

DYSONBIKES

WE'RE ELECTRIC

User Guide – Folding Mountain e-Bike



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Acknowledgments

This manual has been developed by Dyson Bikes and their supplier. The information contained in this manual is intended to comply with relevant the Australian Standards at the time of printing.

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Foreword

Thank you for purchasing a Dyson e-bike, we are certain you will enjoy it for many years to come.

Please take the time to read this instruction manual thoroughly before assembly (if required), and taking your first ride.

There are warnings throughout this manual and these will be highlighted with symbols or words as detailed on the next page. Please ensure you follow these warning instructions, don't risk your safety or that of others.

Failure to comply with these conditions may also affect your warranty and the long-term reliability of your e-bike.

Your new e-bike is considered a vehicle and when ridden on public roads you must comply with all local requirements. Laws vary in Australia from State to State - please refer to the relevant authority in your State or Territory for more information.

YOU SHOULD READ THIS MANUAL

Your e-bike is an **electrically power assisted cycle (EPAC)**, which uses the same traffic areas as cars, trucks and motorcycles. You need to know about certain legal and common sense requirements for the safe and trouble free use of your e-bike.

Symbols used

Important information for your safety is specially marked. Always follow these instructions to avoid personal injury or e-bike damage.

WARNING

Warns of dangers to your health and implies potential risk of injury.

ATTENTION

Indicates a potential hazard to the equipment or other objects.

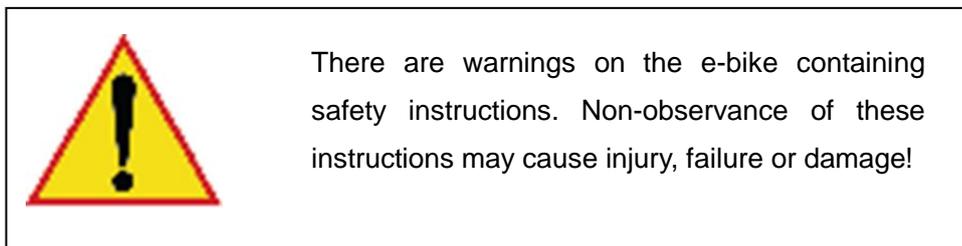
Failure to observe could result in voiding of warranty.

NOTE

Suggestions and information.

Users' Information and Responsibility

To reduce the risk of serious personal injury, you should read the instructions in this manual carefully.



This is an electrically power assisted cycle (EPAC or commonly referred to as an e-bike), with a 1:1 pedal assistance system, designed for urban commuting and short distance travel.

The e-bike is intended only for riding on paved roads and trails. Do not use it for off-road purposes.

Do not use it in water, for jumping, stunting or in competitive sports events.

During riding, you should note that the e-bike covers 5 meters per second at a medium speed of about 18 kilometers per hour in fine dry weather conditions. Keep sufficient distance from other road users to ensure you can stop safely in case of an emergency and always consider the current weather and road conditions.

Pay attention to the traffic during your ride and keep both hands on the handlebars at all times.

Do not use headphones in road traffic as it blocks other sounds and increases the risk of accidents. Check the e-bike thoroughly against this manual to ensure correct function of components before your first ride and rectify any issues before riding. The owner is then responsible for normal maintenance of the e-bike.

Learn how to operate all standard and accessory equipment on the e-bike.

Ensure that anyone who uses the e-bike has been fully instructed in the operation of its mechanical and electrical functions.

Check our website www.dysonbikes.com.au for additional information or call 0497 357 117 if you cannot find the answer to your question.

Section-1 Component Description and Specification

An e-bike consists of various mechanical parts such as the frame, wheels, brake, handlebar, saddle etc.

Please take the time to familiarise yourself with this terminology; it will make basic operation and maintenance instructions easier to follow.



The e-bike serial number is engraved in the front of the head tube.

NOTE This diagram is for reference only, from time to time changes may be made in the interests of product improvement.

General	
Wheel size	26 inches
Tyre Pressure range	280 – 460 kPa
Valve type	Schraeder
Net Weight (battery included)	23 kg
Range on one full charge	Approx. 50 km 10.6 AH battery*
Max. load of carrier (if fitted)	25 kg
Technical specification of the battery	
Battery type	Samsung – Li-ion
Capacity	8.0 AH or 10.6 AH Depending on model
Nominal voltage	36V
Charging voltage	42V
Max charging current	1830 mA
Operating temperature of discharging	-20 ~ 40°C
Operating temperature of charging mode	0 ~ 45 °C
Technical specifications of the motor	
Motor type	Brushless geared hub motor
Power	200W electronically limited
Voltage	36 V
Max. rotational speed	245 RPM
Control system	Cadence sensor in bottom bracket
Technical specifications of the controller and the charger	
Undervoltage protection	29±0.5 V
Overload protection	12±1.0A
Charging mode	3-step “Intelligent”
Charging current	Approx. 1.8 A
Charge state indicator	By LED red / green
Weight	550 g
Charging time	Approx. 5 hours (2.5 hours, up to 80%)^

*The range on a full charge is affected by many external factors, such as the weight of the rider, the terrain and winds.

^ Depending on the depth of battery discharge and capacity this time may be longer or shorter.

Section 2 - Assembly Guidance

If you have purchased your new e-bike online and had it delivered, you will need to carry out some minor assembly before your e-bike can be ridden. If you have purchased an assembled e-bike please continue reading from Section 3.

Please locate the Assembly instructions, (these are packed separately) and follow carefully to ensure your new e-bike is correctly assembled for safe operation.

If you are unsure of anything and require further assistance please call Dyson Bikes on 0497 357 117 and we will be happy to talk you through the procedure.

Alternately you may wish to have your e-bike assembled by a trained bike mechanic.

Section 3 - Mechanical Operation and Adjustment

3.1 Fitting your e-bike for a safe ride

To ride safely and comfortably your e-bike and its equipment must be matched properly to the size and skills of the rider. An e-bike that is too big or too small for the rider is hard to control and can be uncomfortable. If your e-bike does not fit properly, you may lose control and fall.

3.2 Controls, position and adjustment

The brake and shifting levers on your e-bike are positioned in a way that they work best for most riders. The angle of the shifting lever can be adjusted by loosening the hex bolts securing them to the handlebars. Once adjusted, retighten securing hex bolts, ensuring the controls will not interfere with the correct operation of other components or cables.

3.3 Brakes



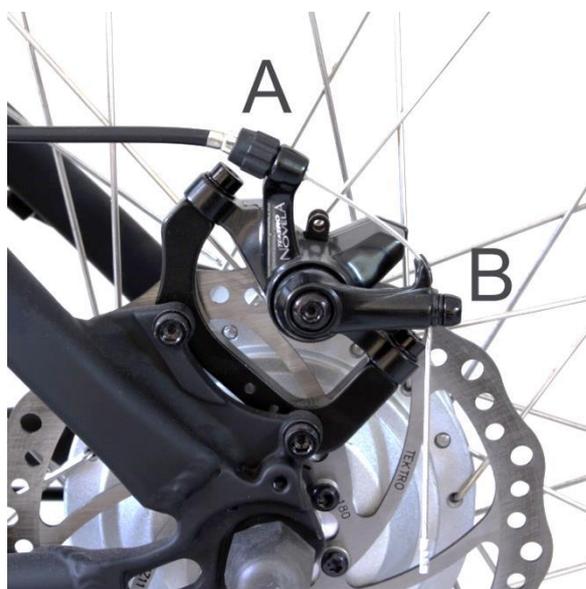
Front wheel brake lever must be mounted on the **RIGHT** hand side; **rear** brake lever on the **LEFT** hand side.

Pulling either brake level will immediately cut out the electric motor, this is a safety feature of your e-bike. Make sure that your hands can reach and squeeze the brake levers comfortably.

Due to normal brake pad wear or cable stretch you may need to adjust the brakes from time to time. To adjust you can make minor adjustments with the thumb wheels (marked A) on the brake caliper as shown.

If required, the cable may need to be adjusted by loosening the attachment (marked B) and pulling the cable through. It is recommended that a trained e-bike technician perform this operation.

The brake pads should be adjusted in such a way that they are parallel to the disc rotor and have a lateral clearance of approximately 1 mm with the rotor. Two hex bolts securing the brake caliper to either the front fork or frame make this adjustment. It is recommended that a trained e-bike technician perform this adjustment.



The brakes of the front and rear wheel can be applied independently, or simultaneously.

Keep the disc rotors and brake pads clean and free of lubricants, waxes or polishes.

WARNING

The e-bike is equipped with a front disc brake and it can achieve a very high braking force. In sharp turns, on sandy or slippery roads, wet asphalt and icy paths; apply the front brake carefully, so that the front wheel will not slip.

Please brake with care and caution. Locked wheels have a lower braking effect and can lead to slipping and falling. In principle, do not brake while turning, instead do it beforehand. Braking in a turn/curve increases the risk of slipping.

NOTE We do advise that you practice 'worst case' heavy braking in a clear location, where you won't injure yourself or others.

3.4 Saddle position

To ride comfortably and pedal efficiently, it's very important to have the saddle at the correct height. Your leg length determines the correct saddle position. The saddle is at the correct height for you when, while seated on the saddle, your knee is slightly bent when the crank is at the maximum down stroke (pedal is closest to the ground).

To adjust the saddle height, loosen the seat post clamp (marked A) by unlocking the quick release, and moving the seat post up or down as required while ensuring it is within the minimum and maximum range as marked on the seat post. Make sure the saddle is parallel to the top frame tube. Lock the quick release tight enough so that you cannot twist the saddle out of alignment. Do not overtighten. By adjusting the nut on the quick-release lever, the clamping force can be regulated.



The saddle can be tilted and also adjusted in the longitudinal direction for best fit. This may be adjusted by loosening the hex screw located under the saddle. Adjust to the desired position then tighten.

 **WARNING** An incorrectly tightened quick release lever may come loose and rotate downward during the ride. This may lead to serious falls.

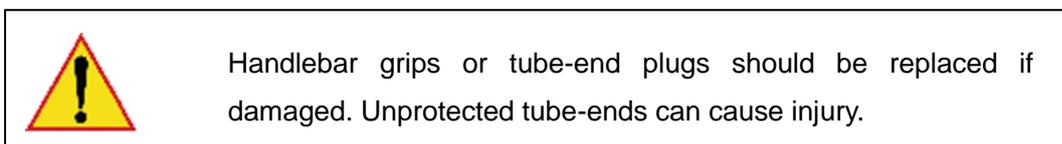
The quick release lever will require sufficient pressure to close that the heel of the hand is needed to move it. In this way, the friction is strong enough. The quick release shall be tight enough so that it requires you to provide a degree of force to unlock it.

Under no circumstances should the seat post project from the frame beyond its 'Minimum Insertion' or 'Maximum Extension' mark.

3.5 Handlebar position

The handlebar height is correct when the stem is on the same plane as the top surface of the saddle or slightly higher. The height can be adjusted by moving the rings above or below the head stem.

To adjust remove the top hex bolt and black cap, then loosen the two locking hex bolts. Taking care not to excessively bend control cables remove head stem and position rings to desired height and refit top hex bolt and cap, tighten. Tighten locking hex bolts to 7~10NM while ensuring correct alignment of handlebars is maintained.



3.6 Changing Gears

Located on the right hand handlebar is the control for the rear derailleur gear system. The current gear is indicated in the display with '1' being the lowest and '8' the highest. Use the lower gears for climbing inclines or riding slowly. Note in the lower gears the crank will turn more in relation to the road speed, this will cause the e-bike controller to provide greater assistance.

Located on the left hand handlebar is the control for the front derailleur, in most circumstances position '3' will be suitable for most conditions. Position '1' and '2' are used when climbing or riding slowly.

With experience you will learn the best gear to use in conjunction with the PAS level to maintain the desired road speed.

To change down a gear, press the rear lever forward one 'click' and to change to a higher gear, press the front lever backward. Continue to pedal forward during this operation.

 **WARNING** Do not pedal backwards whilst changing gears, the chain may fall off!

3.7 Tyres

Ensure tyres are correctly inflated. Under inflated tyres can lead to punctures or damage to rims.

We recommend a tyre pressure for front and rear at 320 kPa, (equivalent to approximately 45 PSI). This is a higher pressure within the acceptable range, higher pressures decrease the rolling resistance making it easier to pedal and putting less load on the electric motor therefore increasing the available range of a battery charge.

 **WARNING** When pumping up tyres with an air compressor device (for example at service stations) please note that due to the small volume of the tubes, the tyres will inflate quickly.

Do not over or under inflate. Keep within a range of 280 - 460 kPa (40 – 65 PSI or 2.8 – 4.6 Bar).

3.8 Cranks

The cranks will loosen gradually over time. Check regularly if the cranks are tightened properly.

Force the cranks from one side, and there should be no slack between it and the bottom bracket.

There should also be no slack between the bottom bracket and the axle, and the crank can rotate easily. Check the bottom bracket regularly by moving the crank back and forth from one side.

If you find that the cranks or the bottom bracket is loose, go to an experienced repairer for rectification. The cranks are tightened to max. 35 Nm.

3.9 Pedals

Check regularly that the pedals are firmly secured to the cranks.

Note that the pedals are marked 'L' for Left and 'R' for Right. The Left pedal has a left hand thread and needs to be tightened in an anti-clockwise direction; the Right pedal tightens in a regular clockwise direction.

Tighten firmly with a 15-mm spanner. We recommend a torque wrench be used to tighten to $\geq 35\text{Nm}$.

3.10 Spokes

A tight fit of the spokes is important for impact-free running of the wheels. Loose spokes should be retightened as soon as possible.

A broken spoke/s and their opposite spokes must be replaced immediately and the wheel trued thoroughly. If necessary, rebuild the wheel.

Broken spokes and an out of balance wheel can often result from improper tensioning of spokes.

It is recommended that a trained bike technician replaces, tightens or eases spokes.

3.11 Forks

The forks can be set to the locked position by a level located on the top right hand leg.

In the event that the front forks need to be replaced it is critical that they are replaced with a component of the same specification. Forks of a different size may cause your e-bike to become unsafe.

3.12 Kick Stand

If fitted, ensure the kick stand is folded down completely when parking. Make sure it is folded back up before riding.

3.13 Folding

Start by standing on the left hand side of the bike. Unlatch the hinge lock. Now while holding the rear brake on with your left hand, nudge the frame with your knee to open the hinge. Rotate the frame until fully open.

To close, do the reverse and then ensure the hinge latch is closed and the safety lock on.

You can find a quick video on dysonbikes.com.au or on our YouTube channel, this explains how to fold the bike.

Section 4 - Electric Operation and Adjustment

This section covers using the display panel and other e-bike specific functions.

4.1 General Information

The Pedal Assistance System (PAS), is dependent on the pedaling frequency and will end when you stop pedaling (motor stops in about 2 seconds), more assistance is provided when you pedal faster (such as when in a lower gear).

The assistance will decrease when your riding speed goes up.

Applying either the front or rear brake level will cut out PAS.

You can adjust and/or completely turn off the assistance at any time, and ride your e-bike as an ordinary bicycle.

You can also use the bike with the twist throttle located on the right handlebar, please note that the maximum speed on throttle alone will generally be no more than 20-25kph on level ground.

We recommend you disable the assistance in hard rain or sandy terrain.

If you have to wheel the e-bike, switch off the control panel in case the motor might suddenly start due to an unintended crank rotation.

Always keep the control panel off when the e-bike is not in use.

4.2 Battery and Charger

The battery of your Dyson e-bike is a Lithium-ion type and some care is needed to maintain the battery's peak performance.

The battery features a self-contained charge indicator, press the small blue button on the topside to display the current state of charge, red only is low, red and three blue LED's is full.

Only use the supplied charger to charge the battery. If lost or damaged replace only with a genuine Dyson charger.

The charger is a computer-controlled system with many monitoring and control functions. The charger stops charging when the battery is fully charged. The battery cannot be overcharged however; we recommend that the battery be connected to the charger only when the e-bike will be used in the near future. The included charger must only be used for charging genuine Dyson batteries.

The LED on the charger indicates the current operating status.

Charging cycle and LED indicators for lithium ion Battery	
LED COLOR	MODE
Red	Charging
Green	Charging finished; Charger stops working

If the charging is abnormal

- Check if the power outlet is OK.
- Check if the contact to connectors is right.
- If it is still not possible to charge, please contact Dyson Bikes for advice on how to rectify.

The battery may be charged while mounted to the e-bike, or may be removed and charged separately.

To remove the battery use one of the supplied keys in the lock accessed from under the frame near the hinge. Turn to open the lock, then open the frame and slide out. Use care, as the battery is heavy!

To refit the battery reverse this procedure ensuring the frame is aligned correctly and the hinge catch is locked before riding.

NOTE Two keys are supplied with your e-bike; store one in a safe place in case the other is lost.

To charge the battery, plug the charger into a regular 240-Volt wall socket, the other small plug can then be inserted into the battery while in the frame or when removed. The LED light on the charger will glow red to indicate charging in progress.

Once fully charged the LED indicator light on the Charger will be green.

Make sure the battery is fully charged before the first ride and charge again for at least 6 hours after.

To maximize the battery life, the following instructions should be followed:

- The charger will not work efficiently if the battery stays below 0° C or above +40° C. Ideally, keep the battery at room temperature (approx. 20° C) during charging.
- Remove charger once charged; do not leave on charge for extended periods.
- Charge in a dry place.
- Recharge every 2 months if unused.
- Before re-using the battery after long periods, charge the battery fully.
- Keep the battery as close to normal room temperature as possible by parking the bike out of the sun on hot days and not leaving in hot cars or sheds. If necessary remove the battery from the bike.

⚠ WARNING Failure to comply can lead to absolute discharge of the battery. A completely discharged battery is not covered by warranty.

NOTE Self-discharge will occur over time, this is a normal characteristic of batteries. This is due to chemical processes in the gas-tight cells, state of charge and environmental conditions (temperature, humidity).

4.3 Control panel

4.3.1 Display indication

The display indicates the key functions of the e-bike such as battery charge status and PAS level.

The control panel is operated by the three buttons located on the mount of the display on the left hand side of the handlebars.



4.3.2 Settings and configuration

Your e-bike is set to the correct settings before delivery and no adjustment is required for normal operation, no adjustments are necessary.

4.3.4 Display ON/OFF

ON - Ensure the battery switch is in the 'I' position, then press and hold the 'M' button for 1.5 seconds to turn on the display.

OFF - Press and hold the 'M' button to turn off the display; the power of the controller will be cut off.

4.4.5 Backlight

When riding at night it is advisable to switch on the control panel backlight. Once the display is on, press and hold the UP button for 3 seconds until the backlight comes on. Use the same procedure to switch off.

4.4.6 PAS mode

There are 5 PAS levels available to suit your riding style. Press the 'UP' or 'DOWN' buttons to select the appropriate assistance level for the current situation. For most situations '3 – Standard' provides the best mix of assistance and range. To ride without assistance select '0'. The speed, trip and odometer functions will still function in this mode.

In addition to the 5 PAS levels, there is also 'WALK' assistance mode. You can activate this mode by keeping pressing the 'DOWN' button for a few seconds and deactivate this mode by releasing the button. This will activate the motor without pedaling to maintain a walking speed.

4.4.7 Mileage measurement

Three display modes are available, 'TRIP' time elapsed, distance travelled since powering on display and 'ODO' (Odometer) total mileage. Press the 'MODE' button, and select between 'TRIP' functions and 'ODO'.

'TRIP' measures the distance travelled since turning on the display, this is reset each time the display is cycled off and on. The odometer measures total distance traveled, however please note distance traveled will not be recorded if the bike is ridden without assistance and the display off.

ATTENTION If your e-bike displays an error code:

- Please refer to the trouble-shooting guide.
- The problem must be resolved before the e-bike can return to the normal state.
- Do not ride the e-bike with assistance active before the issue has been rectified.
- Riding as a regular bike with the main battery switch off is OK to complete your journey.

Section 5.0 - Safety

5.1 General

- Check and tighten any loose nuts, bolts, and straps.

- Tyres:** are they correctly inflated? Push down with your thumb on the top of the tyre, it should depress slightly. Compare to how it feels when you know the tyres are correctly inflated. Check for cuts or cracks, replace damaged tyres before they puncture.
- Wheels:** are they straight and true? Spin each wheel and check for brake clearance and side to side wobble. If a wheel wobbles it may be buckled. If buckled take to an experienced bike repairer to rectify.
- Brake:** Check that the brakes operate effectively.
- Quick Releases:** Are the front wheel and seat post quick releases properly adjusted and in the locked position? Check all quick release mechanisms are correctly and securely closed.
- Lights (where fitted) and Reflectors:** Are they working and correctly aligned?
- Handlebars and Saddle:** Are the:
 - Handlebars and saddle system horizontal and tight enough so they won't twist
 - Handlebars secure and in good condition
 - Handlebar ends in place? And,
 - Is the bell working?

NOTE Any broken or worn parts should be replaced before the e-bike is used. When replacing parts we recommend using genuine Dyson parts.

5.2 Safety equipment and commonsense riding

As a road user you are responsible for your own and others' safety.

You need to know: The road rules and how to ride safely.

5.2.1 Your e-bike

Check your e-bike before using it as detailed in this manual. Know how to operate all mechanical and electrical controls. For riding in low light and night conditions, switch on display backlighting, fit and use front and rear lights.

5.2.2 Your Clothing

Wear a correctly fitted and fastened approved helmet. Bright colored clothes and reflective tape help improve your visibility to other road users at night. Wear covered shoes, not thongs or bare feet.

5.2.3 Be Alert

Watch out for other road and pathway users. Adapt your riding to suit the conditions. Do not listen to loud music, as this will interfere with your ability to hear other road users or dangers.

5.2.4 Carrying Loads

Never load the e-bike beyond its capacity, refer specifications table for details.

5.2.5 Riding in the wet

We highly recommend that you do NOT ride your e-bike in wet weather. Wet weather affects visibility for all road users. It is harder for any vehicle to stop in the wet. Allow more distance to stop while braking.

Section 6 - Maintenance and Care

6.1 Mechanical parts

These are parts found on regular pedal bicycles, (as opposed to electrical parts found only on e-bikes).

6.1.2 Cleaning

- Mud and dust can be highly abrasive. Regular cleaning of the e-bike, especially the electrical parts, will help maintain your e-bike in good condition.
- Wipe the e-bike with a damp micro-fiber cloth. Never hose or flush the e-bike, as this has a risk of damaging electrical parts and it can also wash the lubricants from the drivetrain.
- Always thoroughly dry and lubricate your e-bike after washing or riding in rain to prevent corrosion.
- Do not apply polish as this will affect the satin finish.

 **WARNING** Never use a high pressure water washer!

6.1.3 Lubrication

Keep your e-bike regularly lubricated for good performance and durability. Lubrication reduces friction and helps protect against rust. All bearings and other moving parts require regular appropriate lubrication:

- Grease type lubrication: bearings in head stem, wheels, bottom bracket and pedals at least once a year
- Oil type lubrication: Brake and derailleur pivot points and jockey wheel, chain, freewheel once a month
- Never lubricate the brake pad, rim or tyre.

6.1.4 Monthly Service Items

Tyres and tubes

- Clean the tyres and inspect treads for wear.
- Remove any debris from tread or walls.
- Check if tyre pressure is correct.
- Check valves for leakage.
- Replace faulty tubes.

Wheels

- Check rims for accuracy and spokes for evenness of tension.
- Replace any bent or broken spokes.
- Make sure that the wheel is mounted centrally in the frame.

Brakes

- Check brake pad and brake lever mounting bolts.
- Check brake pads for wear and replace them if necessary.
- Check if the pad toe-in alignment is correct.

Gear and brake cables

- Inspect all cable housing for damage. Replace if necessary.
- Clean and examine all cable wires for kinks and frayed ends. Replace if necessary.
- Adjust barrel adjusters and/or cable anchor bolts to compensate for cable stretch.

Hubs

- Check front and rear hub bearings for excess play or binding. These have adjustable cup-and-cone bearings, tightened or loosened if necessary.
- Check if hubs are correctly lubricated.
- Tighten hub axle nuts and check quick release levers for correct tension.

Drivetrain

- Clean chain wheel; check if it is true and has no broken teeth or is excessively worn.
- Check if crank arms are tight on bottom bracket spindle.
- Clean and lubricate freewheel and check for wear.
- Check freewheel sprocket for worn or broken teeth.
- Check chain for excessive wear or stretching.
- Check for any stiff links.
- Use a suitable chain lubricant, we recommend Shimano Wet Lube (WS8000121)
- Adjust the rear derailleur to ensure correct chain tension and alignment.

Bottom Bracket/Axle

- Test bottom bracket bearings for excess play or binding.
- Check if the locknut is tight.
- Check if bottom bracket is correctly lubricated.

Headstem

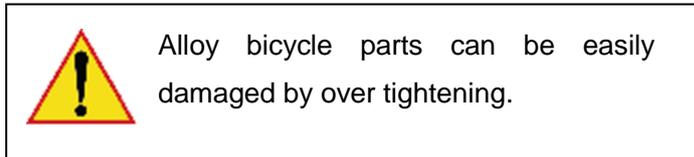
- Check headstem for excess play or binding.
- Check if the lock bolts are tight.

Pedals

- Make sure pedal bodies are not cracked.
- Tighten the mounting bolts of pedals if necessary.

General

- Check frame alignment and all the tubes for dents or damage.
- Check welds for cracks.
- Check all fasteners, bolts, nuts and quick releases are secure.
- Tighten bolts to the correct tension with the correct tools.



6. 2. Electrical Components

6.2.1 Rear Hub Motor

- Pay attention to the abrasion or damage of all cable connections, so as to avoid short circuit or motor failures.
- Avoid riding or parking in heavy rain or deep water.

6.2.2 Control Panel

- Inspect cables for damage; repair where necessary to avoid short circuits and damage to the control unit.
- Avoid direct contact with water.

6.2.3 Battery

- Only use the supplied charger to charge the battery. If the battery will not be used for a long period, please store it in a cool and dry place, and charge it every 2 months for a minimum of 2 hours (half charged).
- Before connecting the charger to the mains, check whether the voltage of your power supply matches the nominal voltage of the charger.
- For your own safety: Never place the battery near fire or other heat sources.
- Do not dispose of in a fire.
- Do not place the battery near combustibles or explosives while charging.
- The battery will heat up under heavy load. Pay attention to the room temperature before charging and place the battery where it's cool.
- Protection against moisture: Avoid riding the e-bike in standing water or in pouring rain, otherwise the electronic parts or connections could be damaged.
- The battery contains no user serviceable parts – **DO NOT OPEN**. Contact Dyson Bikes for advice on repair or replacement.
- Never connect together the two pins of the battery; this will result in a short circuit and fire.
- Prevent the battery from falling on the ground or heavy striking.

- The maximum battery life can be achieved if you charge it at ambient temperature between +10°C and +30°C. Avoid extended exposure to the sun or an environment of over 60°C (for example in vehicles or sheds).
- Keep water or moisture out of the charging jack.
- Keep the battery out of the reach of children.

NOTE A worn-out battery is subject to special disposal requirements. The battery contains toxic heavy metals and therefore is subject to the hazardous waste treatment regulations. Only authorized parties are allowed to take care of the disposal. Contact Dyson Bikes if you need further information.

6.2.4 Charger

- Store the charger out of the reach of children.
- Never use the charger during a thunderstorm.
- Do not use the charger for charging unauthorised accessories or batteries, which may lead to fire, electric shock or personal injury.
- Do not use the charger if there is apparent damage to the charging plug or cable.
- The charger is not able to be serviced by the user – please do not disassemble.
- Incorrect installation may lead to electric shock or fire.
- In order to avoid short circuit, please disconnect the charger from the mains before cleaning it.
- Only use the charger in dry, clean and cool conditions.
- Prevent liquids and metal objects from getting into the charger.
- Always keep the charger somewhere safe and stable; protect it against impacts and other damages.
- Clean the device with a dry cloth. Do not use oil, water or solvents.



Only use genuine Dyson parts for replacement of safety critical components, especially motor, controller, battery, charger and control panel. Use of unauthorised components may result in serious injury or accident!

Section 7 – Trouble-shooting

ISSUE	SOLUTION
The control display has no power and cannot be started.	<p>Check the battery charge indicator. If there is no outgoing voltage, the battery must be charged or replaced.</p> <p>Check the control display. If the control unit is broken down or damaged, it must be replaced.</p> <p>Check if there are contaminants or damages on the contact points between battery and control display.</p>
The indication is normal, but the motor does not start.	This failure may be caused by an improper connection between the motor and the control display. Check if the plug is correctly connected or if there are cable breakages.
The control display can be turned on, but it turns off during riding, and the indicator goes off.	<p>This failure may be attributable to a short circuit in the motor connection. Please check if all cables are properly connected and are damage free.</p> <p>Check that you are not bumping the battery on/off switch.</p>
The battery indicator blinks and the PAS does not work.	The battery is running too low and must be charged.
The indicator blinks during the charging process.	It means that the charger is in protection mode due to a short circuit. Eliminate the short circuit or consult an authorised repairer.
Failure indicated by the control display.	If the display lights blink or are not working properly, there is an electrical failure. Check all cable connections. If all cables are correctly connected and the error code is still shown, contact an authorised repairer.

Note: You may ride the e-bike trouble-free as an ordinary bike without assistance in this case!

Section 8 - Warranty

An Electric Bike, Bike, Bike Part or Bike Accessories ('E-Bike', 'Bike', 'Part' and 'Accessory') purchased new from Dyson Bikes is warranted for the periods and on the conditions set out below.

An E- Bike, Bike, Part or Accessory purchased from Dyson Bikes is covered for a period of 12 months. Adequate proof of purchase must be provided to support a Warranty claim.

If a Bike, Part or Accessory is defective (other than for the Warranty exclusions specified below) during that period, we will replace or repair it at our cost. To make a claim please return the complete Bike, defective Part or Accessory to the place of purchase.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits under this warranty are in addition to other rights and remedies you may have at law.

This voluntary Warranty is given by Hasta industries Pty Ltd trading as Dyson Bikes of 40 Catherine Road, Bentleigh East, Victoria, Australia. ABN 211 656 485 00. The Warranty covers the correction, during the relevant Warranty Period, of defects in any such E-Bike, Bike, Part or Accessory, by repair or at Dyson Bikes option by replacement. The benefits conferred by this Warranty are in addition to other rights and remedies available to you under the Australian Consumer Law. This Warranty in no way limits or restricts your rights or remedies under the Australian Consumer law.

E-Bike, Bike, Part and Accessory Warranty exclusions. Normal Bike maintenance items which require periodic replacement during the course of normal operation, such as brake pads/shoes, tyres, tubes, chains, batteries, gears, bearings etc. are warranted against manufacturing defect for the lesser of (a) 12 months from the date of purchase, or (b) 2,000km of use, whichever occurs first. Failures attributed to normal wear and tear, misuse or abuse, incorrect fitting from a third party (not purchased from Dyson Bikes) accessories and/or components or poor third party workmanship will not be covered.

The user assumes all risks for any personal injuries, damage to or failure of the e-bike or bike and other losses if this bike is used in any competitive event, including, but not limited to, stunting, bicycle racing, dirt biking or similar activities, or training for such activities.

This warranty does not cover any personal injuries, damage or failure of the e-bike or any other losses due to accident, misuse, neglect, abuse, normal wear, improper assembly or maintenance.

For customer assistance, please call us on 0497 357 117 or email us at info@dysonbikes.com.au.

Section 9 - Maintenance Record

Your e-bike is a mechanical product, which needs to be maintained regularly.

We recommend the first service after approx. 100 km or 3-months. After that, we recommend servicing by a trained e-bike technician every 1,000 km or 12-months whichever is greater.

Service 1: 100km / 3-months Notes: Date / /20 Repairer stamp
Service 2: 1,000km / 12-months Notes: Date / /20 Repairer stamp
Service 3: 2,000km / 24-months Notes: Date / /20 Repairer stamp
Service 4: 3,000km / 36-months Notes: Date / /20 Repairer stamp
Service 5: 4,000km / 48-months Notes: Date / /20 Repairer stamp
Service 6: 5,000km / 60-months Notes: Date / /20 Repairer stamp

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WE'RE ELECTRIC

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