days®
Healthcare

ST-5 Instruction Booklet

Strider
ST#5

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INTRODUCTION

Thank you and congratulations on purchasing your new Days Healthcare Ltd. Mobility Scooter.

We pride ourselves on providing safe and comfortable products. Our goal is to ensure your complete satisfaction. We sincerely hope you enjoy your Days Healthcare Ltd. Mobility Scooter.

Please read and observe all warnings and instructions provided in Instruction Booklet before you operate the various functions of this scooter. Also, please retain this booklet for future reference.

If you have any question, you can contact :

or your local dealer:

IMPORTANT PRECAUTIONS

- This scooter is designed for single person use only at any one time.
- Maximum User Weight is 227 kgs/ 500 lbs.
- Turn key off before getting on or off.
- Always drive carefully and be aware of others using the same area.
- Always use pedestrian crossings wherever possible. Take extreme care when crossing roads.
- Do not drive on slope exceeding 10 degree, and take extreme care when turning on slope.
- Do not use full power when turning.
- Take great care and drive in low speed when backing up, riding downhill or on uneven surface, and climbing kerbs.
- Scooter may not operate well in high humidity.
- If you are caught in rain, it is handy to carry a scooter canopy. It offers complete protection for your and scooter.
- Never put scooter in freewheel whilst on a slope.
- Ensure you abide by any national traffic laws when using the scooter on paths and public highways.

ELECTROMAGNETIC INTERFERENCE AND WARNINGS

CAUTION: It is very important that you read this information regarding the possible effects of Electromagnetic Interference on your motorized scooter.

Powered wheelchairs and motorized scooters may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy (EM) emitted from sources such a radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones. The interference (from radio wave sources) can cause the motorized scooter to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the motorized scooter control system. The intensity of the interfering EM energy can be measured in volts per meter (V/m). Each motorized scooter can resist EMI up to a certain intensity. This is called its "immunity level." The higher the immunity level, the greater the protection. At this time, current technology is capable of achieving at least a 20 V/m immunity level, which would provide useful protection from the more common sources of radiated EMI. The immunity level of this motorized scooter model is not known.

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

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

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

> ⚠ **Some cellular telephones and similar devices transmit signals while they are ON, even when not being used**

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

> ⚠ **Other types of hand-held devices, such as cordless phones, laptop computers, AM/FM radios, TV sets, CD players, and cassette players, and small appliances, such as electric shavers and hair dryers, so far as. we know, are not likely to cause EMI problems to your motorized scooter.**

Motorized Scooter Electromagnetic Interference :

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

Warnings :

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

1. Do not operate hand-held transceivers (transmitters-receivers), such as citizens band (CB) radios, or turn ON personal communication devices, such as cellular phones, while the motorized scooter is turned ON;

2. Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them;

3. If unintended movement or brake release occurs, turn the motorized scooter OFF as soon as it is safe;

4. Be aware that adding accessories or components, or modifying the motorized scooter, may make it more susceptible to EMI; and

> ⚠ **There is no easy way to evaluate their effect on the overall immunity of the motorized scooter.**

5. Report all incidents of unintended movement or brake release to the distributor listed on the inside front cover of this manual. Note whether there is a source of EMI nearby.

Important Information :

1. 20 volts per meter (V/m) is a generally achievable and useful immunity level against EMI (as of May 1994). The higher the level, the greater the protection.

2. The immunity level of this product is at least 20/Vm.

IDENTIFICATION OF PARTS

Before attempting to drive this scooter on your own, it is important that you familiarize yourself with the controls, and how to operate

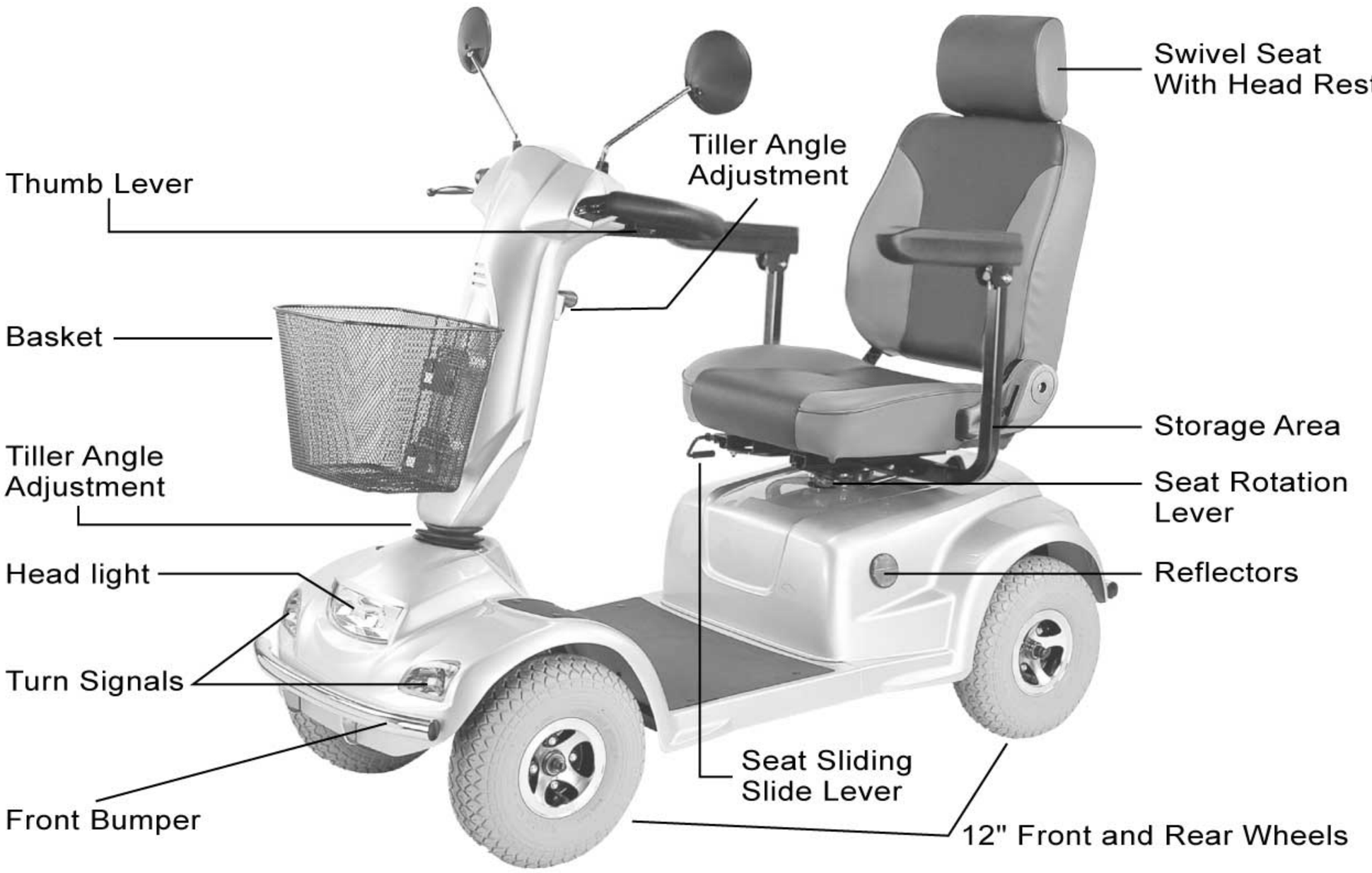


Figure 1 - ST-5 Front View

Figure 2 - ST-5 Control Panel

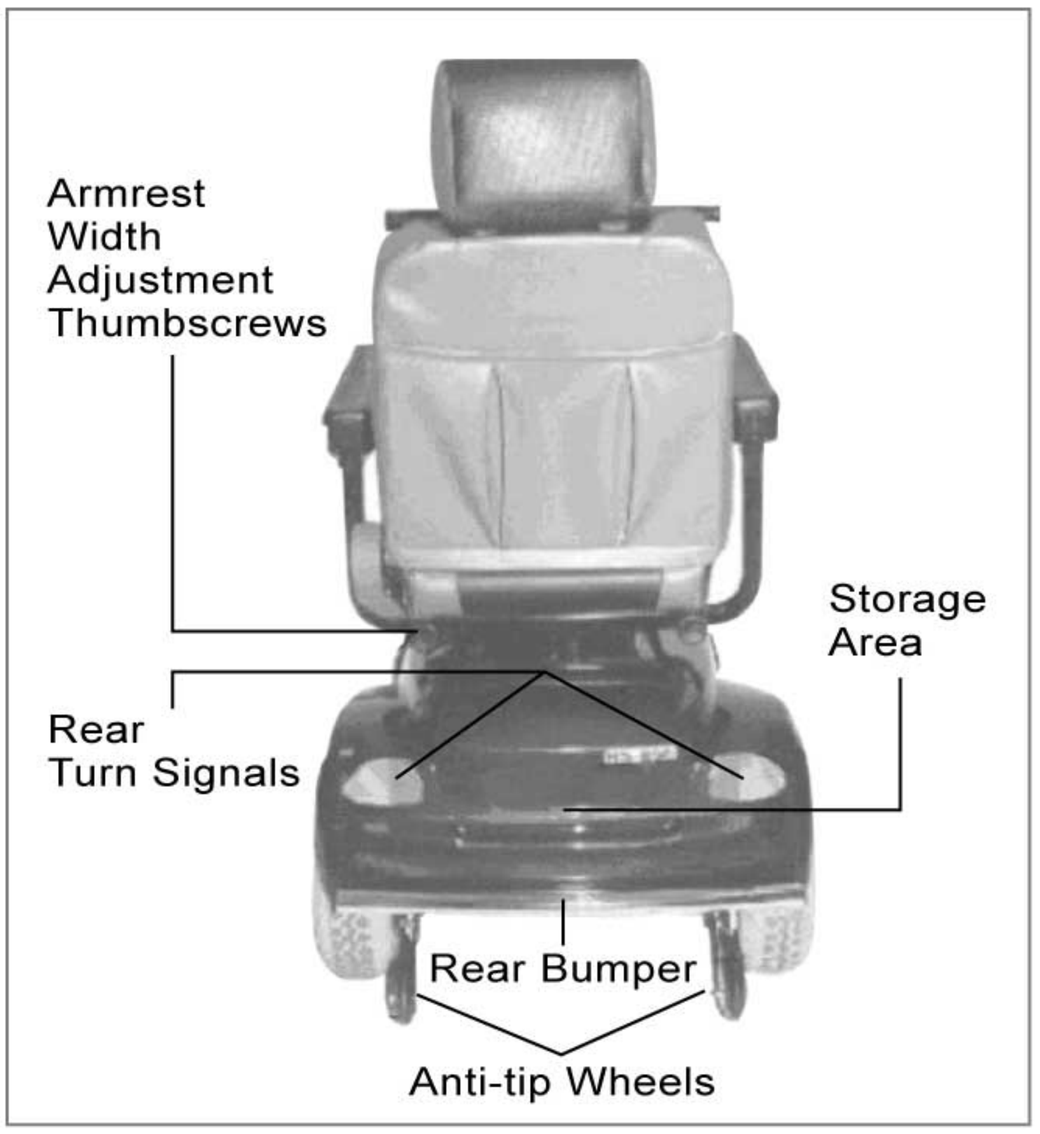


Figure 3 - ST-5 Rear View

FUNCTION OF PARTS :

TOP CONTROL PANEL

- Speed Dial Knob
  The Rabbit means fast and Turtle is slow. By turning this you control total speed transferred to thumb controls.

- Battery Gauge
  This meter shows battery charge.

- Hi/Lo Speed Switch allows speed to be changed from the normal maximum 12.8 kmph to half for pavement use.

ADJACENT TO TOP CONTROL PANEL

- Thumb Lever
  Pushing right thumb lever moves scooter forward. Pushing left thumb lever moves the scooter backward. (This can be reversed if required by local dealer.) Releasing both, engages automatic brake. These are also your accelerator. The further you depress them, the faster you go. (Subject to the position of the Rabbit/Turtle control).

TILLER ANGLE ADJUSTMENT

Pull tiller adjustment lever down to adjust tiller angle and release to lock at a comfortable position.

SEAT HEIGHT ADJUSTMENT

- There are three holes on the seat tube to adjust seat height. Be sure the detent pin is fully inserted at its new height before sitting on the seat.

- Armrest width Adjustment Thumbscrews
  Loosen the two thumbscrews to adjust arm width; tighten again to lock in at desired position.

- Seat Adjustment
  The seat position can be adjusted to increase or reduce legroom by moving the detent pin along the series of holes on the frame tube. Pull the toggle latch to loosen and insert the detent pin to locate the position. Push the toggle latch again to lock.

REAR BODY

- Rear Compartment Cover
  Open the compartment Cover to access on the board charger.

- Anti-tip wheels
  Prevents the scooter from tipping on a slope or uneven terrain.
- Free-Wheeling Lever

  When lever is in N (Neutral) position, the scooter can be moved without power.
  When lever is in D (Drive) position, scooter can be driven. Normal position is D.

OPERATING YOUR SCOOTER

You could make the following adjustments to increase your comfort when driving.

- **adjust seat height and location**
- **adjust armrest width to comfortable position.**
- **adjust legroom.**

1.Before operating your scooter, check the following:

- Freewheel lever in D
- speed dial knob is at turtle picture.

2.Sit on scooter and turn on key, Battery Gauge meter should indicate at F.
The Self-Diagnostic Warning Light should not be flashing.

3.When your hands rest comfortably on handlebars, the thumb levers should be within easy reach. The right lever moves scooter forward, the left one moves it backward. When you release both levers, the scooter will stop.

> ⚠ **This scooter has an automatic braking system. Release the thumb lever and the brake will stop scooter.**

4.Steering the scooter is done by turning tiller in the direction of intended travel.

5.Practice driving the scooter in an area with no obstacles to familiarise yourself with the turning and starting/stopping operations. Start at the slowest speed and drive forwards and backwards As you become comfortable, you can increase the speed by turning speed dial towards the picture of rabbit.

6.If the Battery Gauge indicates E, you should recharge batteries as soon as possible.

7.If scooter stops, locate the circuit breaker on top of the battery pack. Push it and try driving again.

8.When you stop driving the scooter, turn off the key before getting off.

9.When the scooter is not being used the batteries should be placed on charge.
See CHARGING THE BATTERIES, page 12.

Keep in mind these rules :

- Release the thumb levers and allow the scooter to stop completely before changing from forward to reverse, or reverse to forward.
- When negotiating a corner always turn slightly wider than necessary as the rear wheels take a sharper and more direct route and not that of the front steering wheels.
- A slow speed must always be used when ascending, descending or traversing a slope or incline and also on uneven terrain, ramps and soft or loose surfaces, such as gravel or grass

Other Operating Information :

Hill climbing: You may need to use a higher speed. Turn to a lower speed before attempting to travel downhill.

Down slopes: When attempting to travel down a slope caution must be taken and the speed setting set to the sign of the turtle. The scooter speed, when set in this position, will not accelerate as you descend the slope due to the automatic braking system which prevents an uncontrolled situation

Kerb climbing: Approach slowly at right angles to kerb. A slight angle is permissible with a 4-wheel scooter, but a direct approach is needed on a 3-wheel scooter. Do not attempt greater than a 3" kerb.

If Self-Diagnostic Warning Light starts to flash, refer to the chart on page 14 and take action.

If the scooter breaks down and must be moved, get off the scooter, engage freewheel Lever to N, push scooter slowly to a safe location, and push lever back to D.

In an unlikely event of a panel display error, you need to re-set the display system by turning the scooter off and back on again. The display circuitry is independent of the motor control system. A display console error does not affect scooter speed control.

DISASSEMBLING YOUR SCOOTER

The ST-5 compact design and light weight style allows it to fit easily into boot or back seat of most vehicles. No tools are necessary to disassemble scooter.

Remove the seat by releasing Seat Rotation Lever (A) and then lift the seat off. (See Fig. 4)
Remove the rear shroud (B) off the scooter. (See Fig. 5)

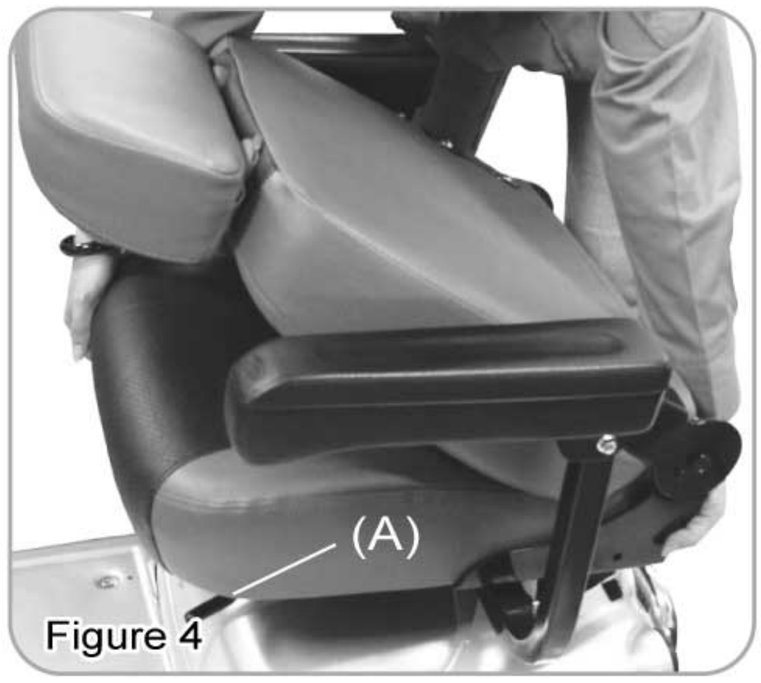


Figure 4

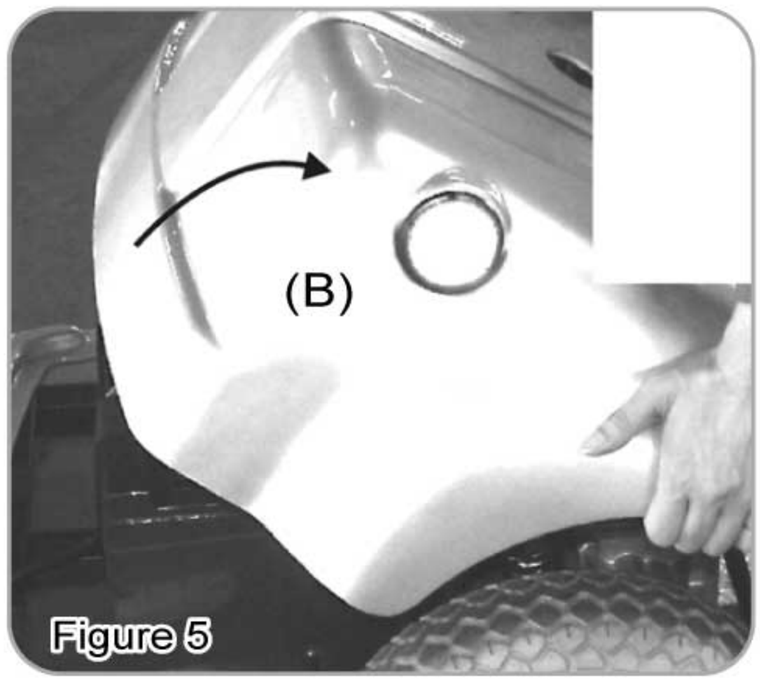


Figure 5

Unscrew the two wire connectors (C) between the front and rear units. (See Fig. 6)
Remove the battery fixing Velcro (D). (See Fig. 7)

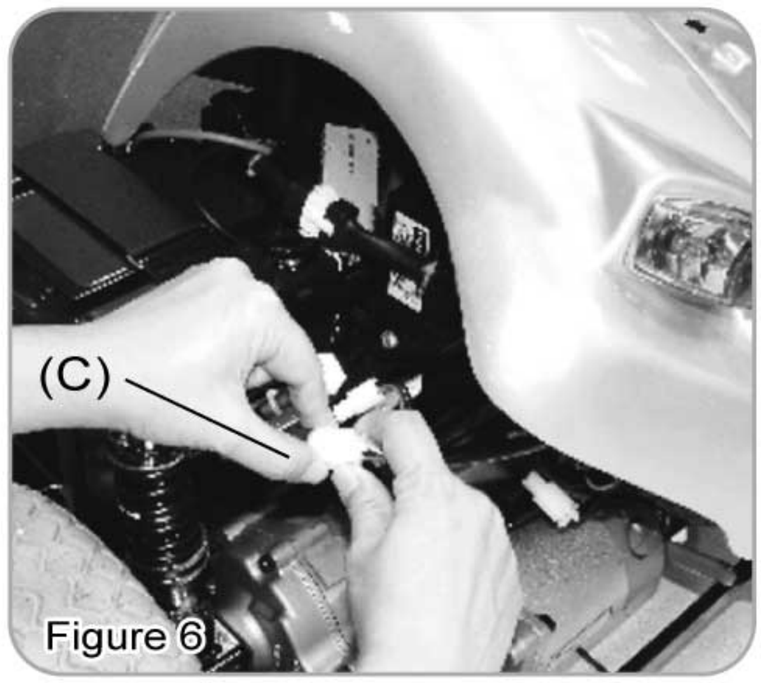


Figure 6

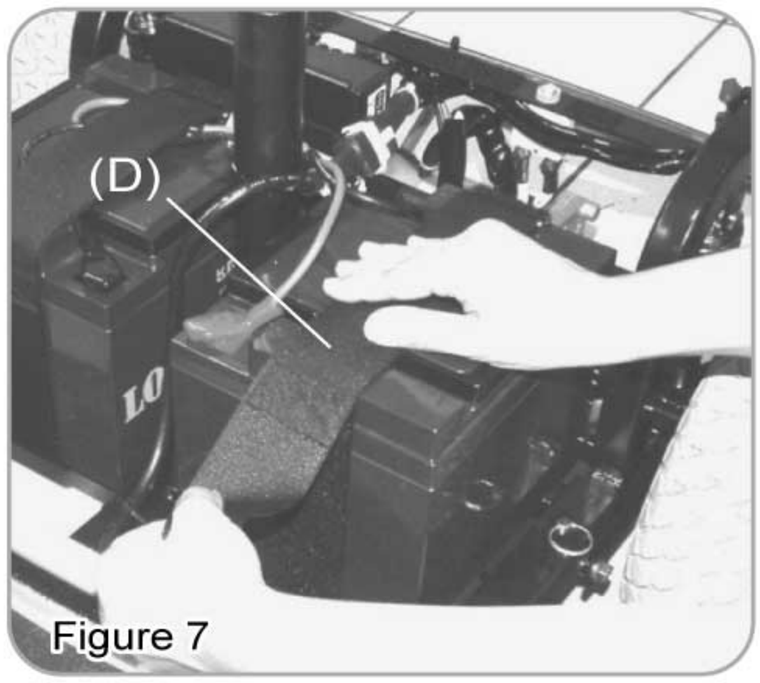


Figure 7

Detach the battery power plugs (E). (See Fig. 8)
Remove batteries (F). (See Fig. 9)

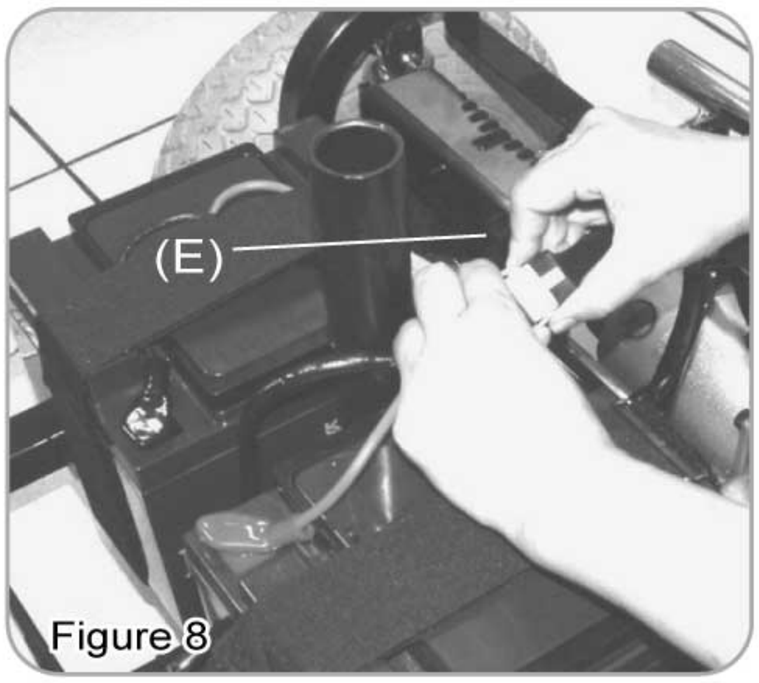


Figure 8

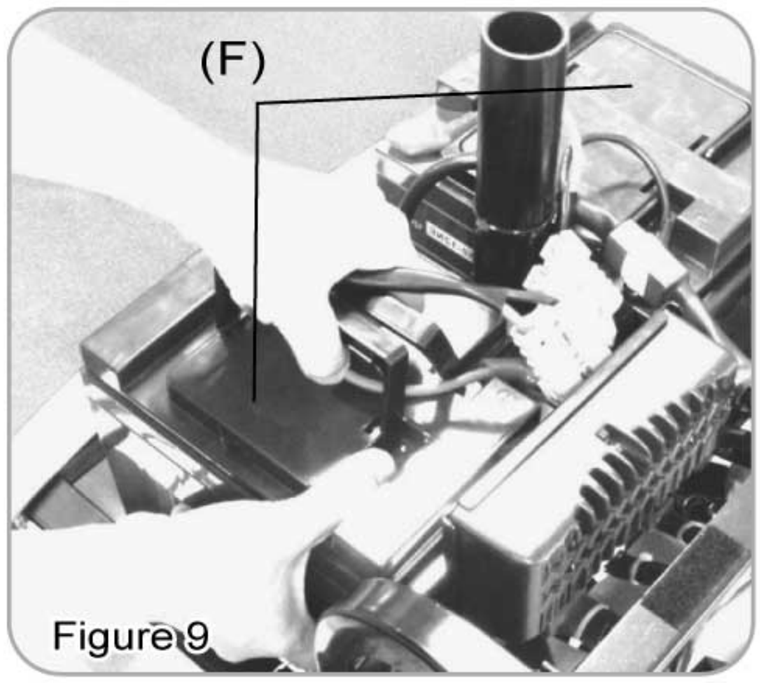


Figure 9

Remove front basket (G) and lower the tiller by pulling tiller adjustment (H) and push tiller down. (See Fig. 10)

Following these instructions from figure (4) to figure (10) , will give 5 component assemblies that will enable the scooter to be transported in the boot of a motor vehicle. (See Fig. 11)

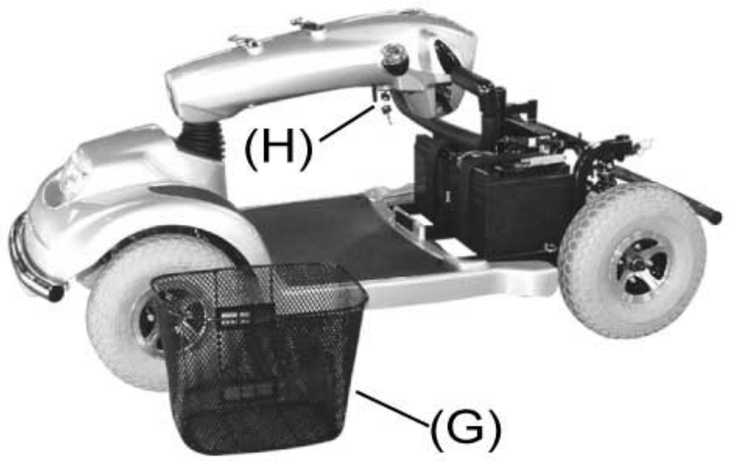


Figure 10

Figure 11

ASSEMBLING YOUR SCOOTER

To assemble scooter, you can repeat disassembly directions in reverse. Abbreviated directions are given below. Refer to Figures on pages 9 - 11 to locate parts.

1.Use the tiller adjustment to move tiller up and out of the way.

2.Place front basket.

3.Place battery pack in battery compartment.

4.Place seat on seat post and tighten seat locker knob.

CHARGING THE BATTERIES

Batteries must be charged before using the scooter for the first time and should be recharged after each daily use.

> ⚠ Each country may require a different charger. The charging procedure may vary slightly from below. If you require further details, please contact your authorized dealer.
>
> Always ensure the scooter key is in the OFF position before charging the batteries.

Operating instruction :

1. Always ensure the battery charger output voltage is the same as the connecting battery.
2. Plug in the power cord. LED indicates green flash when AC power on.
3. Connect the battery charger to the battery.
4. Start charging;please refer to 4. LED INDICATION

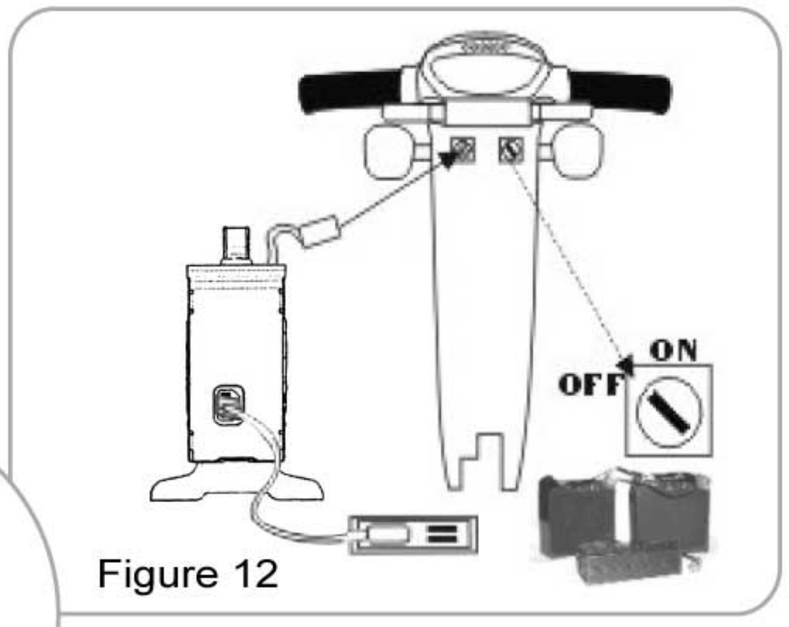
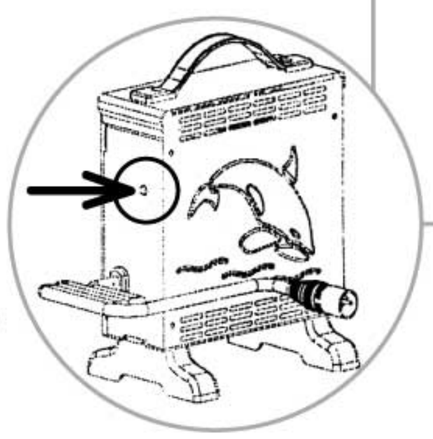


Figure 12

Indicator :



1. Green Flash : Power On
2. Orange Flash : Pre Charge
3. Orange : Charging
4. Green&Orange Flash : Charged 80%
5. Green : Full Charge
6. Red Flash : Defect

Trouble shooting :

1. If green indicator is off :
   - Check AC input. If it works normally, the battery charger may be defective.
2. If green indicator keeps flashing, and won't turn to charging indication:
   - Check if the battery is connected correctly.
   - Check if the output connection is short or open.
   - If the battery connection is correct, the battery charger may be defective.
3. If red indicator keeps flashing:
   - Check if the battery connection is reversed.
   - Check if the output connection is short or open.
   - Check if the environment temperature is too low (0°C)
   - If the red indicator still keeps flashing, the battery charger may be defective.
4. Charging indicator (orange) can't turn to green:
   - The battery may be defective please stop charging and have the battery replaced.
5. If the charging indicator (orange) turns green (fully charged) immediately:
   - The battery may be in fully charged condition.
   - If the battery is not fully charged, the battery may be defective.

> ⚠ The time required to recharge will vary depending on the depletion of the batteries. Charging for longer than necessary will not harm the batteries. They can not be overcharged.

CAUTION :

1. Before using the battery charger, read all instructions and cautionary markings.
2. Use the battery charger in a well-ventilated area.
3. To avoid the risk of injury, charge only lead-acid or gel cell type rechargeable batteries.
4. Please turn off the power after charging.

CARE AND MAINTENANCE

Cleaning Your Scooter :

If your scooter is dirty, use a damp or soapy cloth to wipe it down. Do not use running water to wash or rinse scooter in order to protect electrical parts. Polish with an automotive liquid polish.

Maintaining Your Scooter :

All maintenance and repair of scooter should be done by an authorized dealer.
The following areas require periodic inspection:

- Tyre pressure between 30-50 lbs
- All electrical connections are firmly attached

Storing Your Scooter :

When not in use your scooter should be stored in a clean and dry location.

TROUBLESHOOTING

Here are some suggestions about solving problems you may have with your scooter. There is a Self-Diagnostic Warning Light on the Control Panel. To check the Self-Diagnostic Warning Light, turn on the key and count the number of flashes on the Warning Light.

Number of Flashes	Problem	Solution
1	Battery needs recharging	Recharge the batteries.
2	Battery voltage too low to operate scooter	Must recharge before using. Check battery condition and connections.
3	Battery voltage too high	Check battery condition and connections. Contact your authorized dealer to check your battery charger.
4	Short in motor	Contact your authorized dealer.
5	Brake malfunction	Contact your authorized dealer.
6	Thumb lever not in neutral	Contact your authorized dealer.
7	Thumb lever malfunction	Contact your authorized dealer.
8	Motor problems	Contact your authorized dealer.
9	Other internal errors	Contact your authorized dealer.

Other Problems
Low tyre pressure: pump up tyres to 30-50 lbs.

During charging, light on charger does not change to green: Contact your authorized dealer.

Scooter will not move when key is turned on:

1. Check Power Reserve Indicator on control panel, it should be lighting in green, yellow, and red zones.

2. Check Self-Diagnostic Warning Light, it should be steady. If it is flashing, see chart above for problem identification.

3. Check all electrical connections to be sure they are tight.

4. If none of above correct problem, contact your authorized dealer.

TECHNICAL SPECIFICATIONS

Overall Length	1530 mm / 60.2"
Overall Width	685 mm / 27"
Overall Height	1070 mm / 42.1"
Wheels : Front	320 mm / 13"
Wheels : Rear	320 mm / 13"
Weight w/ Batteries	128.4 kg / 284 lbs
Max. Speed	12.8 kmph / 7.95 mph
Maximum Weight Capacity	227 kg / 500 lbs
Ground Clearance	85 mm / 3.3"
Maximum Safe Slope	10 degree
Kerb Climbing	70 mm / 2.8"
Turning Radius	1730 mm / 68.1"
Suspension	Front & Rear
Brake	Electro-Mechanical
Seat Type	Sliding and Swivel Reclining Captain W/Headrest
Seat Width	480 mm / 19"
Motor Size	700W 5400 r.p.m
Battery	(2) 12V. 75Ah
Weight Of Batteries	50.7 kg / 112 lbs
Weight of Heaviest Component	60 kg / 132 lbs
Travel Range	37.5 km / 23.4 Miles
Battery Charger	8A Off Board
Electronics	On / Off Key Switch, Battery Level Indicator, Speed Control Knob

*Subject to change without notice.