

Tempo Series *USER'S MANUAL & WARRANTY*



 **Revolution
Mobility**
Freedom In Motion

Tempo 3 / Tempo 4

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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 for maximum pleasure whilst using the vehicle please 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 accidents.
- ◆ The symbols used in this manual are explained below:

 Warning	Improper usage could result in serious injury or death.
 Attention	Improper usage could lead to injury and/or damage to your scooter.
 Suggestion	Follow these instructions to keep your vehicle in a good operating order.

- ◆ This manual includes a repair and maintenance record chart and warranty information. Please keep it in a safe place or in the scooter.
- ◆ If someone else uses the scooter make sure that you provide them with the instruction 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.

The Tempo 3/ Tempo 4 range of scooters are part of the Revolution Mobility range, and have been designed and manufactured to provide a comfortable and secure yet affordable solution for some mobility requirements.

2. SAFETY NOTICE

2.1 Before Driving

The user needs to be familiar with the usage and operation of this vehicle before driving. Therefore, please follow the recommendations in this safety notice.

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

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

- ◆ Ride on the pavement, single carriage roads, or pedestrian areas only. Never ride on road, motorways or dual carriageways only use roads to cross to the other side of pavement.
- ◆ Be aware of traffic when crossing roads.
- ◆ Be extremely cautious when driving your scooter on busy areas or in shopping malls.
- ◆ Please do not drive your scooter after consuming alcohol or when you are tired.
- ◆ Please 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.

■ **Practice operating your vehicle**

Before using the scooter in busy or potentially dangerous areas, familiarize yourself with the operation of your scooter. Please practice in a wide and open area like a park. In order to avoid accidents with your scooter whilst driving, please bear in mind driving motions, such as accelerating, stopping, turning, reversing, up-and down ramps.

- ◆ Please turn the speed dial to minimum value for your initial practice.
- ◆ Only use 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 can be carried is 136kg (including occupant and any goods). Refer to “MAX LOAD WEIGHT” in “9. SPECIFICATION”
- ◆ Maximum loading weight for basket is 3kg (7lbs).

2. SAFETY NOTICE

2.2 While Driving

- **Please carry out daily inspections.** Refer to the section entitled “DAILY CHECKING”
- **Do not move your body out of the vehicle whilst moving**
 - ◆ Such action may cause you to lose balance and risk injury from falling.
 - ◆ Pay attention that your clothes do not tangle in the wheels.
- **Do not use your vehicle under the circumstances below.**
 - ◆ On surfaces that are muddy, gravelly, 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 turnings.
 - ◆ 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 Phones and other electrical equipment**
 - ◆ Do not use a mobile phone or other wireless communication devices whilst 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, but remains 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.

2. SAFETY NOTICE

■ Ramps, inclines and drops

- ◆ Do not drive onto steep ramps greater than the specified gradient. Refer to the section entitled “CLIMBING ANGLE” in “9. SPECIFICATION“
- ◆ Always use a low speed setting when ascending or descending a gradient.
- ◆ Do not drive on roads with large drops or potholes. Refer to the section entitled “MAX. GROUND CLEARANCE” in “9. SPECIFICATION”.
- ◆ Do not cross water gutters where the width is too big and where there is a risk of getting the wheels stuck.
- ◆ Please slow down when driving on roads with inclines.
- ◆ Do not make sudden turns when driving on gravel roads or ramps.
- ◆ Always lean forward when climbing a steep gradient

☠ WARNING!

- ◆ Do not set in the freewheel mode when driving on a gradient.
- ◆ Always re-engage the anti-freewheel device before use. Failure to do so may result in injury.
- ◆ To protect your safety, the power will automatically cut off and electromagnetic brake system will activate while you are driving down a steep gradient (over 10°). This will limit the speed to a safe level. Turn the power on again to re-start your scooter.
- ◆ **Maximum User Weight Limit**
Refer to section entitled “MAX. LOAD WEIGHT” in “9. SPECIFICATION “. Overloading past the 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.

■ 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.

2. SAFETY NOTICE

2.3 Labeling

Please carefully read all labels on the scooter before driving it. For your future reference, do not remove them.

WARNING

- ✘ Please hold the tiller before loosening the tiller adjustment knob.
- ✘ Before lifting or driving the scooter make certain the tiller adjustment knob is fully tightened.
- ✘ Never attempt to adjust the tiller while

WARNING

Emergency freewheel device.
Always re-engage the emergency
Free wheel device after use. Failure
to do so may result in injury.

DRIVE
↑
↓
NEUTRAL



WARNING:

Radio waves may affect scooter control.

Radio wave sources, such as radio stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones, can affect powered motorized scooters. Following the warning listed below should reduce the chance of unintended brake release or powered scooter 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 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 OFF as soon as it is safe.
4. Be aware that adding accessories or components, or modifying the powered scooter, may make it more susceptible to interference from radio wave sources. (Note: There is no easy way to evaluate their effect on powered scooter.)
5. Report all incidents of unintended movement or brake release to the powered scooter manufacturer, and note whether there is a radio wave source nearby.

2.4 EMI

This portion of the content 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 NEO SCOOTER.

■ **ELECTROMAGNETIC INTERFERENCE (EMI) FROM RADIO WAVE SOURCES**

Powered vehicle 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 meter (V/m). Each powered vehicle 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. This powered vehicle model 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 warning 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 talkie", security, fire, and police transceivers, cellular telephones and other personal communication devices.

Note: Some mobile telephones and similar transmit signal 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 scooter.
3. Long-range transmitters and transceivers, such as commercial broadcast transmitter (radio and TV broadcast antenna towers) and amateur (HAM) radios;

2. SAFETY NOTICE

Note:

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

■ **POWERED VEHICLE 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 vehicle's control system while using these devices. This can affect powered vehicle movement and braking. Therefore, the warnings listed below are recommended to prevent possible interference with the control system of the powered vehicle.

■ **WARNINGS**

Electromagnetic interference (EMI) from sources such as radio and TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones can affect powered vehicles and motorized scooter. 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-receivers), such as citizens band (CB) radios, or turn ON personal communication devices, such as cellular phones, while the powered vehicle 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 vehicle OFF as soon as it is safe;
4. Be aware that adding accessories or components, or modifying the powered vehicle, may make it more susceptible to EMI (Note: There is no easy way to evaluated their effect on the overall immunity of the powered vehicle);
5. Report all incidents of unintended movement or brake release to the powered vehicle manufacturer, and 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 (the higher the level, the greater the protection);
2. This product has an immunity level of 20 V/m without any accessories and connected to it

3. PARTS INTRODUCTION

3.1 Parts Description

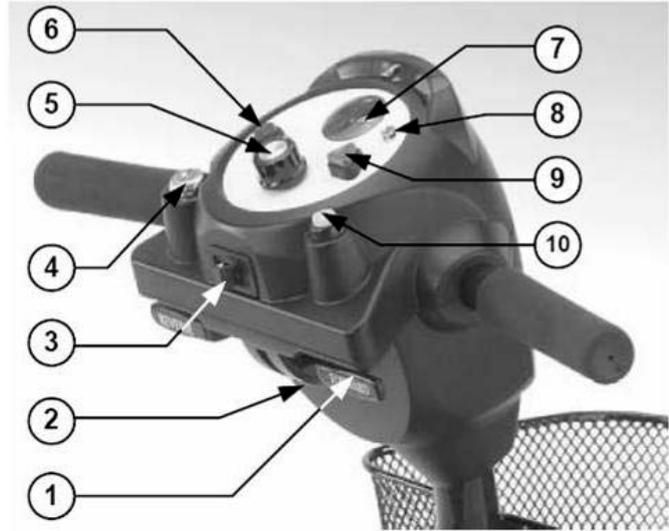
- | | | |
|--------------------|-------------------------|--------------------|
| 1. Speed Dial | 2. Charger Socket Cover | 3. Basket |
| 4. Tiller | 5. Tiller Adjust Lever | 6. Head Lamp |
| 7. Seat | 8. Seat Rotation Lever | 9. Side Reflector |
| 10. Rear Reflector | 11. Freewheel Lever | 12. Anti-tip Wheel |



4. OPERATION

4.1 Control Panel

1. Wigwag paddle
 2. Indoor/Outdoor Switch *
 3. Indicator Switch *
 4. Ignition
 5. Speed Dial
 6. Headlights Button
 7. Battery Gauge
 8. Power Eye
 9. Hazard Warning Button *
 10. Horn Button
- * *On 6 and 8 only*



4.2 How to Operate Your Scooter

■ Key Ignition

- ◆ To switch the power off, turn the key anticlockwise. The power eye should switch off and the key can be removed if required.
- ◆ The key ignition acts as the power switch for the scooter. To switch the power on, turn the key clockwise in the ignition. The power eye should illuminate.



■ Speed Dial

Turn this speed dial to determine the maximum speed of the scooter. Turn the dial clockwise to increase the speed setting and turn the dial anticlockwise to decrease the speed setting.

■ Moving and Braking

- ◆ Push the right-hand side of the wigwag paddle forwards with your right thumb and the scooter will move forward.
- ◆ Push the left-hand side of the wigwag paddle forward with your left thumb and the scooter will move backward, emitting an audible reversing alarm.
- ◆ To brake, release the wigwag paddle which will return to neutral and activate the electromagnetic brake automatically. This will bring the scooter to a prompt stop.

4. OPERATION

4.1 Control Panel

1. Speed Dial
2. Horn Button
3. Head light / Rear Light Button
4. Speed Control Lever
5. Battery Indicator
6. Power Switch (must have key)



4.2 How to Operate Your Scooter

■ Power switch

Turn the key to power ON or OFF

(ON) : Power is turned on

(OFF) : Power is turned off

■ Speed Dial

Turn this dial to determine to the speed range of the scooter.

Turn the dial anti-clockwise to go slower and clockwise to go faster.

■ Forward, Reverse, and Braking

- ◆ Push the speed control lever forwards with your right thumb and the vehicle will move forward.
- ◆ Push the speed control lever backwards with your left thumb and the vehicle will move backward.
- ◆ The horn will beep when the vehicle is in reverse.
- ◆ Release the speed control lever freely while either going forward or reverse, and the electromagnetic brake in the motor will be activated and the vehicle will stop.

■ Indicator Lamp Switch

- ◆ The light will flash and buzzer will make a beeping sound when turning the switch to the left or right.
- ◆ Return the switch back to the middle, the indicator will be cancelled.

■ Horn Button

Press the horn button to sound the horn. Release the button to stop the horn.

■ Light Button

Push the light button to switch the front and rear lights on.

Push the button again to turn the lights off.

4. OPERATION

■ Battery Indicator



Red light	Yellow light	Green light	Green light
Diagnosed signal	25% Power remain Voltage at 22.7~23.6V	75% Power remain Voltage at 23.6~24.5V	Full capacity Voltage at 24.5V ↑

📖 Suggestion

1. You should recharge the batteries after each time the vehicle is used to ensure maximum range. The batteries should be charged up at least once a week even if the scooter is not used.
2. After charging or replacing a new battery, drive the vehicle for 2-3 minutes to make sure the battery capacity is sufficient.
3. In wintertime, the battery may respond more slowly and the battery range may be reduced.
4. When driving on a gradient, the battery indicator light might move up and down. This is a normal phenomenon so please do not worry.
5. Even if the battery is used properly, it is natural for the battery's capacity to reduce with time, which results in reduced battery range compared to a brand new battery. Therefore, when you find the battery's range is about only 50% of the range when the batteries were new, it is time to replace the batteries. Please see your dealer for replacement batteries. If you continue to use the old battery when it should be replaced, it could lead to a rapid decline in performance.
6. The battery range will be reduced when driving frequently on a slope or rough terrain, as this leads to greater consumption of power.

■ Braking

Electro-magnetic brake: Release the speed control lever completely, and the electromagnetic brake will be activated automatically, and the scooter will stop.

☠ Warning

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

4. OPERATION

■ Moving and Braking

- ◆ Push the right-hand side of the wigwag paddle forwards with your right thumb and the scooter will move forward.
- ◆ Push the left-hand side of the wigwag paddles forward with your left thumb and the scooter will move backward, emitting an audible reversing alarm.
- ◆ To brake, release the wigwag paddle which will return to neutral and activate the electromagnetic brake automatically. This will bring the scooter to a prompt stop.
- ◆ The wigwag paddle allows you to control the speed of the scooter up to a maximum speed determined by the speed Dial. The further the wigwag paddle is deflected, the faster the scooter will go.

⚠ Warning

When on a gradient NEVER set the vehicle to the freewheel mode. The electromagnetic brakes will not be applied. This may result in injury.

■ Seat

- ◆ The seat can be rotated and locked in position at 45° intervals.
- ◆ Push the seat adjustment lever forward and swivel the seat.
- ◆ Release the lever, and then continue swiveling the seat until it locks in position.



☞ Attention

Return the seat to the forward position before driving.

4. OPERATION

4.3 How To Set To Freewheel Mode

- ◆ Engaged Mode: Lift the freewheel lever up completely, the scooter can be driven by motor power.
- ◆ Freewheel Mode : Push the freewheel lever down completely, the scooter can be moved manually.



⚠ Warning

Never operate the freewheel level while seated on the scooter or on an incline.

■ Tiller Adjustment

- ◆ The Tiller can be adjusted in to many different to suit each driver.
- ◆ The tiller can be adjusted by following the steps below.
 1. Loosen the knob so the tiller can move. (Fig.4.1)
 2. Move the tiller into the required position then retighten the knob to secure the tiller. (Fig.4.2)



Fig 4.1

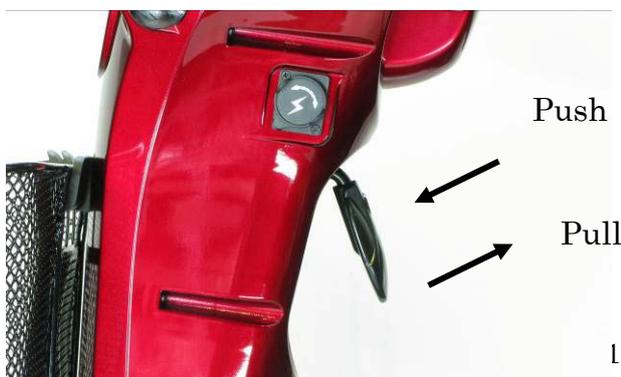


Fig 4.2

■ Tiller Adjustment

The tiller can be adjusted to several positions as you feel comfortable.

3. Push (or pull) the lever to adjust the tiller to positions you want.
4. Once decide the position, release the lever to secure the tiller.



5. DRIVING ON THE ROAD

■ Manual Brake

As well as an electromagnetic brake, squeeze the brake lever to apply the brake and then release the lever to release the brake. The manual brake tightness can be adjusted by the brake cable adjuster near the left hand side wheel.

■ 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 power switch to “ON”.
5. Check battery indicator to see whether there is enough power for your journey. If you have any doubt about the remaining power, please recharge the batteries before departure.
6. Set the speed dial to a position you feel safe and comfortable with.
7. Check the forward/reverse speed lever 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 4mph switch if you are driving on the pavement.

☞ Attention

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

5. DRIVING ON THE ROAD

5.1 Stopping

1. Release the wigwag paddle completely. The vehicle will naturally brake and stop.
2. Turn the scooter off at the key ignition. Then pull out the key.

Attention

- ◆ The stopping distance will vary with your forward / reverse speed. Therefore please begin braking as early as you can.
- ◆ While parking your scooter, be sure to park on flat ground and then turn the power to “OFF” before you get off.

5.2 Main Circuit Breaker (Reset Button)

When the voltage in your scooter’s batteries becomes low or the scooter is heavily strained because of excessive loads or steep inclines, the main circuit breaker may trip to protect the motor and electronics from damage.

The location of the circuit breaker is shown by the arrow on the photograph (below).

If the circuit breaker is activated (tripped) simply push the black button back in to reset the circuit breaker.

Please note the normal position of the circuit breaker button as a point of reference. The button protrudes by 2mm ~ 3mm when operating normally, and protrudes by 7mm ~ 8mm when the circuit breaker has activated.



6. BATTERY CHARGING AND CARE

6.1 Charging The Battery

Follow the procedure below step by step:

1. Turn the power switch to (OFF)
2. Connect the charger's power cord into the power outlet.
3. Open the charging socket cap on the control panel.
4. Then connect the charger's round plug to the charging socket.
5. Turn on the switch on the charger.
6. Both the charger's red and orange LED will be lit when beginning charging. The charging duration is about 6 hours.
7. To ensure optimum performance a 10-hour charge is recommended.
8. Both the charger's LED will be lit during the charging process. The orange LED will turn green when charging is complete.
9. Turn off the charger disconnect the power cord and the round plug from charger socket on the scooter.



6. BATTERY CHARGING AND CARE

Suggestion

1. Do not disconnect the charger cord if charging is not completed. The battery life will be seriously shortened or decayed if the battery is repeatedly used without being fully charged. Therefore be sure to charge the battery fully every time.
2. Always complete the charging until the orange LED light turns green. NEVER stop charging before it is complete.
3. When fully charged, the battery charger will still trickle charge the battery to ensure optimum range.
4. If you do not use your scooter for a long time, it should be charged at least every week to keep the battery in a fully usable condition.
5. Charging time will be affected by the ambient temperature. Charging time will be longer in the 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. Should range or power problems arise, please charge your scooter for 24 hours continually and then retry the scooter.

Attention: Please follow the rules below to avoid accidents while charging.

1. Please use the Revolution Mobility charger only, and recharge the battery to its full capacity every time. You may damage the battery and scooter if you use a charger which is not to the correct specification.
2. Never disassemble or modify the charger.
3. Please charge in a well-ventilated space where it is not directly exposed to the sunlight. Do not charge in surroundings where it is humid or under rainfall and morning dews.
4. Do not charge in temperatures less than -10° C or higher than $+50^{\circ}$ C as the charger may not work well and the batteries may become damaged.

Warning

1. Keep away from flammable objects while charging as it may lead to fire or explosion of battery.
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 whilst charging. Do not connect or disconnect the plug or cord when they are wet, it may lead to electric shock.

6. BATTERY CHARGING AND CARE

6.2 Charger

Both the chargers red and orange LED will be switched ON during charging. The orange LED will turn green when charging completed. It is recommended to leave the charger plugged in for at least 1-2 hours after the green light has become illuminated. This process may increase on maintain the performance of the batteries.

Warning

- ◆ The fan inside the charger will be activated accordingly when you turn on the charger. If the fan does not work when connected to the charger or the green light is not showing, DO NOT use this charger. It may lead to overheating of the charger and cause a fire.
- ◆ There is a red LED present on the charger to illustrate operation. If this LED does not illuminate the charger is faulty, please contact your dealer.

6.3 Battery

- ◆ Do not expose the battery to temperatures below 10° C or above 50° C when charging or storing the vehicle. Being out of the above temperature range can cause the battery either to freeze or over heat. This will damage the batteries and shorten their life.
- ◆ These batteries are maintenance free and there is no need to inspect the battery liquid or 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.

■ Batteries

- ◆ The Tempo 3/Tempo 4 is powered by two deep cycle sealed lead-acid.
- ◆ The batteries supplied with the scooter are 12V. 20Ah batteries.
- ◆ The batteries supplied with the scooter are not generally suitable for air transportation, although this is at individual airlines discretion. Batteries which are suitable for air transportation are available as a wet option, for details about these contact your dealer.

6. BATTERY CHARGING AND CARE

■ Charging the battery

- ◆ Using the charger supplied with the scooter, the charging is about 8 hours.
- ◆ However, to ensure optimum performance we recommend a 12-hour charge.
- ◆ We also recommend that the batteries are not charged for more than 24 hours.

■ Cleaning the battery

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

1. Turn the scooter power switch to OFF.
2. Remove the seat and dust cover.
3. Remove the shroud and unplug the terminal of the tail light and signal lights.
4. Use a clean cloth to wipe off the soiled area.
5. Take out the battery.
6. Clean the battery with a clean cloth. If the terminal is covered by white powder, please wipe it clean using warm water.

Suggestions

If necessary, ask for help from your Revolution Mobility dealer for advice about maintaining and replacing the battery.

Suggestions

1. Make sure the terminals are installed properly and put the cover back on.
2. Do not use the battery to charge telecom equipment or other items.
3. Battery efficiency will vary with outside conditions; the driving distances will be shorter in the winter. If the vehicle is not used for a long time, please charge the battery at least every week.
4. Replace both batteries together.

7. INSPECTION AND MAINTENANCE

7.1 Daily Checking

Check following items before driving.

If you find anything abnormal, contact your Revolution Mobility dealer for further inspection or advice before using the scooter.

Item	Inspection Content
Handlebar	<ul style="list-style-type: none">◆ Is there any looseness?◆ Can it turn left and right smoothly?
Speed Control Dial	<ul style="list-style-type: none">◆ Can it be adjusted freely and does it function well?
Speed Control Lever	<ul style="list-style-type: none">◆ Does the scooter move when the lever pressed down?◆ Does the scooter stop when the lever is released completely?
Motor	<ul style="list-style-type: none">◆ Is there an abnormal noise from the motor?◆ Do the electromagnetic brakes work properly?
Freewheel Mode	<ul style="list-style-type: none">◆ Does the freewheel mode lever work properly?
Battery Indicator	<ul style="list-style-type: none">◆ Is the light on when the power is switched on?◆ Is the remaining power enough for your trip?
Horn	<ul style="list-style-type: none">◆ Does the horn work?
Seat	<ul style="list-style-type: none">◆ Can the seat swivel smoothly?
Tire	<ul style="list-style-type: none">◆ Are there any cracks or other damage to the tire?◆ Check the tire tread depth.
Other	<ul style="list-style-type: none">◆ Are there any abnormal noises?◆ Is there oil leakage from transmission box?

Attention

Go to your Revolution Mobility dealer for inspection and maintenance if you find anything wrong.

7. INSPECTION AND MAINTENANCE

7.2 Regular Checking Record

To make sure your scooter is correctly serviced, take it to your dealer for regular maintenance checks. This should be at intervals of six months after an initial inspection after one month. Your dealer may charge a fee for this. The checking record is shown overleaf.

Suggestion

Even if you don't use the vehicle for a long time it should still be regularly maintained.

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

7. INSPECTION AND MAINTENANCE

7.3 Battery, Fuse And Tire

■ Battery

Refer to the section entitled “6.3 BATTERY” in “6. BATTERY CHARGING AND CARE.”

■ Fuse

If the battery charger is turned on and no LED is lit, check the battery charger fuse.

Suggestion

Ask for help from your Revolution Mobility dealer to inspect or replace the fuse, since the tiller shroud has to be removed first before you can replace the fuse.

Tire

- ◆ The condition of the tire depends on how you drive and use your scooter.
- ◆ Inspecting tire Tread.
- ◆ Please check the tread depth regularly.
- ◆ Replace the tire when the tread depth is less than 0.5 mm.

Attention

1. When tread depth is below 0.5 cm it can easily lead to vehicle slippage, making braking distances longer. Therefore replace the tire as early as possible when they are found to have insufficient tread depth.
2. The tire pressure shall be kept at about 26 PSI (approx. 1.8KG/cm) for the best ride and handling.

7. INSPECTION AND MAINTENANCE

7.4 Maintenance

- ◆ You must maintain the vehicle frequently if you tend to drive on grass, sand, or gravel or in other adverse environments.
- ◆ Do not use water, oil or other chemical solutions to clean your scooter. Be sure NOT to spray the scooter with a hose or tap as this may cause damage to electronic components and PC circuit board. Please clean the vehicle by wiping it with either a dry or damp cloth.
- ◆ Please take the scooter to authorized dealers for repairs and adjustments. Improper adjustments could lead to accidents and scooter malfunction.
- ◆ Please use a soft, wrung dry cloth to keep your scooter tidy and dust-free. Please use natural or mild detergent to clean the scooter.

Attention

When conducting maintenance of your vehicle, please turn the power switch to OFF and remove the charger cords.

Suggestions

- ◆ Do not splash water directly to wash your scooter as this could lead to malfunction of the system electrics.
- ◆ Do not use petrol, solvents or vaporizing solution as these may deform or damage the shrouds.
- ◆ Do not use wax.

7.5 Storage

Ensure the scooter is restored under the following conditions:

- ◆ Ensure the seat is set in “forward” position.
- ◆ Ensure the scooter is switched off.
- ◆ Ensure the charger is disconnected when not in use.

Suggestion

Please store the scooter in a location where it is out of direct sunlight, rain, or dew. When storing for a long time, please charge the battery to full power and then disconnect the battery terminal. For details inquire to your dealer.

7.6 Moving About

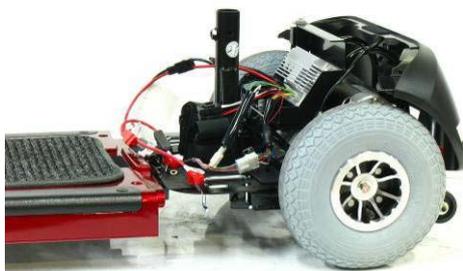
- ◆ Switch off the power with ignition key moving. Always discount from the scooter before moving.
- ◆ Lift the scooter by the chassis, and not by the bumpers. Lifting the scooters by the bumper could cause damage or injury.
- ◆ For your safety, always ask for help if required. You will need two persons when moving or lifting the scooter whole.

7. INSPECTION AND MAINTENANCE

7.7 Disassembling The Scooter For Transportation

◆ The Tempo 3/Tempo 4 can be disassembled into fire pieces, the seat (weight 6.2 kg),the front section (weight 25kg), the rear section (weight 20kg),and batteries (weight 11 kg),without any tools please follow the steps and photographs below:

1. Switch off the scooter.
2. Unscrew the seat hand wheel and remove seat. Be careful not let the seat post drop when removing.
3. Lift up the rear shroud to move (as shown in the photographs below).
4. Disconnect the batteries by disconnecting the two red connectors and two black connectors. Then, undo the Velcro strap and remove the batteries. Please see the photographs below.
5. Loosen the tiller adjustment knob and fold down the tiller and retighten knob.
6. Remove the lock pin.
7. Unplug the front-to-rear harness (blue and red connector).
8. Press down the rear bumper to pivot the scooter's rear section rearwards until the rear section is standing vertically on its rear bumper.
9. Lift the front section up until the lower pegs are no longer in the curved locking brackets. Carefully lift the front section away from the rear section.



7. INSPECTION AND MAINTENANCE

7.8 Assembling The Scooter

Suggestions

The assembly process is essentially the disassembly process in reverse. First study the text and photographs in the disassembly procedure before re-assembling the scooter.

1. Position the front and rear sections of Tempo 3/Tempo 4.
2. Align the lower curved locking brackets of the front section with the corresponding pegs on the front of the rear section.
3. Holding the seat post, slowly pivot the rear section forward until the curved locking brackets are fully connected onto the top rear pegs.
4. Secure the lock pin into the pin hole.
5. Loosen tiller adjustment knob, raise the tiller, then retighten the tiller adjustment knob.
6. Reinstall the batteries and secure them with the hook-and loop strap.
7. Connect the front-to rear harness and battery cables
8. Reinstall the rear shroud.
9. Replace the seat and rotate it until it locks into its correct position.

Warning

After assembling the Tempo3/Tempo4, make absolutely certain the tiller adjustment knob is fully tightened.

8. TROUBLE SHOOTING

If you have trouble with your scooter you can inspect the following before taking your scooter to the dealer:

If you cannot save the problem, contact your dealer for assistance.

Problem	Symptom	Remedy
Scooter will not switch on	<ul style="list-style-type: none">· Batteries not connected· Rear and front sections not connected· Circuit breaker has tripped	<ul style="list-style-type: none">· Check batteries are connected· Check connection on front – to - rear loom· Push circuit breaker button to restart
Scooter will switch on but will not run	<ul style="list-style-type: none">· Flat batteries· Charger plugged in· Motor in freewheel mode	<ul style="list-style-type: none">· Check battery power· Unplug charger· Re-engage the freewheel lever

9. SPECIFICATION

Model Reference	Tempo 3	Tempo 4
Dimension (L x W x H)	47.4" x 22.8" x 43.3" 1200mmx580mmx1100mm	51.2" x 22.8" x 47.3" 1300mmx580mmx1200mm
Weight(Kg),W/I battery W/O battery	87 Kg / 191.4 lbs 62 Kg / 136.4 lbs	91 Kg / 200.2 lbs 66 Kg / 145.2 lbs
Propulsion motor	8M x 1	
Battery	12V 20Ah x 2	
Controller	CTE 70A	
Front Wheel	100x250mm/4"x10"	
Rear Wheel	100x250mm/4"x10"	
Driving System	Direct drive the rear wheels (with differential gear)	
Brake System	Electromagnetic brakes	
Control Method	By speed control lever	
Top Speed (Forward)	7km/h \ 4.2MPH	7.5km/h \ 4.5MPH
Reverse	4.2 km/h \ 2.5 MPH	4.5 km/h \ 2.7 MPH
Climbing angle	8°	
Cruising range (see note)	16-32km / 10-20 Miles	
Max. load weight (including goods)	136 kg (300lbs)	136 kg (300lbs)

Remark: The manufacturer reserves the right to modify the specification if necessary. The final specification is subject to the individual scooter you purchase from your dealer.

Note:

Maximum driving distance is based on an ambient temperature of 20°C, a 75kg driver and a brand new fully charged battery by a constant driving speed at 6 km/h with 70% battery power discharged.

10. WARRANTY

10.1 WARRANTY

There is a comprehensive twelve-month warranty from the date on which your new Tempo 3/Tempo 4 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 Revolution Mobility dealer / service agent.
2. To apply the warranty should your scooter require attention please contact the designated service agent listed below.
3. Should any part of the scooter require repair or full or part replacement, as a result of a manufacturing or material defect within warranty period, the work will be carried out free of charge. Warranty period :
 - A) Frame : 3 Years limited warranty
 - b) Electronic parts : 24 months limited warrantyNote: The warranty 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 be 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, tires and batteries.
7. The above warranty conditions apply to brand new scooters purchased at the full retail price. If you are unsure whether your scooter is covered, check with the service agent.
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 below. 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.

Revolution Mobility authorized Service Agent

Name
Address
Tel
Postcode

10. WARRANTY

10.2 VIN (VEHICLE INDIFICATION NUMBER)

To ensure the correct after sales service and warranty service support, please write down the vehicle identification number that is stuck on the back right-hand side of the frame.



Model	<input type="checkbox"/> Tempo3 <input type="checkbox"/> Tempo4		
VIN			
Motor serial #		Key #	

Warranty Application Form

Name			
Sex	<input type="checkbox"/> Male	<input type="checkbox"/> Female	
Date of Birth	Year	Month	Day
Address			
Model	<input type="checkbox"/> Tempo3 <input type="checkbox"/> Tempo4		
VIN	Scooter VIN:		
	Motor Serial No:		Key #
Date of Purchase	Year	Month	Day
Purchaser Signature			



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