



NYTRO DUST

USER MANUAL AND MAINTENANCE

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1. INTRODUCTION

Dear Pinarello customer,

In this manual, Cicli Pinarello provides recommendations for the use of your new bicycle and instructions for its care and maintenance. Technical evolution in bicycle technologies is rapid, so even if you consider yourself an expert cyclist you should still read this manual.

For your safety and to guarantee long life for your bike, you should read the entire manual, paying special attention to the sections with instructions on assembling and setting up the bike (Section 5), special instructions for your first ride (Section 3) and general instructions on the proper use of your bicycle (Section 8) and its pedal assist system (Sections 4 and 7).

The manual refers exclusively to the Pinarello Nytro Dust bicycle, meaning that the instructions are only for this model and do not apply to any others. Remember that the explanations and instructions cannot possibly cover every situation, since factors such as experience, manual ability and the tools of those working on the bike will inevitably vary. This is not a bicycle assembly manual, and it cannot fully replace the experience and knowledge of an expert mechanic. For these reasons, for any support needed, Cicli Pinarello always recommends that you call on the network of official Pinarello dealers and their irreplaceable professionalism and experience.

Before your first outing, familiarise yourself with the Nytro Dust by practicing in a known, safe place. Compared to the average use of a regular muscle-powered bicycle, a pedelec allows you to reach much higher speeds, quickly and quietly. You need to familiarise yourself with these features before beginning a ride, and you need to be aware of how they affect the rider's relationship with other road users.

Last but not least, note that a pedelec is a means of transport that, like all other road and off-road means, involves important risks for the health and physical safety of the user, even more so since it does not have the safety devices of a car – such as ABS, airbags, even simple bodywork. You should be aware of and acknowledge the risks, and adopt all the necessary behaviours to minimise them. Always ride your pedelec with the utmost caution, respecting other road users. Never use the pedelec while overly tired or under the influence of alcohol, drugs, or medication. Never carry another person. Always keep both hands on the handlebar. Always obey all local laws of the road. When riding off-road, always respect nature by riding on recognised trails and tracks. Wear appropriate clothing, including a helmet, eye protection and garments that make you clearly visible.

WARRANTY

The Pinarello Nytro Dust bicycle is covered by a legal warranty of two years from the date of purchase, with possible extension of further three years subject to the registration of the bicycle, within 30 days of purchase, on the website at the address:
pinarello.com/frame-registration

Warranty information and conditions can be found in the leaflet provided with this manual, and can also be found on the website at:
pinarello.com/warranty

GENERAL RECOMMENDATIONS AND WARNINGS



The information and instructions in this manual are not intended as a guide for repairing a bicycle or for assembling one from individual parts.



Respect the rules of the road. Never ride the bike “no hands”. Never behave in a way that could cause danger to yourself or other road users. Never take a tow from other vehicles. Never take your feet off the pedals, except where road conditions or the situation require.



Never attempt any maintenance, repair, adjustment or assembly work on the bike unless you are experienced and fully informed in what you are doing. Mistaken actions can pose serious risks to your safety. If in doubt, contact an authorised Pinarello dealer for support.



Read the user manuals provided by the manufacturers of the pedal assist system and other components.



The acceleration and speed of a pedal-assisted bicycle require different riding habits, so familiarise yourself with the bicycle before use, and be careful.



The weight distribution of a pedelec and a non-motorised bicycle are remarkably different. A pedelec is much heavier: use maximum caution when parking, lifting, pushing or carrying a pedelec, and when loading it into or onto a vehicle, or mounting it on a bike carrier.



Never mount bags or anything large or heavy on the handlebar: risk of falling!

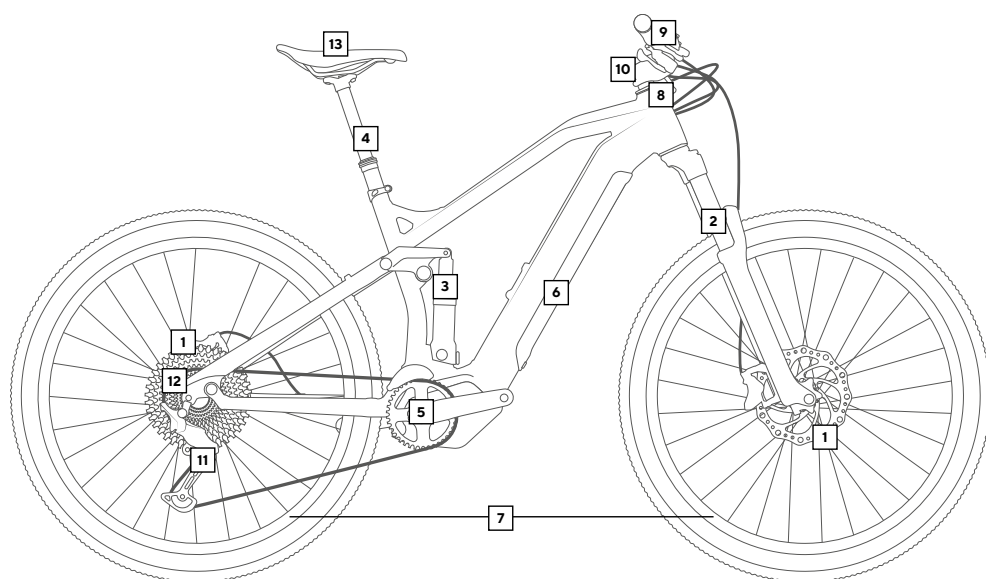


Always remove the battery and display before carrying out any inspection, assembly work or maintenance on the pedelec. When the battery and display are removed there is no risk of activating the pedal assist system, meaning there is no risk of injury.



Never wear skirts or any loose or hanging garments while riding. Never attach stretch cords, cords or tie other things onto the pedelec. These could get caught in the wheels, drivetrain or motor, causing risk of injury.

2. DESCRIPTION OF THE PINARELLO NYTRO DUST BICYCLE



- | | | |
|-------------------|-------------|-------------|
| 1 Brakes | 6 Battery | 11 Groupset |
| 2 Front Fork | 7 Wheels | 12 Cassette |
| 3 Rear Suspension | 8 Headset | 13 Saddle |
| 4 Seat Post | 9 Handlebar | |
| 5 Crankset | 10 Stem | |

3. FIRST RIDE WITH YOUR NYTRO DUST

1. Before riding your Nytro Dust bicycle for the first time, it is a good idea to spend some time with your Pinarello dealer to fine-tune the set-up, so that it meets your specifications and all components operate in the proper working ranges. For some additional details on adjustments, refer to the manual section "Before every ride".
2. Get to know your bike. The ride characteristics of a pedelec are specific to the hybrid propulsion system and differ substantially from the ride of traditional bicycles. Because of this, you should begin by familiarising yourself with the lowest level of assistance, riding in a known space and away from risks to yourself and others.
3. The Pinarello Nytro Dust bicycle is designed to support a maximum weight of 130 kg (286 lbs), including bike, rider, luggage and accessories. Make sure you do not exceed this limit.
4. Ask your trusted Pinarello dealer to help you check that the pedelec is equipped with all the devices required by the road traffic laws in force where you will be using it.
5. Check the battery level of the pedal assist system. The battery must be charged before first use. Further instructions on battery use and charging are found in the section "Use and maintenance of the battery and battery charger", and in the motor manufacturer's user manual.



We recommend that you charge the battery during daylight hours and only in dry areas with smoke or fire detectors. Do not charge the battery in a bedroom. Place the battery on a large, non-flammable surface when charging and keep it away from flammable objects.



Only charge the battery using the charger supplied with the bike. Never use any other manufacturer's charger, even if the plug is compatible.

6. Familiarise yourself with the pedal assist functions. These are operated by the remote control mounted on the handlebar or through the switch on the top tube near the head tube. For further details on the control and features of the pedal assist functions, see the "User Interface" section of this manual and the motor manufacturer's user manual.



Notice: When mounting the bike, be careful not to engage the pedals before you are in the correct position, with your hands firmly on the handlebar. There is a risk that you could unintentionally activate the pedal assist before you have full control of the bike, resulting in a fall.

7. Check and familiarise yourself with the braking system. The brakes assembled on this bike could have much greater stopping power than the ones you are used to. Test the brakes to become familiar with their use. Check that the levers operate the brakes in the combinations you are used to. Except for some countries, the combinations are usually the right lever for rear brake, left lever for front brake. Familiarise yourself with the combinations if you are not used to the pattern.
8. Familiarise yourself with the shift system and its operation, unless it is similar to a system you are used to.
9. Check the height of the frame, saddle and handlebar. The top tube should be one hand's width below your groin. The saddle should be set so that while seated, your heel barely reaches the pedal at the lowest point of rotation. Once in the saddle, make sure you can touch the floor with your toes. Your Pinarello dealer can help with set-up and offer more detailed advice.
10. If you have equipped your bicycle with quick-release or clipless pedals, ask your Pinarello dealer to help you set up and become familiar with their use.



Insufficient knowledge and practice or improperly adjusted pedals can prevent proper release of the pedal when needed, leading you to fall and putting your safety and the safety of others at risk.

11. With the support of your trusted Pinarello dealer, check the pressure of the front suspension fork and rear suspension. Incorrect adjustment can lead to defective operation which could damage the fork and shock absorber. A malfunctioning fork and suspension could make more difficult to handle the bike on the road and therefore create an immediate safety hazard.



Braking action and tire grip are greatly reduced if the road surface is wet or dirty. Under these conditions, reduce speed and ride carefully.

4. BEFORE EVERY RIDE

We recommend that before each ride with your Pinarello Nytro Dust, you carry out a series of checks for the proper operation of your bike and for your own safety. Even after a long period of standstill, or during transport, there could be changes to the bike's performances and settings.

1. Check the front and rear thru-axle fastening. Check that wheels are well secured to the fork and frame.
2. Check all quick-release clamps (e.g. seatpost clamp).



Improper closing of quick-release clamps, other fasteners or through-axles can cause parts of the bike to come loose and pose a fall hazard.

3. Check that the battery, handlebar devices and motor are properly connected and well secured.
4. Check the battery charge level. Lithium-ion batteries do not have a memory effect from repeated charging, so we recommend that you recharge the battery after every ride, especially long rides. Never let the battery discharge completely.



If a discharged battery is left for a long time without recharging, it could fall below the minimum safe voltage range. The battery management system will then permanently switch off the battery, which will no longer be usable. You should therefore remember to recharge the battery as soon as possible after use. Please refer to the battery management instructions in the motor manufacturer's manual.

5. Once the pedal assist system is turned on, check that no error symbols or warning lights appear on the controller display. Never ride the pedelec if any error or warning signals appear.
6. Check that the battery is properly installed and secured. Never ride a pedelec if the battery is not properly seated and secured.
7. Make sure the tires are in good condition and inflated to correct pressure. The recommended pressure ranges between 1.5 and 2.2 bar (22-32 psi), depending on terrain and weather conditions. Indications for pressure are usually found on the tire sidewall. Spin the wheels to make sure they are centred, free of damaged or broken components (axles, spokes, etc.).
8. Check brake operation. Pull the levers completely with the bike stopped, checking that the pressure point is reached without the lever touching the handlebar. On hydraulic brakes, check for leaks.
9. Lift the pedelec and let it bounce on the wheels from a low height, checking for abnormal noises or vibrations.
10. Check that the bike is equipped with the devices required by the road laws in force in your cycling location. It is extremely dangerous to ride without lights or reflectors in poor visibility or darkness.
11. If applicable, check the correct operation of the suspension (compression and rebound) by applying pressure to the bike from a standing position.
12. Carefully inspect the bike components for early signs of wear or fatigue, such as cracks, scratches, deformed shape or altered paint. Repeated low intensity working cycles, especially on rough uneven surfaces, can lead to material fatigue.



If you detect signs of fatigue or damage on any component of the bike, contact your local Pinarello dealer to have the component replaced. Do not use the bike if any components are damaged or show signs of fatigue, as they can cause sudden failure, posing very high safety risks.

5. GENERAL INFORMATION ON YOUR NYTRO DUST BICYCLE

The Pinarello Nytro Dust bicycle is a Pedelec (Pedal Electric Cycle) or EPAC (Electrically Power Assisted Cycle), which is a bicycle equipped with a motor that provides assistance as long as the cyclist is pedalling. The moment the rider stops pedalling, the motor stops delivering torque.

The motor provides support for pedalling until you reach the local speed limits: up to 25 km/hr (15 mp/hr) or 32 km/hr (20 mp/hr) for countries including the USA, Canada, New Zealand. Once this speed is reached, the motor automatically stops delivering torque. The motor is equipped with a torque sensor designed to provide motor driving force proportional to the speed and force of the human foot pedal: the harder you push on the pedals (more force), the greater the driving force of the motor.

The rider manages the pedal assistance from the remote control or the display, both of which are mounted on the handlebar. The sections below provide basic information and instructions on operating the pedal assist system. For details, please refer to the motor manufacturer's manual.

USER INTERFACE

TURNING ON/OFF

Your Pinarello Nytro Dust cycle is equipped with a SHIMANO EP8 STEPS system with integrated battery. To turn on the system, press the power button located on the top tube near the head tube. Keep the button pressed until the system turns on.

To turn the system off, press the power button again.

LEVELS OF ASSISTANCE

The SHIMANO STEPS system offers three power-assist levels:

- ECO
- TRAIL
- BOOST

When you turn the system on, the assistance mode will always be in OFF, regardless of the setting last selected before turning the system off.

To change the power-assist level, press the buttons on the handlebar control.

The SHIMANO STEPS system is equipped with a WALK function, designed to help the user push the bike in uphill situations or if the weight of the bike is excessive.

To access the WALK function, decrease the power-assist levels until you reach the OFF state and decrease again until you reach the WALK state.

Once you reach the WALK state, push the bike while holding down the lower button on the handlebar control to get the walking assistance from the motor. The moment you release the button, the assist will stop.

To exit WALK mode, simply press the top button on the control, which will first turn the system OFF and then back to the pedal assist modes discussed above.



Familiarise yourself with the power-assist levels gradually and in a familiar and safe area. Start with the ECO level and move to the next levels only when you are familiar with the motor thrust.



The motor power in WALK mode depends on the gear you have engaged. Familiarise yourself with the walking assistance system as you shift gears, to learn how to manage it properly.



In case of faulty operation or error messages, refer to the motor manufacturer's manual or consult your trusted Pinarello dealer. Attempting to interfere with the components of the pedal assist system could cause personal injuries and irreparable damages to the system which will not be covered by the warranty.

CONNECTION OPTIONS

You can connect a PC, smartphone or tablet to the Nytro Dust cyclocomputer to customise the settings for individual components or the entire system, and to update the firmware.

To connect a smartphone/tablet to the system, simply download the E-TUBE PROJECT application and connect via Bluetooth or ANT+.

To connect the system to a PC, you will need the E-TUBE PROJECT PC application and a special connection device enabling interface between the cyclocomputer and the PC.

Please refer to the motor manufacturer's manual for further details on connection and instructions on customisation and update procedures.

6. GENERAL NOTE ON ASSEMBLY AND SET-UP

Your Pinarello Nytro Dust bicycle is a high-performance, complex machine. For this reason, the assembly and set-up require specific knowledge of the cycle and its technologies, as well as special tools and mechanical skills, available only from authorised Pinarello dealers.



This manual is not intended as a comprehensive use, repair, maintenance or service manual. Please contact your Pinarello dealer for all service, repairs or maintenance. Authorised Pinarello dealers provide highly qualified and trained personnel and updated documentation concerning components and the pedal assist system.



The Pinarello Nytro Dust frame does not require any preliminary or post purchase preparation. Do not remove, drill, or modify any parts of your frame. Failure to follow this instruction could result in sudden breakage, personal injuries, and will void the warranty.

SUSPENSION FEATURES AND ADJUSTMENT

Make sure that the suspension never reaches the end of its travel, as this could cause damage to components or the system as a whole. Suspension affects your riding behaviour, making it very important to provide proper adjustment.

Similarly to tire pressure, it would be impossible to provide absolute recommendations on adjusting the suspension. Above all, we recommend that you remain aware of these components. The more you pay attention to and sense the behaviour of the suspension, the greater will be your sensitivity in adjustment, allowing you to find the best setup to support and excel in your riding.

FRONT FORK

To adjust the fork pressure and all detailed settings, we recommend that you rely on your trusted Pinarello dealer, who has the necessary expertise and tools to ensure perfect tuning. You can find more detailed information on the adjustment, use and maintenance of the fork in the manufacturer's manual.

REAR SUSPENSION

To adjust the pressure and all detailed settings of the rear suspension, we recommend that you rely on your trusted Pinarello dealer, who has the necessary expertise and tools to ensure perfect tuning. You can find more detailed information on the adjustment, use and maintenance of the rear suspension in the manufacturer's manual.

TIRE PRESSURE

For best performance, check that the tires are inflated to a pressure between 1.5 and 2.2 bar (22-32 psi). In any case, we recommend that you adjust the pressure to your skills and driving sensations. It is impossible to identify a single correct adjustment of tire pressures for each individual user, because both the user and the terrain are important factors that have to be taken into account for this kind of determination. Especially when using the bike for the first time, we suggest that you ask your trusted Pinarello dealer for advice on correct tire pressure.

SEATPOST

DO NOT cut or alter the seatpost in any way. Make sure that it does not protrude beyond the minimum insertion point – marked MAX and indicated with vertical and dotted lines. If you find that proper positioning of the saddle would mean extending the seatpost beyond this limit, you will need to purchase a longer seatpost.

TIGHTENING TORQUES

The maximum permitted tightening torques are marked on the components themselves. Always tighten to the recommended torque. If torque indications are missing or illegible due to wear, refer to the component manufacturers' manuals or contact your Pinarello dealer.

7. GENERAL MAINTENANCE AND CARE

Your Pinarello Nytro Dust bicycle is a high quality product. Nevertheless, and precisely for this reason, it requires continuous correct care and regular maintenance by a specialist to keep it in perfect operation over the long term.

GENERAL CLEANING AND MAINTENANCE

Dirt, sweat, sea salt and salt from winter roads will damage your pedelec, meaning that the bike and its components require regular cleaning to protect them from corrosion.

Never clean your bike with pressure washers. These force water into seals and bearings, washing out lubricants and thus increasing friction on moving parts, causing rapid corrosion and wear.

The better way to clean your bike is to use a gentle flow of water and a sponge or brush. This will also enable close inspection of the bike, for early detection of signs of wear, fatigue or damage. The MOST® product line includes all the suitable products for cleaning, care and lubricating your bicycle.

After cleaning, check the chain, and if necessary lubricate it with the appropriate products.



During cleaning, pay attention to any cracks, scratches, altered paint or deformations of materials in the components. If in doubt, have the bike inspected by your trusted Pinarello dealer, who can provide assistance, and where necessary, replace the damaged components.



Only use products specific to bicycle care. Aggressive, non-neutral degreasers or chemical detergents could cause cosmetic, surface damage, or worse, alter the characteristics of important components such as moving parts and bearings.



The motor action leads to faster chain wear than on regular muscle-powered bikes. Before each ride, inspect the chain for wear.



Do not apply cleaning and care products or chain lubricant to the brake pads or discs. This could reduce the braking performance and pose a serious safety hazard.

CLEANING THE FRONT FORK

After each ride: clean dirt and debris from the upper tubes and dust seals; check air pressure and inspect the upper tubes for scratches. After every 50 hours of use: service the chainstay at your authorised Pinarello dealer. After every 200 hours of use: service the spring and damper assembly. Refer to the fork manufacturer's manual for more details.

CLEANING THE REAR SUSPENSION

Clean the shock absorber with water and mild detergent. Never clean the shock with pressure washers. To maintain the high performance, safety and long life of your rear suspension, periodically check tightening torques, perform routine maintenance on the shock, and service and grease the linkage system. Refer to the rear shock manufacturer's manual for maintenance intervals and procedures. In any case, we advise you to refer to your trusted Pinarello dealer to carry out maintenance operations.

INSPECTION AND MAINTENANCE

We recommend that you have your trusted Pinarello dealer check the bike periodically. An assembly check should be carried out after the first few kilometres, for purposes of adjustment after the components have settled in. After that, we recommend that the bike be inspected periodically (approximately once a year).

These inspections enable the identification of any worn components and the return of the bike to perfect working order.



Use only original spare parts or alternative components suggested by your Pinarello dealer. Replacement parts from other sources and/or of other sizes, especially those subject to wear, could damage your bike and/or create a safety hazard.



The use of non-original spare parts or parts not recommended by Cicli Pinarello, and any repair, maintenance and service performed by unauthorised personnel will void the warranty and CE marking.

8. USE AND MAINTENANCE OF THE BATTERY AND BATTERY CHARGER

This section provides the main instructions on the use of the battery. For more detailed and specific information please refer to the manual provided by the manufacturer of the pedal assist system.

CHARGING AND USE OF THE BATTERY

You cannot use the battery immediately after purchase. Batteries begin to deteriorate from the very first time they are charged. After purchase, and after the bicycle is stored for an extended period of time, charge the battery just before you intend to use it. The battery must be charged with the designated charger. Always charge it before use. The charging time depends on the battery level and the charger used. Please refer to the user manual of the charger for the stated charging time. We recommend the use of a genuine SHIMANO battery. If you use a battery from another manufacturer, please read the relevant instruction manual carefully before use. Open the E-TUBE PROJECT app and click "Check connection" to determine whether the battery used is an original SHIMANO battery or another brand.



When charging the battery, use the specified SHIMANO charger and follow the instructions for charging conditions. Failure to follow these instructions may result in overheating, explosion or ignition of the battery.



When charging the battery while it is mounted on the bike, be careful not to trip over the charging cable and avoid getting anything getting caught in it. Failure to do so could result in injury or the bike falling over, damaging components.

For more information about this topic:

- **CHARGE LEVEL**
- **INSTALLING AND REMOVING THE BATTERY**
- **TECHNICAL DATA**
- **ERROR MESSAGES AND TROUBLESHOOTING**
- **BATTERY HAZARDS AND ACCIDENT PREVENTION**

refer to the manual provided by the manufacture of the pedal assist system for detailed instructions and procedures SHIMANO.

9. TRANSPORTING YOUR BIKE

The Pinarello Nytro Dust can be transported like any regular bicycle on the appropriate vehicle bike carriers, or inside the vehicle itself. Whatever the transport method, make sure that the bike is properly secured and periodically checked during transport. When transporting the bike, especially outside the vehicle, always dismount the battery to prevent damage. When transporting the bike outside the vehicle you should also remove the cyclocomputer.

Transporting the bike on public transport is generally allowed. We recommend that you check the transport system regulations for information on any permissible time slots and additional costs.

Because air transport requires specific packaging and marking as dangerous goods, we absolutely recommend that you contact the airline or courier company before using these kinds of transport.



Before transporting the bike on the outside of a vehicle, ensure that you have dismounted all moving parts and separable components, in particular the battery, computer, and controller.

When transporting the bike on the outside of a vehicle, after the battery has been removed, protect the contacts from moisture and dirt, for example using a plastic bag.



Check whether the road laws where you are travelling require special signs or other measures for transporting bicycles on vehicle-mounted bike carriers.



Pay attention to the weight of the bike compared to regular bikes when you are handling, loading and unloading, and when placing more than one pedelec on the vehicle roof or external bike carriers. Check the weight limits specified by the bike carrier and vehicle manufacturers.



Never leave the bike for long periods of time inside a vehicle exposed to sunshine: the interior temperature could cause cosmetic damage to components, or alter or damage their structural or mechanical features, or cause dangerous overheating of the battery.

10. AFTER A FALL

In case of a fall, we recommend the following checks before resuming your ride:

1. Check that the battery is still properly seated and free of visible damage. If there is visible damage, do not use the pedal assist. A damaged battery could short-circuit, or water and humidity could enter it, or it could ignite or explode. If the battery is damaged, contact your Pinarello dealer immediately.
2. Check the display for error or warning signals. If there are any signals, turn off the system, wait about ten minutes and turn it on again. If the warning or error signals reoccur, turn off the system and do not use pedal assist. Check the motor manufacturer manual for further information and immediately contact your Pinarello dealer. Do not use the pedal assist if there are warning or error signals.
3. Check that the wheels are still securely attached and that the rims are still centred in the frame and fork.
4. Check that the handlebar and stem are not broken or deformed. Check that the handlebar is still properly connected to the fork by turning the handlebar against light resistance and verifying that the wheel turns properly. Apply the brakes and lightly force the handlebar to check that the brake system is still solidly attached to the bike and working.
5. Make sure the chain is correctly positioned on the chainring and cassette. Raise the rear wheel and check the operation of the rear derailleur. Check especially that the derailleur does not come too close to the spokes when moving the chain onto the larger cassette sprockets. If the rear derailleur comes too close, there is a risk that it will end up between the spokes and cause a fall, with consequent danger to the safety of the user and the integrity of the bike.
6. Check the position of the saddle.
7. Check that there are no abnormal noises coming from the bike by lifting and letting it bounce from a low height.
8. Visually check for cracks, deformation or altered paint.

Once you have completed these checks, you can resume riding to return to base, without forcing on the pedals or brakes, and paying close attention to any abnormal behaviour or noises. In case of abnormal behaviour, do not use the bike.

After you have returned home, take the bike to your local Pinarello dealer for a complete and accurate inspection.

11. GENERAL INFORMATION ON THE USE OF THE NYTRO DUST

The Nytro Dust bicycle can be used as a regular muscle-powered mountain bike by simply turning off the motor. The behaviour without assist will be similar to what happens with a low battery charge. The display continues to function even when the battery is low.

If you use the bike in unassisted mode with the battery removed, be sure to properly protect the contacts and connections from dirt and moisture.

Nytro Dust bicycles are designed, engineered and manufactured to perform their intended purpose. Any use other than the intended purpose could cause the bicycle to undergo sudden stress and breakage, not covered by warranty.



DO NOT attach child seats or trailers or use the bicycle for towing.

The acceleration and speed of a pedal-assisted bicycle require different riding habits, so pay the utmost attention during riding. We recommend that you practice, gradually familiarising yourself with the thrust of the motor in different situations, preferably in a space that is known and free of hazards.



Always use extreme caution when riding your Nytro Dust. Although the full suspension will give you maximum grip and rideability, jumps and high speeds on rough trails can lead to your bicycle breaking down, resulting in safety hazards and injuries.

When using a pedelec, we particularly emphasise the following cautions:

- Do not mount the saddle with one foot on the pedal and the other leg over the saddle. This action will trigger the pedal assist system, which could result in a fall.
- Before a curve, stop pedalling earlier than on a regular muscle-powered cycle. If you are pedalling too late, the assistance system will continue to push you and you will enter the curve at an excessive speed.
- Keep your pedalling fluid (the best frequency is at least 60 strokes per minute) and manage the gear ratios as you would with a regular muscle-powered cycle, without giving in to the temptation to let yourself be pulled along by the motor. This way you will achieve best management of the motor and battery, making the most of the charge. The motor provides a force proportional to the force exerted by the user, and when you pedal at a higher frequency to achieve a particular speed, you will be exerting lower force, so then the motor will also provide lower force, with less consumption of battery power, thereby increasing autonomy.
- Keep in mind that a pedelec can quietly reach high speeds. This can pose a danger to other road users, so ride your pedelec responsibly.

FOR LONG RIDES

The autonomy of the cycle battery and therefore the distance that can be covered depend on many factors, including:

- Type and conditions of route
- Total weight of rider and load
- Type of pedalling (see previous paragraph)
- Pedal assist level selected
- Wind
- Frequency of start-and-stop sequences

- Ambient temperature
- Weather
- Tire pressure.

To maximise battery life, we recommend that you use the pedalling assistance sparingly, varying the level according to travel conditions (e.g. low assistance for flat or downhill stretches, higher assistance level for uphill stretches or with headwind).

Additional measures to gain travel distance:

- Check tire pressure often using a pressure gauge, for example once a week.
- Choose a good gear ratio before stopping, so that you can start with a ratio that requires less push from the motor.
- Set the gear ratios similarly to the way you do with a regular muscle-powered cycle, not choosing only the highest ones, which will lead to being dragged by the motor.
- Ride smoothly, avoiding unnecessary stops.
- Minimise luggage to minimise the weight the motor has to push.
- Keep the battery indoors in case of low temperatures or frost, mounting it on the pedelec only when you start the ride.
- Do not leave the battery in full sunlight. In general, do not park the pedelec in full sunlight.

Check the battery charge status on the battery indicator on the display. Further details are available in the manual provided by the pedal assist manufacturer.



Keep in mind that other road users may not hear the oncoming pedelec. On bicycle lanes or mixed traffic lanes, to avoid accidents, ride with extreme caution and attention.



The bike is equipped with very powerful brakes. In case of problems with management of the motor, brake carefully as the braking action will win over the motor action.



Given the high performance of the motor, the risk of falling, especially on slippery road surfaces or terrain (wet, snow, gravel, mud etc.) is much higher than normal, especially on curves.



Always wear clothing that makes you visible to other road users. Always use a helmet. We also recommend other protections, such as gloves, knee pads and elbow pads. Use appropriate clothing for your bicycle to prevent injuries to you and others.



Always use extreme caution when riding your Nytro Dust. Although the full suspension gives you maximum grip and rideability, jumps and high speeds over rough terrain can lead to your bicycle breaking down, resulting in safety hazards and injuries.

12. TECHNICAL SPECIFICATIONS



Pinarello reserves the right to make changes in its equipment and specifications. Therefore some information within this publication may differ from your bike.

The following lists the main assemblies and components of the Nytro Dust:

HEADSET: PressFit 1-1/8" & 1.5" Black/Laser Black MOST

HANDLEBAR: MOST DUST Black Al6061

STEM: MOST DUST Black Al6061

FORK: Rockshox Lyrik Ultimate / Rockshox 35 Silver TK

The Pinarello Nytro Dust is equipped with a front fork by RockShox, a leader in the E-MTB sector.

The Nytro Dust 3.0 is assembled with a RockShox Lyrik Ultimate fork for 29" wheel, with 150 mm travel. The Nytro Dust 2.0 version is assembled with a RockShox 35 Silver TK fork, also for 29" wheel, with 150 mm travel.

REAR SUSPENSION: RockShox Super Deluxe / RockShox Deluxe Select

The Pinarello Nytro Dust is equipped with a rear suspension by RockShox, a leader in the E-MTB sector.

The Nytro Dust 3.0 is assembled with a RockShox Super Deluxe Ultimate rear shock. The Nytro Dust 2.0 version is assembled with RockShox Deluxe Select rear shock. Both shocks, in combination with the linkage, provide a wheel travel of 150 mm.

GROUPSET: Phantom Deore 1x11 DB

CRANKSET: SM-CDE80-12-B Chainline 53mm 34T

CASSETTE: SPROCKET, CS-M5100-11, DEORE, 11-SPEED, 11-51T

BRAKES: Front Disc Brake Set BL-M4100(L), BR-MT420(F) Ad:203 L:900 Rear Disc Brake J-kit BL-M4100(R), BR-MT420(R) Ad:203 L:1700

SEATPOST: Post KS RAGEi

The Pinarello Nytro Dust is equipped with KS RAGE-i telescopic seatpost, with remote control positioned on the handlebar. For the Nytro Dust 3.0 the seatpost travel is 150 mm. For the Nytro Dust 2.0 the travel is 100 mm.

SADDLE: GND DYNAMIC WIDE MOST

13. CE DECLARATION OF CONFORMITY

Villorba, Italy, 20 January 2021

The Cicli Pinarello srl company, with legal and operating headquarters in Viale della Repubblica 12, Villorba (Treviso), Italy, in the person of Fausto Pinarello, Chairman of the Board of Directors, as legal representative expressly delegated for this purpose and under his responsibility,

DECLARES

that the following family of Pinarello bicycles:

Code	Description
158	Nytro Dust 3.0
157	Nytro Dust 2.0

CONFORMS with the following EC directives:

- 2006/42/EC – Machinery directive
- 2004/108/EC – Electromagnetic compatibility directive

and furthermore declares that in the construction of the bicycle, the company has adhered to the following technical standards:

- UNI EN ISO 4210: part 1-9. Cycles – Safety requirements for bicycles
- UNI EN 15194. Cycles – Electrically Power Assisted Cycles – EPAC Bicycles

Cicli Pinarello srl furthermore declares that the person authorised to compile the technical file is

Bellin Maurizio

Chief of Operation

Cicli Pinarello srl

Viale della Repubblica, 12

31020, Villorba (TV)

Italy

Fausto Pinarello

Chairman
Board of Directors
Cicli Pinarello srl

