

# delta mDrive

## USER MANUAL



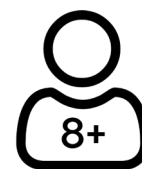
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## IMPORTANT SAFETY INSTRUCTIONS

### IMPORTANT!

Read the safety instructions in this manual before use. If the precautionary measures described are **NOT** followed, the warranty will be void. Failure to follow this user manual could result in serious injury or even death.



### WARNINGS

- To ensure that the charger and battery are handled in a safe way and that users involved understand the danger of electricity, charging of the battery must only be handled by persons aged 8 and up.
- Persons with reduced physical, sensory or mental abilities, lack of experience or knowledge must be supervised or trained in the use of the battery and charger.
- Do NOT let children play with the battery and/or charger. Children must be supervised if they perform any kind of cleaning and/or maintenance.
- Do NOT use this product or charger if any power cable is frayed, has broken insulation or any other signs of damage.
- DO NOT attempt to recharge non-rechargeable batteries with the battery charger.
- For safety reasons, if charging the battery indoors the battery should be recharged in a room with a fire alarm installed.
- Only charge the battery with the included charger.
- Do not dismantle or damage the battery.
- Only use the Promovec battery included.
- Do not throw the battery into a fire.
- Do not immerse the battery in water or any other liquid.
- Never charge the battery at temperatures below 32°F (0°C) or above 113°F (45°C).
- Do not heat, short circuit, puncture or otherwise mistreat the battery.
- Remove the battery from the bike when cleaning it.
- Do not change or tamper the electrical system.
- Disposal of batteries (Pg. 21).
- Transportation of the e-bike (Pg. 28).



### SAVE THESE INSTRUCTIONS

## CONGRATULATIONS ON THE PURCHASE OF YOUR NEW E-BIKE!

The Delta mDrive is a new generation of e-bike designed and developed based on many years of experience with our e-bike partner Promovec. Please read this user manual as it contains important information concerning the safe use and maintenance of this e-bike.

The Delta mDrive is a modern e-bike that has been manufactured following the latest production standards and techniques ensuring you have the highest quality bike with premium performance.

If you have further questions regarding your e-bike operation or assembly, please reach out to us at 800-474-6615 or [www.designbydelta.com](http://www.designbydelta.com) for Delta Customer Service.

### BPSA CLASSIFICATION - CLASS 1

A "Class 1 electric bicycle" or "Low-speed pedal-assisted electric bicycle," is a bicycle equipped with a motor that provides power assistance only when the rider is pedalling. The maximum assisted speed of this e-bike is 15.5 mph.

### INTENDED PURPOSE

The e-bike is intended for use on regular paved surfaces as well as unpaved surfaces, gravel roads and trails with moderate grades.



#### CAUTION

- Do NOT use the e-bike in combination with a bike trailer.
- Always use original Promovec spare parts when replacing electrical components.
- Do NOT clean the e-bike with a high-pressure cleaner.
- If the electrical system is modified the warranty is null and void.





## **WARNINGS:**

- Using the e-bike outside the specified terrain may result in injuries and/or damage to the e-bike.
- Wet weather impairs traction, braking and visibility, both for the bicyclist and for other vehicles sharing the road. The risk of an accident is dramatically increased in wet conditions, take proper precautions.
- Under wet conditions, the stopping power of your brakes (as well as the brakes of other vehicles sharing the road) is dramatically reduced and your tires will not grip as well. This makes it hard to control the speed of the bike and risk a loss of control. To make sure that you can slow down and stop safely in wet conditions, ride slowly, apply your brakes earlier and more gradually than you would under, dry conditions.

## GETTING STARTED

**Assembly of this e-bike is recommended by a certified bicycle mechanic.**

If you choose to assemble your e-bike it is recommended that your bicycle be inspected by a certified bicycle mechanic prior to riding.

It's important to follow this assembly guide. E-bikes are great fun but improper assembly can result in serious injury and/or death.

The tools you will need to assemble this bike are as follows:

- 4mm Hex Key (included)
- 5mm Hex Key (included)
- 6mm Hex Key (included)
- Multi-wrench (included)
- 15mm open-ended wrench and/or a dedicated 15mm pedal wrench (Recommend)
- Snips or cable cutters (not included)
- Torque wrench (not included)
- Pump to inflate the tires (not included)
- Grease for the pedal axle threads, stem and seatpost (not included)

We recommend using a torque wrench to check all the nuts and bolts that require assembly to meet the required torque settings.

Once the e-bike has been unpacked, make sure you have removed all the packaging and dispose of it appropriately – much of the packaging materials can be recycled.

Before disposing of the carton check that there are no remaining parts in the box.

When cutting zip-ties we recommend using snips or cable cutters to cut. Be very careful not to cut any cables or wires.

We recommend using a bicycle assembly stand to help secure the bike during assembly.



Check the latest assembly information here.

## STEM ASSEMBLY

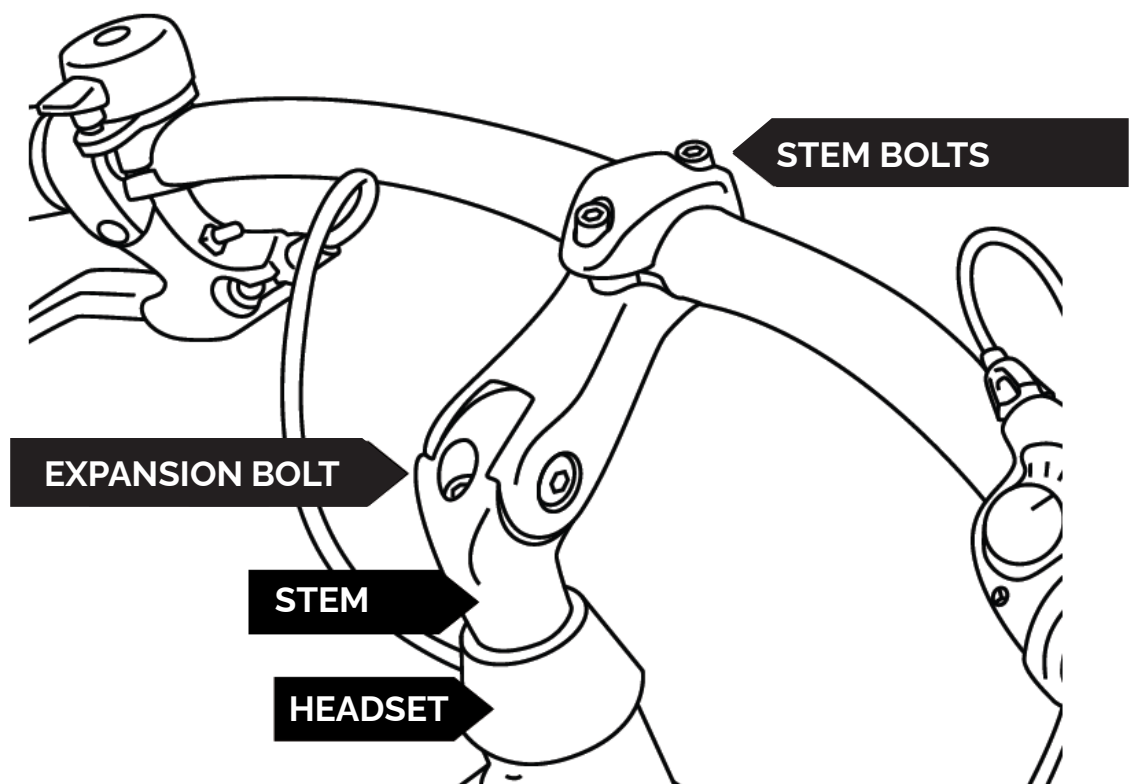
The handlebar comes mounted on the stem with brake levers and gear shifter mounted to the handlebar. Insert the stem into the headtube and ensure the minimum insertion mark is fully inserted into the headset.

1. Add grease to the stem, then insert it into the headset, the minimum insertion mark must be fully inserted into the headtube.
2. Align the handlebars perpendicular with the front wheel.
3. Remove the rubber cover in the top of the stem expansion bolt.
4. Tighten the expansion bolt with 22-23 Nm in the stem ensuring the stem is fixed in position.
5. Place the rubber cover back into place.
6. Test that the stem cannot be removed or turned after installation.

## HANDLEBAR ADJUSTMENT

It will be necessary to angle the handlebar to the correct riding position which is the grips pointing down approximately 3-4 degrees from horizontal.

7. Loosen, but do not remove, both stem bolts.
8. Angle the bars in the correct position by pulling up on the grips.
9. Ensure the handlebar is still centered in the stem.
10. Tighten both stem bolts equally to 8-10 Nm.
11. Test that the bars cannot be moved up or down after installation.





## **WARNINGS!**

- The stems minimum insertion mark must not be visible above the top of the headset. If the stem is extended beyond the minimum insertion mark the stem may break or damage the fork's steerer tube which could cause you to lose control and fall leading to serious injury and/or death.
- An insufficiently tightened stem expansion bolt, handlebar clamp bolt or stem angle adjustment bolts may compromise steering action, which could cause you to lose control and fall leading to serious injury or death.
- Place the front wheel of the bicycle between your legs and attempt to twist the handlebar/stem assembly. If you can twist the stem in relation to the front wheel or turn the handlebars in relation to the stem, the bolts are insufficiently tightened.

## STEM ANGLE ADJUSTMENT

The stem can be adjusted to raise the height of the handlebar to suit the desired riding position.

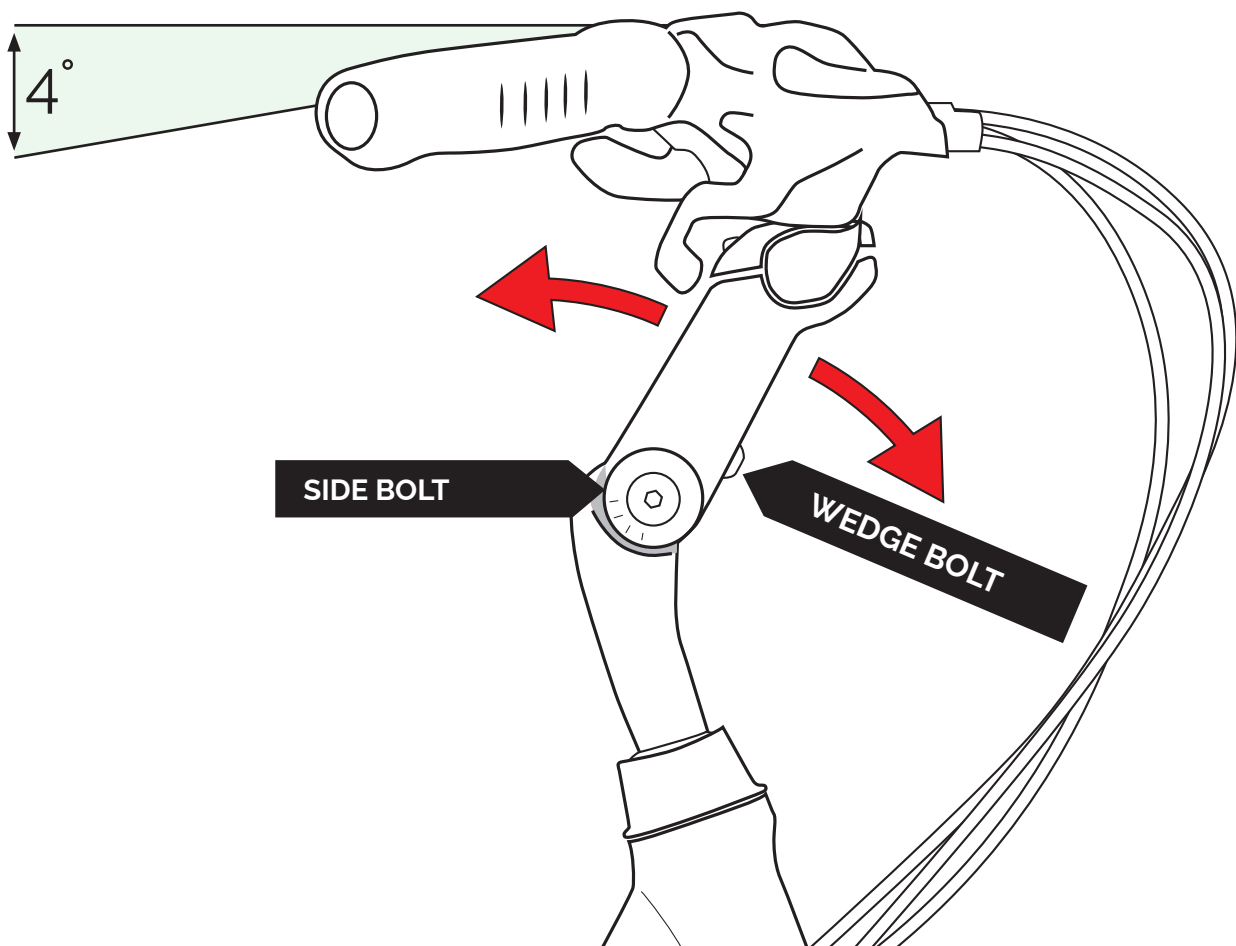
1. Loosen but do not remove the wedge bolt located on the underside of the stem.
2. If necessary, loosen the bolts on the side of the stem.
3. Adjust the stem to the desired angle.
4. Tighten the bolts on the side of the stem to 8 Nm if they were loosened in step 2.
5. Tighten the wedge bolt on the underside of the stem to 14-15 Nm.

If you choose to change the angle of the stem it is likely you will need to adjust the angle of the handlebars. Repeat the steps in the section "Handlebar adjustment" above to get the correct angle for the handlebar if necessary.



### WARNINGS

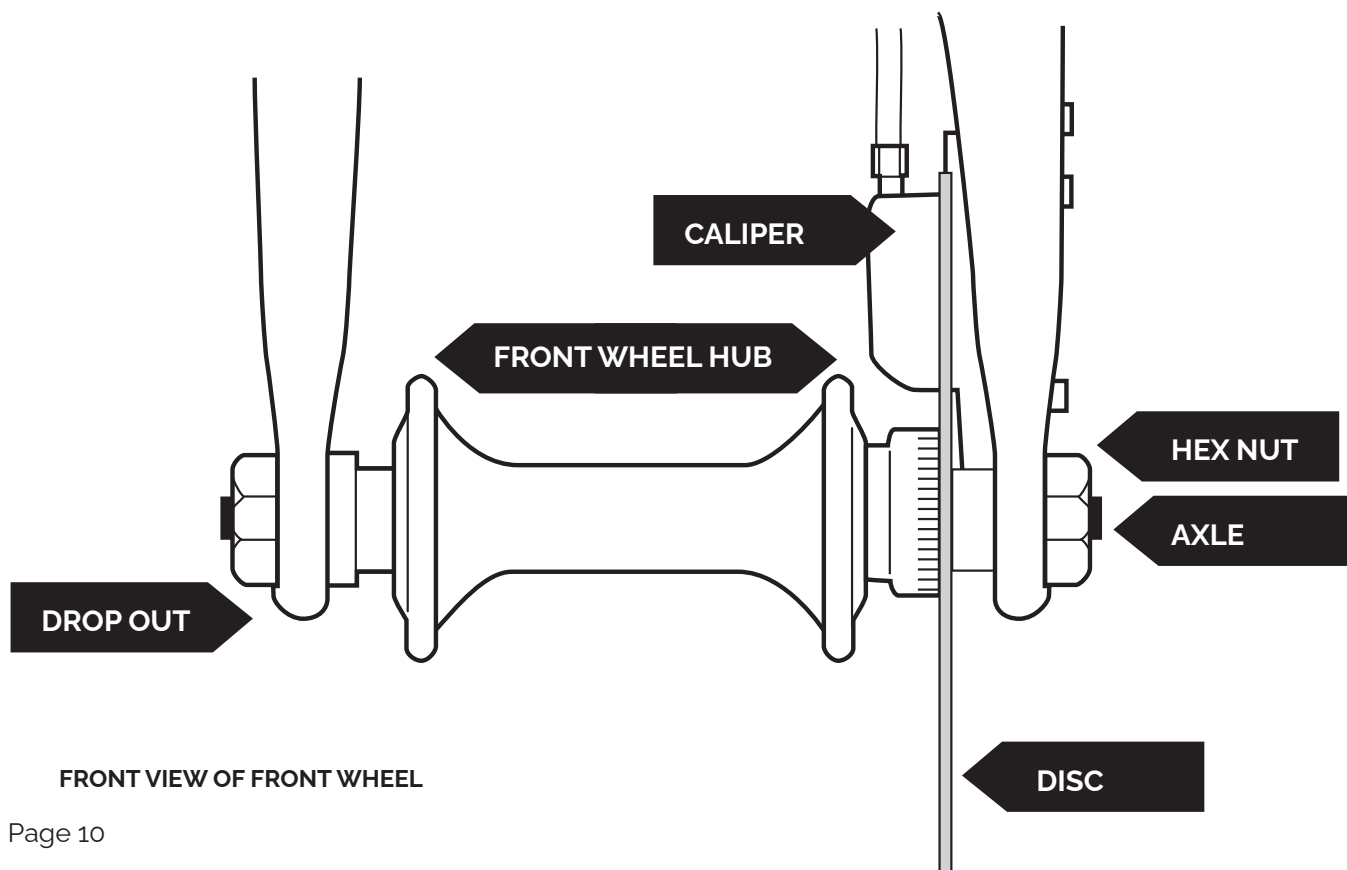
- Insufficiently tightened bolts that controls the stem angle may compromise steering action, which could cause you to lose control and fall leading to serious injury or death. Ensure there is no movement by pulling up and pushing down on the stem, properly torque bolts to the specified Nm.



## FRONT WHEEL INSTALLATION

Bicycle wheels are designed to be removeable for easier transportation and for repairing punctures. Align the disc rotor into the brake caliper and then insert the hub axle on the wheel into the fork dropouts. The wheels are secured with the supplied axle nuts and washers (where applicable) which are threaded onto the hub axle.

1. Ensure all the packing material is removed from the fork paying close attention to the plastic fork protector at the bottom of the fork legs.
2. Remove the plastic spacer from the brake caliper.
3. Insert the front wheel into the fork by carefully aligning the disc rotor into the disc caliper and then locate the axle into the fork dropout. Note: you may need to loosen the axle nuts a few turns to get the axle into the fork dropouts.
4. Check the axle is fully inserted into the fork dropouts and tighten the axle nuts to 30Nm torque.
5. The wheel should spin freely and stop easily by pulling the left hand brake lever. If the wheel does not turn or the disc rotor is rubbing on the caliper first re-check the above assembly sequence and check the axle is sitting correctly in the fork dropouts.
6. If problems continue you may need to adjust the caliper – refer to Brake Maintenance section or consult a trained bicycle technician.
7. At this point it is recommended you check the inflation of both the front and rear tires. Please refer to the Tires, Tubes and Wheels maintenance section.







## **WARNINGS**

**Riding with an improperly secured wheel can allow the wheel to wobble or fall off the bicycle, which can cause serious injury and/or death. Therefore, it is essential that you:**

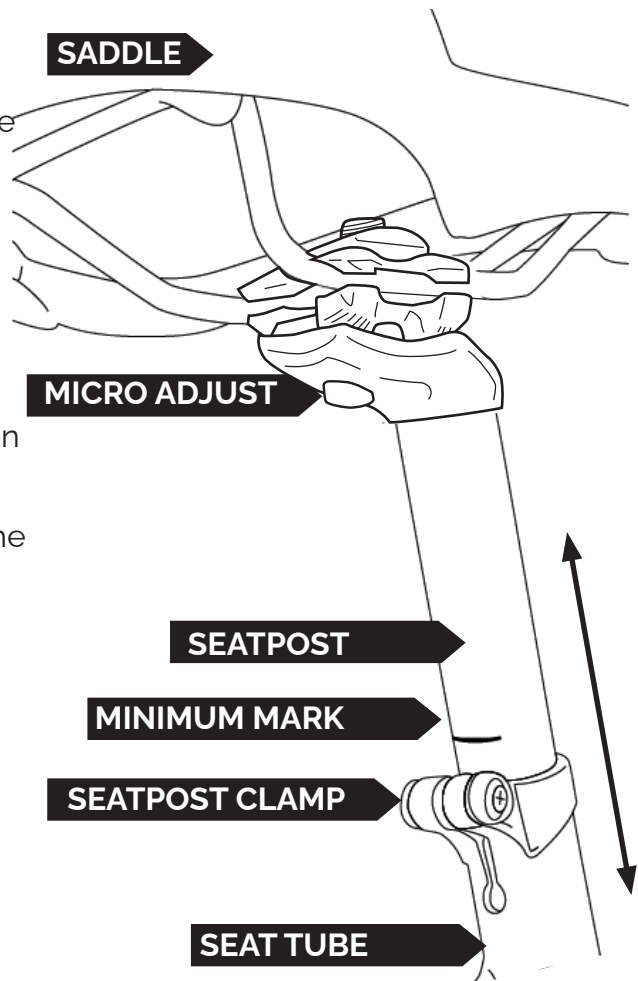
- Ask a trained certified bicycle mechanic to help you make sure you know how to install and remove your wheels safely.
- Understand and apply the correct technique for securing your wheel in place.
- Before you ride the bike, check that the wheel is securely clamped.
- The clamping action of a correctly secured wheel must emboss the surfaces of the dropouts.

**Note! If in doubt ask a certified bicycle mechanic to help**

## SADDLE AND SEATPOST ASSEMBLY

The Saddle comes assembled onto the seat post which needs assembling onto the bike. Getting the correct saddle height for you will allow a comfortable riding position and easy mounting and dismounting of the bike.

1. Remove the cardboard packaging from the seatpost/saddle and note the location of the minimum insertion mark.
2. Apply a small coating of grease to the seatpost before inserting it into the top of the seattube
3. Slide the seatpost into the top of the seattube with the saddle facing forward – the narrow point of the saddle should point towards the handlebars.
4. Adjust the height of the saddle making sure the minimum insertion mark on the back of the seatpost is not visible.
5. Tighten the seatpost clamp to 5-8 Nm.



When the saddle height is adjusted, you must be able to reach the ground with your feet to ensure that you have full control over the e-bike when standing still. Remember to re-tighten the seatpost clamp bolt that fixes the seatpost position when you are done adjusting the saddle height.



## **WARNINGS!**

- If your seat post is not inserted in the seat tube as described above, the seat post may break, which could cause you to lose control and fall leading to serious injury and/or death.
- After any saddle adjustment, be sure that the saddle adjusting parts are properly seated and tightened before riding. A loose micro-adjust saddle clamp or seat post clamp can cause damage to the seat post, or can cause you to lose control and fall leading to serious injury and/or death. A correctly tightened saddle and seatpost will allow no saddle movement in any direction.
- Periodically check to make sure that the saddle and seatpost are properly tightened.

## PEDAL INSTALLATION

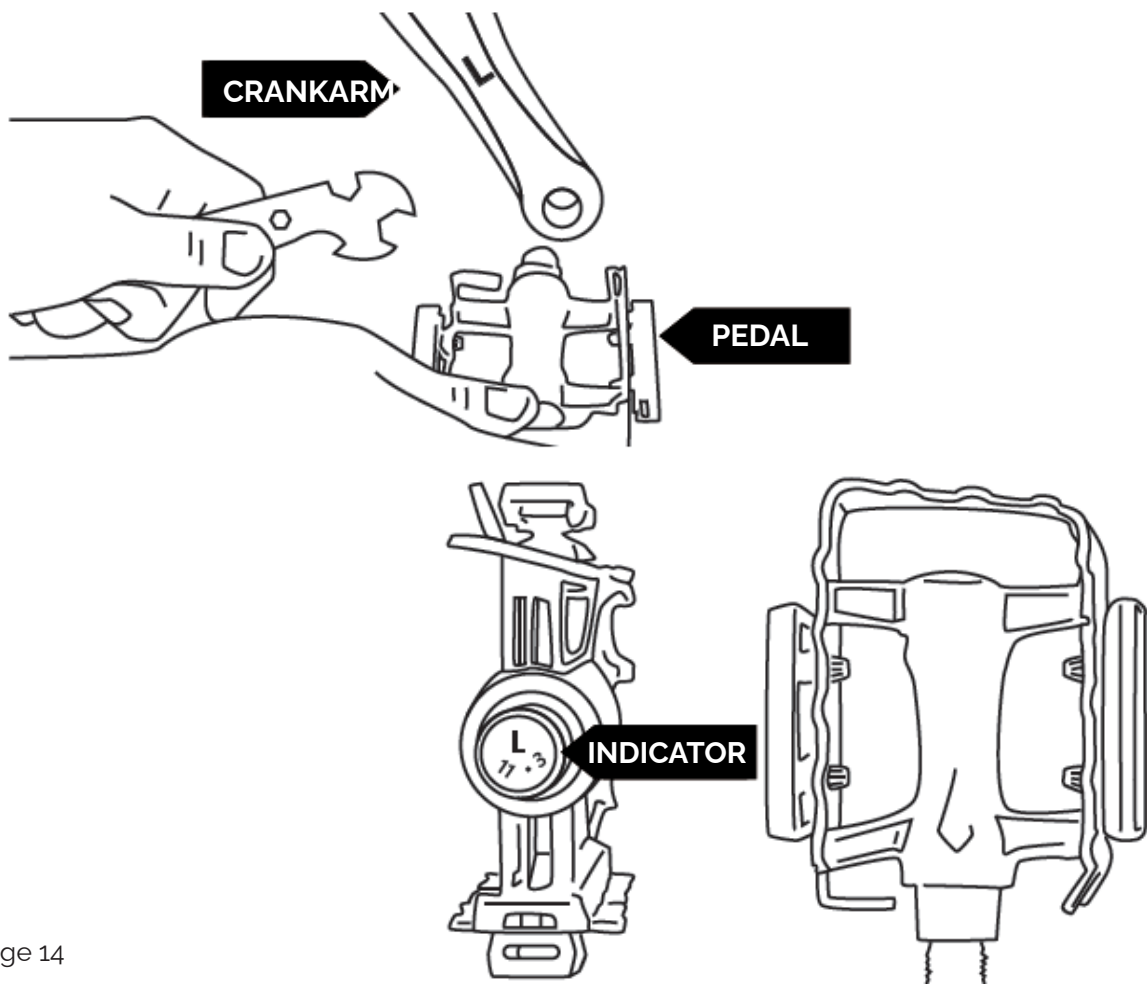
Important! The pedals are marked with L or R indicating which crank to mount them into. The pedal marked with an R fits only to the Right crank arm and the pedal marked with an L fits only to the Left Crank arm.



### CAUTION

**The left and right pedal have opposite threads. If the pedals are mounted on the wrong side, the thread in the crank arms will be permanently damaged (Not covered by warranty).**

1. Identify the Left side pedal.
2. Lightly grease the thread and insert in the Left side crank.
3. Rotate the pedal axle clockwise to screw the axle into the crank.
4. Tighten with 15mm pedal spanner to 30-35 Nm.
5. Identify the Right side pedal.
6. Lightly grease the thread and insert in the Right side crank.
7. Rotate the pedal axle anti-clockwise to screw the axle into the crank.
8. Tighten with 15mm pedal spanner to 30-35 Nm.



## **ASSEMBLY COMPLETE**

Congratulations! The main assembly of the e-bike is now complete but before you fit the battery and go for your first test ride you should familiarize yourself with the safe operation of your e-bike. Not understanding the complete function of your new e-bike could result in loss of control which could lead to a fall causing serious injury and/or death.

- Make sure you can mount and dismount the e-bike safely.
- Make sure you can reach and safely operate the handlebars.
- Make sure you understand the function of the front and rear brakes and how to operate each brake lever.
- Understand the process of changing gears.
- Always wear a helmet when riding your e-bike.
- Always familiarise yourself with the function your e-bike away from the highway.
- Review the maintenance section as it includes information on the operation of your e-bike.
- Before riding your e-bicycle, please have a certified bicycle mechanic inspect your e-bike.

## **GETTING STARTED ON THE ELECTRICAL SYSTEM**

The e-bike features a simple-to-use Promovec e-bike system that feels like a regular bike but offers seamless electrical assistance. Please familiarize yourself with the operation of the system before your first ride.

## **CHARGE THE BATTERY**

Before riding your e-bike, you need to charge the battery. We recommend charging the battery for a full 24 hours before using it for the first time.

Carefully unpack the battery and familiarize yourself with both the battery and the charger overview in this user manual. Additional information can be found in the charger manual.

The battery can be charged either on or off the bike. Refer to the Installing and removing the battery guide on how to attach it to the bike.

Once the battery is charged and locked into the e-bike you are ready to go!

## **RELEASE THE POWER**

Start by pressing and holding the On/Off button for 3 seconds and the display will wake up. To switch the system off press and hold the on/off button for 3 seconds.

## **OK, LETS GO!**

When you start pedalling, the motor will start assisting according to the assist-level chosen from 1 to 5. It is recommended for your first ride you start in assist-level 1.

The Promovec centre motor works as follows:

- A built-in speed sensor measures pedal movement and the control unit starts the motor
- The engine power is regulated according to the assist level.

The control unit automatically switches off the center motor when:

- No pedal movement is registered.
- The speed exceeds 15.5 mp/h.



## DISPLAY LED

The display is managed with 4 buttons from the left side of the handlebar.



5 LEDs indicates the battery level.



5 LEDs indicate the assist level.

**Note! The display of the battery indicator varies when driving up a hill, accelerating or driving down a hill. Light in all 5 LEDs indicates the battery is fully charged.**

The error indicator is integrated in the display displayed with a flashing LED.

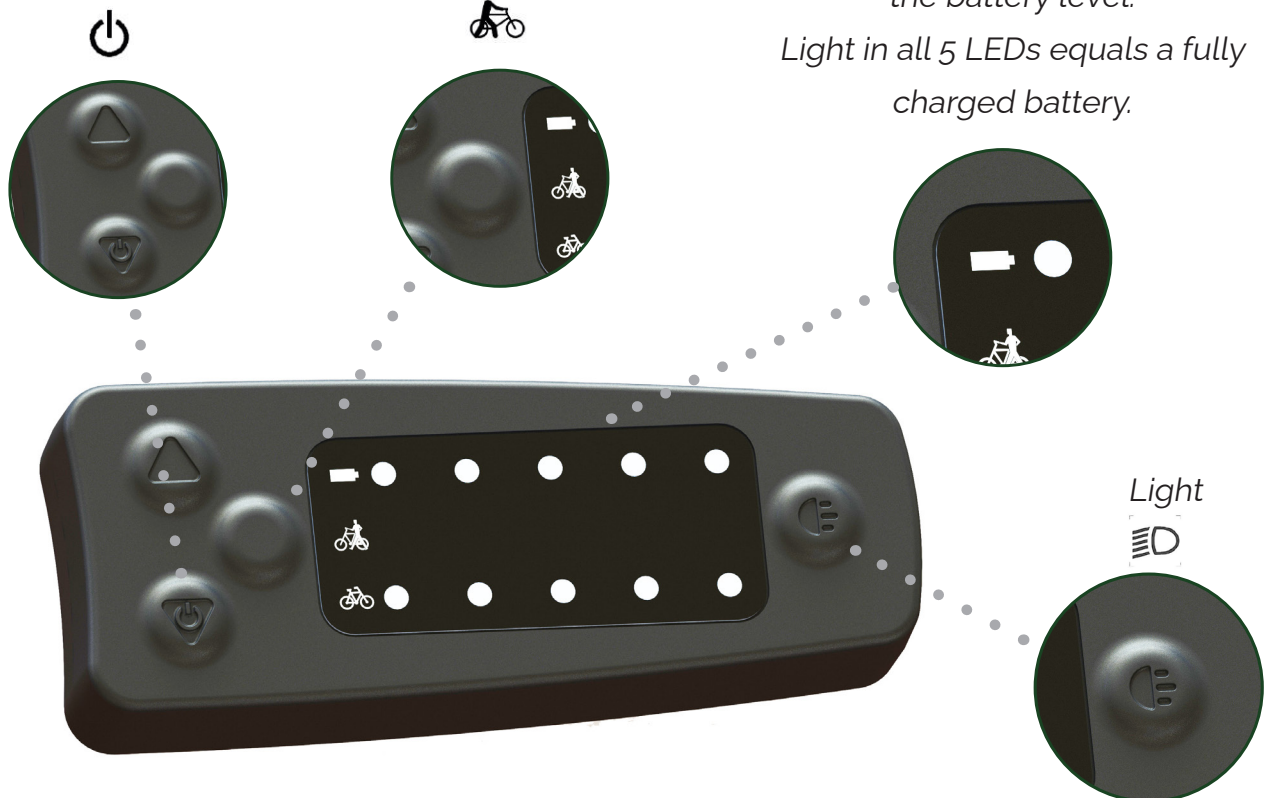
**Note! If the first LED in the battery indicator starts flashing, this indicates the system has detected an error (See troubleshooting next page).**

*Up/Down buttons*

*The down button also functions as On/Off*

*4mph "Walk Assist"*

*The battery indicator indicates the battery level.  
Light in all 5 LEDs equals a fully charged battery.*



## ASSIST FUNCTIONS

The display has 2 different assist functions:

- Assist levels (1-5), with the Up/Down buttons.
- "Walk Assist" press and hold to activate.
- Light is toggled on and off by holding down the "Light" button.
- Walk assist is selected by holding down the "Down" button.

Walk-assist allows you to drive up to 4 mph without the use of the pedals and regardless of the assist level setting. This function is, for example, used on hills and other rough paths. It is especially helpful when pushing the bike up steep slopes.

## TROUBLESHOOTING

If the first LED in the battery indicator starts to flash, this indicates that the system has detected an error. The numbers of flashes determine the error code.

Number of flashes	Indicates	Solution
3	Controller error	Contact your retailer.
4	Display error	Contact your retailer.
7	Speed sensor error	Contact your retailer
8	Low voltage error	Recharge the battery.
9	High voltage error	Contact your retailer.

If there is no power to the LED display check the battery is correctly charged and correctly installed to the bike. If there is still no power then please contact your retailer or reach out to us at 800-474-6615 or [www.designbydelta.com](http://www.designbydelta.com) for Delta Customer Service.

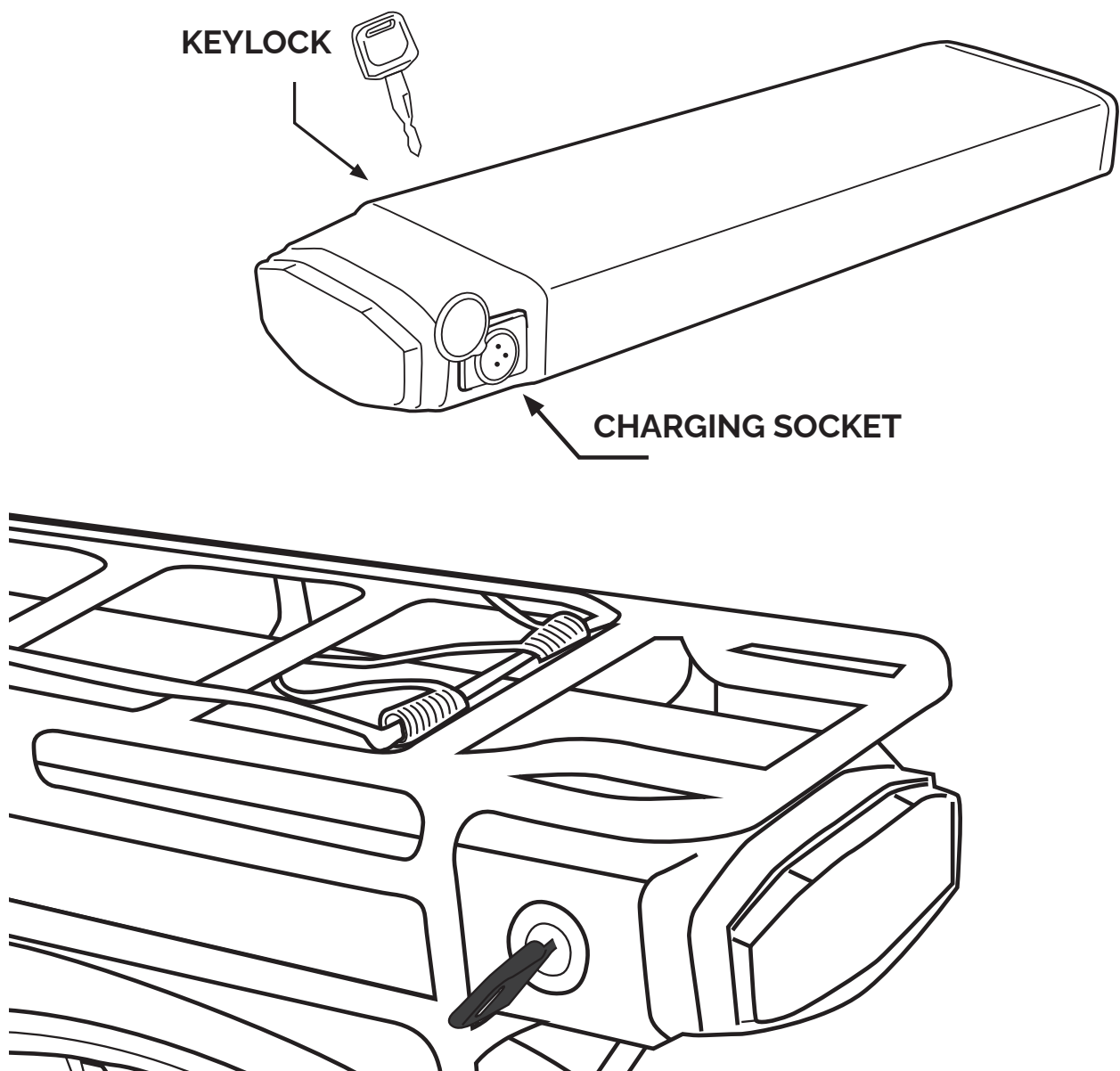
## INSTALLING AND REMOVING THE BATTERY

1. Slide the battery into the rails of the tray. Make sure the battery slides straight into the rails of the tray.
2. Lock the battery to the carrier by turning the key clockwise or to the right.
3. The key can be removed from the battery. Keep the key safe!
4. Unlock and remove the battery by turning the key counterclockwise, then remove it from the e-bike.



### CAUTION!

If the battery is not locked in place it can fall from the carrier resulting in permanent damage. This is not covered by warranty!



## BATTERY CHARGER/CHARGING OVERVIEW

Charging must be done indoors or under cover outdoors to avoid direct rain as the charger is only splash proof. Never charge a battery if the temperature is below 32°F (0°C) or over 113°F (45°C).

**Note!** It is important that the order of the points for charging the battery is followed, regardless of whether the battery is mounted/removed from the bike.

### Connecting the charger

1. Plug the round charger plug into the battery charging socket located on the battery.
2. Plug the charger plug into a power supply and turn the power on.

### Power/Charge diode

- If the battery charger is connected to a power supply, the diode lights up red (With no battery connected)
- When the battery is connected to the charger and the diode lights up red, the battery will be in the charging process.
- When the Power/Charge LED shows green, the battery has been recharged.
- Turn the power off before disconnecting the charger from the battery.
- Make sure not to ride or move the bike with the charger plugged in if the battery is mounted on the bike.

## GENERAL

To keep the battery in good healthy condition, we recommend that you regularly charge the battery for a minimum of 24 hours after the green light appears. The reason being that this will balance out each cell, providing a healthy battery. After charging, cover the charge port with the dust cover attached to the battery.

When a battery has been fully recharged, the battery charger will enter a stand-by state and use very little power. It is recommended to unplug the charging socket and switch off the power when not in use.

## WINTER STORAGE

If the e-bike is set aside for storage (more than one month), we recommend recharging the battery once a month for 24 hours to keep the battery in good condition.

The batteries should always be fully charged before storage since they cannot afford to stand discharged completely or partially for a long time. We recommend storing the battery indoors when the temperature outside drops below 32°C (0°C).

## BATTERY CAPACITY AND USE

The e-bike uses maintenance-free Li-ION batteries. The battery delivered in this kit is approximately 40-60% charged at the factory. Before using the battery, it must be fully charged with the supplied charger (Green LED light).

We recommend that the battery stays connected to the charger for 24 hours after the green light appears, as it provides a better balance between each cell in the battery. The optimal charging environment would be at 20°C or 68°F.

Frequent charging of the Li-ION battery can extend the battery life. Be aware that the capacity of the batteries decreases over time. Several factors, such as low temperatures, tire pressure, weather/road conditions, user weight and own physical effort has an influence on the range of the battery. As a user, you therefore have a significant influence on the range.

## BATTERY REGISTRATION

Register your battery at [www.Promovec.com](http://www.Promovec.com) and to receive a 2-year capacity guarantee. In addition, Promovec A/S offers a 2-year capacity guarantee on all batteries for electric bikes equipped with Promovec's electrical system.

The guarantee covers a minimum battery capacity of 70% in 2 years from date of purchase. To qualify for this 2-year capacity guarantee the battery must be registered at [www.Promovec.com](http://www.Promovec.com). Registration must take place within 14 days from the date of purchase.

## DISPOSING OF BATTERY

Contact Promovec America Inc. for proper disposal and recycling of your battery. [www.promovec.com/en-us](http://www.promovec.com/en-us). Batteries contain toxic materials that can be harmful to human health and the environment if not handled correctly.

Batteries are marked with the WEEE or Waste Electrical and Electronic Equipment Directive symbol. This indicates that wasted batteries must not be disposed of with normal household waste and must be taken to a hazardous waste collection point. It is important that you submit your used batteries to the collection systems established within the state or territory you reside. In this way, you help to ensure that the batteries are recycled in accordance with the law and will not harm the environment.



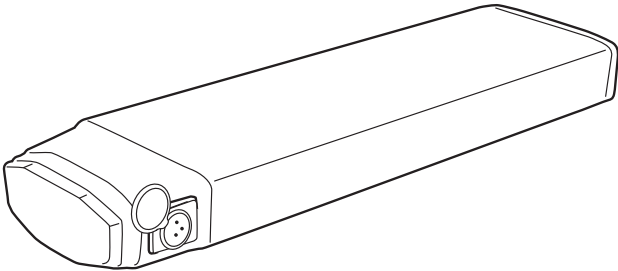
# BATTERY SPECIFICATIONS

This e-bike uses a unique battery, contact Delta customer service or Promovec America Inc. when purchasing a new battery/charger. You should only purchase original Promovec equipment for this bike. For more information, see the table below.



## WARNINGS!

**Do not dismantle or damage the battery.**  
**Risk of Fire and Electric Shock - No User Serviceable Parts. The battery is not serviceable by the user. Any maintenance must be done by must be done by a trained Promovec technician.**

Standard battery
11.0AH, 36V Li-ION 396Wh Removeable Weight: 6.6 lbs (3 kg)  Range: Up to 55 miles (88 km)
 Standard battery
Charger Charging time 4-5 hours



## BIKE MAINTENANCE

### DISC BRAKES

The mDrive is equipped with powerful hydraulic disc brakes. The brake lever mounted on the left side of the handlebar controls the front brake and the brake lever installed on the right side controls the rear brake.

The brakes are pre-assembled at the factory. Disc brakes will reach full power after a few rides as the disc surface "breaks-in". This is completely normal but if you find a lack of power it is recommended you have a certified bicycle mechanic check the function.



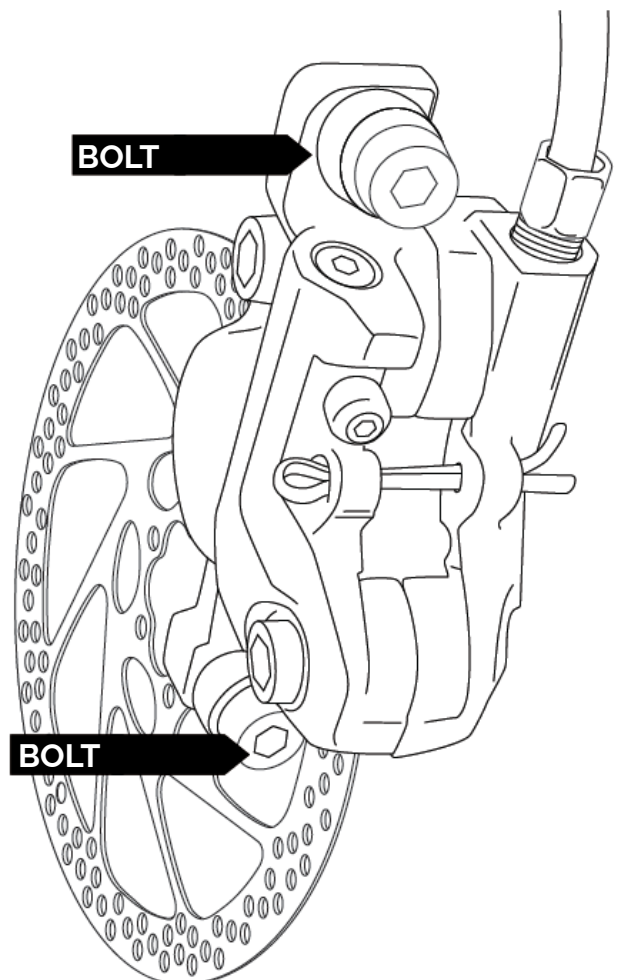
#### **WARNINGS:**

- Riding with poorly adjusted brakes or worn brake pads can result in serious injury and/or death.
- Applying brakes too hard or too suddenly can lock up a wheel, which could cause you to lose control and fall. Sudden or excessive application of the front brake may pitch the rider over the handlebars, which may result in serious injury and/or death.

### BRAKE MAINTENANCE

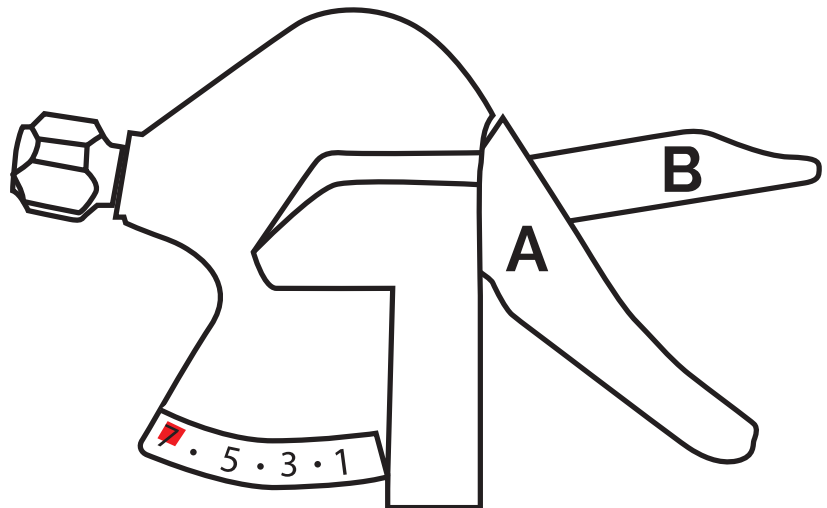
We recommend that any brake maintenance is carried out by a certified bicycle mechanic.

First check that the disc sits well on the hub, this is done by tightening the rotor bolts that fix the disc to the hub. The brake caliper can be adjusted with the two bolts arrowed below. Loosen the two bolts so the caliper can move a little then pull and hold the brake lever while you retighten the two bolts. If you need to replace the brake pads or troubleshoot the brake system you must take your bike to a certified bicycle mechanic.



## GEAR SHIFTER

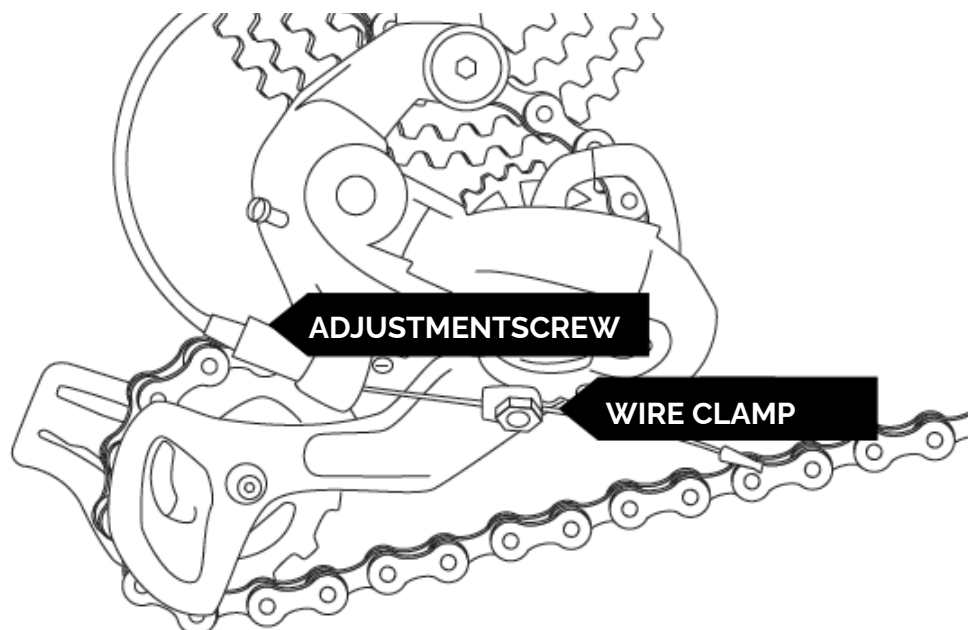
The mDrive has 7 gears. The gear shifter is mounted on the right side of the handlebar. The red marker indicates the current position. For smooth gear operation it is recommend that you pedal lightly when operating the gear shifter and changing gears. Press lever A or B to adjust up and down. When the indicator is at number 7, pedalling is easier than number 1. It is recommended to start off in one of the easier gears and then shift to a harder gear when the bike is in motion.



## REAR DERAILLEUR

We recommend that any rear derailleur adjustment is carried out by a trained bicycle technician. Turn the adjustment screw on the rear derailleur counterclockwise if the chain has problems shifting to a lower gear. Adjust in quarter turns until the chain shifts up onto a larger tooth chainring on the cassette.

The adjustment screw should be turned clockwise if the chain is having problems with shifting to a higher gear. If one of the 2 options do not work, you should contact a certified bicycle mechanic.



## TIRES, TUBES AND WHEELS

It is important that the tires are inflated correctly. The recommended tire pressure is marked on the side of tire's sidewall. Tire pressure is given either as maximum pressure or as a pressure range. How a tire performs under different terrain or weather conditions depends largely on tire pressure.



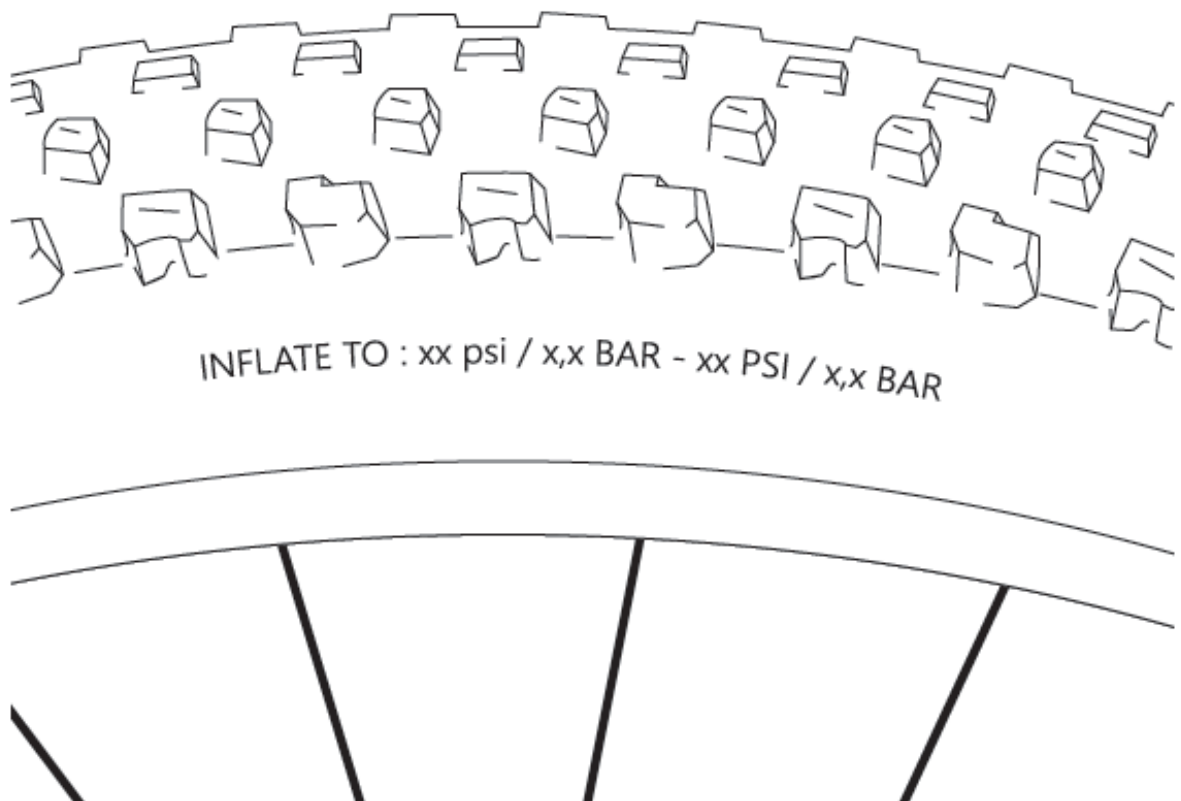
### WARNING

**Never inflate a tire beyond the maximum pressure marked on the tire's sidewall.**

**Exceeding the recommended maximum pressure may blow the tire off the rim, which could cause damage and/or injury. The best and safest way to inflate a bicycle tire to the correct pressure is with a pump and tire pressure gauge.**

Regularly check:

- The tire pressure.
- The rim is clean.
- The tension on the spokes.



## THE CHAIN

The bike chain must be lubricated with regular intervals with a lubricant dedicated for bike chains. This is done to increase the lifetime of the chain and to make it run smooth. A chain that is not lubricated will start to rust and will add extra wear to the drivetrain. Furthermore, the chain will become more fragile and over time there is a risk it will break.

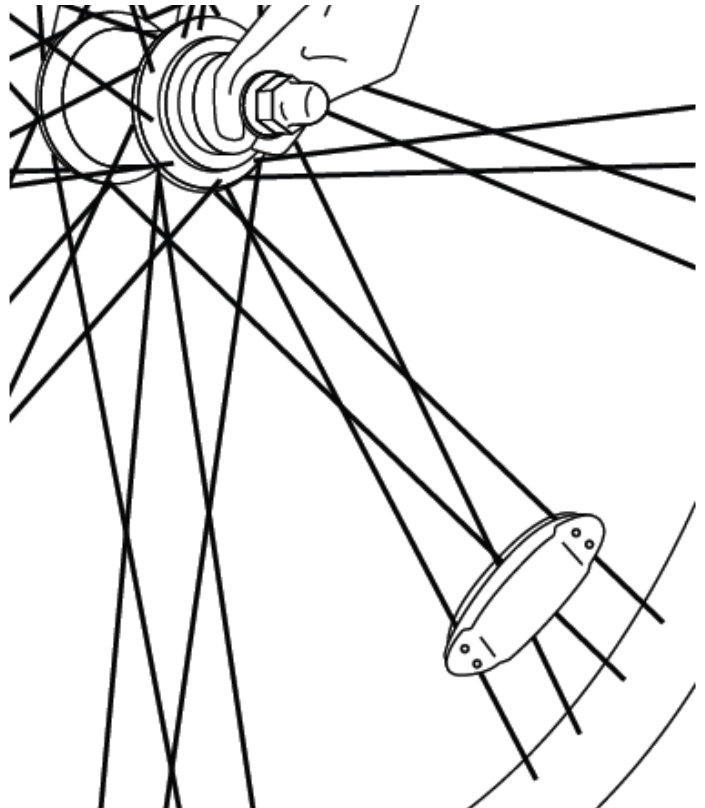
## REFLECTORS

Reflectors are mounted on the spokes in each wheel. Make sure that reflectors are visible from the side and regularly cleaned to make sure they reflect light. Replace any damaged reflectors. It is your responsibility that the bike lives up to local law and legislation.



### CAUTION

**Check reflectors and their mounting brackets regularly to make sure that they are clean, straight, unbroken and securely mounted. Have your dealer replace damaged reflectors and straighten or tighten any that are bent or loose.**



## GENERAL MAINTENANCE

Although some service and maintenance can and should be performed by the owner, and require no special tools or knowledge beyond what is presented in this manual, we recommend an annual inspection once a year by certified bicycle mechanic to maintain and preserve the electric bike's condition. The annual inspection must include a check of the electrical connections.

After every long or hard ride or after every 10 to 20 hours of riding:

- Squeeze the front brake and rock the bike forward and back. Everything feel solid? If you feel a clunk with each forward or backward movement of the bike, you probably have a loose headset. Have a certified bicycle mechanic check it.
- Lift the front wheel off the ground and swing it from side to side. Feel smooth? If you feel any binding or roughness in the steering, you may have a tight headset. Have a certified bicycle mechanic check it.
- Take a hold of one pedal and rock it toward and away from the centerline of the bike; then do the same with the other pedal. Anything feel loose? If so, take it to a certified bicycle mechanic for inspection.
- Inspect your brake pads, if they are starting to look worn or not in contact with the wheel rim on your disc brakes are squealing and not stopping you efficiently, consult a certified bicycle mechanic for adjustments and/or replacements.
- Carefully check the control cables and cable housings for rust, kinks or fraying. Consult a certified bicycle mechanic for replacements.
- Squeeze each adjoining pair of spokes on either side of each wheel between your thumb and index finger. Do they all feel about the same? If any feel loose, Have a certified bicycle mechanic check the wheel for tension and trueness.
- Check the tires for excess wear, cuts or bruises. Have a certified bicycle mechanic replace them if necessary.
- Check the wheel rims for excess wear, dings, dents and scratches. Consult a certified bicycle mechanic if you see any rim damage.
- Check to make sure that all parts and accessories are still secure, and tighten any which are not.
- Check the frame, particularly in the area around all tube joints; the handlebars; the stem; and the seatpost for any deep scratches, cracks or discoloration. These are signs of stress-caused fatigue and indicate that a part is at the end of its useful life and needs to be replaced. Consult a certified bicycle mechanic for replacements.

## **TRANSPORTATION OF E-BIKES**

Your E-bike must be transported with an approved e-bike rack. Electric bikes are heavier compared to traditional bikes, and require a bicycle carrier with a larger load capacity.

**Always remove the battery before transporting your electric bike.**

## **ROAD TRAFFIC LAW**

While riding your e-bike, you must adhere to all traffic laws in your state.

**Always wear a helmet!**

We also recommend you use a front headlight and rear taillight when riding; day or night. It is your responsibility to understand and follow any state regulated laws which pertain to the use and ownership of e-bikes and where you can or cannot ride them. This also includes personal insurance that some states may require.

## **INSURANCE**

An electric bike for insurance purposes as is usually covered by a standard household insurance.

However, we recommend that you talk to your insurance agent about the technical aspects of your e-bike due to the high value of the item.

## **FRAME NUMBER**

Your e-bike is provided with a serial number. It is located on the leftside of the seatube. It's recommended you make a note of this number within the pages of this user manual.



## NIGHT TIME OPERATION

Riding a bicycle at night is much more dangerous than riding during the day. A cyclist is very difficult for motorists and pedestrians to see. Children should exercise extreme caution at dawn, at dusk or at night. Adults who chose to accept the greatly increased risk of riding at dawn, dusk or at night need to take extra care both riding and choosing specialized equipment which helps reduce that risk. Consult your dealer about night riding and safety equipment.



### **WARNING**

Reflectors are not a substitute for required lights. Riding at dawn, dusk, night or at other times of poor visibility without an adequate bicycle lighting system and without reflectors is dangerous and may result in serious injury and/or death.

## **PROMOVEC LIMITED WARRANTY**

Promovec warrants new Promovec branded components, parts, and accessories against defects in workmanship and materials, as specified below:

**NOTE: All warranty periods outlined below apply to original owner only**

### **TWO-YEAR WARRANTY**

Display, controller, torque sensor, hub motor and motor parts, control cables and lights (excluding light bulbs). \*See Battery Registration for more information.

This warranty covers only Promovec branded products. Any products not specifically included above are hereby omitted.

### **THIS WARRANTY DOES NOT COVER**

- Normal wear and tear.
- Improper installation or assembly.
- Improper follow-up maintenance.
- Damage or failure due to accident, misuse, abuse, or neglect
- Labor charges for part replacement or changeover

### **LEGAL DISCLAIMER**

This warranty is expressly limited to the repair or replacement of a defective product, at the option of Promovec and is the sole remedy of the warranty. This limited warranty applies only to THE ORIGINAL PURCHASER of the Promovec product and is not transferable.

This warranty applies only to Promovec products purchased through an authorized dealer or distributor. In no event shall Promovec be liable for any loss, inconvenience or damage, whether direct, incidental, consequential, or otherwise resulting from breach of any express or implied warranty or condition of merchantability, fitness for a particular purpose, or otherwise with respect to our products except as set forth herein.

**...WARRANTY CONTINUES NEXT PAGE**

### **...WARRANTY CONTINUED**

This warranty gives the consumer specific legal rights, and those rights and other rights may vary from place to place. This warranty does not affect your statutory rights. The English version of the warranty shall prevail.

**Note: The 2-year guarantee does not apply to Promovec systems and batteries used in commercial applications, including bicycle rentals.**

**TO THE EXTENT NOT PROHIBITED BY LAW, THESE WARRANTIES ARE EXCLUSIVE AND THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS INCLUDING WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

## TECHNICAL DATA

<b>Gear:</b>	Shimano, 7-speed
<b>Motor:</b>	250W centre motor with integrated speed sensor
<b>Controller:</b>	250W, 36V, Max. speed 15.5 mph
<b>Mode:</b>	PAS (Pedal Assist System). (EU standard EN EPAC 15194:2017).
<b>Battery type:</b>	Carrier 4
<b>Weight:</b>	Check the label on the bike frame.
<b>User weight:</b>	Max. 220 lbs (100 kg)

## GENERAL CERTIFICATE OF CONFORMITY

The e-bike bicycle is approved and thoroughly tested by TÜV representatives. This Declaration of Conformity is issued at the responsibility of the manufacturer. If the product is modified in any kind or way which is not coordinated with Promovec A/S, this declaration of conformity is no longer valid.

The product is tested and approved according to:

- CPSC 16 CFR 1512.
- CPSC 16 CFR 1303.
- US RoHS.
- FCC 47 part 15 subpart B.

## **REGISTER THE BIKE, BATTERY AND LOCK**

The numbers on the frame, key/lock and battery are unique and are usable in cases of warranty or theft of the e-bike. Below you can write the numbers for future reference.

**FRAME NUMBER:**

**BATTERY SERIAL NUMBER:**

**KEY/LOCK:**





# YOUR SERVICES

To maintain and preserve the e-bike's condition, we recommend an inspection on a regular basis. The inspection should include a full tune up and complete inspection of your electric system including battery inspection.

<i>Date &amp; company stamp</i>	<i>Date &amp; company stamp</i>
<i>Date &amp; company stamp</i>	<i>Date &amp; company stamp</i>
<i>Date &amp; company stamp</i>	<i>Date &amp; company stamp</i>
<i>Date &amp; company stamp</i>	<i>Date &amp; company stamp</i>