

BIOS
SPRINT
8.0

Personal Mobility Scooter



Owner's Manual
and Instructions



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INTRODUCTION

Thank you for purchasing the BIOS Sprint 8.0 Personal Mobility Scooter (PM Scooter). The Scooter you have purchased, has features exclusive to our BIOS Sprint 8.0 Scooter and was designed to provide you with comfort and safety.



WARNING: Carefully read this owner's manual before using the vehicle. This manual contains important information concerning the safe operation and proper maintenance of your PM Scooter.

Improper use of the vehicle could result in harm, injury or accidents.

Before using your Scooter, make sure all components are present and no damage has occurred during shipping. If you do not receive a complete scooter or damage has occurred during shipping - please contact Thermor Ltd.

This owner's manual includes operating instructions for every aspect of the Scooter and its assembly. With proper care and maintenance, you should enjoy many years of dependable service from your vehicle.

This manual includes a repair/maintenance record chart and warranty information. Your scooter should receive regular maintenance according to the schedule outlined in this manual and/or the recommendation from an authorized Thermor service representative.

Please keep the manual in a safe place or with the BIOS Sprint 8.0 PM Scooter.

Purchaser's Agreement

By accepting purchase of this product, you agree that you will not alter, modify or change this product or remove or disconnect or render inoperable any guards, shields or other safety features of this product.



Failure to follow the instructions, warnings and information provided in this manual and/or those located on the BIOS Sprint 8.0 Scooter can result in personal injury or product damage and will void the BIOS Sprint 8.0 Scooter product warranty.

Design changes may not be reflected in some illustrations/pictures and the manual may not correspond to the vehicle that you purchased. The manufacturer reserves the rights of final interpretation of the manual.



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BIOS Sprint 8.0 SCOOTER



ASSEMBLY



The scooter is heavy, assembly and disassembly will require assistance of one or more persons. Do not attempt to lift the scooter beyond your physical capability and/or without assistance.

- Always assemble or disassemble the scooter on a level, dry surface
- Ensure you have sufficient room to work and move around while assembling or disassembling the scooter (1.83 meter circle or 6 feet is recommended)

Fully Assembled Scooters

Your scooter may come fully assembled, **BATTERIES ARE NOT ATTACHED** on fully assembled scooters. Please follow the below steps to attach the battery to the scooter.

The scooter's parts can be heavy and difficult to maneuver, it is always best to have assistance during the removal of the seat or contact an authorized Thermor service center representative.

1. Ensure the tiller is in the most upright position.
2. Locate the seat rotation lever.



Seat rotation lever

3. While gently pulling forward on the seat rotation lever, lift the seat upwards.
4. Remove rear shroud on the scooter by removing the screws



5. Connect the shroud connectors.



6. Replace the rear shroud, ensure rear shroud are securely in place. Check that the wheels do not rub on the shroud frame.



7. Install seat see section 'seat installation'.

Assembly

The scooter comes disassembled in 6 parts + 1 battery charger. No tools are required to assemble the scooter. Remove all scooter parts from the carton and insure all parts are present.



Arm rest x 2
Seat x 1



Battery pack x 2



Basket x 1



Mirrors x 2



Scooter body x 1



Battery Charger x1

(For indoor use only)

Battery Installation

1. Remove the rear shroud on the scooter.



2. Disconnect the shroud connectors.



3. Place the new batteries into the battery wells, with the terminals facing towards the front of the scooter.



4. Connect the red cable to the positive (+) battery terminal (red to red).
5. Connect the black cable to the negative (-) battery terminal (black to black).
6. Reconnect and tighten all screws that hold the battery terminals.
7. Ensure that the battery terminal boots are covering the battery terminals.



- Secure Velcro® straps over batteries and attach to scooter frame.
- Replace the rear shroud, ensure rear shroud are securely in place.

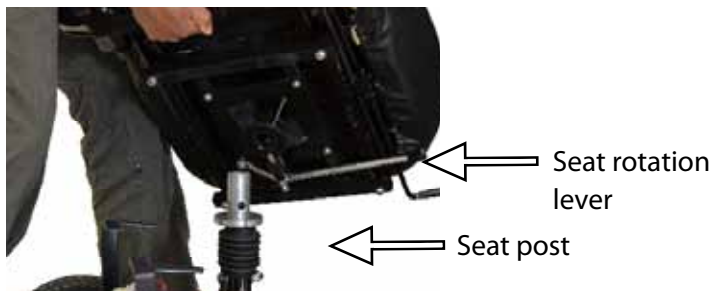


Check that the wheels do not rub on the shroud frame.



Seat Installation

- Ensure the tiller is in the most up-right position.
- With the rear shroud securely in place attach the seat by sliding the seat over the seat post.
- With the seat resting on the post (must be held in place) pull forward on the seat rotation lever.
- Move the chair slightly; in a side-to-side motion, until the seat drops in-place and locks.
- If the seat locks on an angle, pull forward on the seat rotation lever and rotate the seat into the desired position.



Arm Installation

1. With the seat firmly in place, insert the armrest adjustment post into the armrest housing.
2. Slide the armrest in or out to the desired position.
3. Tighten the armrest adjustment knobs located at the rear of the scooter.
4. Ensure the armrest is firmly locked in place.



Mirror Installation

1. Insert the threaded end of the mirror into corresponding opening on the top of the tiller.



2. Rotate the mirrors clockwise until tight.
3. Push the rubber boots located on the mirror down to cover the threaded opening.

4. Adjust the mirrors to the desired position, to give you a good line of sight.



Basket Installation

The scooter comes with a convenient basket with nylon cover.

1. Install the basket by inserting the basket U-bracket into the housing located at the front of the tiller.
2. Push down gently on the basket until it is completely inserted.



SAFETY FIRST

The user should be familiar with the use and operation of this vehicle before driving. Please read the recommendations listed in the Safety First Briefs.

Safety First Briefs

- Pedestrian traffic rules apply to the use of this vehicle
- Do not drive after consuming alcohol or when tired
- Some medications and/or physical limitations may impair your ability to drive the scooter – consult with a physician before driving the scooter
- For your own safety follow the rules that apply to pedestrians
- A sidewalk should be the first choice for someone using a scooter. Never ride on highways, ride on the roadside in pedestrian areas only
- If there is no sidewalk available then PM scooter should travel, like pedestrians, along the left shoulder of the roadway facing oncoming traffic
- Exercise caution when driving your PM Scooter in low light, your scooter is not designed for use at night
- Be aware of traffic when crossing streets
- Be extremely careful when driving on busy streets or in shopping plazas/malls
- Always follow traffic laws, check with your local municipality for local traffic laws

Getting On and Off the Scooter

Be cautious when getting onto and off the scooter, it requires a good sense of balance. Following the below safety tips will ensure a safe experience.

- Turn the key off or remove it from the ignition before getting on or off the scooter
- Ensure that the seat is securely locked in place
- Move the arms into an upward position before getting on or off the scooter

- Ensure the freewheel mode is in “Closed” position (see Rear Section)



- Do not use the armrest to support your weight while entering or exiting the scooter – using the armrest in this fashion may cause a fall and/or the scooter to tip, causing personal injury
- Sit as far back as possible on the scooter to prevent tipping



Practice Makes Perfect

Get to know your scooter; before using, understand its operation. Familiarize yourself with all the controls and practice using the scooter in a wide and open area, such as a park. Be aware of driving conditions, accelerating, stopping, turning, reversing, and moving up and down ramps.

- Start with the lowest speed for your initial practice, until you feel safe and confident. Progress to higher speeds only when you feel you are able to easily operate and control your scooter
- Some medical conditions may require that the user practice operating the BIOS Sprint 8.0 Scooter, in the presence of a medical attendant, assistant or trained family member abreast in assisting the user in daily living activities

Driving

- Before driving your scooter carry-out the 9 point daily inspection (see check list)
- Turn the key to the off position or remove it from the ignition before getting on or off the scooter
- While driving keep your feet on the floorboard
- Be aware of other people and objects around you
- Avoid erratic body movement while the scooter is moving, this action could cause you to lose your balance and result in injury
- Check your clothes to ensure garments do not get caught in the wheels
- Do not bend, lean or reach for objects while on the scooter, such action may cause the scooter to lose control or tip
- Keep both hands on the tiller while operating the scooter



Important Precautions

- The BIOS Sprint 8.0 Mobility Scooter can only be used by one person at a time
- Do not carry passengers, including children, on your scooter
- Do not allow children to play near the scooter while the batteries are charging
- The maximum load is 158kgs (350lbs.), including driver and any goods

- Maximum load weight for the basket is 3kgs. (7lbs.)
- Never carry an oxygen tank weighing more than 6.8kg. (15lbs.)
- Ensure that the tiller and seat are locked and secured in place before driving
- Do not remove the anti-tip wheels
PROHIBITED – never remove or modify the anti-tip wheels, removal of the wheels or modification to the frame will result in voiding of the BIOS Sprint 8.0 Scooter warranty.
- Do not use the scooter if the rear anti-tip wheels are damaged or removed
- Do not use your scooter on roads which are muddy, bumpy, snow covered, icy, without guard rails, fence or hedges ,heavy traffic and/or on any places where wheels could get stuck
- Do not take your scooter onto escalators or stairs
- Avoid rainy, snowy, misty or windy conditions
- Your scooter should NEVER be used as a seat in a motor vehicle (e.g. buses, vans, trains, cars, etc.)
- Do not use mobile phones or other wireless device while driving
- Do not charge mobile phones or other electrical devices from the scooter
- Switch off your scooter and remove key from ignition before using a mobile phone
- Avoid the use of extension cords, do not connect them to the AC/DC converter or battery charger
- Do not leave lit cigarettes unattended
- Keep ashtrays away from the seat cushions
- Do not use the scooter to tow another vehicle
- Do not allow the scooter to be pushed by another vehicle
- Do not attach a leash to the scooter to walk a pet

Ramps, Inclines, Corners and Dips

- Never use full power when turning corners or when on slopes
- Avoid erratic turns or driving in an “S” pattern, take wide turns and reduce speed in tight corners – to prevent tipping or falls
- Do not drive on slopes greater than 12 degrees
- Exercise caution and use lower speed settings when ascending or descending slopes
- Never place your scooter in neutral when stopping on a slope
- Do not drive the scooter side-ways or diagonally across an incline



Avoid slippery inclines (wet leaves and/or grass, snow and ice covered surfaces, etc.), they could be potentially dangerous

- Exercise great caution and use low speeds for riding downhill, reversing, curb climbing and over uneven surfaces
- Exercise common sense when negotiating corners, inclines and driving the scooter

When driving up an incline, the centre of gravity shifts, it is best to lean forward to improve the stability of the scooter. While driving up an incline, if the speed control lever is released, the scooter will roll back approximately 12” (30.5cm). Before the brake engages, the same results will occur if travelling in reverse down an incline.



Tire Safety

Scooter's equipped with pneumatic tires; tires should be checked weekly to ensure proper inflation pressures. Correct pressure will prolong the life of the tires and ensure a safe smooth ride.

It is very important the psi/bar/kPa air pressure indicated on each tire be maintained. Failure to do so could result in loss of control and/or serious injuries.

Do not overinflate the tires, this could result in the tires bursting or underinflate, which could result in loss of control.

Recommended tire pressures are: Front 250kPa and Rear 300kPa



Maximum Weight Capacities

The maximum weight capacity of the scooter is 158kg /350lbs (including the driver and any goods), it is imperative that users stay within the specified weight capacity. Exceeding the weight capacity will void the warranty. Thermor will not be held responsible for damages to property and/or injuries resulting from failure to observe the maximum weight capacities.



Weather Precautions

- Avoid rainy, snowy, misty, icy or windy conditions – these weather conditions could have adverse effects on the scooters electrical system. Its always best to store the scooter in a dry and clean location
- The scooters upholstery can be effected by prolonged exposure to hot or cold temperatures, exercise caution when sitting on the upholstered seat, after the scooter has been exposed to the aforementioned conditions

Doors and Elevators

Doors – Most public buildings are equipped with at least one automated door at an accessible entrance; whenever possible use this door option. Ensure that all garments, pocketbooks, packaged or scooter accessories do not become caught in doors.



Never use the scooter on stairs or escalators.

Elevators

Entering – Wait until the elevator doors are completely open. Watch for pedestrians, driving forward, slowly enter the elevator.

Exiting – wait until the doors are completely open, before slowly reversing off the elevator. Use your mirrors to ensure no pedestrians are behind you before and while reversing.

ELECTROMAGNETIC INTERFERENCE AND WARNING

There are some concerns about electromagnetic interference to powered wheelchairs and scooters. You need to know what EMI (Electromagnetic Interference) is and how to prevent such incidents. The following paragraphs suggested by the FDA are intended to provide you with some important information about this.

CAUTION: IT IS VERY IMPORTANT THAT YOU READ THIS INFORMATION REGARDING THE POSSIBLE EFFECTS OF ELECTROMAGNETIC INTERFERENCE ON YOUR MOTORIZED PERSONAL MOBILITY SCOOTER.


Electromagnetic Interference (EMI) From Radio Wave Sources
Motorized scooters 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 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 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 powered scooter as shipped, with no further modification, is not known.


There are ample 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.

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

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

Powered Scooter Electromagnetic Interference (EMI)

Because EM energy rapidly becomes more intense as one moves closer to the transmitting antenna (source), the EM fields from hand-held radio wave sources (transceivers) are of special concern. It is possible to unintentionally bring high levels of EM energy very close to the powered scooter's control system while using these devices. This can effect powered 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 effect powered scooter and motorized scooters. Following the warnings listed below should reduce the chance of unintended brake release or powered scooter movement, which could result in serious injury

- 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 powered scooter is turned ON
- Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them
- If unintended movement or brake release occurs, turn the powered scooter OFF as soon as it is safe
- Be aware that adding accessories or components, or modifying the powered scooter, may make it more susceptible to EMI (Note: There is no easy way to evaluate their effect on the overall immunity of the motorized scooter)
- Report all incidents of unintended movement or brake release of the motorized scooter to the manufacturer and NOTE whether there is a source of EMI nearby
- 20 volts per meter (v/m) is generally an achievable and useful immunity level against EMI (The higher the level, the greater the protection)

PARTS INTRODUCTION



1. Control panel
2. Rearview mirrors
3. Basket with cover
4. Tiller
5. Head lights
6. Front bumpers
7. Rear and front wheels
8. Side reflectors
9. Seat sliding lever
10. Arm rest
11. Captains chair with head
12. Seat rotation lever

OPERATION

Control Panel

1. Horn
2. Lights
3. Directionals
4. Battery meter console
5. Electronic speed control dial
6. Speed control lever (forward)
7. Speed control lever (reverse)
8. Power switch
9. Charger receptacle
10. Electronic speed control switch



Remove the protective plastic film covering the battery indicator.

Power Switch

1. To turn the power on, place the key into the ignition.
2. Turn the key clockwise to ON. The battery indicator should light-up (make sure the batteries are fully charged).
3. Turn the key counterclockwise to OFF to switch the power-off.
4. The BIOS Sprint 8.0 Scooter is equipped with an automatic shut-off which will automatically shut the scooter off when it is not in use for 20 minutes or more.

Speed Control Dial

1. The 'L' indicates the slowest speed and the 'H' the fastest speed.
2. Turn the speed control knob clockwise (towards the 'H') for faster speeds.
3. Turn the speed control knob counterclockwise (towards the 'L') for slower speeds.



Moving and Braking

1. Lightly pull on the right-handed speed control lever (green), with your right index and forefinger to move the scooter forwards.
2. Lightly pull the left-handed speed control lever (red), with your left index and forefinger to move the scooter backwards - the reverse warning horn will automatically sound.
3. To brake, release the speed control levers and the scooter will quickly slow down and activate the electromagnetic brakes automatically, bringing the scooter to a stop.

Horn

Press the horn button to sound the horn and release to disengage.

Lights

Toggle switch is marked, (I O) press the switch to I – to turn ON and O – to turn OFF.



Directionals

1. To signal LEFT press the switch into the upward position (-).
2. To signal RIGHT press the switch into the downward position (=).
3. Neutral position is located in the center (O).



The warning horn will automatically sound when directionals are engaged.

Electronic Speed Control Switch

The BIOS Sprint 8.0 Scooter is equipped with an electronic speed control switch that allows the user to power down the scooter.

1. The speed control switch is located on the left side of the control panel.
2. To operate at normal speeds push the switch to 'H'.
3. To reduce speeds push switch to 'L' this will reduce the speeds that are achievable on the scooter by 20%.

Rear Section

Manual Freewheel Lever



The manual freewheel lever (located at the back of the scooter- see image) allows the user to push the scooter short distances. When the scooter is in freewheel mode the brake and drive systems are disengaged.



Remove the key from the ignition to ensure the scooter is OFF, before placing the scooter into freewheel mode



Ensure the scooter is not on any incline, the surface must be completely flat



Never sit on the scooter when it is in freewheel mode



Never stand in-front or behind the scooter when placing the scooter in freewheel mode, stand to the side



Make sure all garments, packages or other obstacles are clear of the scooter to prevent injury



Always return the manual freewheel to the closed position when task is completed

1. Standing on the side of the scooter, locate the freewheel lever at the rear, right hand side of the scooter, just below the right directional (see image).
2. Pull up on the lever to move it to its 'Open' position – the drive and braking system are now disabled.
3. Standing at the side of the scooter, push the scooter into the desired position.
4. When the user has finished moving the scooter, standing to the side of the scooter, push the lever in a downward position to 'Closed', taking the scooter out of the freewheeled mode.

Anti-Tip Wheels



The anti-tip wheels are located at the rear of the scooter, they are an important safety feature of the scooter.

PROHIBITED – never remove or modify the anti-tip wheels, removal of the wheels or modification to the frame will result in voiding of the BIOS Sprint 8.0 Scooter warranty.



Battery

Battery Charging

To ensure the best performance and maximum battery life, we recommend frequent battery charging. Your scooter comes with an external battery charger for your ease and convenience. The console battery display makes charging simple and easy.

Battery Meter Console

When the key is inserted into the ignition and turned ON, the meter will display approximate battery strength: red only = low battery charge (battery low immediate charge needed), red/yellow = moderate battery life (battery needs to be charged), red/yellow/green = full battery charge (no charge needed).



Remove the protective plastic film covering the battery indicator.

Charging the Battery

The off-board battery charger when plugged into the charger receptacle, located on the side of the tiller console, charges the scooter.



The charger supplied with the scooter charges the batteries based on the amount of charge present in the batteries (trickle charge) or the amount discharged by the batteries. When the battery charge is low, the charger works harder, by sending more electrical current to the batteries. When the batteries are fully charged the current sent by the charger is almost zero amperage, in this manner it is very difficult to over-charge the batteries. Ideally the scooter should be plugged in at night before going to bed and disconnected in the morning.



Charge the scooter batteries 6–12 hours prior to using it for the first time



We do not recommend charging the batteries for more than 24 consecutive hours

Charging the Battery

Step 1 - In a dry area, turn OFF the ignition and remove the key

Step 2 - Insert the plug into the charger socket located on the left side of the steering column

Step 3 - Insert charger extension cord into a wall outlet

Step 4 - Charge the battery for 6-12 hours, depending on the usage

Step 5 - Disconnect the charger extension cord

Step 6 - Insert the key into tiller and check that a full battery charge has been achieved red/yellow/green = full battery charge. If the far right, green light bar is flashing, remove the key and reconnect the charger and continue to charge the battery



We do not recommend you use any battery charger other than the one supplied with the scooter

Battery Care



The batteries in the scooter are best kept fully charged, this will prolong the life of the batteries and ensure reliable performance. Batteries that are regularly and deeply discharged, infrequently charged, stored in extreme temperatures or stored without being fully charged, may result in permanent damage, unreliability and a limited life span.

- If the scooter is used on a daily basis charge the battery after use. Recommended 6-12 hours of charging
- If the scooter is used infrequently (once a week or less), charge the batteries once a week for 8-12 hours
- If the scooter will be unattended for greater than 6 weeks, we recommend you contact a BIOS Service Technician to disconnect the batteries from the scooter
- Keep the scooter batteries fully charged
- Avoid running on empty or deeply discharging the scooter batteries
- Protect the batteries from extreme heat or cold
- Batteries must always sit flat within the battery wells

Changing Batteries



Batteries contain lead and lead compounds, when handling batteries and accessories, wear gloves and goggles.

Contact an authorized Thermor service centre representative, to service or replace batteries.

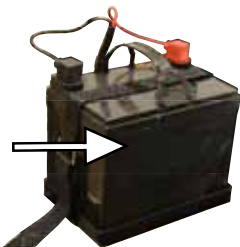
- Always change both batteries, never mix old batteries with newer ones
- Always use batteries that are the exact same type, size, chemistry and amp hours (Ah)
- Never replace the batteries while a rider is on the scooter
- Damaged or cracked batteries should be covered/with a plastic bag and disposed of – contact your local waste disposal authority for correct disposal methods in your area
- Keep the batteries and charger away from open flames or sparks and any source of ignition
- Always have good ventilation when changing batteries
- Keep children away from batteries at all times and when they are being charged



The components of the scooter can be awkward, heavy and difficult to remove, it is best to have assistance during the changing of the batteries or contact an authorized Thermor service centre representative.

- Step 1. Ensure that the scooter is not being charged, the tiller is in the most upright position and the wheels are facing forward.
- Step 2. Remove the seat (see seat removal)
- Step 3. Remove the rear shroud
- Step 4. Disconnect the battery cables from their terminals
- Step 5. Remove the old batteries from their battery wells – set aside

- Step 6. Place the new batteries into the battery wells, with the terminals facing towards the front of the scooter
- Step 7. Connect the red cable to the positive (+) battery terminal (red to red).
- Step 8. Connect the black cable to the negative (-) battery terminal (black to black).
- Step 9. Reconnect and tighten all screws that hold the battery terminals.
- Step 10. Ensure that the battery terminal boots are covering the battery terminals.
- Step 11. Secure the Velcro® tie downs over battery and securely attach to the scooter frame.
- Step 12. Reinstall the rear shroud and seat.



Seat and Tiller Adjustments



Ensure the scooter is on a level surface



Do not make adjustments while the scooter is moving



After making adjustments ensure all locks, levers and nuts are tight and in the locked position



Seat Removal

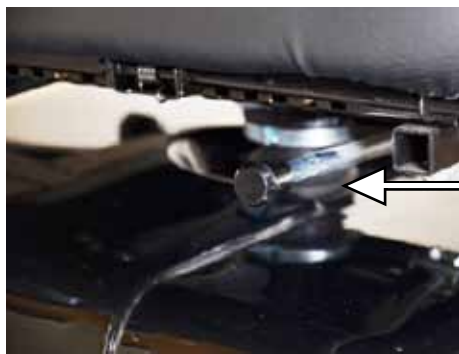
The scooter's parts can be heavy and difficult to maneuver, it is always best to have assistance during the removal of the seat or contact an authorized Thermor service center representative.

1. Ensure the tiller is in the most upright position.
2. Locate the seat rotation lever.
3. While gently pulling forward on the seat rotation lever, lift the seat upwards.

Seat Rotation

The seat can be rotated left or right 90°.

1. Locate the seat rotation lever.
2. Push forward on the lever to disengage the seat.
3. Rotate the seat into the desired position.
4. Once the desired location has been achieved, release the lever.
5. Ensure the seat is locked in place.



Seat rotation
lever

Forward/Backwards Seat Adjustment

The seat can be repositioned forwards or backwards to change the distance between the seat and the tiller.

Seat Sliding Lever

1. Locate the seat sliding lever.
2. While pulling up on the lever, slide the seat forwards or backwards into the desired position.
3. Release the lever when the seat is in desired position.
4. Ensure the seat locks in place – you will hear a click when the seat has locked in place.



Armrest Adjustment

The armrest can be adjusted to change the width of the seat.

1. Locate the armrest adjustment knobs at the rear of the scooter.
2. To loosen the knobs turn the knobs counterclockwise.
3. Slide the armrest in or out to the desired position.
4. Tighten the knobs by turning them clockwise to lock into place.
5. Ensure the armrest is firmly locked in place.

The armrest can also be moved upwards and downwards to aid in getting off or on the scooter.



Back Adjustment

1. Locate the back rest lever.
2. Pull up on the lever to adjust the seat back.
3. When the desired position is achieved ensure that the lever locks into place.



Tiller

Angle Adjustment

1. Locate the tiller lever.
2. Pull the lever outwards to disengage the tiller lock.
3. With the opposite hand move the tiller into position.
4. Ensure the tiller is locked by gently moving the tiller in a forward and backwards motion, until it "locks" in place.



CARE AND MAINTENANCE

To optimize the performance and longevity of the scooter, we recommend that a Thermor authorized service representative provide preventative maintenance on a regular basis. For an authorized service representative please contact 1-866-320-1030. Please see maintenance schedule, the scooter requires periodic inspection and/or care and maintenance.

Cleaning

- Clean the scooter using a damp cloth and mild soap and/or dust down the scooter once a week
- Avoid using harsh chemical or abrasive cleaners to clean the fiberglass body, plastic parts or metal on the scooter
- Do not use vinyl conditioners on the scooters seat or wheels

- Do not use running water directly on the scooter – this could result in damage to electrical components
- Use a damp cloth to clean upholstery – leaving the upholstery exposed to the sun could result in sun damage of the upholstered materials, this is considered normal wear and tear

Tires

Tire Inspection

- Scooters equipped with pneumatic tires; tires should be checked weekly to ensure proper inflation pressures. Correct pressure will prolong the life of the tires and ensure a safe smooth ride.
- Replace the tires when the depth of the tread is less than 0.5cm (0.20")
- Do not overinflate the tires, this could result in the tires bursting or underinflate, which could result in loss of control

- It is very important the psi/bar/kPa air pressure indicated on each tire be maintained. Failure to do so could result in loss of control and/or serious injuries
- Recommended tire pressures are: Front 250kPa and Rear 300kPa

Tire Replacement



See an authorized Thermor service center regarding servicing and/or replacement of tires.

The Scooter is equipped with pneumatic tires; if a flat tire occurs replace the tube.

INSPECTION AND MAINTENANCE SCHEDULE

9 Point Daily Checks









Item	Inspection
Tiller	<ul style="list-style-type: none"> • Check the motion • Is there any looseness • Does it turn smoothly
Speed Control Dial	<ul style="list-style-type: none"> • Does it function • Does it move easily
Speed Control Lever	<ul style="list-style-type: none"> • Does it function • Does the scooter move when activated • Does the scooter stop when released
Motor	<ul style="list-style-type: none"> • Any unusually loud noises
Battery Indicator	<ul style="list-style-type: none"> • When the scooter is turned ON does the indicator light up • Check the battery charge, is there enough power for the trip

Turn Signals	<ul style="list-style-type: none"> Do the turn signal lights work
Horn	<ul style="list-style-type: none"> Does the horn work
Tires	<ul style="list-style-type: none"> Check the tire pressure Are the tires damaged and/or flat Is the tread depth more than 0.5cm (0.20")
Other	<ul style="list-style-type: none"> Are there any oil or fluid leaks

BASIC TROUBLESHOOTING

The BIOS Sprint 8.0 is equipped with diagnostic fault codes, which are designed to help perform basic troubleshooting quickly and easily. The scooter will display a diagnostic flash code in the event one of the conditions listed below develops.

Fault Code	Condition	Solution
1 - 2 ● ● ●	Throttle Trip	See a Thermor authorized service Technician
1 - 3 ● ● ● ●	Speed Limit Pot. Trip	See a Thermor authorized service Technician
1 - 5 ● ● ● ● ●	High Battery Voltage	Unplug the charger and/or turn off the scooter using the key, then turn the scooter back on again. If travelling down a slope, reduce the scooters speed to the minimum setting

2 - 2 	Possible controller trip	See a Thermor authorized service Technician
3 - 2 	Solenoid brake trip	See a Thermor authorized service Technician
3 - 3 	Possible controller trip	See a Thermor authorized service technician
3 - 5 	Throttle trip or inhibit 2 active	See a Thermor authorized service technician
4 - 1 	Possible controller trip	See a Thermor authorized service technician
4 - 2 	Motor disconnected/ wiring trip or freewheel overspeed	Check position of parking brake lever. See a Thermor authorized service Technician
4 - 3 	Possible controller trip	Possible controller trip
4 - 4 	Possible controller trip	Possible controller trip

SPECIFICATIONS

PERFORMANCE DATA	
Overall Length	46.46" (118 cm)
Overall Width	24.4" (62 cm)
Weight Capacity	158 kgs (350 lbs)
Max Speed	8 km/h
Turning Radius	51" (1.3 m)

Ground Clearance	4"
Seat to Deck	18"
Seat to Ground	30"
Battery Charger	Off-board 5A
Range per Charge	40–45 Km (25–30 miles)
Batteries (2 Required)	33 AH
Total Battery Weight	28 kgs
Braking System	Electric Regenerative Braking
Tires	
Front Tire	10" x 3.3" Pneumatic
Rear Tire	10" x 3.3" Pneumatic
Seat Size (L X W X H)	18.89" x 19" x 30.7"
Heaviest Piece when Disassembled	Main Body 77 kg (169.40lbs)

BIOS Sprint 8.0 SCOOTER WARRANTY

2 YEAR LIMITED WARRANTY

Two (2) year LIMITED Warranty. Two years from date of purchase, Thermor will repair or replace at our option to the original purchaser free of charge any of the following parts found upon examination by an authorized rep of Thermor to be defective in material and or workmanship

2 Year limited warranty, including:

- Main Frame
- Seat Post
- Fork
- Tiller Frame

1 Year Limited warranty, including:

For One (1) year from date of purchase, Thermor will repair or replace at our option to the original purchaser free of charge any of the following parts found upon examination by an authorized rep of Thermor to be defective in material and or workmanship

- Transaxle
- Motor Brake (electronic function only)
- Brake
- Rubber Components
- Plastic Component's except body
- Electronic Controllers
- Chargers
- Harnesses
- Any other electrical subassembly

90 Day Warranty

The battery is covered by a separate 90 day warranty, provided by the battery manufacturer. Thermor and its associate companies are not the warrantor of the batteries.

Note: Gradual deterioration in performance because the battery has been left in a discharged state, left in cold conditions for an extended period of time, or worn out through heavy use is not covered.

WARRANTY EXCLUSIONS

This warranty does not extend to those items which may require replacement due to normal wear and tear.

- Plastic shrouds
- Motor brushes
- Upholstery and seating
- Brake Pads
- Tires and tubes
- Bearings
- Fuses/Bulbs
- Circumstances beyond the control of Thermor
- Labour, service calls, shipping, and other charges incurred for repair of the scooter, unless specifically authorized in advance by Thermor
- Repairs and/or modifications made to any part without specific consent from Thermor

Exclusions also include components with damage caused by:

- Contamination
- Abuse, misuse, accident, or negligence
- Battery fluid spillage or leakage
- Commercial use, or use other than normal
- Improper operations, maintenance or storage

- Products modified without Thermor's express written consent including but not limited to modifications through the use of unauthorized parts or attachments
- Change in operating noise, relative to the motors and gear boxes does not constitute a failure (All such devices will exhibit a change in operating noises due to aging)

Service Checks and Warranty Service:

Warranty service must be performed by an authorized Thermor dealer. Please contact Thermor for an authorized Thermor dealer in your area and / or information.

All transportation costs and shipping damage incurred while submitting parts for repair or replacement are the responsibility of the purchaser.

Thermor will not accept return of faulty parts without prior written authorization. Thermor's sole obligation and the user's exclusive remedy under this warranty shall be limited to such repair and/or replacement.

Please contact Thermor for information.

In the event the user/purchaser does not receive satisfactory warranty service, please write or email directly to Thermor at the address located below. Provide Dealers name, address and date of purchase; indicate the nature of the defect and the Scooter serial number.

16975 Leslie Street Newmarket, ON L3Y 9A1 • toll free 1800-387-8520 •
PHONE: 905.952.3730 • FAX: 905.952.3731 • www.BIOSmedical.com



BUYER'S REGISTRATION FORM

Mobility Scooter

NOTICE: COMPLETE THIS FORM AT TIME OF SALE TO REGISTER WARRANTY.

Customer Name: _____

Address: _____

City: _____ Province: _____

Postal Code/ZIP: _____

Telephone: _____ Date of Purchase: _____

Selling Dealer: _____

Dealer Address: _____

City: _____ Province/State: _____

Dealer Phone: _____ Fax: _____

Model _____

Serial Number: _____ Colour: _____

(Located on the Rear Frame)

