persons limited to a seated position that are capable of operating an electric scooter.

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# I. INTRODUCTION

Congratulations on the purchase of your new Golden Avenger scooter. The Avenger, the Avenger II, and the four-wheel Avenger II all combine cutting edge technology with attractive designs that are also highly functional in today's world. We at Golden Technologies, Inc. know that you have chosen a scooter that will give you years of dependable operation and also will enhance the quality of your life by providing you with the mobility to experience an active daily life style.

Even though your new Avenger is both user-friendly and designed for maximum maneuverability in even the tightest spaces, we ask that you please read, understand and follow all of the instructions and suggestions in this manual before you operate your Avenger for the first time. The safe use of your new scooter is very important to us.

If you feel that you do not understand the instructions and suggestions 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 Avenger, please contact your local Golden Technologies, Inc. representative or call Golden Technologies, Inc. Technical Support Services at (800) 624-6374.

Golden Technologies, Inc. cannot be held responsible for personal injury or property damage resulting from the unsafe or the improper use of any of our broad range of health and personal mobility products. Also, Golden Technologies, Inc. cannot be held responsible for personal injury or property damage resulting from attempts to follow instructions, suggestions, and guidelines presented in this owner's manual.

Our Research and Development Department, our Quality Control Department, and our Engineering Department have used the latest product specifications and the latest product design information to produce this owner's manual. Golden Technologies, Inc. reserves the right to implement changes into our product lines when those changes become desirable or necessary. If changes are implemented into our product line, there may be minor differences between the product you purchased and the illustrations and instructions in this owner's manual.

Please fill out and mail the enclosed warranty registration card. We at Golden Technologies, Inc. would appreciate hearing about the dependability of your Avenger and about the convenience of mobility it has provided for you. We would also appreciate hearing about the service you received from your local Golden Technologies, Inc. provider or representative.

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For more information about our products and services or to send us your comments, please visit our website at [www.goldentech.com](http://www.goldentech.com)

# I. INTRODUCTION

## Accessories for the Avenger Scooters

A variety of accessories are available for your Golden Avenger Scooter\*. Please contact your Authorized Golden Technologies' Provider for more information.

- Amputee Leg Supports
- Cane Holder Tube
- Cup Holder
- Travel Case
- Forearm Crutch Holder
- Mirror
- Oxygen Tank Holder
- Quad Cane Holder
- Rear Basket
- Safety Flag
- Scooter Cover
- Walker Holder
- Lap Belt

\*Some accessories require a mounting bracket or mounting clips. Please check with your provider to find out if the accessory you would like to order requires a mounting bracket or mounting clip.

## Safety Guidelines

The symbols below are used in the owner's manual and/or on the product to identify warnings and to notify you of important safety information. Make sure you read and understand them completely.



**WARNING!** Indicate(s) a hazardous situation which, if not avoided, could result in death or serious injury. This icon is represented as a black symbol on a yellow triangle with a black border.



**MANDATORY!** Failure to perform mandatory actions can cause personal injury and/or equipment damage. This icon is represented as a white symbol on a blue dot with a white border.



**PROHIBITED!** Indicate(s) an action(s) that should not be performed under any circumstance. Failure to adhere can cause personal injury and/or equipment damage. This icon is represented as a black symbol with a red circle and red slash.

## Safety Symbols

The symbols below identify warnings, mandatory actions, and prohibited actions. They can be found in the owner's manual and/or on the product. Make sure you understand all safety labels before operating the product. Do not remove safety labels from the product.



Read and follow the owner's manual!



Explosive conditions exist!



Indoor use only!



Use only AGM or Gel-Cell batteries!



Avoid transmitters!



Hot surface!



Pinch/Crush Hazard!



Do not place into trash!



Electrical hazard!



Corrosive chemicals inside battery!



Recycle



Do not use personal hand held devices!

# I. INTRODUCTION

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



**MANDATORY!** Read completely and understand this owner's manual before assembling, operating, transporting, or disassembling your Patriot scooter.

## **NOTICE**

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

### BEFORE GETTING ON YOUR AVENGER™

- Check to be certain that the power is turned off. See "Operation" section in this manual. This will eliminate the possibility of accidentally activating the thumb lever controls and causing injury to you or to others.
- Check to be certain that your Avenger™ brake handle is in the engaged position. See the "Disassembly" section in this manual.
- Flip up the armrests.



#### **WARNING**

**WHEN GETTING ON OR OFF YOUR AVENGER™, DO NOT PUT MOST OR ALL OF YOUR WEIGHT ON THE EDGE OF THE DECK. DOING SO MAY CAUSE THE SCOOTER TO TIP.**

### GETTING ON YOUR AVENGER™

- Position the seat for safe and easy mounting. See "Operation" section.
- Carefully place one foot on the approximate center of the deck and seat yourself comfortably and securely on the seat.
- Fasten the lap belt, if your scooter is so equipped.
- Flip down the armrests.

### GETTING OFF YOUR AVENGER™

- Make certain that the power is turned off and key is removed!
- Flip up the armrest.
- Unfasten the lap belt, if your scooter is so equipped.
- Carefully place one foot on the ground, transfer your weight to that leg, and slowly come to a standing position.
- Step away from the scooter.

### MAXIMUM WEIGHT

Your Avenger™ has been rated to a maximum payload (includes operator and any other carry on baggage) of 500 pounds. Exceeding the maximum weight rating will void the warranty.



#### **WARNING**

**EXCEEDING THE MAXIMUM WEIGHT RATING MAY ALSO RESULT IN INJURY TO YOURSELF AND/OR TO OTHERS.**



#### **WARNING**

**TURNING TOO SHARPLY AROUND A CORNER CAN CAUSE THE SCOOTER 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.**

## II. SAFETY

Please use your Golden Avenger™ scooter often and allow it to expand the horizons of your daily life. The more mobility your Golden Avenger brings to you, the happier you will be, and the more satisfied we at Golden Technologies, Inc. will be! But as with all things, especially motor operated vehicles, observing a few rules and safety considerations will help ensure safe scooter operation. So please follow the rules below.

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

### RULES FOR USE AND OTHER SAFETY CONSIDERATIONS



**MANDATORY!** Read completely and understand this owner's manual before assembling, operating, transporting, or disassembling your Golden Avenger scooter.



#### WARNING

- **Always** operate your Golden Avenger™ with thought, care and safety.
- **Do not** attempt to use your Avenger™ on an escalator. Always use in an elevator.
- **Do not** carry passengers under any circumstances.
- **Do not** mount or dismount your Golden Avenger™ unless the brake is engaged.
- **Always** make certain that the key switch is set to "off" before mounting or dismounting your scooter.
- **Do not** back your Golden Avenger™ down an incline or across an uneven surface.
- **Do not** turn your scooter suddenly at full speed.
- **Always** make certain that the seat is locked in the forward position before operating your Avenger™.
- **Always** come to a full stop before changing direction from forward to reverse or from reverse to forward.
- **Do not** operate your Avenger™ where you could not safely or legally walk.
- **Do not** climb ramps or curbs that exceed your scooter's capacity.
- **Always** approach curbs and inclines straight on.
- **Always** be aware of and careful near mechanical pinch points (for example, when mating the rear carriage to the front frame, especially when assembling and disassembling your scooter. See Assembly/Disassembly section.
- **Never** sit on your Avenger™ when it is being transported.
- When your Avenger™ is being transported, make certain that it is securely fastened down with an approved tie-down system.
- **Do not** operate your vehicle if it is not functioning properly.
- **Always** use caution when driving on soft or uneven surfaces such as grass and gravel. Also use caution on decks where there is no railing.
- **Never** drive on the roadway, except when you must cross the street.
- **Always** cross streets at intersections and use crosswalks or the most direct route, making sure that your path is clear and that you are visible to motor traffic.
- **Never** drive your Avenger™ up or down a step or curb that is higher than three inches.
- **Never** back up or down a step or curb.
- **Never** operate your Avenger™ while you are under the influence of alcohol or any other controlled substance.
- **Never** operate your Patriot while you are under the influence of alcohol.
- **Do not** operate or store your mobility device where it will be exposed to rain, snow, mist, and below freezing temperatures.
- **Always** keep your tires properly inflated.



## II. SAFETY

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

**NOTICE** Before learning to operate your Avenger, have your authorized Golden Technologies, Inc. provider determine if it is advisable for you to practice getting on and off your Avenger and operating it in the presence of an attendant.

### BEFORE GETTING ON YOUR AVENGER

- Check to be certain that the power is turned off. See section V. "Operation" in this manual. This will eliminate the possibility of accidentally activating the paddle controls and causing injury to yourself and/or others.
- Check to be certain that your Avenger's brake handle is in the engaged position. See section VII. "Disassembly" in this manual.
- Flip up the armrests.



#### WARNING

**When getting on or off your Avenger, keep your weight toward the middle of the deck. Putting most or all of your weight on the edge of the deck may cause an unstable condition.**

### GETTING ON YOUR AVENGER

- Position the seat for safe and easy mounting. See section V. "Operation."
- Return tiller to full upright position
- Carefully place one foot on the approximate center of the deck and seat yourself comfortably and securely on the seat.
- Fasten the lap belt, if your scooter is so equipped.
- Flip down or replace the armrests.

### GETTING OFF YOUR AVENGER

- Make certain that the power is turned off and the key is removed.
- Return tiller to full upright position
- Flip up or remove the armrests.
- Unfasten the lap belt.
- Carefully place one foot on the ground, transfer your weight to that leg, and slowly come to a standing position.
- Step away from the scooter.



#### WARNING

**Over-inflated tires pose a risk of bursting and can cause serious injury. Under-inflated tires will cause significant loss of operational range and will also cause the motor control board to overheat.**



#### WARNING

**Should you encounter a problem with the operation of your mobility device such as a mechanical or electrical problem immediately stop using the product. Disconnect the batteries then contact the provider from whom you purchased your mobility device for evaluation of the problem and repair if needed.**



## II. SAFETY

### DRIVING ON AN INCLINE

- For maximum stability, lean forward in your Avenger™ seat while proceeding up ramps, slopes, curbs, or any low rise.
- 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 Avenger™ 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.



GOING UP AN INCLINE



TRAVERSING AN INCLINE

\* Maximum recommended incline is 8.0°



#### WARNING

**WHILE YOU ARE DRIVING DOWN A SLOPE, YOUR SCOOTER STARTS TO MOVE FASTER THAN YOU FEEL IS SAFE, RELEASE THE THUMB LEVER AND ALLOW YOUR AVENGER™ TO COME TO A STOP. WHEN YOU FEEL THAT YOU AGAIN HAVE CONTROL OF YOUR SCOOTER, PUSH THE THUMB LEVER FORWARD AND CONTINUE SAFELY DOWN THE REMAINDER OF THE SLOPE.**

### DRIVING DOWN AN INCLINE

- Lower speed setting.
- Whenever it is safely possible, drive forward down any ramp, low rise, or incline.

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

## II. SAFETY

If it is necessary to back down a slope follow one of two procedures.



**CAUTION** When using either of the following procedures to back down a slope, Golden Technologies strongly advises that you have the assistance of another person.

### Procedure 1 – Under Power

1. Set the key switch to the “Off” Position. See “Operation” section.
2. Dismount your Avenger™
3. Set the key switch to the “On” position. See “Operation” section.
4. While standing alongside your scooter, carefully operate the controls at the lowest speed setting. See “Operations” section.
5. Slowly and carefully back your scooter down the incline.
6. When you have reached a level surface at the bottom of the slope, position the free-wheel lever in the engaged position. Carefully remount your Avenger™ and resume normal operation.

### Procedure 2 – Emergency (No Power)

1. Set the key switch to the “Off” position. See “Operation” section.
2. Dismount your Avenger™.
3. Put your scooter in the freewheel mode. See “Disassembly” section.
4. While standing alongside the scooter, carefully manually maneuver it down the slope.
5. When you have reached a level surface at the bottom of the slope, position the free-wheel lever in the engaged position. See “Disassembly” section.
6. Carefully remount your Avenger™ and resume normal operation.



**WARNING** WHEN YOUR SCOOTER IS IN FREEWHEEL MODE, THE BRAKE IS RELEASED. THE WEIGHT OF THE SCOOTER ON A SLOPE MAY CAUSE YOU TO LOSE CONTROL OF THE SCOOTER. IF YOU DO NOT FEEL CAPABLE OF MANUALLY CONTROLLING YOUR SCOOTER DOWN THE SLOPE, REQUEST ASSISTANCE OR DO NOT ATTEMPT TO USE THIS PROCEDURE.

### Motor Braking System

Your scooter is equipped with a system that uses the motor to aid in braking. This Motor Brake system is designed to work when the key is in either the on position or the off position. When the key is in the on position, the freewheel is in the engaged position, and the scooter is under power, the motor will help slow down the scooter as soon as you take your hand off of the throttle lever.

When the key switch is in the off position and the freewheel is in the disengaged position, the motor brake system will keep you from pushing the scooter too fast (i.e. down a slope). You may notice this when pushing the scooter. The scooter will move freely until you reach a certain speed. You will then encounter some resistance as the motor brake system is activated.

### 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 Avenger™. Also check with your physician concerning your physical ability to operate a scooter.



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

### III. 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 (AM radios), wireless computers 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 AVENGER™

All electrically powered vehicles, including scooters are susceptible to EMI / RFI. This interference could result in abnormal, or unintended movement of your Golden Avenger™.



**WARNING**

**UNINTENDED MOVEMENT OR BRAKE RELEASE COULD CAUSE AN ACCIDENT OR INJURY.**

The FDA has determined that each make and model of scooter can resist EMI / RFI to a certain level. The higher the level of resistance, 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 resistance to EMI/RFI, which would provide useful protection against common sources of interference. The resistance level of the Golden Avenger™ is not known.

#### EMI / RFI RECOMMENDATIONS



**PROHIBITED!** Do not turn on or use hand-held personal electronic communication devices such as cellular phones, walkie-talkies, and CB radios while your scooter is turned on.

- Be aware of any nearby transmitters (radio, television, microwave, etc.) on your intended route and avoid operation your of scooter close to any of those transmitters.
- Turn off the power if your Avenger™ is going to be in a stationary position for any length of time.
- Be aware that adding accessories or components or modifying your scooter may make it more susceptible to EMI / RFI.
- If unintended movement or brake release occurs, turn your scooter off as soon as it is safe to do so.
- Report all incidents of unintended movement or brake failure to your Golden Technologies, Inc. Technical Service at (800) 624-6374.



**WARNING**

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

## IV. YOUR GOLDEN AVENGER



### FOR YOUR RECORDS:

Please fill in your Avenger™ information below. This information will be useful in the event that you ever need to contact Golden Technologies concerning your scooter.

Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Date of Purchase \_\_\_\_\_ Body Color \_\_\_\_\_

Options \_\_\_\_\_

Your Golden representative or provider

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

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

## TECHNICAL SPECIFICATIONS

| Specification                              | GA541                  |
|--------------------------------------------|------------------------|
| Medicare Code                              | Not Coded              |
| Weight Capacity                            | 500 lbs.               |
| Drive Wheels                               | Rear                   |
| Maximum Speed                              | 7 mph                  |
| Operating Range <sup>1</sup>               | 29.6 miles             |
| Ground Clearance under Deck                | 4"                     |
| Turning Radius                             | 67"                    |
| Type Batteries                             | 2 - NF22               |
| Colors                                     | Silver, Red            |
| Freewheel Mode                             | Yes                    |
| Electronic Speed Control                   | Yes                    |
| Electro-Mechanical Brakes                  | Yes                    |
| Charger                                    | Off-board              |
| Controller                                 | PG S 140 Amp           |
| Length                                     | 57.5"                  |
| Width                                      | 24.5"                  |
| Height (ground to top of back of seat)     | 42.5" – 45.5"          |
| Height (ground to top of back of headrest) | 50" – 56"              |
| Ground to top of Seat                      | 25" – 28"              |
| Ground to top of Deck                      | 6.5"                   |
| Deck to top of Seat                        | 18.75" – 21.75"        |
| Number of Seat Height Positions            | 4                      |
| Size of Increments                         | 1"                     |
| Front Axle to Rear Axle                    | 38.5"                  |
| <b>Weight of Unit: (assembled)</b>         | 265 lbs.               |
| Front Half                                 | 68 lbs.                |
| Rear Half                                  | 68 lbs.                |
| Seat with Arms                             | 55 lbs.                |
| Batteries                                  | 37 lbs. each           |
| <b>Tires:</b>                              | Pneumatic <sup>2</sup> |
| Front                                      | 13"                    |
| Rear                                       | 13"                    |
| Rear Anti-Tip Wheels                       | 3"                     |

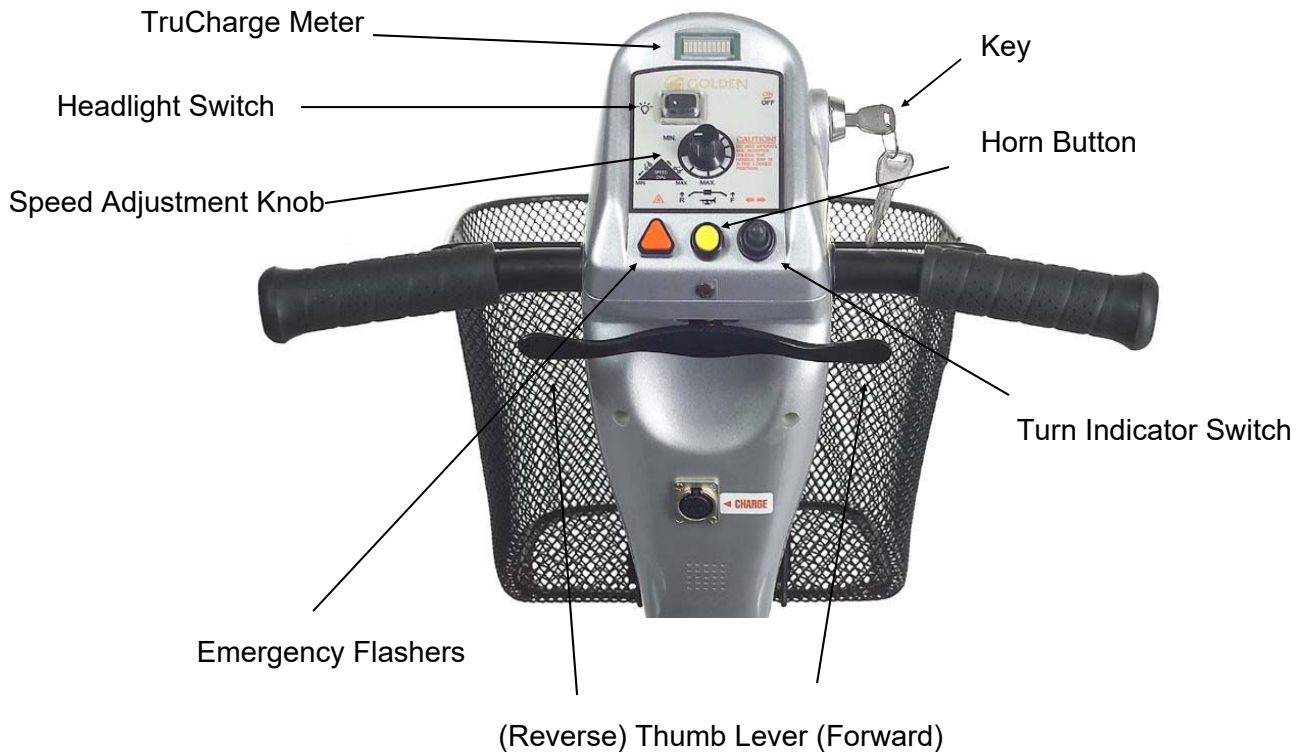
## TECHNICAL SPECIFICATIONS

| Specifications              | GA541          |
|-----------------------------|----------------|
| <b>Standard Seat:</b>       | Captain's Seat |
| Back Height - no headrest   | 21"            |
| Back Height – with headrest | 27.5" – 31.5"  |
| Width x Depth               | 20" x 17"      |
| Color                       | Black Vinyl    |
| <b>Warranty:</b>            |                |
| Frame                       | Lifetime       |
| Drive Train                 | 2 Years        |
| Electronics <sup>3</sup>    | 2 Years        |
| Batteries                   | 1 Year         |

1. Battery range at 200 lbs., and will vary due to rider weight, drive surface, terrain, and battery type.
2. Inflate tires to the maximum tire pressure recommended by the tire manufacturer.
3. Electronics warranty excludes batteries.

Literature is current at the time of printing. Golden Technologies reserves the right to make changes to the product or literature at any time.

## V. OPERATION



### Hand Controls

#### Speed Adjustment Dial

The speed adjustment dial allows you to pre-select the maximum top speed of your Golden Avenger™.

- Turn the dial completely counterclockwise to operate your scooter at the lowest top speed.
- Turn the dial clockwise to increase the operational speed of your scooter.

We recommend that you select a speed setting at which you feel comfortable, safe, and in control of your Avenger™.

#### Key Switch

This switch turns the power of your Avenger™ on and off.

- Insert the key into the key hole and turn clockwise. Notice the TruCharge volt meter/ diagnostics gauge will illuminate. Once illuminated, your scooter is powered On.

#### **⚠ CAUTION**

Always make certain that the key is removed from the key switch before getting on or off your Golden Avenger™.



## V. OPERATION

When the power to your Avenger™ is turned on the TruCharge volt meter/ diagnostics gauge will illuminate. This gauge is used for battery condition and diagnosing operational problems that may arise. See “Diagnostics” section.

### Horn Button

Press this button to sound the horn.

### Thumb Lever Control

This self-centering lever system controls your Avenger™ speed (up to the maximum speed set by the speed adjustment dial) as well as the forward and reverse direction. This control system is also called the “Wig-wag”.

#### **To drive forward:**

- Please your hands on the handgrips.
- Use your thumbs to operate the control lever.
- Use your right thumb to press lightly on the “F” (forward motion) lever to move your scooter forward.
- Increase the pressure applied by your thumb to increase your forward speed.
- To stop your Avenger™, release all pressure on the lever. The lever will automatically return to the center (neutral) position and your scooter will come to a gradual stop.

### **⚠ CAUTION**

**Always bring your Avenger™ to a full stop before changing direction from forward to reverse, or from reverse to forward.**

#### **To drive in reverse:**

- Place your hands on the handgrips.
- Use your thumbs to operate the control levers.
- Use your left thumb to press lightly on the “R” (reverse motion) lever to move your scooter in reverse.
- Increase the pressure applied by your thumb to increase your reverse speed.
- To stop your Avenger™, release all pressure on the lever. The lever will automatically return to the center (neutral) position and your scooter will come to a gradual stop.

## V. OPERATION

The TruCharge volt meter/ diagnostics gauge.

This meter shows the amount of voltage in your Avenger™ batteries and is also the diagnostics gauge.

- 10 bars lit indicates full battery charge.
- 6 or 7 bars lit, charge your batteries.

**Note:** Your scooter will automatically turn itself off if the battery output falls to 18 volts DC or lower.

### Tiller Adjustment

The tiller on your Avenger™ scooter employs an adjustment lever to provide you with infinite tiller angle settings. To set the tiller to your liking, follow these directions:

- Use one hand to grasp a handgrip.
- Use your other hand to loosen the adjustment lever.
- Position the tiller to a comfortable driving position.
- Tighten adjustment lever.

### **NOTICE**

The length of your Avenger tiller can be extended by the removal of tiller plastic, removal of 2- 6mm machine screws. The tiller can be lengthened by 3" and the replacement of 1 of the 6mm machine screws. (Picture not shown)



Adjustment Lever



**WARNING BE SURE THE TILLER ADJUSTMENT LEVER IS FULLY TIGHTENED BEFORE OPERATING THE SCOOTER.**

## V. OPERATION

### SEAT CONTROLS

#### Armrest Height Adjustments

To adjust the armrest height:

1. Remove the (2) 6mm adjustment screws on the back of the armrest and raise to a comfortable position.
2. Reinsert the 2 screws.

**Note:** The armrest can be raised 3" and by replacing only 1 screw. You can raise the armrest and replace both screws.

#### Armrest Width Adjustment

To adjust the armrest width:

1. Loosen the (2) 6mm adjustment screws at the rear of each arm.
2. Slide each arm to the desired width and tighten the screws.

#### Seat Height Adjustment (Picture Not Shown)

To adjust the seat height: Lift up on seat rotate lever and turn seat either left or right, lift seat straight up. Holding rotate lever in the up position while lifting seat may make this task easier. Remove 17mm machine screw and place seat post at the desired height and re-insert screw.

#### Seat Rotation Lever

The seat can be rotated through 360° and locked at any 90° position.

1. Pull up on the seat rotate lever and rotate the seat to the desired position.
2. Release the handle to lock the seat at any 90° position.



**WARNING**

**DO NOT ATTEMPT TO DRIVE YOUR AVENGER IN ANY SEAT POSITION OTHER THAN FULLY FORWARD.**

#### Flip-Up Armrests

Pull up on the end of either armrest to flip it up for easy transfer on and off your Golden Avenger™.

#### Seating

The Golden Avenger™ seat is available only in black vinyl.



## VI. RIDING YOUR AVENGER™

### MOUNTING

#### **CAUTION**

For your first driving sessions, make certain that your Golden Avenger™ starts out on a level surface and that you will continue driving on a level surface.

To get on Your Avenger™

1. Stand behind your Avenger™
2. Make certain that the brake handle is in the “Forward” position.
3. Pull up on the seat rotate lever.
  - This lever is normally located on the right-hand side of the seat.
  - Pull the lever up, and position the seat in a comfortable position for seating.
  - Release the lever to lock the seat into one of the four preset locking positions.



#### **WARNING**

#### **OPERATING.**

#### **BE SURE YOUR SEAT IS LOCKED IN THE FORWARD POSITION BEFORE**

- Make certain that the seat is positioned for safe and easy mounting.
- Position yourself in the seat.
- Use the seat rotate lever to position the seat in the fully forward direction.
- Fasten your lap belt, if your Avenger™ is so equipped.

### BASIC DRIVING

1. Make certain that you are seated safely and properly on your Avenger™.
2. Turn the speed control dial fully counterclockwise to its slowest setting.

#### **NOTICE**

Reverse movement of the scooter may not occur when the speed control dial is set fully counterclockwise at its slowest setting.

3. Insert the key into the keyhole.
4. Push the key all the way into the key receptacle and turn clockwise to power the scooter.
5. Place your hands on the handgrips.
  - a. If you wish to drive forward, position your right thumb on the right thumb lever and push forward.

- b. If you wish to drive in reverse, position your left thumb on the left thumb lever and push forward.
6. Press against the thumb lever to gently accelerate your Avenger™.
7. Release the lever to allow your Avenger™ to come gently to a full stop.
8. Practice these two basic functions until you feel that you have control of your scooter.

### Steering

Steering your Golden Avenger™ is easy and logical.

1. With both hands on the handgrips of the tiller, turn the tiller to the right to travel to the right.
2. With both hands on the handgrips of the tiller, turn the tiller to the left to travel to the left.
3. Make certain to maintain sufficient clearance when turning your scooter so that the rear wheels will clear any obstacle.



### **WARNING**

**TURNING TOO SHARPLY AROUND A CORNER CAN CAUSE THE SCOOTER 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.**

### Steering in a tight spot

If you must steer in a tight spot, such as entering a doorway or when turning around:

1. Bring your Avenger™ to a full stop.
2. Turn the speed control dial to the slowest setting (Fully counter clockwise)
3. Turn the tiller to the direction in which you wish to drive.
4. Press gently on the appropriate thumb lever and slowly turn your Avenger™.

For more information on dealing with obstacles and tight spots, see “Control through Tight Spots” on the next page.

### Steering in Reverse

Backing up your Avenger™ requires attention to what you are doing

1. Use your left thumb to press against the left thumb lever.
2. Turn the tiller to the left to drive in reverse to the left.
3. Turn the tiller to the right to drive in reverse to the right.

### **NOTICE**

Your Avenger™ speed in reverse is fifty percent of the maximum speed set at the speed control dial.

## VI. RIDING YOUR AVENGER™

### Control through tight spots

As you use your Avenger™ 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 scooter. 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 scooter 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 scooter 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 scooter and to gently press on the thumb lever that will move your scooter 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 scooter 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 scooter and to gently press the thumb lever that will move your scooter slowly in reverse.
4. Allow the power of your Avenger™ to pull the door completely open.
5. When the door is completely open, stop your scooter.
6. Drive through the doorway while keeping your hand on the door to prevent it from hitting or blocking your scooter.
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.

#### Ramps

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

## VI. RIDING YOUR AVENGER™

When proceeding up any ramp, curb, or incline:

- Lean forward in your seat to move your center of gravity forward for maximum stability and safety.

If the ramp has a switchback, good cornering ability is required.

- Maneuver your scooter so that the front wheels take wide swings around the corners of the ramp.
- Doing this will allow your scooter's back wheels to follow a wide arc around the corner, staying clear of obstacles.

If you must stop your scooter while driving up a ramp:

- Starting up again simply requires that you apply gentle and steady forward power (pressure to the right-hand thumb lever).
- Accelerate gently after stopping on any incline.

Driving down a ramp:

- Keep your Avenger™ speed control dial set fully counterclockwise at the slowest speed setting.
- If you must come to a stop, release the thumb control lever slowly and smoothly.



WARNING

**Prevent injury! Do not drive down an incline in reverse.**

Curbs

- Always use caution when negotiating any curb.
- Go up or down a curb only at a direct angle.
- Approach and negotiate the curb so that both back wheels of your scooter go over the curb at the same time.
- Never negotiate inclines or curbs by traversing them. Doing so may cause the scooter to tip over.
- Go down a curb slowly to avoid a jarring bump. Use as little power as possible.

Grass and Gravel

Your Avenger™ performs admirably on grass, gravel, and hills, but you must follow the operational parameters presented in this manual. Refer to the "Safety" section. If you are unsure about any situation, avoid it. Common sense is your best protection.

- Feel free to use your Avenger™ on lawns or in park areas.
- Avoid long or high grass, which may wrap around your scooter's axles.



## VII. DISASSEMBLY



Your Avenger™ scooter is designed to be disassembled in order to be transported. When disassembling your Avenger™, please be sure to follow these simple instructions.

Step 1 - Place your scooter on a level surface. You will be disengaging your brake during disassembly; therefore it is very important to assure that your scooter will not roll.



**WARNING**

**BE SURE YOUR KEY IS OUT OF THE KEY HOLE BEFORE YOU BEGIN DISASSEMBLING YOUR AVENGER™.**

Step 2 - (Optional) Remove the arms from the seat. This will reduce the weight of the seat making it easier to lift.



**WARNING**

**NEVER PULL ON THE ARMS OR USE THEM AS A HANDLE TO MOVE THE SCOOTER AS THEY COULD INADVERTENTLY PULL OUT OF THE RECEIVER BAR CAUSING INJURY.**

Step 3 - Remove the seat from the scooter – Your seat must be turned to either the left or right position to be removed out of the post. Grip the seat on opposite sides and, with a firm grip, pull the seat straight up to remove.

## VII. DISASSEMBLY

Step 4 - Remove the battery cover – This will give you access to the batteries, wire connections, and the main connection pin.



Step 5 - Unplug the following connections (see photos on the following pages).

1. Unplug the two gray battery connectors.
2. Undo the two Velcro retaining straps and remove batteries.
3. Unplug the large white main cable connector.
4. Unplug the small white charger connector.
5. Unplug the gray rear lights connector.

Step 6 - Remove safety retaining clip from the ball detent pin and pull pin out.

Step 7 - With one hand grab top of seat post, with your other hand grab curved rear frame support member. Lift and separate front half from rear.

### AVENGER™ ASSEMBLY/DISASSEMBLY



**WARNING**

**DO NOT SIT ON YOUR AVENGER™ UNLESS BALL DETENT PIN IS INSERTED AND RETAINING CLIP RE- INSTALLED IN BALL DETENT PIN.**



**PINCH/CRUSH HAZARD!**

**BE CAREFUL NOT TO PINCH YOUR FINGER(S) BETWEEN FRAME HALVES DURING RE-ASSEMBLY.**



Step 5, Number 1:  
Unplug the two gray  
battery connectors.

## VII. DISASSEMBLY



Step 5, Number 2:  
Undo the two Velcro retaining straps  
and remove the batteries.



Step 5, Number 3:  
Unplug the large white main cable  
connector.



Step 5, Number 4:  
Unplug the small white charger  
connector.



Step 5, Number 5:  
Unplug the gray rear lights connector.

## VII. DISASSEMBLY



Step 6:  
Remove the safety retaining clip  
from the ball detent pin and pull the  
pin out.



Step 7:  
With one hand, grab the top  
of the seat post, with your other hand grab  
the curved rear support member. Lift and  
separate front half from rear.



## VII. DISASSEMBLY

Now you are ready to load the scooter into your vehicle. Please note the Avenger will not fit into the trunk of a compact car.



*Avenger Components (Model GA541)*



**WARNING**

**DO NOT SIT ON YOUR AVENGER UNLESS THE BALL DETENT PIN IS INSERTED AND THE RETAINING CLIP IS RE-INSTALLED IN THE BALL DETENT PIN.**



**PINCH/CRUSH HAZARD!**

**BE CAREFUL NOT TO PINCH YOUR FINGER(S) BETWEEN FRAME HALVES DURING RE-ASSEMBLY.**

**ASSEMBLE IN REVERSE ORDER.**



**WARNING**

**-- INJURY HAZARD DUE TO IMPROPER ASSEMBLY!**

ENSURE THAT ALL COMPONENTS IN THE SCOOTER HAVE BEEN CORRECTLY ASSEMBLED. DURING ASSEMBLY, PLEASE CHECK THAT ALL CONNECTING/LOCKING DEVICES ARE HOLDING IN PLACE.



**WARNING**

**BE CAREFUL OF PINCH POINTS AND SHARP METAL PARTS (WEAR GLOVES).**



## VIII. ASSEMBLING YOUR AVENGER™

### Summary Sheet

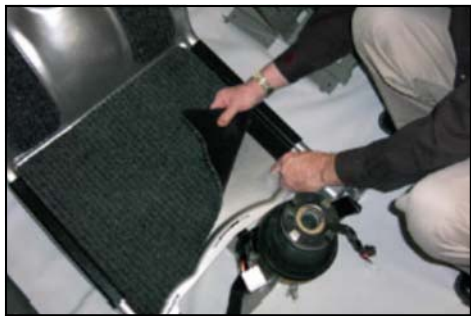
Before you begin to assemble your Avenger, make certain you have all of the parts in front of you, including the seat with armrests attached, the front component, rear component, and battery pack. Below are instructions with photos of how to assemble your Avenger's frame.



Step 1: Line up the front and rear components.



**PINCH/CRUSH HAZARD!**  
**Watch finger placement!**  
**Be careful not to pinch your fingers!**



Look here to find your units serial number.

Step 2:  
Connect the front and rear sections and the components.



**PINCH/CRUSH HAZARD!**  
**WATCH YOUR FINGERS!!!**



## VIII. ASSEMBLING YOUR AVENGER™



Notice how the front component connects easily to the rear component.

Step 3:  
Connect the ball detent pin.



**WARNING** Make certain the ball detent pin is fully installed and tightened.

### Additional Steps to Re-assembling your Avenger™:

Once you've joined front and rear components and connected the ball detent pin, you must:

1. Check to be certain that your Avenger™ brake handle is in the engaged position.
2. the Install the battery pack in the proper location.
2. Connect the motor, brake, battery and charger connections.
3. Replace the battery cover.
4. Install the seat.
5. Position the tiller.



**WARNING** Make sure you tighten your tiller to be sure it is locked!

6. Unlock your front wheel lock knob.



**WARNING** If you do not unlock the lock knob, the tiller will not turn. This can lead to a failure to turn when operating your Avenger™.

## IX. Transporting Your AVENGER™

**NOTICE** Avenger™ scooters can be equipped with docking devices for loading into/onto a vehicle by means of mechanical lift or hoist. Golden Technologies does not sell this lifting equipment, however you may contact your local home health care provider for more information.

To transport your Avenger™

You will want to consider the best way for transportation. Do you own a van? Do you own a SUV? Depending on what type of vehicle you transport the Avenger™ in, you will want to plan where you will store your scooter while driving.

**Note:** The Avenger will not fit in the trunk of a compact car.

- Disassemble or fold down the seat and tiller to easily load into your vehicle.
- Use moving blankets or other forms of padding to protect your Avenger™ during transportation.

### **CAUTION**

- Do not lift your Avenger™ by its plastic body parts. These parts are not designed to be used as handles. Also, damage to these parts is NOT covered in any warranty.
- Do not use tires or wheels to lift the rear carriage. The carriage may rotate and cause injury or damage.



**WARNING** IF YOUR SCOOTER AND ITS COMPONENTS ARE NOT PROPERLY AND SECURELY STOWED, THE SCOOTER OR COMPONENTS MAY SHIFT WHILE DRIVING CAUSING INJURY OR DAMAGE.



**WARNING** Never sit on your Avenger when it is being transported. Always fasten down your Avenger securely with an approved tie-down system supplied by your lift manufacturer while transporting your scooter.



**WARNING** If transporting your scooter on an outside lift, remove the seat. Failure to do so could result in the seat coming loose and becoming airborne. This situation could cause problems for the traffic behind you and possibly result in an injury.



**WARNING** If you use an outside lift system, be sure to secure your battery cover as it could blow away in high winds. Also, if any electronics are exposed to moisture they may fail.



## X. DIAGNOSTICS SYSTEM

### TruCharge Battery Display Diagnostics

#### **NOTICE**

When the display is down to two (2) bars, the batteries must be charged before driving your Avenger.™

| Fault Type | Description                  | Bars    | Self Help Guide                                                                                                                                                                              |
|------------|------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1          | Reaching low voltage         | 1 bar   | The battery needs charging or there is a bad connection to the battery. Check all connections between the controller and the battery. If the connections are good, try charging the battery. |
| 2          | Motor disconnected           | 2 bars  | There is a bad connection to the motor. Check all of the connections between the motor and the controller.                                                                                   |
| 3          | Motor wiring fault           | 3 bars  | The motor has a short circuit to a battery connection. Contact your service agent.                                                                                                           |
| 4          | Parking brake off            | 4 bars  | The freewheel switch or manual brake disengagement mechanism is operated. Check the position of the switch or lever.                                                                         |
| 5          | Not used                     | 5 bars  | Not used.                                                                                                                                                                                    |
| 6          | Inhibit active               | 6 bars  | The controller is being inhibited from driving; this may be caused because the battery charge is still connected or the seat is not in the proper driving position.                          |
| 7          | Throttle potentiometer fault | 7 bars  | A throttle fault is indicated. Make sure the throttle is in the rest position before switching on the scooter.                                                                               |
| 8          | Possible controller fault    | 8 bars  | A controller fault has been indicated. Contact your service agent.                                                                                                                           |
| 9          | Solenoid brake fault         | 9 bars  | There is a bad connection to the parking brake. Check all connections between the parking brake and the controller.                                                                          |
| 10         | High battery voltage         | 10 bars | An excessive voltage has been applied to the controller. This is usually caused by a poor battery connection. Check all connections between the battery and controller.                      |



#### **WARNING**

**DO NOT OPERATE THE SCOOTER IF THE BATTERY IS NEARLY DISCHARGED. FAILURE TO COMPLY WITH THIS CONDITION MAY LEAVE THE USER STRANDED IN AN UNSAFE POSITION.**

## XI. CARE AND MAINTENANCE



This is the “LED” light that will flash in the event of a problem.

### Main Circuit Breaker

The 50-amp circuit breaker and exposed reset button are located under the battery cover. The button is visible through the battery cover. If your Avenger™ fails to operate, your main circuit breaker may have tripped.

### Circuit Breaker

Found on the rear of the unit next to the freewheel brake release.



**WARNING DO NOT ATTEMPT ELECTRICAL REPAIRS. CONSULT GOLDEN TECHNOLOGIES OR YOUR AUTHORIZED GOLDEN PROVIDER.**

Possible causes for the main circuit breaker to trip:

- “Run-down” batteries.
- Over exerting the motor.

Possible solutions:

- Recharge your batteries.
- If the problem persists, have an authorized Golden provider “load test” the batteries to verify they are not damaged.
- If the problem persists, assure your battery charger is operating properly.

### Resetting the Main Circuit Breaker

If the main circuit breaker trips as a result of “run-down” batteries or because of a temporary overload, reset the circuit breaker using the following directions:

1. Wait 5 minutes to allow the motor and electronics board to cool, or return to “normal” operating temperature.
2. Press in on the main circuit breaker reset button.



**WARNING BE SURE YOU REMOVE THE KEY FROM THE KEY RECEPTACLE BEFORE RESETTNG YOUR SCOOTER.**

### NOTICE

If the main circuit breaker continues to trip, there is an underlying electrical fault that needs professional attention. Please contact your local Golden Technologies Provider.

### NOTICE

Do not reset your main circuit breaker repeatedly. You must correct the underlying problem. Failure to correct the problem could cause injury or damage and will void the warranty.

# XI. CARE AND MAINTENANCE

## Wheels and Tires

### PROPER TIRE INFLATION



#### WARNING

Golden Technologies, Inc. does not recommend that you disassemble the tire from the split rim wheels. Consult your authorized Golden provider for assistance with this matter. If you must disassemble a pneumatic tire from the split rim, the tire must be completely deflated. If the tire is not completely deflated, serious injury may occur.

#### NOTICE

Under-inflated tires will cause significant loss of operational range and will also cause the motor control board to overheat.

#### To inflate a tire:

1. Remove the valve stem cap by turning it counter-clockwise.
2. Inflate the tire to the maximum tire pressure recommended by the tire manufacturer.
3. Replace and turn the valve stem cap clockwise to secure it.
4. Repeat steps 1-3 for each tire.



#### WARNING

**Do not exceed the maximum tire pressure recommended by the tire manufacturer .**

#### How to change a tire assembly:

1. Remove the center nut.
2. Remove the tire assembly from the scooter
3. Install a new tire assembly onto the axle.
4. Install and tighten the center nut.

### IF YOUR AVENGER™ DOES NOT OPERATE

- Make certain that the brake handle is set to the engaged (forward) position.
- Check the main circuit breaker. If necessary, reset the circuit breaker.
- Make certain that the speed adjustment dial is at the desired setting.
- Be sure that the key is all the way in the key receptacle and the scooter is "ON" (note, the green "LED" light is illuminated)

IF NONE OF THE ABOVE PROCEDURES SOLVE THE PROBLEM, CONTACT YOUR AUTHORIZED GOLDEN TECHNOLOGIES PROVIDER.

### LUBRICATION

All of the bearings on your Golden Avenger™ are permanently lubricated and sealed.

- No lubrication is required
- Do not lubricate the motor or transaxle.

## XI. CARE AND MAINTENANCE

### Charger and Batteries

The Batteries are under the rear shroud. The charger is located in the pocket on the back of the scooter seat.

To charge the batteries, plug the charger into the tiller and the other end into a standard wall outlet.



**IMPORTANT!** New batteries **MUST** be fully charged prior to the initial use of your scooter.

**Charge new batteries for 12 hours even if the battery gauge already shows a full charge. This is to condition your new batteries for maximum performance.**



**WARNING!** Corrosive chemicals contained inside the battery.  
Explosive battery conditions exist.

**WARNING!** Charger surface can become HOT.  
Electrical hazard!

### BATTERIES AND CHARGING

Battery maintenance is the most important part of maintaining your scooter. Keeping the batteries fully charged helps to extend battery life. Use the following guidelines to help keep your batteries in optimum condition.

- For daily use, keep batteries fully charged. We recommend that you plug in the off-board charger after each use and charge 6-8 hours.

**“For best results please charge your batteries overnight after every use.”**

- If you are not going to use the scooter for more than a week, **fully charge** the batteries and then disconnect them from the scooter. See “Disassembly”, page 24.

### Charging Guidelines Checklist to Maximize Battery Life

- ✓ Use only the automatic off-board charger supplied for all routine charging.
- ✓ Never use an automotive or wet type charger.
- ✓ Avoid deep discharges and never drain the batteries completely.
- ✓ Do not leave batteries in a low state of charge for extended periods. Charge a discharged battery as soon as possible.
- ✓ Fully recharge batteries regularly.
- ✓ Always store batteries fully charged.
- ✓ Check stored batteries once a month and recharge as necessary.

## XI. CARE AND MAINTENANCE

The charger for the Avenger is an off-board charger.

### To Charge the Batteries:

1. Make certain your key is in the “OFF” position.
2. Remove charger from pouch on the back of the seat.
3. Plug the charger AC cord into a working electric outlet and the 3-pin DC plug into the back of the tiller.  
Note: A red and amber “LED” light should now illuminate, showing the batteries are charging.
4. When the charging cycle is complete the amber L.E.D. will turn green indicating a complete charge.
5. Unplug and stow the charger into the seat pouch.

### Simple Tips:

- Check the battery connections.
- It may be necessary to have the batteries “load tested” by your provider.
- It may be necessary to have the charger tested.

**Note:** Your scooter will not move while the charger remains connected.

### Battery Maintenance



**MANDATORY!** Use only AGM or GEL-cell SLA deep-cycle batteries for operating Golden Avenger scooters.

- These batteries are maintenance free.
- There is no danger of spillage or leakage, so these batteries are safely transportable on aircraft, buses, trains, etc.
- By following the procedures set out in this manual, you can expect extended life from your Golden Avenger’s batteries.



### WARNING

**THE BATTERIES USED ON YOUR SCOOTER HOLD A SUBSTANTIAL AMOUNT OF POWER. SHORTING OF THE TERMINALS CAN RESULT IN BURNS OR OTHER INJURIES AND IN DAMAGE TO THE BATTERIES AND TO THE ELECTRONIC COMPONENTS OF YOUR AVENGER. ALWAYS USE CARE AND CAUTION WHEN HANDLING THE BATTERIES.**

# XI. CARE AND MAINTENANCE

If the battery terminals become corroded:

- Corrosion can cause a poor electrical connection and operational problems.
- Clean corroded battery terminals with a stiff brush and a solution of baking soda and water.

## ROUTINE MAINTENANCE

Your scooter requires a minimal amount of care and maintenance. If you do not feel confident in your ability to perform the maintenance listed below, you can schedule an inspection and maintenance with your provider.

- ✓ Make sure your batteries are fully charged daily. See “Battery Charging”.
- ✓ Regularly inspect your scooter’s tires for signs of wear.
- ✓ Regularly inspect all exposed harnessing and connections for wear, damage, and corrosion. Have your provider repair or replace any damaged harness or connector.
- ✓ Periodically check all fasteners for tightness, wear, and corrosion. If any of these are present, turn off the scooter and contact your provider.



### WARNING

**Be careful of pinch points and sharp metal parts (wear gloves).**

- ✓ Keep all the electrical components (charger, console panel, and electronics) free from moisture. If any of these items do become exposed to moisture, let them dry thoroughly before attempting to operate your scooter again.
- ✓ All bearings are permanently lubricated and sealed. No additional lubrication is required.

## CLEANING YOUR AVENGER™

### Tires

- Clean the tires with ordinary kitchen-type cleaners and a damp cloth.
- Do not use solvents on tires. Solvent can cause the tire material to break down or become too soft.
- Check tire pressure every 3 weeks.

### Body

The body (rear shroud, deck shroud) of your scooter is formed ABS plastic and coated with a durable automotive-type finish.

- Clean the body of your scooter as you would clean a car.
- Use cool water mixed with a mild soap to remove dirt and oils.
- Use a non-abrasive car wax on the ABS body parts.
- Buff by hand with a soft cloth.

## NOTICE

**Do not use excess water or pressure when cleaning your scooter.**

### Seat

#### Vinyl Seat:

- A vinyl cleaner may be used.

## XI. WARRANTY



### Consumer Limited Warranty Scooters

Golden Technologies has provided information throughout the owner's manual in regards to proper usage and care of your scooter. Failure to adhere to this information will void the warranty of the scooter, it's parts and the batteries supplied by Golden Technologies.

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.

The warranty covers the following scooter models unless otherwise noted:

- |                                                                             |                                       |                                                |
|-----------------------------------------------------------------------------|---------------------------------------|------------------------------------------------|
| ◆ BUZZaround LT:<br>GB107                                                   | ◆ BUZZaround Extreme:<br>GB118, GB148 | ◆ LiteRider HD:<br>GL112                       |
| ◆ BUZZaround XL Series:<br>GB117D, GB117H, GB117Z<br>GB147D, GB147H, GB147Z | ◆ BUZZaround Luxury:<br>GB119, GB149  | ◆ All Companion Models:<br>GC240, GC340, GC440 |
|                                                                             | ◆ LiteRider Series:<br>GL111, GL141   | ◆ Avenger: GA541<br>◆ Patriot: GR575           |

#### ***Lifetime Limited Warranty:***

For the life of the scooter, from the date of purchase from an authorized Golden Technologies' dealer, 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 | ◆ Tiller Frame | ◆ Seat Post |
| ◆ Frame Welds | ◆ Front Fork   |             |

***\*The GR575 is warranted for FIVE YEARS***

#### ***Two-Year Warranty:***

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

- |             |                                                   |
|-------------|---------------------------------------------------|
| ◆ Transaxle | ◆ Motor/Brake Assembly (electrical function only) |
|-------------|---------------------------------------------------|

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

For the period of two years 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 | ◆ Dash Assembly          | ◆ Wire Harness(es) |
| ◆ Battery Charger       | ◆ Potentiometer Assembly |                    |

**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.**

#### ***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 replace the **batteries supplied by Golden Technologies** if found to be defective by an authorized Golden Technologies representative.



## **XI. WARRANTY**



### **Consumer Limited Warranty Scooters (continued)**

#### ***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 parts found to be defective by an authorized Golden Technologies representative:

- |                         |                     |                      |
|-------------------------|---------------------|----------------------|
| ◆ Bearings              | ◆ Rubber Components | ◆ Plastic Components |
| ◆ Bushings              | (excludes tires)    | (excludes body)      |
| ◆ Seat Swivel Mechanism | ◆ Armrests          |                      |

Items not 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        |                 |              |

This warranty also excludes the following:

- ◆ Loss or theft of components (ie: keys, baskets, etc.)
- ◆ 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 PRODUCT REGISTRATION

Register Now To Lock In Your Warranty and Receive Important Product Updates

**SAVE TIME - REGISTER ONLINE: [WWW.GOLDENTECH.COM](http://WWW.GOLDENTECH.COM)**

**SERIAL NUMBER**

*Most Lift Chairs Have On Controller Wire or Back Rail of the Metal Frame  
Most Scooters & Powerchairs On Seat Post, Under/On Battery, or Under Carpet*

[illegible]**PRODUCT MODEL NUMBER**

Most Lift Chains Start with PR (PR401, PR510, etc).

Most Scooters with G (GA, GB, GC, GL, GR, etc) Most Powerchairs with GP

[illegible]

PURCHASE DATE

FIRST NAME

[illegible]

LAST NAME

[illegible]

## ADDRESS

[illegible]

ADDRESS LINE 2

[illegible]

CITY

[illegible]

STATE / PROVINCE ZIP / POSTAL CODE

[illegible]

E-MAIL ADDRESS

[illegible]**PROVIDER NAME**[illegible]**PROVIDER'S ADDRESS**[illegible]

ADDRESS LINE 2

[illegible]

CITY

[illegible]

STATE / PROVINCE

|  |
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|  |
|  |
|  |

ZIP / POSTAL CODE

[illegible]

COUNTRY

[illegible]

Product comments:

Product comments:

Rate Provider Experience (Circle One - 1 Bad, 5 Great)

- 1
- 2
- 3
- 4
- 5

Fold Here First

Place  
Stamp  
Here

Golden Technologies  
401 Bridge Street  
Old Forge, PA 18518

Fold Here Second

# golden ***Avenger***



**Model GA541**



401 Bridge Street  
Old Forge, PA 18518  
Tel: 800-624-6374  
Fax: 800-628-5165  
[www.goldentech.com](http://www.goldentech.com)