

Commander Series
USER'S MANUAL & WARRANTY



Commander /
Commander Heavy Duty




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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 while 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:
Read especially the notes marked with these symbols:

 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 copy of 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, please 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.

Our scooters have been designed and manufactured to provide a comfortable and secure yet affordable solution for some mobility requirements.

Suggestion

To maximize your batteries efficiency and service life, please fully recharge your new battery before its first time 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, please 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, please therefore 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.
- ◆ 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 be used on single carriage roads in the 12.8km/h switch speed mode.

- **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 while driving, please bear in mind driving motions, such as accelerating, stopping, turning, reversing, up-and down ramps.

- ◆ Please turn the speed dial to value 3 for your initial practice.
- ◆ Be sure someone accompanies you for safety when driving on the roads for the first time.
- ◆ Only use higher speed setting when you are confident that you can easily operate and control your scooter.

- **The WU'S 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**

- ◆ As the maximum weight can be carried please refer to "MAX USER WEIGHT" in "8. SPECIFICATION"
- ◆ Maximum loading weight for basket is 3 kg.

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 while 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.

2. SAFETY NOTICE

■ Do not use your vehicle under the circumstances below.

- ◆ On roads with heavy traffic or roads 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 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, inclines and drops

- ◆ Do not drive onto steep ramps greater than the specified gradient. Refer to the section entitled “CLIMBING ANGLE” in “8. SPECIFICATION”
- ◆ Always use a low speed setting when ascending or descending a gradient.
- ◆ Do not drive on roads with large drops or potholes.
- ◆ 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.

■ 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”. 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, please recharge the batteries before departure.
6. Set the speed dial to a position you feel safe and comfortable with.

2. SAFETY NOTICE

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 12.8km/h switch if you are driving on the pavement.

WARNING!

- ◆ Do not set in the freewheel mode when driving on a gradient.
- ◆ Always re-engage the anti-freewheel device before use. Fail 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. 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. USER WEIGHT” in “8. 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.

Attention

1. Do not push both RH & LH sides of the speed control lever simultaneously. This might leave you unable to control your scooter.
2. 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.
3. Do not set to the highest speeds while 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 area of the operation handle 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 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.

■ Driving on the pavement

- ◆ Ensure the 12.8km/h limit switch is set to the slowest setting when using the scooter on the pavement. This will limit the scooter to a maximum speed of 12.8km/h. It is an offence to travel at more than 12.8 km/h on the pavement. The limit switch can be set to the fastest setting for use on the road or on private ground.

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

- ☠ Do not operate the scooter unless the handle bar is in a lock position.
- ☠ Do not lean against or pull forward on the handle bar 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 use of its products.

NEVER LIFT THE SCOOTER UP BY THE FRONT OR REAR SHROUD

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 near by 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.

3. PARTS INTRODUCTION

3.1 PARTS DESCRIPTION - WT-M3S/M4S/L3DX/L4HS

- | | | |
|-------------------------|----------------------|---------------------|
| 1. Speed Dial | 2. Rear Mirror | 3. Indicator Lamp |
| 4. Charger Socket Cover | 5. Basket | 6. Tiller |
| 7. Tiller Adjust Lever | 8. Head Lamp | 9. Seat |
| 10. Seat Rotation Lever | 11. Hand Brake Lever | 12. Side Reflector |
| 13. Rear Lamp | 14. Rear Reflector | 15. Freewheel Lever |
| 16. Anti-tip Wheel | 17. Reset Switch | |



4. OPERATION

4.1 CONTROL PANEL

1. Speed Dial
2. Horn Button
3. Indicator lamp switch
4. Head light / Rear Light Button
5. Speed Control Lever
6. Battery Indicator
7. Power Switch
8. Emergency lamp switch



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 forwards 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.

4. OPERATION

■ Light Button

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

Push the button again to turn the lights off.

Battery Indicator



■ Battery Indicator

- ◆ When the power switch is turned on the battery indicator will light up with red squares indicating the remaining battery power. The “1” means full power, the “0” means out of power.
- ◆ The remaining power indicated by the battery indicator will vary by the actual driving time incurred and how you drive. Repeated starting, stopping, climbing will consume the power more quickly.

📖 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.
7. The batteries have a six-month warranty covering manufacturing defects. This warranty does not cover faults due to incorrect battery recharging.

■ Braking

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

4. OPERATION

⚠ 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.

■ Seat

- ◆ The seat can be turned to 45 degrees or 90 degrees.
- ◆ Pull the seat adjustment lever forward and swivel 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.
- ◆ Ensure the limit switch is set to the slowest setting when using the scooter on the pavement. It is an offence to travel faster than 4mph on the pavement.

■ How to adjust the armrest width

Loosen the knobs at the back of the seat frame firstly, and then adjust the armrest width by sliding the armrest. Once satisfied with the width, tighten the knob.

■ How to re-position the seat

The seat can be slide backward and forward for a comfortable driving position. To slide the seat, pull the lever at the front the seat and reposition as required.

■ How to set to freewheel mode

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



Tiller Adjustment

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

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



4. OPERATION

■ 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.

■ 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.

5. BATTERY CHARGING AND CARE

5.1 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 scooter's tiller. Then connect the charger's round plug to the charging socket.
4. Turn on the switch on the charger.
5. Both the charger's red and orange LEDs will be lit when beginning charging. The charging duration is about 6 hours. To ensure optimum performance a 10-hour charge is recommended. But we do not recommend a charging more than 24 consecutive hours.
6. Both the charger's LEDs will be lit during the charging process. The orange LED will turn green when charging is complete.
7. Turn off the charger; disconnect the power cord and the round plug from charger socket on the scooter.



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 as a result.
- ◆ There is a red LED present on the charger to illustrate operation. If this LED does not illuminate the charger is defective, please contact your dealer.

Attention

- ◆ While gripping or folding the handle bar, beware of finger or hands caught in the handle area.
- ◆ While returning the battery pack to the battery pack cavity of shroud, beware of finger or hands.
- ◆ A flap on the end of battery pack can be opened to place your bag not over 3 kg.

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 while charging. Do not connect or disconnect the plug or cord when they are wet, it may lead to electric shock.

NOTE: The immovable function will be activated while your scooter is in charging status, which will make your scooter not run.

5. BATTERY CHARGING AND CARE

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. 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.
3. Do not charge in temperatures less than -10°C or higher than $+50^{\circ}\text{C}$ as the charger may not work well and the batteries may become damaged.

5.2 BATTERY

- ◆ Do not expose the battery to temperatures below 10°C or above 50°C when charging or storing the vehicle. Under 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 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.
- ◆ The batteries carry a six-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.

Suggestion – How to maximize your batteries efficiency and service life

1. Fully recharge your new battery before its first time use.
2. Be sure to charge the battery fully every time. The battery life will be seriously shortened or decayed if the battery is repeatedly used without being fully charged.
3. Always complete the charging until the orange LED light turns green. NEVER stop charging before it is complete.
4. Keep your batteries fully charged whenever possible.
5. 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.
6. The ambient temperature will affect charging time. Charging time will be longer in the winter.
7. 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.

■ **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 Revolution Mobility 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”.

5. BATTERY CHARGING AND CARE

2. Remove the seat and dust cover.
3. Remove the shroud and unplug the terminal of the taillight 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.

■ Charger replacement

1. Follow procedure 1 and 2 above.
2. Turn the battery up as photo showed in right.
3. Remember how the wire and socket are situated in the battery pack before you move the charger's wire and socket.
4. Unplug the socket to remove the charger, and then replace a new one.
5. Situate the wire, socket and LED well onto the battery pack as it is originally.
6. Following procedure 7 above.

⚠ Warning

1. The wiring system and charger are well situated in battery pack while assembled in plant. Do not attempt to re-locate the wiring system by yourself. The improper layout of wiring system may result in the wires pinched by battery box, which might the electronic system failure.
2. Be sure the battery wires are connected to their right battery terminal.

📖 Suggestions

If necessary, ask for help from your 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.

6. INSPECTION AND MAINTENANCE

6.1 INSPECTION

- ◆ Clean the scooter with a damp cloth and dust down approximately once a week to preserve the appearance of the scooter.
- ◆ Adjust the tiller height and return to the original position and swivel the seat once a week to ensure the parts adjust and remove smoothly and easily when required.
- ◆ Check for signs of wear and tear on the tires and the upholstery on a regular basis.
- ◆ For optimum performance and to increase the lifespan of your scooter, it is recommended that you have your scooter serviced once a year.

6.2 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 the first inspection after one month. Your dealer may charge a fee for this service.

YEAR	1	2	3	4	YEAR	1	2	3	4
Service Dates					Service Dates				
Controller					Upholstery				
On/off switch					Seat				
Controller 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									

6.3 BATTERY, FUSE AND TYRE

■ Battery

Refer to the section entitled “5.3 BATTERY” in “5. BATTERY CHARGING AND CARE.”

■ Fuse

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

6. INSPECTION AND MAINTENANCE

Suggestion

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

■ Tires

The condition of the tires depends on how you drive and use your scooter.

- ◆ Inspecting tire tread
- ◆ Please check the tread depth regularly. Replace the tires when the tread depth is less than 0.5 mm.

Attention

1. When tread depth is below 0.5mm it can easily lead to vehicle slippage, making braking distances longer. Therefore replace the tires as early as possible when they do not 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.

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.

6.4 STORAGE

Make sure the vehicle is stored under the following circumstances:

- Make sure the seat is set in the “Forward” position
- Make sure the Power switch is turned to OFF

Suggestion

Please store the scooter in a location where it is away from the 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 scooter dealer.

6. INSPECTION AND MAINTENANCE

6.5 MOVING ABOUT

- ◆ Turn the power switch “OFF” 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 2 or 3 persons when moving or lifting the vehicle.

7. DISASSEMBLY AND ASSEMBLY

7.1 DISASSEMBLING THE SCOOTER

The procedures for assembling and disassembling are very similar for the scooters. The following procedure is to disassemble the scooter for transportation:

1. Switch off the scooter at the key ignition.
2. Unscrew the seat hand wheels and remove seat. Be careful with the seat as it is heavy.

3. Lift up the rear shroud (1) and disconnect the rear light loom at the connector (2) and remove the rear shroud completely (as shown in the photographs below).

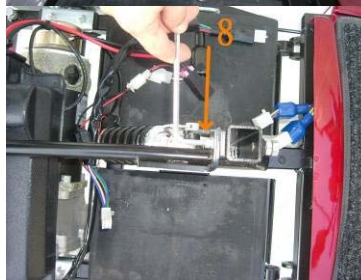
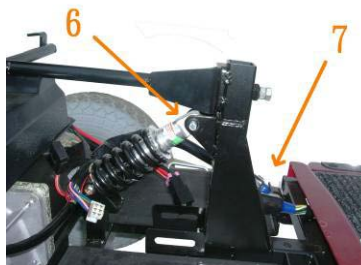


4. Next, disconnect the batteries by disconnecting the red connector from the red connector (3) and black connector from the black connector (4). Then, undo the hook-and-loop strap (5) and remove the batteries (6). Please see the photographs below.



5. Disconnect the main loom to separate the wiring between the front and rear of the scooter (not shown).

- a. It is necessary to slacken off the two frame tensioning bolts in order that the locking pin may be removed (8). Pull up and remove the locking pin (9) and remove the two nuts and bolts, which hold the separate chassis frames together (10). Finally pull the chassis of the scooter apart to separate. (11)



- b. WT-L4A: Pull up and remove the 3 locking pin (12). The brake cable can be separated by removing the clip and locking pin (13). Finally pull the chassis of the scooter apart to separate.

7. DISASSEMBLY AND ASSEMBLY

7.2 ASSEMBLING THE SCOOTER

1. Push the two halves of the scooter together and reinsert the locking pin, also tightening tension bolts on. Reconnect the main loom.
2. Reinstall the batteries and secure them with the hook-and-loop strap.
3. Reconnect the batteries ensuring the two red connectors are together, and the two black connectors are together. **DO NOT CONNECT A RED CONNECTOR TO A BLACK CONNECTOR.**
4. Reconnect the rear light loom and replace the rear shroud and rubber shroud cover.
5. Replace the seat and secure with the knob.

8. TROUBLE SHOOTING AND SPECIFICATION

■ TROUBLE SHOOTING

<i>Symptom</i>	<i>Remedy</i>
The scooter will not switch on	<ul style="list-style-type: none"> Try recharging the battery Check the fuse and circuit breaker in the scooter
The scooter switches on, but the scooter will not move.	<ul style="list-style-type: none"> Ensure there is enough power in the batteries. If not, recharge the batteries. Ensure the free wheel lever is engaged in the 'DRIVE' position.
The scooter appears slow	<ul style="list-style-type: none"> Check the battery power level and recharge Check the speed dial is not set to slow.
The seat turns when in operation	<ul style="list-style-type: none"> Slowly rotate the seat until it drops in to place and is secure
The handlebar appears loose	<ul style="list-style-type: none"> Tighten the height adjustment handle to secure the handlebar
Involuntarily horn sounds	<ul style="list-style-type: none"> Ensure that the wigwag paddle is released. Switch the scooter off and on. Recharge the batteries. If problem persists contact your Revolution Mobility dealer.

SPECIFICATION

Model Reference	Commander Heavy Duty	Commander
Dimension (L x W x H mm)	1460 x 670 x 1140	
Weight w/i battery	106 Kg	
without battery	77 Kg	
Battery	12V 50Ah x 2	
Charger	24V 5A	
Front Tire	4.00-5 x 2	
Rear Tire	4.00-5 x 2	
Driving System	Direct drive the rear wheels (with differential gear)	
Brake System	Electromagnetic brakes	
Control Method	By speed control lever	
Top Speed	12.8 km/h	
Climbing angle	12°	
Cruising range	32km	40km
Max. user weight	182 kg	136 kg

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 12.8 km/h with 70% battery power discharged.

9. WARRANTY

WARRANTY

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 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 twelve months of receiving the scooter, the work will be carried out free of charge.
 - a) Frame : 3Years limited warranty
 - b) Electronic parts : 1Years limited warranty
- Note: 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

9. WARRANTY

10.1 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	Commander Heavy Duty / Commander		
Chassis NO.			
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"/> Commander Heavy Duty <input type="checkbox"/> Commander			
Vehicle Data	Scooter Chassis No.:			
	Motor Serial No:		Key #	
Date of Purchase	Year Month Day			
Purchaser Signature				



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