



S1 Electric Trolley
Instruction Manual

EN

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Locating your Serial Number

The serial number for your Motocaddy trolley is located on the underside of the battery tray. This number is required when registering your warranty online and should be kept handy for future use.

The same number should also be on the box received with your trolley. Please ensure you keep hold of the packaging in case you need to return your trolley for any reason. A proof of purchase must also be kept in case your trolley requires servicing during its warranty period.

Please keep a record of your trolley serial number here for future reference

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Information about DHC (Downhill Control) models

The information in this instruction manual applies to both standard and DHC electric trolley models. For DHC specific functionality, please turn to page 17.

Safety Cut-out

This Motocaddy trolley is fitted with a timed safety cut-out feature. Once started the trolley will automatically cut power to the motor after ten minutes to prevent any possible damage to the trolley. Pressing the on/off button will reset your trolley.

Safe use of your Trolley

This Motocaddy trolley is designed for the transportation of golf bags and clubs contained within. Using the trolley for any other reason may cause damage to the trolley and cause harm to the user

- Do not attempt to transport any other equipment
- The trolley is not designed for the transportation of people
- Do not use the trolley to assist you when going up hills
- Submerging the trolley in water (e.g. a lake) is likely to cause damage to the trolley
- Do not operate the trolley whilst under the influence of drugs or excessive amounts of alcohol
- All batteries must be disconnected from the trolley before transporting

Caring for your Trolley

Although your Motocaddy trolley has been weatherproofed, please follow these simple guidelines to help protect your trolley:

- Do not store your trolley outside
- Try to minimise exposure to rain as much as possible with an umbrella during heavy rainfall
- Wipe excess water from the trolley prior to storage
- Never use a pressure washer to clean your trolley. To prevent water damage, wipe down with a damp cloth
- Avoid using high pressure air hoses near moving components

Your Motocaddy trolley is designed to require very little maintenance. We do however recommend giving your trolley regular checks to ensure:

- There is no build up of excess mud and dirt
- The front wheel nut is on tightly and quick release lever is clamped down
- The front wheel is not clogged up and turns freely
- The QUIKFOLD track is kept clean and well lubricated

Only original Motocaddy parts should be used when repairing your trolley.

Battery Care & Advice

All batteries must be charged as soon as possible after each use. Leaving batteries discharged for long periods of time will affect the battery life.

Please ensure that only batteries supplied by Motocaddy are charged with Motocaddy chargers. Cyclic battery chargers are designed specifically in accordance with the battery manufacturer's requirements. The Lithium battery charger **MUST NOT** be used to charge any other battery and is designed for use with Motocaddy Lithium batteries only.

The charger should only be connected to an earthed socket outlet and the battery charger should only be opened and maintained by authorised personnel. Unauthorised opening will invalidate your warranty.

The battery must be stored and charged on a dry non-carpeted surface and charged at temperatures ranging between 10°C and 30°C. Charging above or below these temperatures is not recommended as it can reduce the battery capacity.

When connecting your battery to the trolley, please ensure that the connections match up black to black and colour to colour.

Battery Care Tips

- Try to avoid getting the battery too wet (i.e. do not submerge the battery, avoid deep puddles and do not clean your trolley whilst the battery is still in the battery tray)
- Dropping the battery may cause damage to the internal cells
- Do not lift or carry the battery by the cable
- Use a damp cloth to clean off any dirt

Charging your Lithium Battery

1. Unplug the Lithium battery from the trolley. This should always be performed before folding the trolley to avoid damage to the battery and/or trolley
2. Plug the charger into your mains supply
3. Attach the battery cable to the charger matching the black and white (or blue) connections
4. When the charging LED indicator has turned green, the battery is fully charged and ready to be used

 RED - Battery Charging   GREEN - Battery fully charged and ready to be disconnected

5. The charging process will take between 3 to 5 hours depending on the depth of discharge (please be aware that this may take longer for the first few charges)
6. Once charging is complete please disconnect the charger from the mains power supply
7. Finally disconnect the charger from the battery

Recommendations for the hibernation of Lithium batteries during Winter months

If for any reason your Lithium battery is not going to be used for lengthy periods, e.g. 3 months over the winter, it is advised to store the battery half charged. To do this simply use the battery for a round of golf as usual and charge it for 1.5 hours at the end of the round. Before the battery is used again, recharge it (top it up) prior to use. We recognise that extended absences are not always planned in advance, however when it is likely that you will not be using your battery for a period of time it is good practice to follow these steps to extend the life of your Lithium battery. Please ensure that the charger is ALWAYS disconnected from the battery after charging.

Battery Management System (BMS)

Motocaddy Lithium batteries are fitted with a comprehensive battery management system (BMS) to protect the battery from excessive abuse, high currents, deep discharge and overcharge. When the battery is delivered there may be no output as the BMS is designed to maximize safety whilst shipping. Please ensure that the battery is fully charged prior to connecting it to your trolley as this will activate the BMS and effectively 'switch-on' the battery. From time to time, at deep discharge or long term storage the BMS may switch-off the battery. A full battery charge will rectify this problem.

Motocaddy golf trolleys are designed to work with the BMS system installed in the Lithium batteries and the voltage meter is also synchronised to work in conjunction with the battery. If for any reason the voltage on the battery falls below the low battery warning on the trolley, then the BMS may disable the battery to protect it. Again if this occurs please recharge fully. Please be aware that Lithium batteries tend to 'drop off' quickly at the end of the cycle so it is not advisable to attempt to play excessive holes as the BMS will activate for protection purposes.

Attaching the Wheels

There is a left and a right wheel and it is important that you don't put them on the wrong way round, otherwise the trolley will not move. There is an 'L' and 'R' on the inside of the wheel on the central hub. Left and Right sides are determined when stood behind the trolley at the handle.

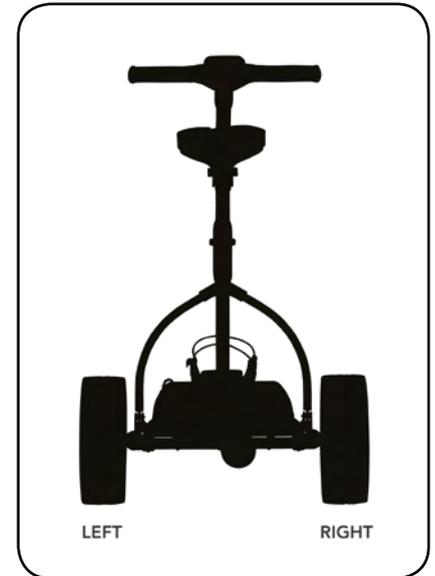
NB : DHC trolley models do not have a specific left and right wheel.

To attach the wheels, follow these simple steps:

1. Push the quick release in towards the centre of the wheel
2. Slide the wheel on to the axle as far as it will go
3. Release the button and pull the wheel outwards slightly to lock
4. You will hear a small click which will confirm they are in the correct position

The outer groove can be used as a 'free-wheel' option if you run out of battery power during a round of golf.

IMPORTANT : To check you have attached the wheels correctly onto the inner groove, you will find they will only rotate freely in one direction. (This does not apply with DHC models)



Unfolding your Trolley

This Motocaddy trolley is fitted with the QUIKFOLD system, allowing you to fold and unfold your trolley quicker than ever before.

Unfolding your Trolley

1. Press and hold the upper QUIKFOLD release button (fig. 1)
2. Lift the handle and release the button (fig. 2)
3. Unfold the upper frame section **fully** (fig. 3)
4. Lift the main frame from the central hinge using the section marked 'Hold Here' until the QUIKFOLD system clicks in place. **Do not hold/touch the trolley anywhere else during this process** (fig. 4)
5. Unfold the upper bag support

NB : Do not lift from the handle (step 4 above) as this will complicate the folding process and may damage your trolley.



Fig 1



Fig 2



Fig 3



Fig 4

Folding your Trolley

1. Make sure your battery is unplugged
2. Ensure that the upper bag support has been folded up to avoid damage to the frame whilst folding
3. Press and hold the lower QUIKFOLD release button (fig. 1)
4. Lower the main frame **completely**, releasing the button at any point (fig. 2)
5. Once the frame is **completely flat**, fold the handle towards the front wheel until the QUIKFOLD system clicks in place (fig. 3)
6. You may need to gently push as indicated if you do not hear a click (fig. 4)

NB : To avoid injury, ensure the latch has clicked in place securely before carrying.



Fig 1



Fig 2



Fig 3



Fig 4

Using the Upper & Lower Bag Supports

Using the Upper Bag Supports

The upper bag support straps are secured using the following steps:

1. Stretch the elasticated strap around the bag & loop the rounded bar underneath the hook (fig. 1)
2. Position the two placement straps centrally on your golf bag (fig. 2)

Using the Lower Bag Supports

This Motocaddy trolley is fitted with the EASILOCK™ bag attachment system. If you are using an EASILOCK™ compatible golf bag please follow these simple instructions:

1. Remove the two pre-fitted lower bag straps by depressing the rear button and sliding (fig. 3)
2. Match up the indicating line on the golf bag with the line on the lower bag support
3. Lower the bag until the pins lock in position. You should hear a small click

If you are using a non-EASILOCK™ golf bag, please use the following instructions:

1. Stretch the lower bag strap around the bag base & loop the rounded bar underneath the hook
2. Position the two placement straps centrally on the base of your golf bag

Please ensure all straps are hooked securely before releasing. Failure to do so could result in injury.



Fig 1



Fig 2



Fig 3

Adjusting the Bag Supports

The bag support straps are manufactured from elasticated material to allow your golf bag to be held tightly in place.

The strap should be adjusted to be reasonably tight around the golf bag:

1. Unclip the elasticated straps from the housing by pulling outwards in the direction shown (fig. 1)
2. Move the bar as required to tighten or loosen the strap fitting. Pulling the bar downwards will tighten, pushing it upwards will loosen (fig. 2)
3. Ensure that the straps are clipped back into the housing before use (fig. 3)



Fig 1



Fig 2



Fig 3

Equipment Overview

Equipment Overview

1. LCD Digital Display
2. Speed Setting (see pg 15)
3. Advanced Battery Meter (see pg 15)
4. Speed Controller & On/Off Button (see pg 15)
5. Upper Bag Support
6. QUIKFOLD Upper Release Button
7. QUIKFOLD Lower Release Button
8. Rear Wheels
9. Rear Wheel Release Button
10. EASILOCK™ Lower Bag Support
11. Battery
12. Battery Tray
13. Motor (located under Battery Tray)
14. Front Wheel
15. Front Wheel Alignment Adjusters
16. Battery Connector



Starting, Stopping & Changing Speed

The S1 is very simple to control. There is one main button that is used to start and stop the trolley, whilst also controlling the speed, which can be adjusted while the trolley is stationary or in motion.

The trolley has 9 speed settings (1 to 9) with 1 being the slowest and 9 the fastest. To increase the speed, rotate the speed dial clockwise, or anti-clockwise to decrease the speed.

To start the trolley, simply select your required speed setting and press the button. The trolley will smoothly accelerate until it reaches the selected speed. To stop the trolley, simply press the button again - there is no need to reduce the speed setting.

You will notice the red chevrons will start flashing when you press the on/off button. This indicates that the trolley has been started.



Battery Meter

The S1 includes an on-screen battery meter which provides an indication of remaining battery capacity. The number of illuminated bars will decrease as the battery capacity reduces.

The trolley is designed to protect your battery from being fully discharged, should your battery capacity drop too low the trolley will cut the power to the motor. If this should happen you will see the battery meter flashing on screen. (fig. 1 & 2). Please charge your Lithium battery before further use.

NB : Please be aware that certain moisture, temperature and humidity conditions can result in localised misting within the display screen. This will not affect the trolley functionality, nor cause any damage and will return to normal when adverse conditions subside.

Battery Setting

The battery meter needs to be set to measure capacity based on the type of Lithium battery being used. When the battery is connected to the trolley, the Speed Setting will briefly show 'n' (fig. 3) or 'P' to indicate the current setting. It needs to be set to 'n' for use with 14.4V batteries or 'P' for use with 12.8V batteries. The voltage is listed on the underside of the battery casing. To change the battery setting:

1. Push and hold the On/Off button, connect the battery and release the On/Off button
2. The Speed Setting on the digital display will show 'n' (for 14.4V batteries) or 'P' (for 12.8V batteries)
3. Press the On/Off button down to toggle between these two settings
4. Disconnect the battery to store the chosen setting



Fig 1



Fig 2



Fig 3

The below information is applicable to DHC models ONLY.

Introduction to DHC

The letters DHC stand for 'Downhill Control' and mean that your trolley will maintain a controlled speed whilst travelling down hills.

Whenever you are looking to move the trolley, even if just to reposition it ready to use, always put it on a low speed setting to make it easier to steer.

Using the DHC Parking Brake

DHC models are fitted with an electronic parking brake. To use this feature, the trolley must be in a stationary position. The parking brake is initiated by rotating the speed dial down to 1 and then rotating one click further.

Once activated, the screen will toggle between 'P' and number '1' (fig. 1 & 2).

The speed setting can be adjusted whilst the parking brake is activated by turning the speed dial.

To release the parking brake, press the on/off button to start the trolley.



Fig 1 - S1 DHC



Fig 2 - S1 DHC

Adjusting the Front Wheel Alignment

Adjusting the Front Wheel Alignment if your trolley is veering

In the unlikely event that your trolley is not tracking in a straight line, the alignment of the front wheel can be adjusted to rectify the fault. This problem can be caused by a number of factors including a slightly loose bag support or an unevenly packed golf bag. Should you wish to alter the alignment of the front wheel, follow these simple steps:

1. Lift the quick release lever positioned on the front wheel housing and loosen the wheel nut (fig. 1)
2. There are two small metal dials on either side of the housing that are used to realign the wheel (fig. 2)
3. If your trolley is veering to the right, you will need to turn the left hand dial clockwise and the right hand dial anti-clockwise
4. If your trolley is veering to the left, you will need to turn the right hand dial clockwise and the left hand dial anti-clockwise
5. Tighten the wheel nut and push down the lever to lock the wheel back into place (fig. 3)

This procedure can be carried out until you are happy the trolley is moving in a straight line (please note you may only need to adjust one dial at a time).

NB : These instructions are based on positioning yourself in front of the trolley looking at the wheel.



Fig 1



Fig 2



Fig 3



DECLARATION OF CONFORMITY

ORIGINAL

Business Name and Full Address of Manufacturer

Motocaddy Ltd - Units 15-18 Stansted Distribution Centre,
Start Hill
Great Hallingbury

Hertfordshire
CM22 7DG

Name and Address of Authorised Representative

-

Name and Address of the Person in Community Authorised to compile the Technical File (if different to above)

-

Description of product (Commercial Name)

Motocaddy Electric Trolley

Function, Model, Type, Serial Number

Function: Electric Trolley

Model: S1/S1 DHC/S3 PRO/S3 PRO DHC/
S5 CONNECT/S5 CONNECT DHC/S7 REMOTE/
M1/M1 DHC/M3 PRO/M3 PRO DHC/
M5 CONNECT/M5 CONNECT DHC/M5 GPS/
M5 GPS DHC/C-TECH

Type: Motocaddy Digital Range

Standards Used

BS EN ISO 12100 2010

Place of Declaration

Units 15-18 Stansted Distribution Centre,
Start Hill
Great Hallingbury

Hertfordshire
CM22 7DG

Date of Declaration Tuesday January 01, 2019

Declaration

I declare that the machinery fulfils all the relevant provisions of the following Directives:- Low Voltage Directive 2006/95/EC, Electromagnetic Compatibility Directive 2004/108/EC.

Person Empowered to Draw Up Declaration

Name: John Helas

Position: Managing Director

Signature:



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We are dedicated to protecting the environment and encourage the recycling of Motocaddy products through a free collection and disposal service. To find out more or to locate your nearest Motocaddy recycling point, please contact us through our website.

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