



***megamo***

**User Manual**

**WEST**

[www.megamo.com](http://www.megamo.com)

**Thank you for  
your trust in  
Megamo.**

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# INTRODUCTION

This user manual contains relevant information regarding the bicycle, its proper use and maintenance.

In all cases, compliance with the indications and/or warnings specified in this manual is recommended. The consequences arising from non-compliance with these specifications are the sole responsibility of the user or their guardian.

It is recommended to consult a Megamo dealer if you do not clearly understand any of the contents of this manual or if you lack the appropriate tools.

In addition, you can also consult specific information regarding the use, maintenance and characteristics of the bicycle components corresponding to other manufacturers, through your dealer or directly on the manufacturer's website.

## LEGEND

### **WARNING**

This symbol indicates actions required to avoid a potential danger that may put the physical integrity and even the life of the user at risk, in addition to material damage.

### **ATTENTION**

This symbol indicates a dangerous situation, which can cause minor or moderate injuries if the instructions given are not followed and the necessary safety measures are not taken.

### **INFORMATION**

This symbol warns you of improper behaviors that are not related to bodily injury but can harm the environment or cause property damage.

# GUARANTEE

## LIFETIME WARRANTY

Megamo offers, for all bicycles purchased in territories with an authorized distributor, a lifetime warranty on all its frames and rigid forks. In order to be eligible for this guarantee, you must meet the conditions mentioned below.

## CONDITIONS

- Only the original purchaser (i.e. the purchaser shown on the bill of sale) of the bicycle who has registered the registration within 30 calendar days of purchase from an authorised Megamo dealer will benefit from this guarantee. Therefore, this warranty is not transferable to second and subsequent buyers, and is automatically cancelled at the time the original owner of the bike sells it to a third party.
- For the application of this guarantee, it will be essential to present the Purchase Invoice to a Megamo Authorized Partner.
- Inspections are required to be performed by a Megamo Authorized Dealer.
- This commercial warranty covers the frames, rigid forks, front triangle, linkages and full-suspension swingarm, excluding all other parts attached to the frame.
- The original purchaser shall be entitled to repair and/or replacement of the affected component. If repair is not possible, Megamo will replace the non-compliant product with another of the same characteristics. In the event that this is not possible, Megamo will deliver to the user another product of equal or superior quality and performance from among those available in the Megamo range in the year in which the warranty claim occurs.
- In the event that it is necessary to replace the non-conforming product with another of equal or superior quality and performance, these warranties shall not cover in any way the replacement or adjustment of any component installed on the original bicycle that is incompatible with the product delivered by Megamo. The cost of any type of part or accessory that is necessary for the final assembly of these accessories or installed components will be borne by the customer.
- Damages arising from negligent use or misuse of the bicycle are excluded from any request. The use of the bicycle in competition, rental or for use in commercial activities will be considered as improper use.

- The use of the bicycle with an excess of the maximum permitted weights will also be considered misuse. The following table shows the maximum weights allowed:

MAXIMUM ALLOWABLE WEIGHT (CYCLIST + EQUIPMENT + BICYCLE)	WEST = 120 KG
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- This lifetime warranty is subject to the study and decision of our Megamo technicians about the nature of the defect, who will determine, after carrying out an analysis of the bicycle, whether the nature of the defect is covered by this warranty or is excluded.

## LEGAL GUARANTEE

- Megamo warrants the original components of its products for the period established by law, in force at any time, from the date of original sale.
- In the event of any defect in conformity in relation to any of the individual components of other commercial brands that may be installed on Megamo bicycles, including electrical components, the purchaser (or the Megamo Authorized Partner if applicable) must deal directly with such manufacturers (Shimano, SRAM, Rock Shox, Fox, FSA, Mavic, Vision, DT Swiss, Suntour, etc.) or their respective distributors, the application of their corresponding guarantees. According to current law, the LEGAL WARRANTY is valid for three years\* from the date of original purchase, or failing that, the date determined by the country of purchase as the legal warranty period. Each manufacturer has its own warranty policy, which may vary in duration, but in any case they must comply with at least the LEGAL WARRANTY set at three years. For the application of this warranty, it will be essential to present the proof of purchase to an Authorized Megamo distributor.

*\*Two years if the acquisition date is before January 1, 2022*

- In the event that, for the repair or replacement of the product, it is necessary to send the product to Megamo's facilities, Megamo reserves the right to claim the costs of such transport from the user.

## EXCLUSIONS TO STATUTORY AND LIFETIME WARRANTY

- Breakages or fissures derived from negligent, improper or misuse of the bicycle. The use of the bicycle in competition, rental or for use in commercial activities will be considered as uncommon or inappropriate use.
- Fine-tuning and/or adjustment operations are excluded from the application of this guarantee.
- Problems caused by discoloration caused by overexposure to sunlight, lack of maintenance, abrasion caused by transport, contact with aggressive surfaces, or breakage resulting from accidents.
- Regular wear and tear of the perishable elements of the product. For illustrative purposes and without limitation, the following shall be considered as elements susceptible to wear:  

Tyres/Chainrings/Rims/Cups/Batteries/Tubes/Sprockets/Brake	Pads/
Spokes/Chargers/Bushings/Chains/Rotors/Nipples/E-Bike	Electrical
Components/Bearings/Cores/Tapes/Grips/Hubs	
- Improper handling and maintenance operations by the user or by any third party on behalf of the user.
- Assembly of other elements or accessories not original to those supplied or assembled by the manufacturer.
- Personal and/or material damage that may arise directly or indirectly from the regular use of the bicycle is also excluded.

## BEFORE FIRST USE

- ⚠ It is essential to carry out the following checks and adjustments, and to carry out an adaptation process before using the bike for the first time.
- ⓘ The following guidelines are also applicable to cases where you are about to use a bicycle whose condition is unknown.
- ℹ Ergonomic adjustments affect the control, comfort and performance of the bike-bike system. Its correct fit can vary significantly in the increase or reduction of safety and enjoyment in a relevant way.

The following adjustment indications consist of a series of basic notions that seek to cover the minimum essential in this aspect.

For more information on this, consult an official Megamo dealer or a biomechanical specialist.

## SIZE CHECK

Choosing a suitable bike size for the cyclist is essential for maximum comfort, performance and safety when cycling.

To this end, on the [megamo.com](https://www.megamo.com) website, within each bicycle model and taking into account some basic data of the cyclist, the most appropriate size is recommended according to the measurements of each user.

<https://www.megamo.com/es>

If you want to get the maximum performance when fitting on the bike, it is recommended to perform a complete bikefitting with experts in the field.

## FUNCTION VERIFICATION

Adjust and verify the following aspects to ensure greater performance, comfort and safety:

- Inflation pressures:

The perfect pressure depends on several factors such as the rider's weight, tire volume, terrain type, tire reinforcement, riding style, and rim width.

The following table is available for recommended chamber pressures:

	Internal width	27mm-28mm			30mm-32mm		
	Pneumatic Size	40c	45c	50c	40c	45c	50c
Weight (rider + equipment)	Less than 60 kg	2.4 bar	2 bar	1.8 bar	2.3 bar	2 bar	1.7 bar
	60 to 70 kg	2.6 bar	2.2 bar	2 bar	2.5 bar	2.1 bar	1.9 bar
	70 to 80 kg	2.7 bar	2.3 bar	2.1 bar	2.6 bar	2.2 bar	2 bar
	80 to 90 kg	2.8 bar	2.4 bar	2.2 bar	2.7 bar	2.3 bar	2.1 bar
	More than 90 kg	3.1 bar	2.7 bar	2.5 bar	3 bar	2.6 bar	2.4 bar

- Check the gear change:

Check that all possible speeds are working well before the first use. Otherwise, it will not be possible to adapt the gear ratio to the speed required at each moment of the training and we will also damage the transmission components.

- Verify the centering and fixing of the wheels:

Make sure that the wheel axles are correctly fixed and that when the wheel rolls there is no chafing.

- Check the pedals:

Check that the pedals are completely tightened.

As supplementary information, the pedals are always squeezed in the direction of pedaling. That is, the left pedal is pressed counterclockwise and loosened clockwise. While the right pedal is tightened clockwise and loosened counterclockwise.

- Optimal saddle height:

It is advisable to carry out a biomechanical study to perfectly adjust all the elements of the bicycle.

However, to adjust the saddle on our own, we can use the Lemond method. It consists of standing up, and measuring the distance from the ground to our crotch.

Once we get the measurement of our inseam, the result is multiplied by 0.885. Finally, the value obtained from this formula corresponds to the distance that must be between the crank axle and the center of the saddle.



# RECOMMENDATIONS FOR USE

The Megamo **WEST** bike is exclusively suitable for use on firm roads and roads with tarred or paved surfaces, as well as unpaved roads and forest tracks. It is intended for use, for example, for high-effort sports and competition.

This bike is not intended for use on rough terrain or for jumping, slides, ladder or off-road use, or cyclocross riding.

Before using the Megamo **WEST** bike on public roads, you must equip it with the prescribed devices (lighting, bell).

- ⚠ The use of trailers, child seats is not allowed on this Megamo bike. Please note that Megamo does not assume any responsibility or warranty for the use of trailers or child seats.

## COVERS

The Megamo **WEST** bike allows wheels up to **50 mm** wide, mounting about **700c-50c from the factory**.

- ⚠ Megamo warranty conditions do not cover damage to the frame or components caused by the use of out-of-bounds covers.

## SEATPOST INSERTION

At all times it is important to respect the minimum indicated insertion of the seatpost in the frame.

- ⚠ The frame materials or the seatpost itself may experience stresses greater than the conditions for which they were designed. Any fracture resulting from non-compliance with the minimum insertion of the seatpost is excluded from warranty coverage.

It is important to choose the right size to avoid exceeding these limits.



## ADDRESS SPACERS

The maximum number of spacers is **40 mm**.

- ⚠ Using more address spacers than allowed can result in more stress on materials and components. The warranty does not cover damage caused by non-compliance with these indications.

It is important to choose the right size to avoid exceeding these limits.



## WEIGHT

Total weight is considered to be the sum of the weight of the bicycle itself and the cyclist with all his possible luggage and accessories. The result of this sum cannot exceed 120 kg in this carbon version in any case.

- ⚠ The warranty does not cover damage resulting from the use of the bicycle with a total weight that exceeds the maximum amount allowed.

## DOWN TUBE TOOL BOX

- Insert the tool bag into the compartment, making sure that it is securely secured and does not protrude around any edges.
- Open the lid latch completely.
- Insert the lid tab into the opening of the down tube of the Megamo West.
- Start snapping all sides of the lid together with the edge of the down tube tool box, making sure they are fully seated.
- Finally, press the lid into the frame and close the latch all the way down.
- ℹ If you are using a bottle cage, you must screw the screws of the bottle cage directly onto the compartment lid, respecting the recommended tightening torque of 3 Nm. Once mounted, make sure that your bottle cage is compatible with the down tube tool box and that it does not interfere with the latch or any other element of the system.
- ⚠ With use and over time, dirt and debris can accumulate between the tool box gate

and the frame. It is advisable to periodically clean these surfaces, to avoid damaging the frame. Megamo is not responsible for damage caused by improper maintenance of the down I had tool box.



## LUGGAGE RACK

The Megamo West has up to 14 anchor points for bikepacking equipment, distributed in the fork, top tube, down tube and rear triangle.

- i** Rack anchors have a recommended maximum tightening torque of 5 Nm.
- i** The maximum recommended load for the anchor points is up to 4 kg at the fork, 2 kg at the top and down tube, and up to 8 kg at the rear triangle.
- ⚠** Exceeding the torque or maximum load may damage the frame and void the warranty.
- ⚠** It is advisable to check the screws periodically during long trips.



## IN CASE OF IMPACTS OR FALLS

After a crash or impact with your Megamo, first of all, you need to ensure your own well-being and that of the potential people or animals involved in the accident.

**i** A fall can prevent your bike from working properly and this can cause future damage if not checked properly. After a fall, you may not be able to use the bike again immediately. For this reason, you should perform the following checks.

First, check the frame and components for cracks or bends.

It is difficult to assess the degree of deterioration of a part as it is not always visible from the outside. If you suspect damage, you can always consult your Megamo dealer or a qualified bicycle mechanic.

### Wheels and tires

Check the wheels. They must be firmly attached to the wheel mounts by the quick release lever or bolts and must be in the center of the front wheel fork and rear triangle. They must rotate freely and function properly. Check that the tyres and in particular the carcass are not damaged.

### Handlebars and stem

Check that the handlebars and stem are not damaged. Make sure the handlebars and stem can't be rotated in opposite directions. If the components can be rotated in opposite directions, tighten the screws with a torque wrench (see "Recommended torques").

### Picture

Check that the box is not damaged. If the frame is cracked or deformed, contact your authorized Megamo dealer.

### Transmission

Check that the chain is on the front chainring and rear cassette. If the bike has fallen on the side of the derailleur, damage may have occurred. Try shifting gears and make sure that the rear derailleur and/or dropout, which may be bent, are not too close to the spokes of the rear wheel.

**⚠** If the rear derailleur is bent towards the spokes, you are at risk of falling. Do not use the bike in that state and contact your dealer.

### Other checks

- Make sure that the saddle has not been rotated as a result of the fall. It should be aligned with the top tube.

- Check for loose screws or components.
- Operate the brake levers to make sure the brakes are working properly.
- ⚠ Use the bicycle only when you have checked that it is not damaged and that it is working properly. Avoid putting stress on your bike for the rest of the ride, for example, don't brake abruptly or get out of the saddle. If you don't want to take any chances, complete the journey using another means of transport.
- ⚠ If you encounter any problems, stop using the bike immediately. Even if you don't find any visible damage, pay attention to any unusual noises that may indicate a problem.
- ⚠ If you have doubts about the condition of your bike after a crash, take it to a Megamo dealer for a professional checkup. Hidden damage can be dangerous and can cause sudden failure and loss of control. It is crucial to keep your bike in good condition to avoid serious injury or even death.

# USING THE ELECTRONIC SHIFTING SYSTEM

The Megamo **WEST bicycle** incorporates the latest technologies in electronic shifting systems. It is highly recommended to pay attention to the recommendations for the use of these systems to ensure their correct operation and durability, as well as to make the most of their potential.

**i** This section only applies to Megamo WEST mounts with an electronic shift system.

## SHAKE AXE

### Battery charging

The Sram AXS electronic shifting system uses removable batteries, which are charged individually using the dedicated charger following the following procedure:

- Remove the battery cover.



- Install the battery in the charger. The LED on the charger will glow yellow during charging, and green when the battery is fully charged.



- Press the release button to remove the battery from the charger.



- ⚠ The levers of the Sram AXS electronic shift system are powered by a CR2032 button battery and are not rechargeable. Once the battery runs out, the lever stops working and therefore it is not possible to use the bicycle gearbox. The battery life depends on the use of each user, but it is usually around a year of autonomy. It is highly recommended to always carry a spare battery with you to avoid major problems.

## Battery Installation

The Sram AXS electronic shifting system for gravel bikes uses a single battery for the rear derailleur.

- Open the battery latch and remove the battery block.



- ⓘ Do not discard battery covers (A) or component battery blocks (B).

To prevent the battery from discharging during transport, remove it and install the derailleur battery block and battery cover.



- ⚠ If you expose the battery terminals and the derailleur, the terminals could be damaged.
- Insert the fully charged Sram battery into the derailleur/derailleur and close the clamping latch.



## System Pairing

- i** Megamo bikes with Sram AXS electronic shifting system now leave the factory with the paired system. However, it is recommended to consult the pairing recommendations to know what to do in case of unlinking the system during use.

Every AXS system has a main component that starts and ends the pairing session. Each SRAM AXS component must be paired with the rear derailleur, which is the main component. Pairing allows each component to communicate with the system when a gear shift command is transmitted.

- Start the pairing session with the rear derailleur. Press and hold the AXS button until the green LED flashes slowly and then release.
- i** The matchmaking session will end after 30 seconds of inactivity.



- Press and hold the AXS button on the shift lever until the green LED flashes rapidly, then release. Repeat the procedure on the other handle.



- To end the pairing session, press and release the AXS button on the rear derailleur, or wait 30 seconds for the session to end automatically. The green LED will stop flashing.



## Sram AXS App

Sram has the SRAM AXS app available for free, to add the components of the bike and customize the user experience.

Using the app, you can also do the following:

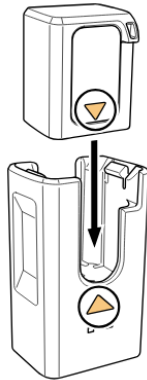
- Connect your components via Bluetooth with the SRAM AXS app.
- Create and customize multiple bike profiles.
- To control the performance and correct condition of the bicycle.
- Customise the behaviour of the components to suit your riding style.
- Assign custom actions to controls.

# SHIMANO DI2

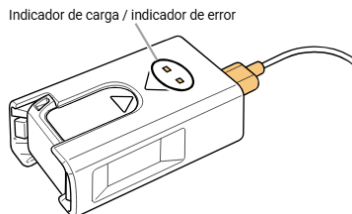
## Battery charging

The Shimano DI2 electronic shifting system uses removable batteries, which are charged individually using the dedicated charger following the following procedure:

- Install the battery in the battery charger. Insert the battery with the  $\Delta$  mark on the battery charger aligned with the  $\Delta$  mark on the battery. Then push it firmly until it clicks.

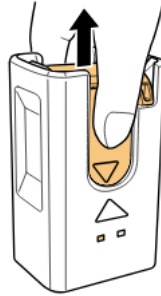


- Plug the USB cable into the USB port of the battery charger. Once charging has started, the charging indicator (orange) will light up.



- i** If the error indicator flashes and the charging indicator does not light up, the product is not charging. See "[When Upload Can't Be Performed.](#)"
  - i** The error indicator will turn off after 1 hour.
  - i** The charging time is now approximately 1. (Please note that the actual charging time will vary depending on the remaining battery level.) Depending on the AC adapter specifications or the ambient temperature, the charging time may be longer.
- When the charging indicator (orange) turns off, charging is complete. Remove the

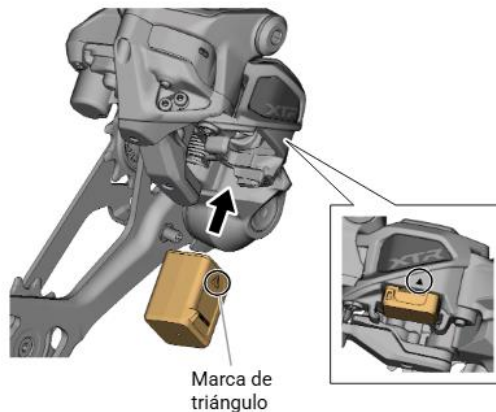
battery from the battery charger as shown in the illustration.



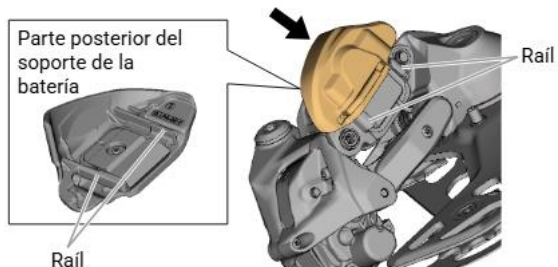
- Disconnect the USB cable and store it in the place specified in the precautions.
- ⚠ The Shimano DI2 electronic shifting system levers are powered by a CR1632 battery and are not rechargeable. Once the battery runs out, the lever stops working and therefore it is not possible to use the bicycle gearbox. The battery life depends on the use of each user, but it is usually around three years of autonomy. It is highly recommended to always carry a spare battery with you to avoid major problems.

The Shimano DI2 electronic shifting system for gravel bikes uses a battery in the rear derailleur.

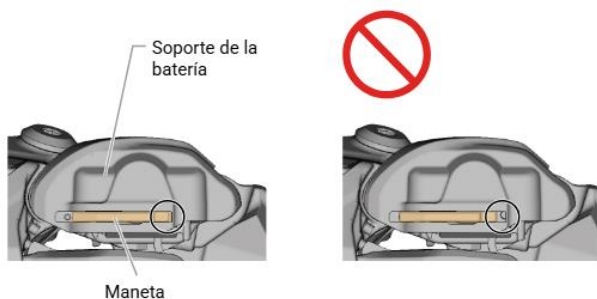
- Install the battery on the rear derailleur, with the triangle marking facing outwards, as shown in the illustration.



- Install the battery holder. Align the rails of the battery holder and rear derailleur and slide the bracket into it. Then push it firmly until it clicks.

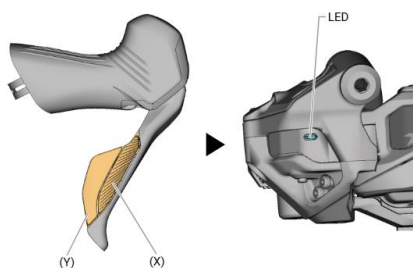


- ⚠ After installing the battery holder, check the position of the lever.

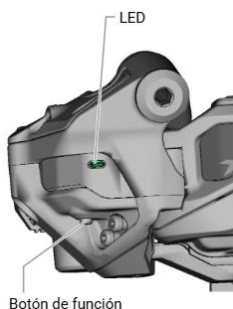


## System Rigging

- ℹ Megamo bikes with Shimano DI2 electronic shifting system already leave the factory with the paired system. However, it is recommended that you consult the pairing recommendations to know what to do in case of unlinking the system during use.
- Press and hold (X) and (Y) on the shift button at the same time until the rear derailleur LED lights up solid blue.
- ℹ If you are using the RD-M9260, RD-M8260 or RD-M6260, turn on the E-BIKE first.



- Press and hold (X) and (Y) on the shift button at the same time, then remove your fingers after confirming that the rear derailleur LED is rapidly flashing blue, and then light up solid blue again.
- Press the rear derailleur function button. When the LED flashes green multiple times, it means that the pairing is complete. After pairing, turn on the shift button to confirm that the rear derailleur is working properly.



- i** The correct pairing can be verified with the E-TUBE PROJECT CYCLIST app. All paired components will appear below the transmission derailleur.
- i** You can download the E-TUBE PROJECT CYCLIST app at the following link:  
[Shimano E-TUBE PROJECT CYCLIST APP](#)
- i** If any components do not respond, repeat the pairing process.
- i** There is no need to repeat the pairing process when removing and/or replacing a battery. The pairing process must be repeated if any components are replaced, added, or removed.
- i** You can check all the information about the Shimano DI2 drivetrain in the manufacturer's manuals:

[Shimano Manuals](#)

## BIKE MAINTENANCE AND CARE

Megamo will deliver your bike ready to use, but it is important that you carry out regular checks and maintenance at your Megamo specialist establishment, to ensure the smooth long-term operation of all components. In addition to periodic maintenance to ensure proper operation, extend lifespan and maintain safety during use.

- ❏ It is recommended to perform the first check-up after you have traveled about 250 kilometers, after 10 hours of use, after a period of four to six weeks or in a maximum of three months. During the first phase of using the bike, it is normal for the spokes to be adjusted and for the gearbox to be misadjusted, so it is important not to postpone the first service at the specialized Megamo establishment. This will ensure the smooth functioning of the components and improve the life of your bike.

## CLEANING

Spray the entire bike with low-pressure water and then clean it with a sponge with mild soap, rinse.

Use a clean microfibre cloth to carefully dry the bike and all its components.

- ⚠ Do not store the bicycle wet as it can cause rust.



## ROUTINE MAINTENANCE

Routine inspections and maintenance are important to ensure that the bike is in optimal condition before each ride. Doing so will allow us to detect the problems present on the bike, whether due to wear or a blow.

PARTS	USE AND MAINTENANCE	PRODUCTS	UNDER WARRANTY
<b>Wheels</b>	Check the quick fasteners before use (in the closed position). Verify that the wheels do not experience chafing throughout the rotation that they do in a centered manner. Inspect the tire for fractures or cracks and make sure there are no broken or loose spokes. Check the correct condition of the bearings by pulling the wheel sideways to verify that there is no lateral play.	Clean the rim with soap and water. Grease the wheel axles with petroleum jelly oil spray.	Axle or bushing that locks.  Deformed rim.
<b>Pine nuts</b>	Always clean. Never grease the sprockets and do between the wheel axle and the freewheel body.	Vaseline oil spray.	Freewheel body breakage. Manufacturer's defect.
<b>Chain</b>	Degrease and lubricate after each use. Lubricate the day before use, if possible, to avoid excessive adherence of dirt.	In wet soil: Vaseline oil. On dry ground: Silicone spray.	Manufacturer's defect.
<b>Saddle and seatpost</b>	Oiled every six months.	Grease.	Saddle frame break. Seat post break.
<b>Picture</b>	After each accident or strong blow, it is necessary to carry out a review of the condition. Keep in mind that there are indications of damage such as dents or fissures that only an expert can assess whether they are structural damage or not.	Clean with water and dry with a clean cloth.	Weld break in: Tube joint. Fork union. Brake support. Derailleur covers. Saddle neck. Crack in welding (no trace of blows).
<b>Tyres</b>	Inflate to the appropriate pressure (section BEFORE FIRST USE). In addition, check that there are no punctures and that the tyre wear is not excessive.	Air pump with an appropriate mouth	Tread break.  Rigid bar breakage.
<b>Brakes</b>	Check that the brakes are working properly and that the pads or discs have not been consumed.		

<b>Bottom bracket Set</b>	All bottom bracket and bottom bracket operations require the use of specific professional tools. In case of disassembly, re-grease the bottom bracket before screwing on the cranks or cranks. Adjust the pedals correctly, the right (R) in place and the left (L) into yours without ever forcing them together.	Spray lubricant for the bottom bracket set.  Thick crank grease.	Breakage of reinforcements. Clean break of crank or connecting rod. Axle lock or bottom bracket set.
<b>Headset</b>	Check that there are no strange noises in the rotation of the headset, or any type of play when shaking the bike by the handlebars.	Thick grease for headset.	

## Component maintenance periods

**i** The maintenance periods of the components are purely indicative, as they depend on several factors such as riding style, weekly hours of use, weather conditions and cleaning and maintenance.

- **HEADSET**

Disassemble and inspect the bearings every 6 months of use.

- **BOTTOM BRACKET**

Disassemble and inspect the bearings every 6 months of use.

- **TRANSMISSION**

Inspect the chain wear every 500km. Using the bike with a worn chain will cause wear and replacement of the other transmission components.

- **WHEELS**

Disassemble and inspect bearings and all components every 6 months.

- **CABLES AND SHEATHS**

Replace cables and sheaths annually.

- **BRAKES**

Check the wear of the brake pads every 2 months.

Check the wear of the brake discs annually.

Purge hydraulic lines every 6 months.

# BIKE PARTS

## THRU-AXLES

Every time you go to use your Megamo bike you must first check that all the thru-axles are properly tightened. Handle thru-axles with the utmost care, as your safety depends directly on them.

Thru-axles of wheels essentially consist of two elements:

- A. The shaft itself with the hole for allen key
- B. The tightening nut on the opposite side of the hub, which adjusts the preload on a threaded rod.



Procedure for the correct fixing of the thru-axle:

1. We start the process with the wheel removed from the bike.
2. Align the fork holes with the wheel hole.
3. Insert the thru-axle through the hole on the left side of the fork, the wheel hole and finally the one on the right side of the fork, in that order.
4. Gently thread the thru-axle with a 6mm allen key. If it is difficult to thread, check the shaft and try again, it should be threaded easily.
5. Finally, finish tightening well with the Allen key, never exceeding 10 Nm.

**⚠** Always check the fastening of the wheels before leaving. If the thru-axles are not properly closed, there is a danger that the wheels may come loose.

## BRAKE SYSTEM

Brakes are an essential tool for adapting driving speed to terrain and traffic conditions.

It is important to familiarize yourself with your bike's braking system before using it for the first time and to practice braking on different types of terrain and in traffic-free areas.

Any problems with the adjustment, maintenance, or use of the brakes can lead to loss of control of the bike and potentially serious consequences. If you have doubts about the adjustment of the brakes or suspect a problem, do not use the bike and take it to an authorized dealer.

It is recommended that the brake adjustment be carried out by an authorized dealer due to the need for knowledge, experience and special materials. Also, make sure to only use brake levers that are compatible with your brake, such as those that come with the original bike.

### Hydraulic disc brakes

In hydraulic disc brakes, the pads act on a disc that is positioned and engaged on the reel.

The brake system is made up of:

- Brake lever/brake fluid reservoir
  - Hydraulic Sheath
  - Brake pads
  - Brake disc
- !** Disc brake fluid is very corrosive. Avoid contact with skin or the bicycle.
- !** Disc brakes can reach high temperatures during operation and cause severe burns when touched.
- i** If the brake lever is operated when the disc or wheel is not mounted, the pistons of the brake caliper may be closed, making it impossible to reassemble the disc or wheel.

## Revision

Before using the bike, firmly operate the brake levers. The levers should not come into contact with the handlebars, otherwise it would be an indication that the system needs to be bled. It is recommended to leave this task to your authorized Megamo dealer, as specific material and knowledge are required.

Check that there is no oil, grease or other dirt on the disc. The disc is an essential part of the braking system, so it must be kept clean. Remove the brake pads from the calipers when cleaning. Do not use cleaners, degreasers, or solvents to clean the disc. Use rubbing alcohol.

- ⚠ Once a month check that the disc brakes are not worn. If the brake pads are less than 1mm thick, they must be changed. Also check that the pads are in a correct position, at a distance of between 0.25 and 0.75mm from the disc when the brakes are not applied. Turn the wheel, when the levers are not pressed, the pickups should touch the discs as little as possible.
- ⚠ Check that there is no kinking or leakage in the hydraulic sheaths. Replace any hydraulic parts that do not pass the review. This replacement requires specific knowledge and tools and must be carried out by your authorized dealer.
- Align the brake caliper with the disc.

Loosen the bolts that hold the caliper to the frame.

Operate the brake lever and tighten the bolts again gradually without releasing the lever.

- Disassemble the brake pads.

Disassemble the wheel.

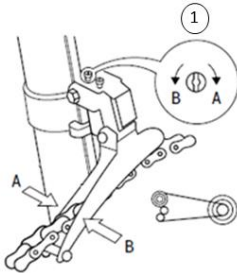
Remove the safety pin and then remove the pills.

## DERAILLEURING ADJUSTMENT

To keep the gearbox in perfect condition, it is necessary to adjust it periodically according to the following instructions:

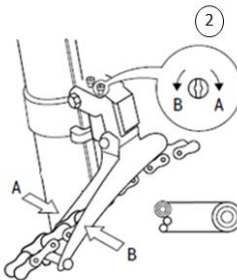
- Inner stop adjustment screw (1) \*location depends on the change model.

(A) Internal diverter alignment



- Outer stop adjustment screw (2) \*location depends on the change model.

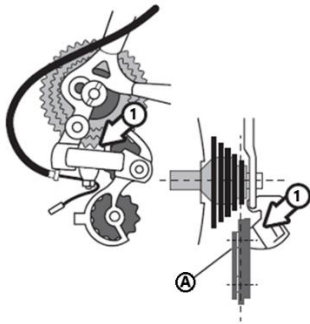
(B) Alignment top shift roller



- Position the chain, derailleur and derailleurs so that the chain is located on the small front chainring and the larger sprocket.
- Tighten screw 1 until the chain is as close as possible to the inside of the derailleur inside, without rubbing when turning the cranks.
- Position the chain, derailleur and derailleurs so that the chain is located on the large front chainring and the smaller sprocket.

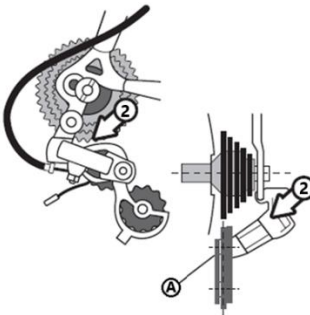
- Tighten bolt 2 until the chain is as close as possible to the outside of the inside of the derailleur, without rubbing when turning the cranks.
- To check that the derailleur works correctly on all chainrings and sprockets, ride the bicycle by operating the gear and derailleur controls to ensure that the derailleur works properly.
- For the adjustment of the rear derailleur it has two adjustment screws, the process to follow is very similar to that of the derailleur.
  - Outer stop adjustment screw (1) \*location depends on the change model.

(A) Alignment top shift roller

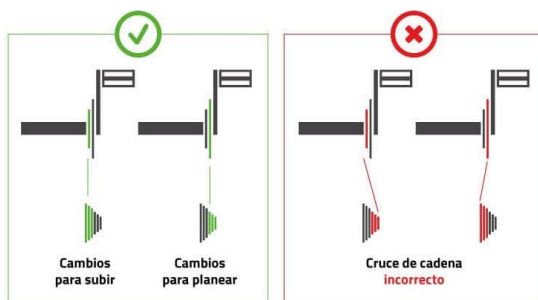


- Inner stop adjustment screw (2) \*location depends on the change model.

(A) Alignment top shift roller



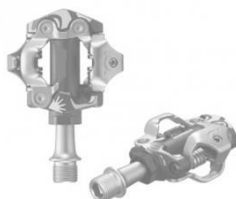
- Place the upper gear roller in the same line as the smaller sprocket using the adjustment screw 1.
- Place the upper gear roller in the same line as the larger sprocket, using the adjustment screw 2.
- When riding the bike, check that the chain engages well on all sprockets by pressing the gear knobs on the right side of the handlebars.
- ⚠ If the chain makes noise in the intermediate positions or does not change sprockets correctly, adjust the right gear knob regulator until a perfect fit is achieved.
- ⚠ It is recommended to match the chainrings and sprockets as follows to ensure optimal operation and extend the life of the drive group components.



## PEDALS

The pedals are marked on their axle with an "R" indicating right, and with an "L" indicating left. Make sure the pedals are mounted on the correct side and fit perfectly with a vigorous lock.

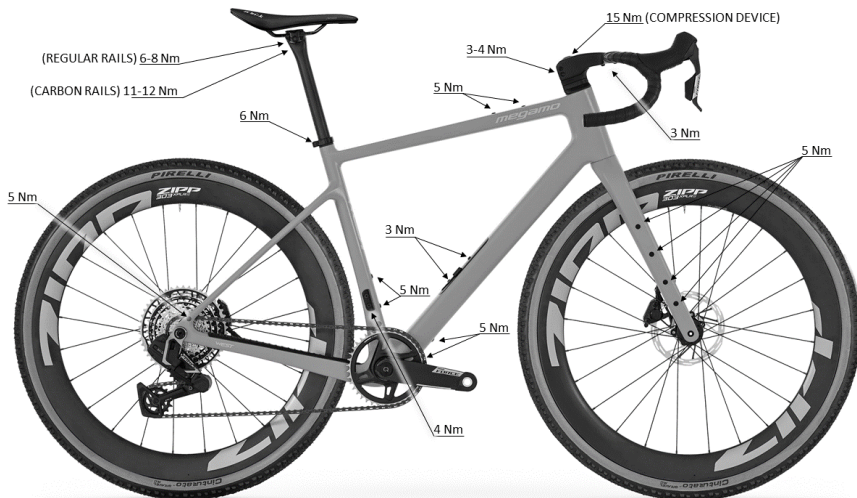
- ⓘ As supplementary information, the pedals are always squeezed in the direction of pedaling. That is, the left pedal is pressed counterclockwise and loosened clockwise. While the right pedal is tightened clockwise and loosened counterclockwise.



## TIGHTENING TORQUES

Below is a diagram of the bike where the main tightening points and their recommended torque in Nm are located.

- ⚠ It is important to respect the recommended tightening torques at all times, as failure to do so may result in cracking of bicycle elements or failure to allow proper operation or guarantee the safety of the user.



- i** The brake caliper anchor screws on the fork and rear triangle are tightened to 4-6 Nm.
- i** The anchor screw on the derailleur leg is tightened to 1 Nm.
- i** Please note that, due to the variety of construction materials, hardware and components used in Megamo bicycles, it is important that any type of adjustment or modification is made respecting the indicated torque. If you need to make any kind of adjustment or modification to your bike and you are not sure how to apply the torque indicated, please contact your dealer.
- ⚠ Due to the wide variety of parts available on the market, we cannot guarantee the compatibility, torque, etc. of additional parts or spare parts installed by third parties. It is the responsibility of the person who performs the assembly or modification of the Megamo bike to ensure that it is done in accordance with current technological standards.


# RECOMMENDATIONS

- To ride a bicycle safely, it is recommended to wear a helmet and protective and signalling elements.
- The product and its use must comply with the legislation in force.
- When driving in the rain or on wet roads, there is less visibility and grip and the braking distance is greater, hence the user has to adapt the speed and anticipate braking.
- The user should check the good condition of wear parts such as rims, brakes, tires, steering and transmission before any use and should be monitored, maintained and repaired by a professional mechanic.

 The use of clipless pedals is delicate and requires a period of adaptation.

Hook and unhook the shoes on the pedals before starting the journey, to check that they are working correctly and get practice.

The interface between the cleat and pedal can be affected by a variety of factors such as dust, mud, lubrication, spring tension, and wear.

 The use of an aerodynamic or any other type of extension above the handlebars can affect the rider's response time during braking or cornering.

- Inflate the tyres to the correct pressure, respecting the pressure range indicated by the manufacturer on the side of the tyre, as puncture resistance will depend on this.

Install the tire in the direction indicated on the sidewall (the arrow indicating the direction of rotation).

- The user must comply with the applicable national legislation when using the bicycle on public roads (e.g. lighting and signage).

## ADDITIONAL INFORMATION

You will find up-to-date information on bike models, technical and commercial specifications on the official Megamo website:

<https://www.megamo.com/>

You can also follow us on our social networks to keep up to date with all the news:



@megamo\_bicycles



megamobicycles



Megamo Bicycles

## AFTER-SALES SERVICE

Despite all the care we put into the manufacture of our bikes, if a defect appears or if a repair is necessary, always take the defective product and warranty card to your official Megamo dealer.

A list of distribution points can be found at:

<https://www.megamo.com/es/distribuidores>

# DECLARATION OF CONFORMITY



**Company Name:**  
T.N.T CYCLES, S.L.

NIF: B-17267758

Mosquerola, N° 61 – Nave 2ª

**Description:**

**Brand:** Megamo

**Model No.:** WEST

**Year of construction:** 2025

**Cycle:**

The cycle complies with all the applicable provisions of Royal Decree 339/2014 and is in accordance with the European Union regulations that apply to it.

**Standards:**

Designed and manufactured in accordance with EN 15194

**Production Control System:**

According to the protocol established in 2013 of the production and quality control system, the product complies with the requirements set forth therein.

**Place and date of the declaration of conformity:**

Vilablareix – Girona – Spain 29/11/2024

**Identification:**

**Josep Gil Roma**

Manager

