Feel free to enjoy life!

MERCURY

SCOOTER RANGE

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MERCURY

Mercury GT

OWNERS MANUAL

CE

GT

The team at Medicare Technology develops its products to give our customers the freedom to live independently. This encompasses their daily home life and provides them with the opportunity to enjoy an outing with family and friends. Our goal is to develop a range that will provide individuals with a chance to enjoy every day life.

medicare*technology*
LIMITED

MERCURY M48 GT OWNER'S HANDBOOK

TABLE OF CONTENTS

1. PREFACE AND INTRODUCTION

Please carefully read this owner's manual before using the vehicle. Improper use of the vehicle could result in harm, injury or traffic accidents. Therefore to get the most from the vehicle read this owner's manual.

- This owner's manual includes operation instructions for every aspect of the vehicle, assembly instructions, as well as instructions for how to deal with possible incidents.
- The symbols used in this manual are explained below. Pay particular attention to the notes marked with the symbols below:

☠ Warning	Improper use could result in serious injury or death
☞ Attention	Improper use could lead to injury and/or damage to your scooter
🕮 Suggestion	Follow these instructions to keep your vehicle in good working order

- This manual includes a copy of the repair and maintenance record chart and warranty information. Keep it in a safe place or with the scooter.
- If somebody else uses the scooter, make sure that you provide them with this owner's manual for his or her consideration.
- As designs change some illustrations and pictures in the manual may not correspond to the vehicle that you purchased. We reserve the right to make design modifications.
- Our scooters have been designed and manufactured to provide a comfortable and secure yet affordable solution for some mobility requirements.

🕮 Suggestion

To optimise battery efficiency and longevity, fully recharge your new batteries before use.

2. SAFETY NOTICE

2.1 BEFORE DRIVING

The user needs to be familiar with the usage and operation of this vehicle before driving. Therefore, always keep the following safety notices in mind.

- **The same traffic rules apply to the use of this vehicle as apply to pedestrians**

  For your safety, follow the rules that apply to pedestrians.

  - Ride on the pavement, single carriage roads, or pedestrian areas only. Never ride on motorways or dual carriageways.
  - Be aware of traffic when crossing or using the road.
  - Be extremely cautious when driving your scooter on busy streets or in shopping malls.
  - Do not drive your scooter after consuming alcohol or when you are tired. It is an offence to drive this scooter whilst under the influence of alcohol.
  - Be careful when driving your scooter in low light. It has not been designed for use at night.
  - The scooter may only be used on the pavement or pedestrian areas at 4mph or less. Use the indoor/outdoor switch to ensure you keep within this limit. The scooter may be used on single carriageways with the outdoor setting engaged.

- **Practice operating your vehicle**

  Before using the scooter in busy or potentially dangerous areas familiarize yourself with the operation of your scooter. Practice in a wide and open area like a park. In order to avoid accidents with your scooter whilst driving, bear in mind driving motions, such as accelerating, stopping, turning, reversing and travelling on gradients.

  - Turn the speed dial to '3' for your initial practice.
  - Be sure somebody accompanies you for safety when driving on the road for the first time.
  - Only use the higher speed setting when you are confident that you can easily operate and control your scooter.

- **The scooter is only to be used by one person at a time**

  Do not carry passengers on your scooter (including children)

- **Do not use this vehicle to carry or haul goods**

  - The maximum weight capacity of this scooter is 250kg (39 stone) as stated in the 'Specification' section.

- Maximum loading weight for front basket is 5kg (11lb).

2.2 WHILST DRIVING

- Carry out daily inspections. Refer to the section entitled 'Daily Checking'
- Do not move your body out of the vehicle while moving
- Pay attention that your clothes do not get caught in the wheels
- Such action may cause you to lose balance and risk injury from falling

- **Do not use your vehicle under the circumstances below:**
  - On roads with heavy traffic or roads that are muddy, gravely, bumpy, narrow, snowed over, icy or canal towpaths not guarded by any fence or hedge. Keep away from places where you might get the wheels stuck
  - Do not drive at night or when it is raining, snowing, misty or windy
  - Do not drive your vehicle in an 'S' pattern or make erratic turns
  - Do not take the scooter onto escalators
  - UNDER NO CIRCUMSTANCES SHOULD THE SCOOTER BE USED AS A SEAT IN A MOTOR VEHICLE (E.G. CARS, BUSES, TRAINS, ETC)

- **About mobile phone and other electrical equipment**
  - Do not use a mobile phone or other long-range wireless communication devices while driving.
  - Always switch off the scooter and remove the ignition key before using a mobile phone.
  - Do not charge the mobile phone or any other electrical devices from your scooter's battery

- **Automatic Power Shut Down**

  In order to avoid accidental battery run down, your scooter is equipped with an automatic power shut down facility. If the scooter is switched on, after remaining undisturbed for a period of thirty minutes it will automatically turn off. Should this occur, simply switch your scooter off and back on and it will be ready to use once again.

- **Ramps, Gradients and Drops**
  - Do not drive onto gradient steeper than 10° / 1 in 6
  - Always use a low speed setting when ascending or descending a gradient
  - Do not drive on roads with large drops or potholes.
  - Do not cross water gutters where the width is too big and where there is a risk of getting the wheels stuck.
  - Slow down when driving on roads with gradients

- **Starting and Driving**

1. Make sure the seat is installed properly
2. Make sure the tiller has been secured properly
3. Fold down the armrests so you can rest your arms on them
4. Turn the ignition on. If necessary, turn on the headlights
5. Check battery indicator to see whether there is enough power for your journey. If you have any doubt about the remaining power, recharge the batteries before departure
6. Set the speed dial to a position you feel safe and comfortable with
7. Check the forward / reverse wigwag paddle works correctly
8. Make sure the electromagnetic brake works correctly
9. Make sure it is safe around you before you drive on the street. Engage the indoor setting if you are driving on the pavement

☠ **WARNING**

- Do not set in the freewheel mode when driving on a gradient.
- Always re-engage the freewheel device to DRIVE before use.

  Failure to do so may result in injury.

- **Maximum user weight limit**

  The maximum user weight for the scooter is 250kg (39 stone). Overloading past this weight limit may lead to damage of your scooter or cause it to malfunction and will endanger your safety. The warranty does not cover this type of damage.

☞ ATTENTION

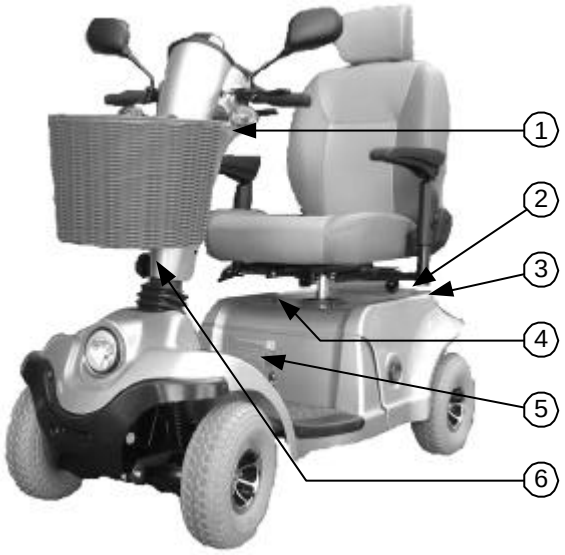
1. Do not push both RH and LH sides of the speed control lever simultaneously. This might leave you unable to control your scooter.
2. Do not turn the ignition off whilst driving as this will lead to an emergency stop and possible risk of accident and injury.
3. Do not set to the outdoor speed setting whilst driving indoors.
4. Do not adjust the speed dial while driving, a sudden change in speed may cause danger to you and others, and may cause damage to your scooter.
5. Do not place magnetic devices near the controller and tiller areas as this could affect the safe operation of your scooter.
6. Do be careful while driving in heavy traffic or crowded areas.
7. While reversing the vehicle, beware of people and / or objects behind you.

- **Stopping**

  1. Release the speed control lever completely. The vehicle will naturally brake and stop.
  2. Turn the power switch to OFF. Then pull out the key.
  3. In an emergency, braking distance will be halved if the throttle is shifted to full reverse whilst travelling forward.

2.3 LABELLING

Please carefully read all labels on the scooter before using. For your future reference, do not remove the labels. A copy of the labels and their positions are shown below:



(1)
WARNING
Please hold the tiller before loosening the tiller adjustment knob. Otherwise a fall from the scooter could occur causing bodily injury and/or damage to the scooter.

NEVER LIFT THE SCOOTER OR POWERCHAIR UP BY THE FRONT OR REAR SHROUD (4)

WARNING
Never operate the freewheel lever while sat on the scooter or on an incline. Operation of the FREEWHEEL LEVER
- Always pull UP FIRMLY for freewheel mode
- Always push DOWN FIRMLY for drive mode

(2)

WARNING
- Before lifting up the rear shroud, please make sure to adjust the T-handlebar to the front most position. After lifting the rear shroud, please ensure that the prop levers are in the lock position before proceding on any operation.
- When retreiving the rear shroud to the original position, please make sure to hold the lift bar with one hand and lift down the shroud slowly. It is dangerous and prohibited to put head or hands under the shroud in any circumstance.

(3)

WARNING:

(5)

Radio wave sources may affect scooter or powerchair control
Radio wave sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones can affect powered motorized scooters or powerchairs. Following the warnings listed below should reduce the chance of unintended brake release or powered scooter / powerchair movement which could result in serious injury.
1. Do not turn ON hand-held personal communication devices, such as citizens band (CB) radios and cellular phones, while the powered scooter or powerchair 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 powered scooter or powerchair OFF as soon as it is safe.
4. Be aware that adding accessories or components, or modifying the powered scooter or powerchair, may make it more susceptible to interference fro radio wave sources (Note: There is no easy way to evaluate their effect on the overll immunity of the powered scooter or powerchair.
5. Report all incidents of unintended movement or brake release to the manufacturer, and note whether there is a radio wave source nearby.

WARNING
- Do not operate the scooter unless the handlebar is in the lock position.
- Do not lean against or pull forward on the handlebar while mounting or dismounting from the scooter. Serious harm or injury can occur.

The manufacturer disclaims all responsibility for any personal injury or property damage which may occur as a result of improper or unsafe use of its products.

(6)

2.4 EMI

This section will provide the user with basic information that describes the problems with EMI, known sources of EMI, protective measures either to lessen the possibility or exposure or to minimize the degree of exposure, and suggested action should unexpected or erratic movement occur.

Caution: It is very important that you read this information regarding the possible effects of electromagnetic interference on your electric scooter.

ELECTROMAGNETIC INTERFERENCE (EMI) FROM RADIO WAVE SOURCES

Powered vehicles may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy (EM) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones. The interference (from radio wave sources) can cause the powered vehicle to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the powered vehicle's control system. The intensity of the interfering EM energy can be measured in volts per metre (V/m). Each powered vehicle can resist EMI up to a certain intensity. This is called it's 'immunity level'. The higher the immunity level, the greater the protection. At this time, current technology is capable of achieving at least a 20 V/m immunity level, which would provide useful protection from the more common sources of radiated EMI. This powered vehicle as shipped, with no further modification, has an immunity level of 20 V/m without any accessories.

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 (transmitter-receivers with the antenna mounted directly on the transmitting unit. Examples include: citizens band (CB) radios, 'walkie talkies', security / fire / police transceivers, and mobile telephones.

   Note: Some mobile telephones and similar equipment transmit signal while they are ON, even when not being used.

2. Medium-range mobile transceivers, such as those used in police cars, fire engines, ambulances and taxis. These usually have antennae mounted on the outside of the vehicle.

3. Long-range transmitters and transceivers, such as commercial broadcast transmitters (radio and TV broadcast towers) and amateur (HAM) radios.

Note: Other types of hand-held devices, such as cordless phones, laptop computers, AM/FM radios, TV sets, CD and DVD 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 powered vehicle.

POWERED VEHICLE ELECTROMAGNETIC INTERFERENCE (EMI)

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

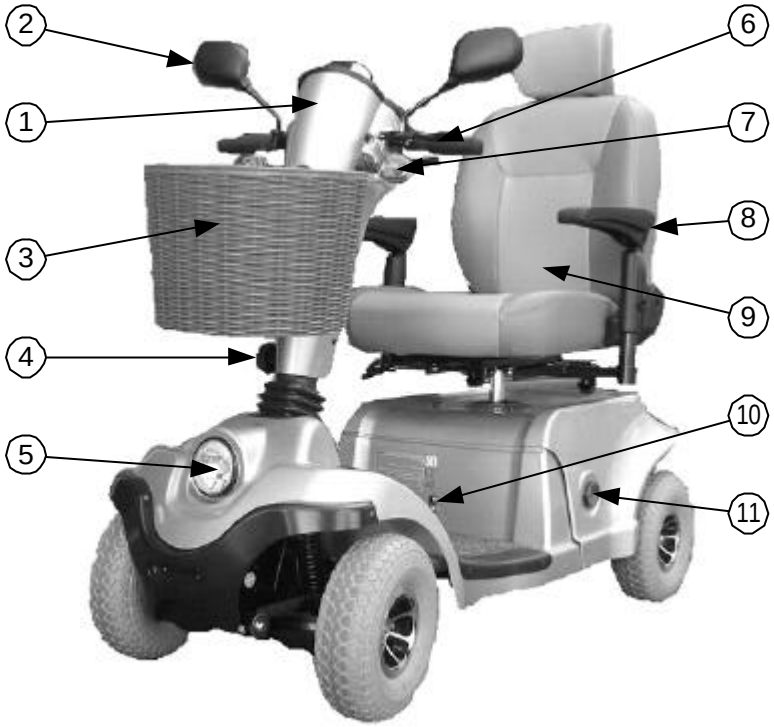
Warnings: EMI from sources such as radio and TV stations, amateur radio (HAM) transmitters, two-way radios, and mobile phones can affect your vehicle. Following the warnings listed below should reduce the chance of unintended brake release or powered vehicle movement which could result in serious injury.

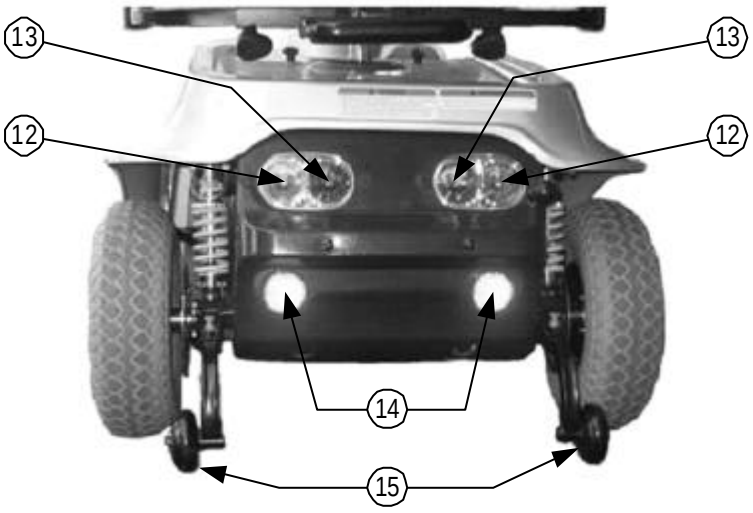
1. Do not operate hand-held transceivers (such as CB radios) or turn on personal communication device (such as mobile phones) while the scooter is switched on.
2. Be aware of nearby transmitters (such as radio or TV station) and try to avoid coming close to them.
3. If unintended movement or brake release occurs, switch the scooter off as soon as it is safe.
4. Be aware that adding accessories or components, or modifying the scooter, may make it more susceptible to EMI (Note: There is no easy way to evaluate their effect on the overall immunity of the scooter).
5. Report all incidents of unintended movement or brake release to the scooter manufacturer and note whether there is a source of EMI nearby.

IMPORTANT INFORMATION

1. 20 V/m is a generally achievable and useful immunity level against EMI (the higher the level, the greater the protection)
2. This product has an immunity level of 20 V/m without any accessories connected to it.

3. PARTS DESCRIPTION



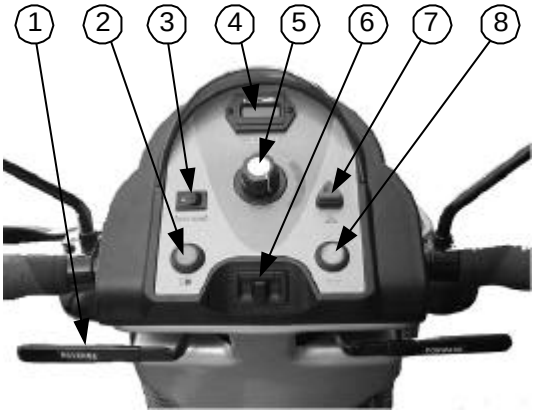


PARTS DESCRIPTION

1. Tiller
2. Rear view mirror
3. Shopping basket
4. Tiller adjustment knob
5. Head lamp
6. Hand brake lever
7. Front indicator lamp
8. Arm rest
9. Seat
10. Reset switch (circuit breaker)
11. Side reflector
12. Rear indicator lamp
13. Rear lamp / brake lamp
14. Rear reflector
15. Anti-tip wheels

4. OPERATION

4.1 CONTROL PANEL



1. Wigwag paddle
2. Head light switch
3. 4mph / 8mph switch
4. Battery gauge
5. Speed dial
6. Indicator switch
7. Hazard light switch
8. Horn

4.2 HOW TO OPERATE YOUR SCOOTER

- **Ignition Switch**
  - The ignition switch is operated by the key supplied, and is located on the right hand side of the tiller below the front indicator lamp.
  - To switch the scooter on, insert the key and turn 90° clockwise
  - To switch the scooter off, turn the key 90° anticlockwise and remove (note that the key cannot be removed whilst the scooter is switched on.

- **Forward, Reverse and Braking**
  - Push the wigwag paddle forwards with your right thumb and the vehicle will move forward.
  - Push the wigwag paddle forwards with your left thumb and the vehicle will move backward.
  - The horn will sound when the vehicle is reversing.
  - Release the wigwag paddle freely while moving, and the electromagnetic brake in the motor will be activated. The rear brake lights will also illuminate when the electromagnetic brake is operating.
  - The controls can be reversed for left-handed people or those who do not have full use of their right arm. Please enquire with your dealer about this setting.

- **Manual Brake**

  As well as an electromagnetic brake, the M48 GT has a manual cable brake. Squeeze the brake lever to apply the brake then release the lever to release the brake.

- **Speed Dial**
  - The position of this dial determines the maximum attainable speed of the scooter.
  - Turn the dial clockwise to increase the maximum speed, or turn the dial anticlockwise to reduce the maximum speed attainable.

- **Indicator switch**
  - This switch flashes the right hand side or left hand side indicators intermittently.
  - To use the indicators, push the switch in the required direction of travel (i.e. left or right) and release the switch. To switch the indicators off, push the switch in and release.

- **Horn button**
  - Press the horn button to sound the horn. Release the button to stop the horn from sounding.

- **Head light switch**
  - Push the head light button to switch on the front and rear head lights. Push the button again to turn the lights off.

- **Battery Indicator**
  - When the ignition is switched on the battery gauge will illuminate to indicate the remaining battery power by the number of segments lit on the battery gauge. The remaining power indicated by the gauge will vary by the way you drive. Driving up inclines and repeated stopping and starting will consume power more quickly.
  - If the battery gauge flashes but the scooter will still drive, then this indicates low battery power and the batteries should be recharged immediately. If the battery gauge flashes and the scooter will not drive, this indicates that a fault has been detected with the scooter. In this case seek advise from your dealer.

📖 Suggestion

1. You should recharge the batteries each time the vehicle is used to ensure maximum range and optimal battery performance. If the scooter is stood idle, the batteries should still be charged once a week to maintain battery performance.
2. After charging or replacing a new battery, drive the vehicle for 2 to 3 minutes to ensure the battery capacity is sufficient. Then charge the battery immediately if not recently charged.
3. In wintertime, the battery may respond more slowly and battery range may be reduced. Cold temperatures temporarily reduce battery performance.
4. When driving on a gradient, the battery gauge reading might fluctuate. This is a normal phenomenon and there is no cause for concern.
5. Even if a battery is used properly, it is natural for the battery's capacity to reduce with time, which results in reduced battery range. The batteries should be replaced when you find the batteries range is about only half of the range of when the batteries were performing optimally. Please see your dealer about replacement batteries and the safe disposal of your old batteries. If you continue to use the batteries, it is likely you will see a rapid decline in performance.
6. The battery range is reduced when driving frequently up gradients or on rough terrain, as this causes greater power consumption.

- **Seat**

  The seat can rotate 360° and locks in 45° settings. To rotate, push the lever located underneath the right hand side of the seat and swivel seat. Release the lever and carry on swivelling the seat until it locks in position.

> ☞ **Attention**
> Return the seat to the forward position before driving.

How to adjust the arm rest width

Loosen the knobs at the back of the seat frame then adjust the arm rest width by sliding the arm rest to the required width. Re-tighten the knob and repeat for the other arm rest.

How to re-position the seat

The seat can be slid backwards and forwards for a comfortable driving position. To slide the seat, pull the lever at the front of the seat and reposition as required.

Tiller Adjustment

- The tiller can be adjusted in to several positions by the following steps:

1. Loosen the knob to adjust the tiller to the position you want
2. Once you have selected the required position, tighten the knob to secure the tiller.

> ☠ **Warning**
> Please hold the tiller before loosening the tiller adjustment knob. Otherwise the tiller may drop, causing damage and/or injury. Never attempt to adjust the tiller whilst the scooter is in motion.

How to set freewheel mode

- The freewheel lever is shown by the arrow (in photo right)
- To put the scooter in to freewheel mode, pull out the freewheel lever.
- To put the scooter in to drive mode, push the freewheel lever in.

> ☠ **Warning**
> When on a gradient NEVER switch the vehicle to the freewheel mode. The electromagnetic brakes will not be applied. This may result in damage or injury.

Main circuit breaker (reset button)

When your batteries are drained or if the scooter is heavily worked (because of excessive loads, steep inclines, or because the scooter is stuck, etc) the main circuit breaker may trip to protect the scooter from damage. The circuit breaker button will pop out if it has tripped. To reset the circuit breaker, push the button back in. There are two main circuit breakers to check. They are located at the front of the rear shroud near the users heels.

5. DRIVING ON THE ROAD

- **Starting and Driving**
  1. Ensure the seat is installed properly.
  2. Ensure the tiller has been secured properly.
  3. Fold down the arm rests so you can rest your arms comfortably on them.
  4. Turn the ignition on.
  5. Check the battery gauge to see whether there is enough battery power for your journey. If you have any doubt about the remaining power, recharge your batteries before departure.
  6. Set the speed dial to a position you feel safe and comfortable with.
  7. Check the wigwag paddle works correctly
  8. Ensure the electromagnetic brake works correctly.
  9. Before driving, ensure it is safe to do so in the environment around you.

☞ **Attention**

1. Do not push both right hand and left hand sides of the wigwag paddle simultaneously. This might leave you unable to control your scooter.
2. Do not turn the ignition off while driving as this will lead an emergency stop and possible risk of accident, injury and damage.
3. Do not set to the highest speed whilst driving indoors.
4. Do not adjust the speed dial whilst driving. A sudden change in speed may cause damage to you and other and may cause damage to your scooter.
5. Do not place magnetic devices near the controller or tiller area as this could affect the safe operation of your scooter,
6. Do be careful whilst driving in heavy traffic or crowded areas.
7. Whilst reversing the vehicle, be aware of people or objects behind you.

Stopping

Release the wigwag paddle completely. The vehicle will automatically brake and stop. If required use the hand brake to assist braking.

☞ **Attention**

Stopping distances will vary with your speed. Therefore begin braking as early as you can.

While parking your scooter, ensure you park on flat ground and then turn the power off at the ignition before disembarking.

6. BATTERY CHARGING AND CARE

6.1 CHARGING THE BATTERY

Follow the procedure below step by step:

1. Turn off the scooter at the ignition
2. Connect the charger to the mains plug socket
3. Open the charging socket cap on the left hand side of the scooter tiller. Then insert the 3-pin round plug in to the charging socket on the scooter tiller.
4. Switch on the mains to power the charger.
5. An LED will illuminate on the charger to indicate it is connected to mains power. Another LED will also light to indicate the charge status of the batteries. The charge status of the batteries is described by the diagram on the right.
6. The unit should be left on charge for at least 16 hours or until the charger shows charge complete. We do not recommend that the batteries are charged for longer than 24 hours.
7. After charging is complete, switch off the mains at the plug socket and remove the charger from the scooter and the mains. Leaving the charger switched off but connected can drain the batteries.

THE BATTERY IS BULK CHARGING

THE BATTERY IS TRICKLE CHARGING

THE BATTERY HAS RECHED FULL VOLTAGE. LEAVE CHARGER SWITCHED ON FOR AT LEAST 2 HOURS

Please note:
The scooter will be immobilized whilst the charger is connected.

📖 Suggestion

1. Do not disconnect the charger if charging is not complete. Battery life and performance will be dramatically reduced if the battery is repeatedly used without being fully charged.
2. Always charge the batteries until the Charge Complete LED is lit.
3. When fully charged, the battery charger will still trickle charge the battery to ensure optimum battery range and performance.
4. If you scooter is stood idle, you should still charge it every week to maintain battery performance.
5. Charging time will be affected by the ambient temperature. Charging time is longer in cold periods such as winter.
6. After charging do not leave the charger socket plugged in to the scooter, as this will cause a power drain on the scooter and temporarily reduce its range.
7. The batteries carry a twelve-month manufacturer's warranty. This warranty only covers issues relating to manufacturing faults, and not faults relating to failure to recharge the batteries as instructed above.
8. If the scooter is going to be left for a period of one month or more we recommend disconnecting the grey battery connector.

☞ **Attention: Follow the rules below to avoid accidents while charging**

1. Use the charger supplied with the scooter only, and recharge the battery to its full capacity every time. You may damage the battery and the scooter if you use a charger which is not to the correct specification.
2. Never disassemble or modify the charger
3. Charge in a well-ventilated space where it is not directly exposed to sunlight. Do not charge in surroundings where it is humid or susceptible to rainfall, damp or morning dews.
4. Do not cover with a cloth or any other objects while charging.
5. Do not charge in temperatures less than -10°C or higher than 50°C as the charger may not work properly and the batteries may become damaged.

☠ Warning

1. Keep away from flammable objects while charging as this could lead to fire or explosion.
2. Do not smoke while charging as the battery may release hydrogen gas. Always charge your battery in a well-ventilated space.
3. Never connect or disconnect the plug or cord with wet hands while charging. Do not connect or disconnect the plug or cord when they are wet. Failure to observe this could result in electric shock.

6.2 CHARGER

- Please read the separate instruction manual included with the charger.

6.3 BATTERY

- Do not expose to temperature below -10°C or above 50°C when charging or storing the vehicle. Temperatures outside this range can cause the battery to freeze or overheat. This will damage the batteries and shorten their life.
- The batteries supplied are maintenance free and there is no need to refill with water.
- You are required to recharge the batteries on a regular basis. Even if the scooter is stood idle, you should charge the batteries at least once a week.

☠ **Warning**

Do not open the battery sealed cap at any time.

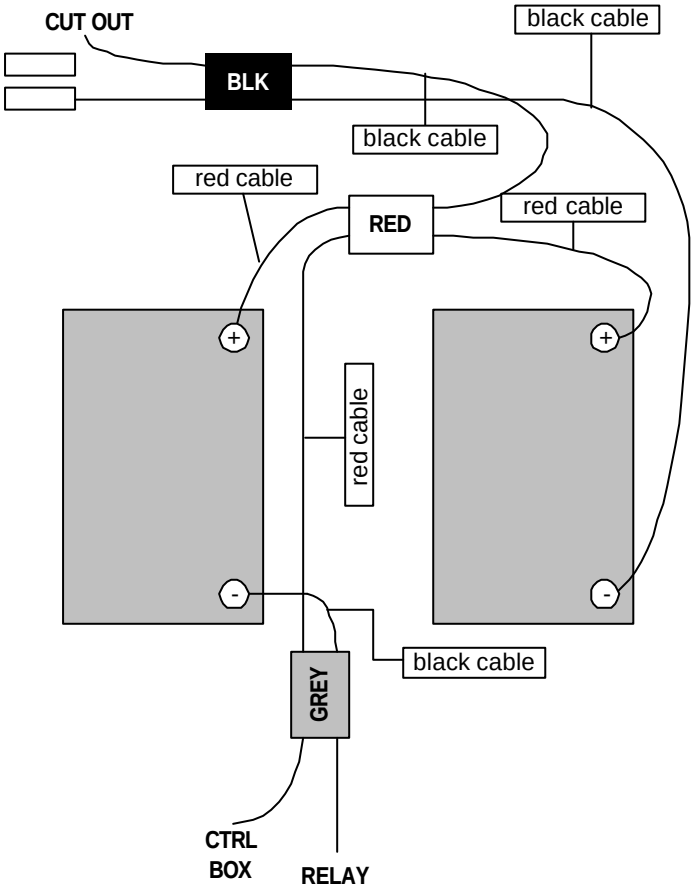
Installing the batteries

The batteries procedure below is used to either install, replace or gain access to clean the battery.

If the batteries are contaminated by water, battery acid, dust or other substances, they will discharge quicker. The batteries supplied with the scooter are sealed and as such are maintenance free with no risk of battery leakage. Please follow the steps below to install the batteries.

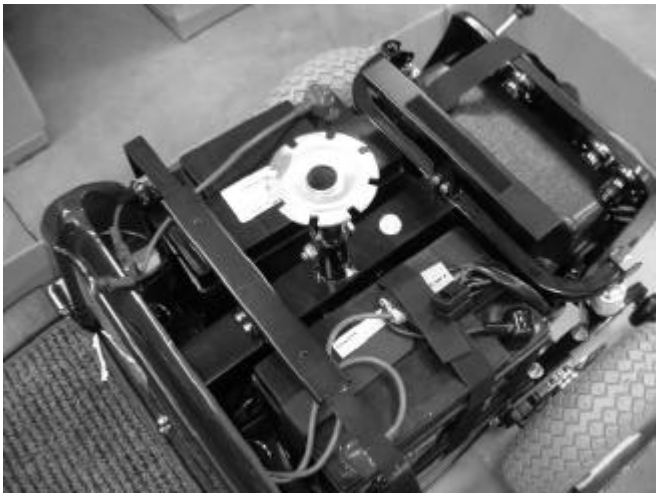
1. Turn the scooter off at the ignition
2. Remove the seat and shroud (optional)
3. Adjust the tiller so it is fully forward (only required if the seat and shroud have not been removed)
4. Remove the locking pins attaching the top of the two rear shock absorbers to the 'H' frame.
5. Tilt the 'H' frame forward to gain access to the battery bays. Tilt by lifting up the 'H' frame from the rear if the shroud and seat are removed. If the seat and shroud are still present, tilt by lifting the handle at the back of the seat. Ensure the elbow of the silver locking arm is pushed forward to its furthest extent.
6. Remove old batteries if necessary. Insert a new battery in to each of the battery bays.

Connecting the batteries



The batteries must be connected as shown in the diagram (left) and photograph (below).

It is important that the cables are routed as shown in the photograph as failure to do so could interfere with the 'H' frame and other components when the rear of the scooter is being accessed for maintenance.



7. INSPECTION AND MAINTENANCE

7.1 INSPECTION

Check the following items before driving. If you find anything abnormal, read this owners handbook then contact your dealer for further inspection or advice if required.

Item	Inspection Content
Handlebar	Is there any looseness? Can the handlebar turn left and right smoothly?
Speed dial	Can it be rotated freely and does it function correctly?
Wigwag paddle	Does the scooter move when the paddle is operated? Does the scooter completely stop when the paddle is released?
Motor	Does the motor make any abnormal noises? Does the electromagnetic brake work correctly?
Freewheel lever	Does the freewheel lever function correctly?
Battery gauge	Does the gauge illuminate when the scooter is switched on? Is there enough power remaining for your journey?
Horn	Does the horn work?
Seat	Does the seat swivel correctly and smoothly?
Tyres	Are there any cracks in the tyres or other tyre damage evident? Check the tread depth?
Other	Are there any abnormal noises? Is there any oil leaking from the transaxle?

☞ **Attention**
Contact your dealer regarding inspection and maintenance should you find anything wrong with the scooter.

7.2 REGULAR CHECKING RECORD

Ensure your scooter is correctly serviced take it to your dealer for annual maintenance checks. We also recommend the scooter is inspected by the dealer after the first month. Your dealer may charge a fee for this service.

YEAR	1	2	3	4	5	YEAR	1	2	3	4	5
Service Dates						Service Dates					
Controller						Upholstery					
On/off switch						Seat					
Control Lever						Back					
Braking						Armrests					
Recharge point						Electrics					
Batteries						Connections condition					
Levels						Lights					
Connections						Test run					
Discharge test						Forwards					
Wheels and Tyres						Reverse					
Wear						Emergency stop					
Pressure						Left turn					
Bearings						Right turn					
Wheel nuts						Slope test					
Motors						Over obstacles					
Wiring						List Items repaired					
Noise											
Connections											
Brake											
Brushes											
Chassis											
Condition											
Steering											

7.3 BATTERY AND TYRES

- **Battery:** Refer to section 6 entitled 'Battery Charging and Care'
- **Battery Charger:** Refer to separate instruction manual supplied with the battery charger.
- **Tyres:** The condition of the scooter's tyres will depend on how you drive and use the scooter. Please inspect the tyre tread regularly. Replace the tyres if there is any tyre damage or if the tread depth is less than 0.5mm (1/32").

☞ **Attention**

1. When the tyre tread depth is less than 0.5mm it can easily lead to vehicle slippage and braking distances will become longer. Therefore, when the tread depth is less than 0.5mm, replace the tyres as soon as possible.
2. The tyre pressure should be around 26 PSI (1.8bar) for the best ride and handling.

☞ **Attention**

When conducting maintenance of your vehicle, turn the scooter off at the ignition and remove the charger cords

🕮 **Suggestion**

- Use a damp cloth or a duster with a non-abrasive polish to clean the scooter. When cleaning the scooter, do not splash water directly on it as this could lead to malfunction.
- Do not use petrol, solvents or vaporizing solution as these may deform or damage the shrouds.
- Do not use wax.

7.4 STORAGE

Ensure the vehicle is stored with the seat set in the forward position and the ignition is switched off.

🕮 **Suggestion**

Store the scooter in a location where it is away from direct sunlight, rain or damp. When storing for a long period of time, charge the battery fully and then disconnect the battery terminals. Contact your dealer for more details.

7.5 MOVING ABOUT

- Before moving, switch the scooter off at the ignition.
- Lift the scooter by the chassis and not by the bumpers or the shroud, as this could cause damage or injury.
- You will need 2 or 3 people to lift or move the vehicle. It is recommended that you remove the batteries before lifting the vehicle.

7.6 RIDE AND HANDLING

- The M48 GT comes with all round adjustable suspension. The suspension can be adjusted for a firm ride for better handling, or a soft ride for user comfort. For more information about adjusting this, contact your dealer.

8. TROUBLESHOOTING AND SPECIFICATION

TROUBLESHOOTING

You can inspect the scooter using the checklist below before consulting your dealer. If you cannot solve the problem by yourself contact your dealer.

Symptom	Remedy
The scooter will not switch on.	• Recharge the batteries. • Check / reset the circuit breaker in the scooter. • Check the battery and loom connections.
The scooter switches on, but the scooter will not move.	• Ensure there is enough power in the batteries. If not, recharge the batteries. • Ensure the freewheel lever is engaged in the DRIVE position.
The scooter appears slow.	• Check the battery power level and recharge. • Check the speed dial is not set to slow, and that indoor / outdoor switch is set to the faster setting (if applicable).
The seat turns when in operation	• Slowly rotate the seat until it drops in to place and is secure
The tiller handlebar appears loose	• Tighten the tiller adjustment handle to secure the handlebar.
Scooter will not drive and the left hand panel on the battery gauge will flash a sequence code.	• Ensure the wigwag paddle is released. • Switch the scooter off and on using the ignition key. • Recharge the batteries. • If the problem persists, contact your dealer.

Mercury M48GT Specification	
Dimensions (L x W x H)	1560 x 740 x 920mm 61½" x 29" x 36¼"
Weight	With battery: 168kg / 370lb Without battery: 116kg / 255lb
Battery	2No. 12V 75ah (100ah option)
Motor	750W
Control system	By wigwag paddle
Drive system	Direct drive to the rear wheels (with transaxle)

Mercury M48GT Specification (cont'd)	
Brake system	Electromagnetic, with Secondary cable brake
Front tyre	2No. 4.00-5 grey pneumatic
Rear tyre	2No. 4.00-5 grey pneumatic
Charger	8A 24V DC
Max. speed	8mph / 12.8kph
Climbing angle	10° / 1 in 6 maximum
Cruising range	30 mile / 48km
Max. user weight	250kg / 39 stones

Note:

- Maximum driving distance (cruising range) is based on an ambient temperature of 20°C, a 100kg driver and a brand new fully charged battery, and a constant driving speed of 4mph / 6kph with 70% battery power discharged.
- The manufacturer reserves the right to modify the specification if necessary. The final specification is subject to the individual scooter your purchase from your dealer.

9. WARRANTY

9.1 VIN (VEHICLE IDENTIFICATION NUMBER)

To ensure the correct after sales service and warranty service support, please write down the vehicle identification number on the plate attached the to left-hand side of the scooter frame, below the shock absorber and behind the wheel. Also note down the details of the Medicare Technology dealer who sold the scooter.

Model	M48GT	VIN #.	……	Motor serial #:	……..	Key #:	…….

Medicare Technology Authorized Service Agent Details:	
Name	
Address	
Tel	
Postcode	

9.2 WARRANTY CONDITIONS

There is a comprehensive twelve-month warranty from the date on which your new scooter is delivered. The warranty covers the scooter for repairs or replacement during this period. For more detail, please see the Warranty Conditions below.

Warranty Conditions:

1. Any work or replacement part installation must be carried out by an authorized Medicare Technology dealer / service agent.
2. To apply the warranty should your scooter require attention please contact the designated service agent listed above.
3. Should any part of the scooter require repair or full or part replacement, as a result of a manufacturing or material defect within twelve months of receiving the scooter, replacement parts will be supplied free of charge.

   Note:This guarantee is not transferable
4. Any repaired or replaced parts will be covered by this warranty for the balance of the warranty period on the scooter.
5. Parts replaced after the original warranty has expired will by covered by a three months warranty.
6. Consumable items supplied will not generally be covered during the normal warranty period unless such items require repair or replacement clearly as a direct result of a manufacturing or material defect.

   Such items include (among others): upholstery, tyres and batteries.
7. The above warranty conditions apply to brand new scooter purchased at the full retail price. If you are unsure whether your power chair is covered, check with the service agent. Scooters supplied as secondhand by Medicare Technology carry a six-months warranty.
8. Under normal circumstances, no responsibility will be accepted where the scooter has failed as a direct result of:
   a) The scooter part not having been maintained in accordance with the manufacturer's recommendations.
   b) Failure to use the manufacturer's specified parts
   c) The scooter or part having been damaged due to neglect, accident or improper use
   d) The scooter or part having been altered from the manufacturer's specifications or repairs having been attempted before the service agent is notified

Please note your local service agent's contact details in the box above. In the event of your scooter requiring attention, contact them and give all relevant details so they can act quickly.

The manufacturer reserves the right to alter without notices any weights, measurements or other technical data shown in this manual. All figures, measurements and capacities shown in this manual are approximate and do not constitute specifications.

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