MEGAWATT

BIKE MANUAL

NUKEPROOF

CONGRATULATIONS!

CONGRATULATIONS ON YOUR MEGAWATT PURCHASE AND WELCOME TO THE NUKEPROOF FAMILY!

Getting you back to the top faster to enjoy the descents again and again (and again). We hope you enjoy the ride!

This manual will help you get familiar with your Megawatt, its Shimano STEPS EP8 system and a helpful resource for maintaining and setting up your bike. Please read this manual carefully to help look after and enjoy your Megawatt to its fullest. If there is any doubts or queries with the set-up, use or maintenance of your Megawatt, please consult with an authorised dealer. Full dealer listing can be found at NUKEPROOF.COM

Please ensure you read the General Bike Manual as well before use.

CONTENTS

SECTION 1 - UNBOXING YOUR BIKE

For mail order customers your new Megawatt will be delivered in a specifically designed bike box, the type and size of box will vary from retailer to retailer. The bike will come with a number of spares, Nukeproof provides tubeless valves, reflectors, SW300 tool, additional items will depend on the dealer you have purchased the bike from. Some Nukeproof dealers will provide pedals and basic tools with the bike on delivery, typically a pedal spanner and Allen Key set.

PACKAGING ON ARRIVAL

1. Bike will arrive in large carboard box, box size will depend on retailer purchased from

2. Open end of box carefully, remove parts box and battery box and set aside, please note battery is heavy and dealer may have installed it before shipping

3. Remove cardboard front wheel support from box, this will now allow you to remove the bike

4. Carefully pull bike out of box, we would advise help at this point from another person to hold the box. If your dealer has stapled the box, please ensure they are removed to prevent paint damage

5. The bike will be carefully wrapped before shipping to prevent any damage in transit. If any damage is found, report directly to your dealer

6. Carefully remove protective wrapping, please dispose of appropriately and recycle where possible

BOX CONTENT

1. Parts content will vary with dealer, but at a minimum you will get tubeless valves, Shimano STEPS charger, BTE80 adaptor, EW300 tool, reflectors, bell, third party component manuals, basic tools, fork tokens depending on the make and model of fork and spare cable-ties for cabling

2. Basic tools for assembling bike, pedals and tools supplied are at the discretion of the dealer

3. The BTE80 adaptor is needed to charge the battery when removed from the bike

4. The EW300 tool is needed to fit the Shimano SD50 cables to the display when fitting the handlebars, this is shown in the assembly guide

5. The Shimano STEPS charger is supplied with plugs to suit the country the bike is purchased in or delivered to

SECTION 2 - ASSEMBLING YOUR BIKE

This section details how to get your bike ready for setting up and riding out of the box, this will be relevant for mail order bikes, generally the following will be done already if purchased and collected through a local authorised Nukeproof dealer.

FIT BARS

1. Unscrew face plate bolts from stem with a 4mm Allen Key, remove stem face plate and bolts, set aside safely for installing later

2. Place bars to stem, using the set-up lines to position the bars centrally. Ensure cables and brake lines are not tangled at this point

3. Tighten the face plate bolts to the stem with a 4mm Allen Key, start with the top bolts and move to the bottom bolts. Ensure bolt torque is evenly spread around all four bolts before fully tightening. Reference the torque details on the stem

4. Two SD50 wires need to be installed to the display on the handlebars. Place the SD50 wire in the EW300 tool, ensure the wire is seated correctly in the EW300 tool to ensure correct fitting

5. Push the SD50 wire into the display socket until there is a noticeable seating click

6. Repeat install with 2nd SD50 wire

7. You can adjust the roll of the bars back or forward at this point to your personal preference. Ensure the bars are still centered when adjusting and use the markings on the bars to help

ADJUST CONTROLS

Once you have adjusted the roll of your bars, the controls can be changed to suit rider preference.

1. The angles of the brakes, gear shifter, dropper lever, Shimano STEPS display and mode selector can be changed

2. The controls can be moved laterally along the bars as well to suit rider preference and suit the position of your hands

FIT PEDALS

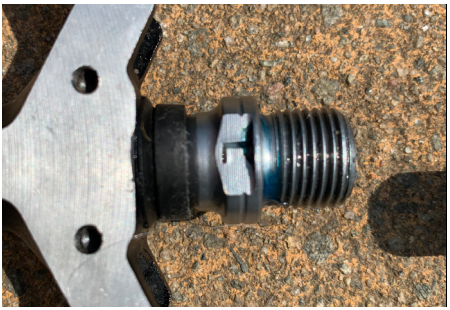
All Nukeproof pedals are standard 9/16 x 20BSA threading so are compatible with all modern cranks.

Tools Required
8mm Hex Key (All pedals) Or 15mm Spanner (Alloy pedals only)
Torque Wrench
Grease

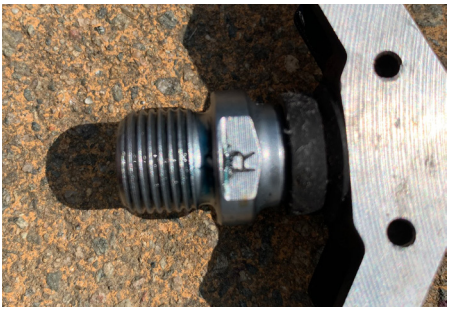
How to determine the difference between the left and right pedal

This step is very important, failure to install the pedals on the correct side of the bike will cause irreparable damage your crank and pedal.

Alloy pedals
Alloy pedal axles are marked “L” indicating the left pedal (non-driveside) and “R” indicating the right pedal (drive-side).



Left Pedal



Right Pedal

Plastic Pedals
Plastic pedal bodies have an “L” moulded in the body indicating the left pedal (non-driveside) and “R” moulded indicating the right pedal (driveside).

The axles are also different, the left axle has a ring indented around the lip of the axle whereas the right does not.

Left Pedal

Right Pedal

Left Axle

Right Axle

FITTING

1. Check the threads on your crankarm are clean and have no damage.

2. Take your RIGHT pedal and grease the axle.

3. Line the pedal up to the driveside crank, place your 8mm hex key through the driveside crank and into the back of the pedal axle. Start to turn the hex key in a clockwise direction (as you look at the crank towards the handlebars). There should be no resistance as you turn the hex key, if there is resistance STOP immediately and check you are fitting the correct pedal and the threads are correctly aligned between the axle and crank. Do not force the pedal into the crank.

4. Take your LEFT pedal and grease the axle.

5. Line the pedal up to the non-driveside crank, place your 8mm hex key through the non-driveside crank and into the back of the pedal axle. Start to turn the hex key in a anticlockwise direction (as you look at the crank towards the handlebars). There should be no resistance as you turn the hex key, if there is resistance STOP immediately and check you are fitting the correct pedal and the threads are correctly aligned between the axle and crank. Do not force the pedal into the crank.

6. With both pedals now on the crank arms, tighten to 30Nm with a torque wrench.

Your pedals are now fitted and safe to ride.

ADJUST SADDLE HEIGHT

1. To adjust the height of the saddle, loosen the seat clamp bolt with a 5mm Allen Key, once height is adjusted, retighten

2. To get a starting point for your saddle height, stand beside your bike and adjust the height to your hip bone

3. Sit on the bike with assistance from another person or leaning against a secure structure. Pedal to the 6 o'clock position to identify if the saddle height is suitable and you can begin to adjust to suit your preference

4. Do not exceed the minimum insertion depth marked on the post

ADJUST SADDLE ANGLE

1. The saddle angle can be adjusted by loosening and tightening the saddle rail clamp bolts with a 5mm Allen Key. Saddle angle is personal preference and subjective to each rider. Good starting point is to have the saddle at horizontal and adjust as you spend more time on your bike

2. To lower the nose of the saddle, loosen the rear bolt and tighten the front bolt. To raise the nose of the saddle, loosen the front bolt and tighten the rear bolt. Please ensure both bolts are tight once adjustment has been made. Please ensure the bolts are not loosened too much as the clamp parts may become unseated and fall out.

ADJUST SADDLE POSITION

The saddle can be moved forward and backwards to suit the rider preference. To adjust the saddle position the two clamp bolts need loosened. Start in the middle of the adjustment range and with time on the bike move forward or backwards to suit.

3. Ensure the saddle stays within the adjustment range of the rails to avoid damage

ADJUSTING STEM HEIGHT

The stem height can be made higher or lower to suit rider preference. The headset spacers can be placed below or above the stem. Do not add too many additional spacers under the stem, as both stem bolts must be clamping fork steerer. If you are unsure on this process, please consult with your authorised Nukeproof dealer to complete the work.

1. Loosen and remove top cap bolt and cover with a 5mm Allen Key.

2. Loosen both stem steerer clamp bolts with a 4mm Allen Key

3. Remove stem and place spacers to your preference, in this example two below the stem to raise height. Both spacers can be placed above the stem to lower height as well.

4. Install stem to steerer, replace top cap and bolt and tighten with 5mm Allen Key. If steering becomes stiff, top cap bolt is overtightened.

5. Straighten stem and retighten stem steerer clamp bolts with a 4mm Allen key.

CONVERT TO TUBELESS

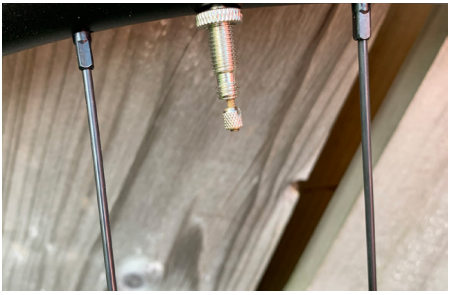
All of our adult complete bike's are supplied with tubeless tape installed, tubeless valves and tubeless compatible tyres to make tubeless conversation fast and simple. This guide will take you through the steps to make your bike tubeless.

Items Required

- Tubeless pump
- Tubeless Sealant
- Tubeless valves
- Tools to remove wheels (Usually 5mm / 6mm hex for thru axles)
- Tyre levers (not essential with good tyre fitting technique)

1. Remove your wheel from the bike.

2. Remove valve cap



3. Loosen presta value nut and push to deflate the inner tube.

4. When the tube is deflated, remove the nut holding the valve in place.

5. Unseat tyre by pushing the bead to the centre of the rim. Do this on both sides of the tyre

6. Remove one side of the tyre by taking the bead over the rim.

7. Push the valve through the rim and remove the inner tube.

8. Get your tubeless valve and get it ready to install. At this point also double check that the tubeless tape is still correctly stuck down and not damaged. If it has been damaged the rim will need retaped.

9. Push the valve through the valve hole.

10. Put the o-ring on the valve.

11. Fit the tubeless valve nut and tighten.

12. Start to refit the tyre, leave 1⁄4 open.

13. Add tubeless sealant as per sealant manufacturer recommended amount.

14. Finish fitting tyre. Make sure the bead is pushed to the centre of the rim as this will make it much easier.

15. Connect your tubeless pump to the valve.

16. Charge the tubeless pump cannister and then release air blast.

17. Pump tyre until it is correctly seated. There is a moulded line in most tyres which must be visible and uniform the whole way round. the tyre

18. Reinstall valve cap.

19. Lift your wheel and shake it to get the sealant all round the tyre.

20. Refit your wheel to the bike following the manufacturer's instructions.

A couple of points to note:
It can take a couple of rides for the sealant to get fully around the tyre settle. Don't be alarmed if you need to top up the air pressure a couple of times between rides. The tyre shouldn't lose pressure during your ride.

Some tyres will seep sealant from the sidewalls. This should settle after the tyre has been used and generally happens on cheaper sealants so we do recommend using a good quality sealant

If you have an air leak at the rim, it will generally appear to happen at the valve but is most

likely to be an issue with the tape. If the air is escaping at the valve then its getting past the tape somewhere and you will need to check your tape is not damaged.

INSTALLING WHEELS WITH THROUGH AXLES

*In some cases, if you have mail ordered, your chosen authorised Nukeproof Dealer may have shipped the bike without wheels installed. Please reference the following to install wheels with Through Axles to your bike.

Nukeproof bikes typically will use Through Axles.

Insert the wheels to the fork and frame dropouts, ensure the rotor is aligned with the caliper to avoid damage when installing. For the rear wheel please ensure the gears are in the smallest sprocket and pull the derailleur rearwards to give more room for install. Ensure the hub endcaps are seated correctly in the dropouts for a secure fit.

Apply a little grease to the axle and threads and push through the dropouts and hubs until axle cannot be pushed further.

Tighten the Through Axle clockwise to the Nm found on the axle, if no Nm is displayed, please consult with your Nukeproof Dealer.

If the Through Axle is stiff when installing, it may be cross-threading, stop immediately and check seating of hubs and dropouts. Any further concerns please consult with your Nukeproof Dealer.

If the forks have pinch bolt dropouts, reference the forks manufacturer guides for correct installation.

If the Through Axles have Quick Release levers, please reference the axles manufacturers instructions for correct install.

Ensure the correct tools are used when fitting and removing Through Axles, if you are unsure, please consult with your Nukeproof Dealers.

Ensure the Through Axles are checked before and after each ride to ensure they are tight.

Riding with loose Through Axles can result in loss of control, injury and death.

If you are unsure on fitting wheels with Through Axles, please consult with your Nukeproof Dealer.

GETTING FAMILIAR WITH YOUR BIKES CONTROLS ONCE ASSEMBLED

Nukeproof adult bikes are all equipped with powerful modern disc brake systems. Disc brake systems offer exceptional control and power. Please note power will improve with some use once the pads and discs have bedded in. Ensure you familiarise yourself with which lever operates the front or rear brakes. Your dealer will set the brakes to the way they are typically used in your country, but please check lever orientation or get the brakes set to your preference by your dealer. Adjust the position of the brake levers so the lever is in a comfortable position and easy to pull. This is shown in the assembly guide. Brake performance will vary with riding terrain and weather conditions, familiarise yourself with your brakes performance in different conditions.

The gears on the bike are operated by a shifter on the handlebar, moving through the range of gears by clicking up and down the shifter paddles will help with pedaling in different terrains. Gear shifter position can also be adjusted, as shown in the set-up guide. Ensure the shifter is in a position it is easily accessible and use. Ensure when shifting you are pedaling smoothly forward, do not shift and pedal backwards. Pedaling backwards can damage the gears and result in an accident.

When initially getting familiar with your brakes and gears, please ride in a familiar location in good conditions while wearing a helmet. Any issues with your brakes and gears, immediately stop riding and consult with an authorised Nukeproof dealer for maintenance or repair.

SECTION 3 - HOW TO USE YOUR SHIMANO STEPS SYSTEM

This part of the manual details how to operate the Shimano STEPS EP8 system installed to your Megawatt. The Shimano STEPS EP8 system is user friendly, the following will help you get familiarised with the controls and display.

HOW TO SWITCH YOU MEGAWATT ON & OFF

This part of the manual details how to operate the Shimano STEPS EP8 system installed to your Megawatt. The Shimano STEPS EP8 system is user friendly, the following will help you get familiarised with the controls and display.

1. Locate the power switch on the top tube.

2. Press and hold until Steps logo appears.

3. The bike will power on and show this screen.

4. Use the handlebar switch to select desired mode.

5. To switch off the bike at the end of the ride, press and hold the power switch until the screen goes blank.

Note: It is good practice to turn the bike on with out having your foot on the cranks. If you have your foot on the crank, this can cause an error upon start up (W013). If this happens, switch the bike off and start with no weight on the cranks.

HOW TO REMOVE AND REFIT YOUR BATTERY

Items required

- 4mm hex key

1. Set your bike upright somewhere safe and look under the downtube

2. Loosen the bottom left bolt on the battery door 1 full turn with your 4mm hex key

3. Loosen the bottom right bolt on the battery door 1 full turn using your 4mm hex key

4. Fully remove the top battery door bolt

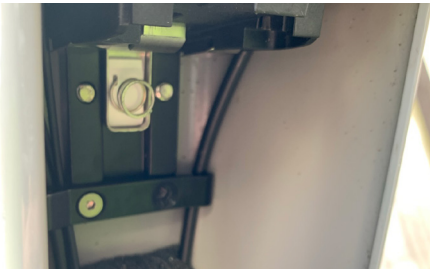
5. Slide the battery door upwards to remove

6. Using your 4mm hex key, carefully turn the silver battery release bolt CLOCKWISE

7. The battery should be fully seated after you hear two clicks

8. Push the silver clip down to fully release the battery

9. Lift the battery out of the frame



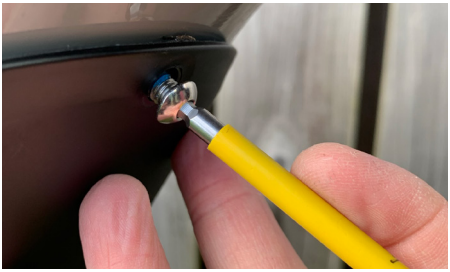
10. Check the battery holder to ensure it is in good condition and there is no damage to any part of it

11. Rotate the battery so that the locating plastic part on the mount lines up to the hole in the battery casing

12. Line the battery up and push into the frame

13. The battery should be fully seated after you hear two clicks

14. Slide your battery door back into place



15. Tighten the top bolt first using a 4mm hex key

16. Tighten the lower left bolt using a 4mm hex key

17. Tighten the lower right bolt using your 4mm hex key

Your battery has now been refitted and you are ready to ride

HOW TO CHARGE YOUR BATTERY

When charging your battery when the battery is installed to the bike, the display will not turn on when the battery is fully charged, if not fully charged the screen will turn on briefly, load the Shimano STEPS logo and turn off.

Your Nukeproof Megawatt can be charged in two ways:

- Battery in the bike
- Battery removed from the bike

CHARGE WITH THE BATTERY IN THE BIKE

1. Locate the charging port on the nondriveside of the seat tube

2. Pull open the cover door and check port is in good condition

3. Insert your charger into the port

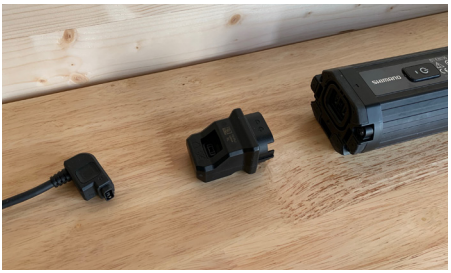
4. Plug the charger into a wall socket and switch on

5. When the bike is fully charged, the light on the charger will go off. Switch off the power at the wall socket and remove the charger

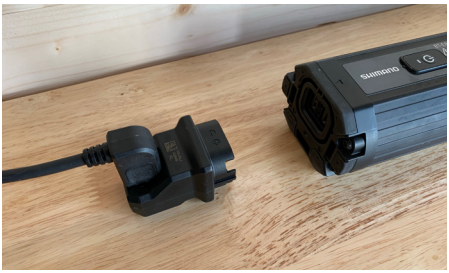
6. Ensure the charging port is in good condition

7. Refit the cover ensuring it is fully closed

There is a separate how to guide showing the steps to removing your battery from the bike so please follow this if you are unsure how to do so



8. Get your charger, adapter and battery



9. Connect the charger to the adapter

10. Connect the adapter & charge to the battery

11. Connect the charger to a power socket and switch on

12. Ensure the light on the battery is illuminated

When the battery is fully charged, you can unplug everything then follow our separate how to guide to reinstall your battery

Troubleshooting

If you are having problems with charging your battery, more information can be found in the Shimano manual here:

https://si.shimano.com/en/pdfs/um/7GP0B/UM-7GP0B-000-ENG.pdf

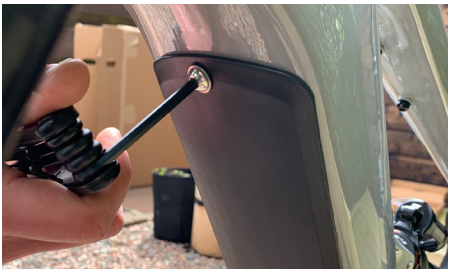
BATTERY SIZE CHANGE

Your Megawatt will either come with a 504WH battery or a 630WH battery. This guide will show you how to change the battery mount to go from 504WH to 630WH. The process can be done in reverse if you wish to go from 630WH to 504WH.

Tools required:

- 3mm hex key
- 4mm key hex
- 6mm hex key

Removal



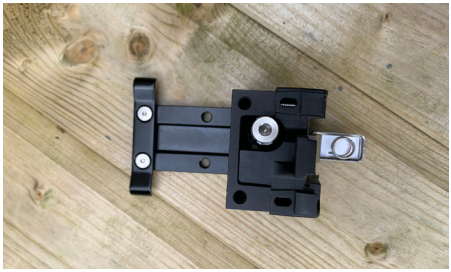
1. Remove the top bolt on your battery door

2. Loosen the two bottom bolts 1 full turn

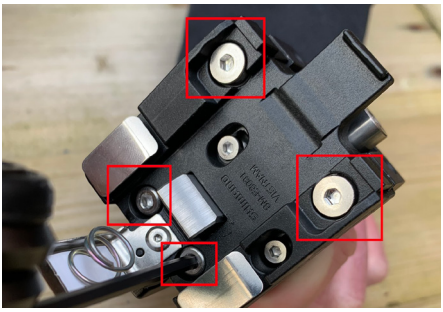
3. Slide battery door upwards to remove

4. Carefully turn the battery release hex clockwise to release the battery. It will slide forward onto a secondary catch which you will need to push down to fully release and remove the battery.

5. Remove the two bolts which hold the battery mount in place at the top of the downtube



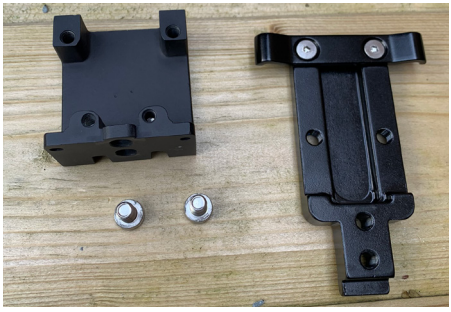
6. The battery mount can now be fully removed from the frame



7. Turn the battery mount on its end and undo the 4 bolts highlighted in the photo

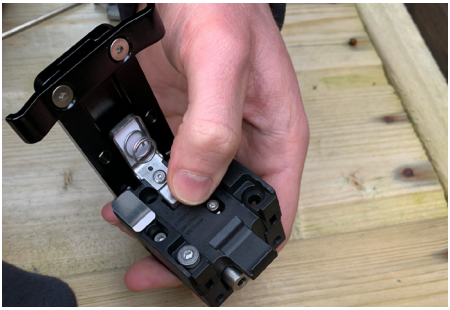
8. Remove this part of the bracket and keep bolts safe

9. Undo the two bolts holding the mount to the back plate

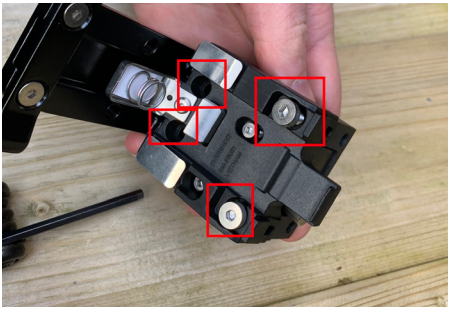


10. The mount can now be removed from the back plate.

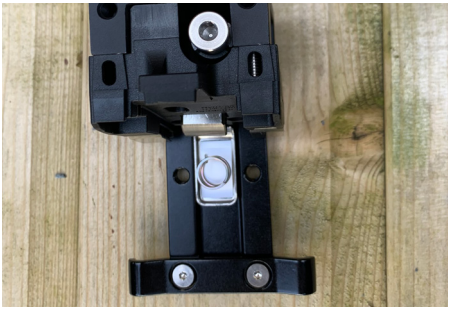
11. Turn the mount 180 degrees and refit on the back plate



12. Put the other half of the mount back in place



13. Refit the 4 bolts to resecure the bracket



14. Your mount should now be fully rebuilt and look like the photo

15. Put the battery mount back into the frame and loosely insert bolts

16. Move cables into correct position and then tighten battery mount bolts – be careful not to pinch any cables as you do this

17. Insert the new battery ensuing that the battery is tight in the mount

18. Refit battery door by sliding over the two bolts and tightening then reinsert the top bolt and tighten

HOW TO CHECK BATTERY LEVEL

Switch on E-Bike

Battery level will be displayed on screen

Number of Bars	% Range
5	100-81%
4	80-61%
3	60-41%
2	40-21%
1	20-1%
0	0%

HOW TO CHANGE ASSIST MODE

1. Switch on e-bike

2. Use left hand e-bike shifter to select mode:

Eco - Lowest power setting

Trail - Perfect for general MTB use and safest for steep descents. A couple of turns of the cranks are required for the motor to provide assistance

Boost - Maximum and instant power

Walk - Press and hold bottom shifter button to engage walk mode. Motor will provide assistant to make pushing the bike easier

SECTION 4 - SHIMANO E- TUBE

SHIMANO E-TUBE

Shimano E-Tube software allows you to wirelessly connect via Bluetooth a computer or phone to your Megawatt. The E-Tube App allows you to customise your motor settings to get the most out of your Megawatt and adjust the display settings to your preference. Your bike will work without the E-Tube App, but the App will enhance your Shimano STEPS EP8 experience. The full manual for the Shimano E-Tube app can be found at the following link for reference.

> Shimano E-Tube App

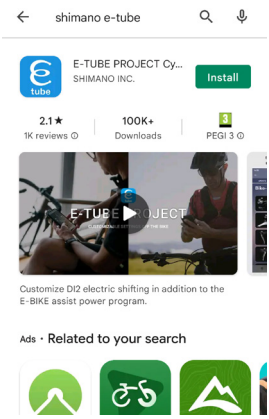
E-TUBE APP

The E-Tube Project APP can be downloaded and installed to your phone from the Apple Store or Google Play. It can also be downloaded to a personal computer direct from the Shimano website at the following link.

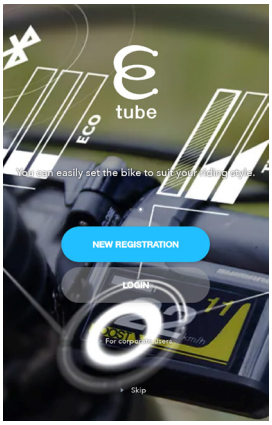
> Shimano E-Tube Download

TO CONNECT BIKE TO PHONE

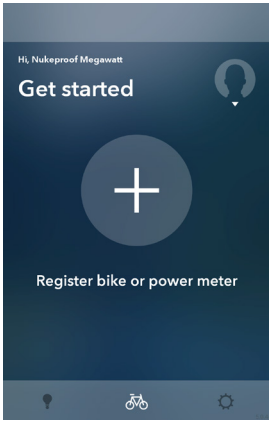
Please ensure Bluetooth is on for phone and bike display.



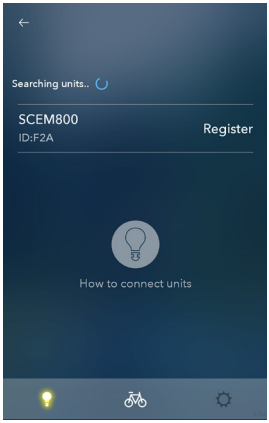
1. Go to your phones App store and download the E-Tube Project App



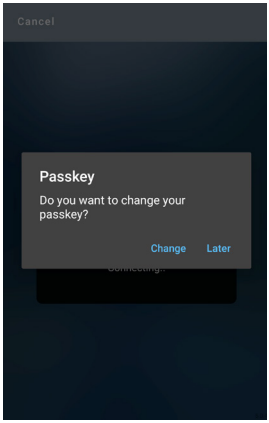
2. You can now log-in or register to the E-Tube App



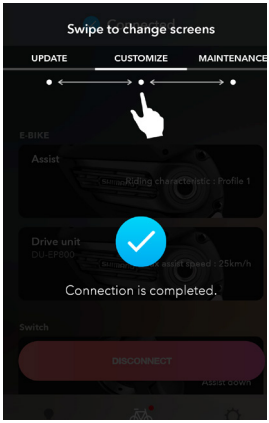
3. You can now search for your Megawatt on the App



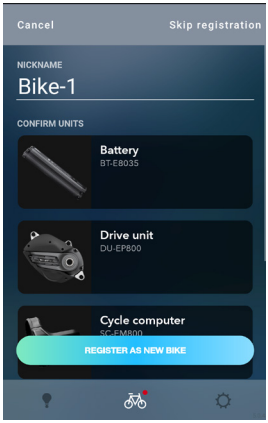
4. Once the bike has been found select ‘Register’



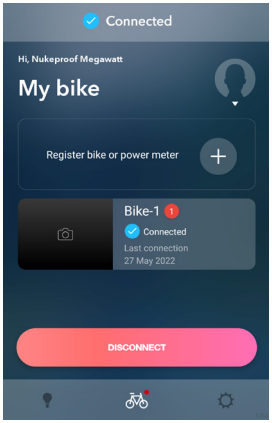
5. You can now add a 6-digit Passkey for your bike



6. Your bike is now connected and adjustments can be made



7. Register as new bike and it will save your bike to your E-Tube App



8. Your bike will now be stored on the E-Tube App for firmware updates, troubleshooting and adjustments

WHAT CAN BE CHANGED & WHAT DO THE CHANGES DO?

The Shimano E-Tube Project App allows you to customise your Megawatt Shimano STEPS EP8 motor power delivery to suit your preferences, needs and riding terrain.

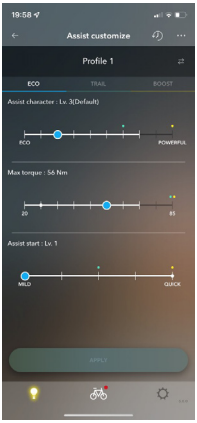
Each assist setting Eco, Trail and Boost can be customised to deliver the power to suit you and the terrain. The EP8 system also has two pre-set profile assist settings you can choose from. The power assist settings for Eco, Trail and Boost can be adjusted in both profiles.

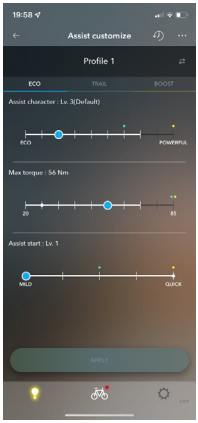
The Profile 1 assist is for more aggressive riding, steeper climbs, increasing power from the motor and reducing range. The Profile 2 assist is a reduced power option. It is suitable for rides that have less climbs, needing less input from the motor and giving a greater range.

In both profiles, Eco/Trail/Boost the following can be adjusted:

- Assist Character Level
- Torque Range

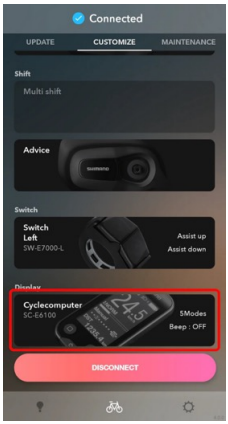
ASSIST START

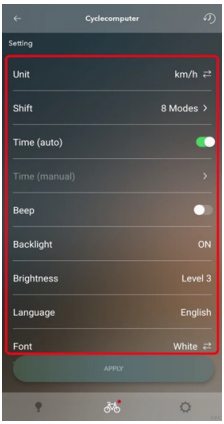




DISPLAY SETTINGS

The handlebar display settings can be customised to your preference. The following highlighted data can be amended.





Display Units	KM/H or MPH
Display Switch	Choose between Travel Time, Average Speed, Maximum Speed, Range Overview and Cadence
Automatic Time Setting	When turned on, time will display as shown on connected phone or computer
Manual Time Setting	When Automatic Time Setting is off, you can manually enter the time
Beep Setting	Turn beep On or Off
Backlight Setting	Can be selected on, off or manual
Backlight Brightness	Set the brightness of the displays backlight
Font Colour	Change between Black or White font
Display Time	Set time period display will turn off when bike not in use

FIRMWARE UPDATES

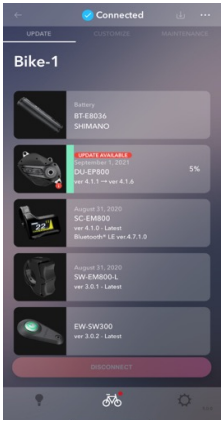
Shimano will periodically release firmware updates for their STEPS system and components. When new firmware is available, it will be displayed in the UPDATE tab of the Shimano E-Tube App.

The firmware update can only be cancelled during updates, no other operations can be performed.

Do not update your firmware near other electronic devices to avoid disruption of wireless signal.

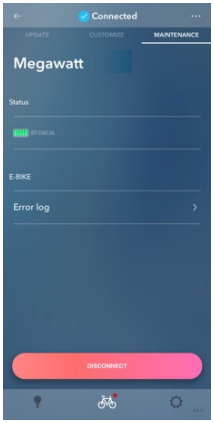
Do not update the firmware in an environment that will be transmitting wireless signals. Examples are television masts, rail lines and airports.

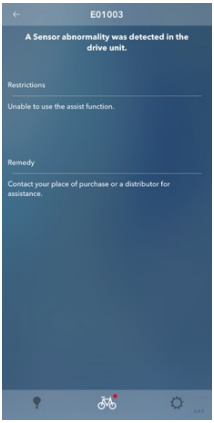
If the wireless signal is interrupted and the firmware does not install correctly, a firmware recovery is required. Please reference the Shimano E-Tube Manual for recovery process.



ERROR/WARNING CODES

In the unlikely scenario the Shimano STEPS EP8 system develops an error, the error code will be shown on the handlebar display. The error codes will also be shown in Maintenance under the Error Log on the Shimano E-Tube App. The Shimano E-Tube App will offer troubleshooting for any issues, if an issue cannot be resolved please consult with your authorised Nukeproof Dealer.





A full list of error codes and solutions is available at the following link, this is kept updated by Shimano.

SHIMANO ERROR AND WARNING CODES

If an error code is displayed, please follow the remedy detailed by Shimano for troubleshooting. If you are unable to resolve an error, please contact your Nukeproof dealer for further diagnostics and repair.

A full list of error codes and solutions is available at the following link, this is kept updated by Shimano.

> Shimano Error and Warning Codes

Code	Issue	Restrictions	Remedy
W010	Drive unit temperature higher than normal	Power assist may be lower than usual.	Stop using until temperature drops.
W011	Cannot detect travel speed	Max power assist speed may be lower than usual.	Check that speed sensor is properly installed.
W012	Crank installed in incorrect direction or drive-unit setting angle		Reinstall the crank in the correct direction and angle, then turn power back on
W013	Initialization of torque sensor not completed successfully	Power assist may be lower than usual.	With foot off the pedal, press battery power button and turn on power again.
W030	Two or more assist switches connected to the system	Not possible to shift gears with electronic derailleurs	If this error appears, consult your dealer.
W031	Chain tension may not yet be adjusted, or installation angle of cranks needs to be checked	Assist functions don't work, including power gear shifting.	Visit dealer to have chain tension and installation angle of cranks checked.
W032	Electronic derailleur may have been installed in place of mechanical derailleur	Power assist in [WALK] mode may be lower than usual (Note: [Walk] mode may not be accessible in certain regions outside EU.)	Reinstall the derailleur for which the system is configured to support. If no improvement, contact place of purchase.
E010	System error detected	No power assist while riding.	Restart the power system. If no improvement, connect unit to E-TUBE and follow instructions. If error persists, contact place of purchase.
E011	System operation error occurred	No power assist while riding.	Restart the power system. If no improvement, connect unit to E-TUBE and follow instructions. If error persists, contact place of purchase.
E013	Anomaly detected in drive unit's firmware	No power assist while riding.	Restore drive unit's firmware by connecting to E-TUBE. If error persists, contact local dealer.

E014	Speed sensor may be installed in the wrong position	No power assist while riding.	Amend position of speed sensor and magnet unit, turn on power and rotate crank clockwise until error resolves. This may take up to 100 rotations.
E020	Communication error detected between battery and drive unit	No power assist while riding.	Let your dealer check that the cable between drive unit and battery is properly connected. If cable is damaged, replace with new one.
E021	E021 – Battery connected to drive unit conforms with system standards but is not supported	No power assist while riding.	Press battery's power button to turn it on again. If no improvement, contact place of purchase.
E022	Battery connected to drive unit does not conform with system standards	A shutdown of all system functions.	Press battery's power button to turn it on again. If no improvement, contact place of purchase.
EO30	"Total number of gears" setting for motor unit doesn't match number of gears in internal geared hub	No power assist while riding.	Let your dealer configure motor unit so that "total number of gears" setting matches number of gears in internal geared hub.
E031	Chain tension may not yet be adjusted or cranks may not be installed in proper position	Assist functions don't work, including power gear shifting.	Let your dealer adjust chain tension and installation angle of cranks. Then select "Yes" in response to
W030	Two or more assist switches connected to the system	Not possible to shift gears with electronic derailleurs	If this error appears, consult your dealer.
W031	Chain tension may not yet be adjusted, or installation angle of cranks needs to be checked	Assist functions don't work, including power gear shifting.	Visit dealer to have chain tension and installation angle of cranks checked.
W032	Electronic derailleur may have been installed in place of mechanical derailleur	Power assist in [WALK] mode may be lower than usual (Note: [Walk] mode may not be accessible in certain regions outside EU.)	Reinstall the derailleur for which the system is configured to support. If no improvement, contact place of purchase.
E043	Error detected in bike computer's firmware	No power assist while riding.	Let your dealer restore bike computer's firmware using E-TUBE.

SECTION 5 - SUSPENSION SET-UP

To get the most out of your Megawatt you will need to set-up and maintain your suspension. Suspension maintenance is specialist work, we recommend you use official service centers and service intervals are detailed in the manufacture's user guides. Before your first ride, the suspension will need adjusted. The recommended sag for the Megawatt is 30-35%, seated with riding kit on. You will need a shock pump to set your sag. The rebound and compression settings are subjective to terrain, riding style and rider preference. Adjust the settings as you ride to find what works best for you.

Before setting up your suspension, please read the full manual for your shock and fork. FOX provides a 4-digit Tune code or a QR code on their forks and shocks. This will bring up all specific tuning and service guides on the FOX website. SRAM includes set-up guides for forks and shocks in one document. Rockshox service documents are model specific and linked below.

Remember when setting your rear shock, the lock-out is in the off position.

1. Always set your sag when the bike is on a level surface and ensure you have something to steady yourself with or a person to hold the handlebars while you sit on the bike.

2. Always set your sag before rebound and compression is adjusted.

Please make incremental suspension set-up changes to ensure the bike riding characteristics are

predictable and controllable. Set the rebound and compression adjusters at mid-point and add and remove clicks to suit.

> Fox Set-Up and Service Guides

> Rockshox Set-Up and Service Guides

SHOCK SIZE / TUNE / UPGRADING

If you wish to change your shock for an upgrade or a different model to your preference, please consult with your suspension supplier to ensure the shock is the correct size and the tune suits the kinematics of the Megawatt. The following details will help with fitting a new shock and ensuring the tune is suitable.

SIZE

230x62.5mm Bearing End

Note a standard eyelet shock without a bearing end can be used with the correct hardware size. Please ensure the hardware matches the shock and the required size for the frame. If a bearing end shock can be sourced, this would be preferential to ensure the smoothest suspension action.

HARDWARE

Front – 25x8mm / Rear 30x8mm

TUNE

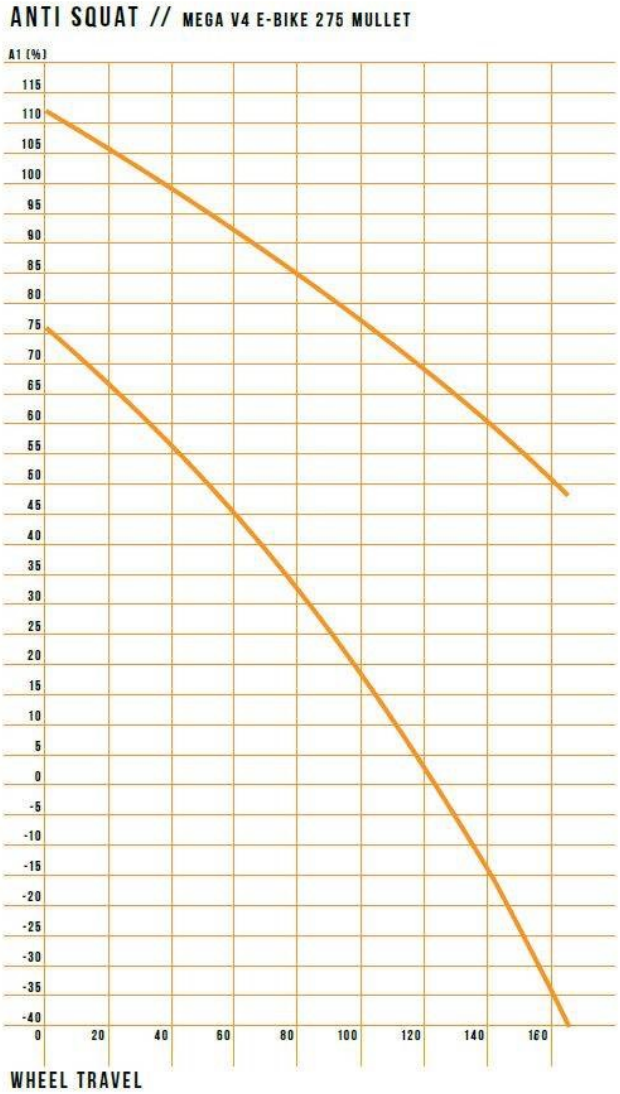
When purchasing a new shock, the provider will need a tune to suit the Megawatt suspension kinematics, the charts provided below will need referenced by your suspension provider. The Megawatt has a progressive layout, this ensures more support the further you push through the travel ensuring a stable and predictable ride. This is a 22% change in leverage ratio from start to finish, supple at the start and support ramps up throughout the travel. Anti-squat is at 99% at sag at 50t sprocket and reduces to 50% at the 10t sprocket. This is to aid with traction when climbing keeping a supple suspension action and pedal bob is reduced by the smooth power provided by the Shimano EP8 motor. Anti-rise is balanced on the Megawatt to ensure some squat under breaking, helping with rider position and traction.

LEVERAGE RATIO AND FORCES

A Super supple beginning for small bump compliance with a strong Mid-Stroke support for optimal cornering and pumping. The Mid-End of the stroke allows for more tuning options and a wide 30-35% range of usable SAG. An Increased end-stroke leverage prevents the suspension from spiking. 22% overall progression with an average ratio of 2.6 (measured from SAG)

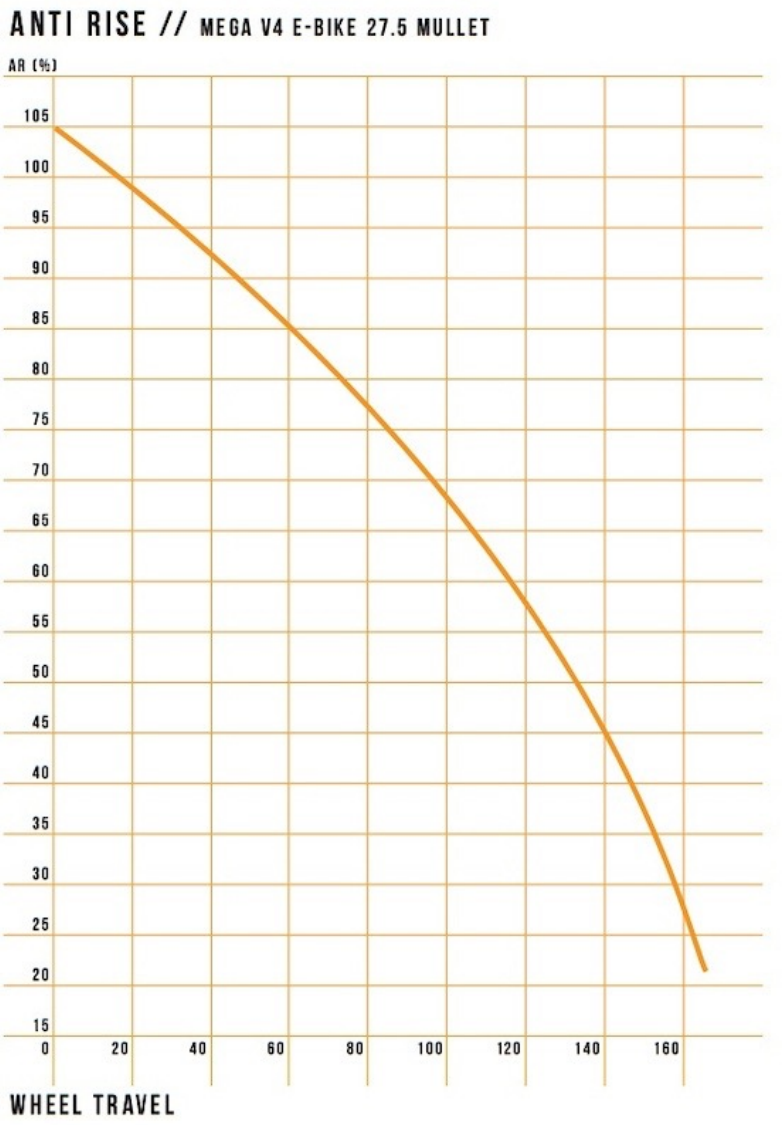
ANTI-SQUAT CURVE

Slightly lower anti Squat numbers than it's Mega sibling at 99%. This helps to increase the performance of the suspension (We're able to do this due to the climbing assistance on an E-Bike). Higher anti-Squat in the climbing gears, which drops off to (52%) in the descending gears. The Megawatt remains true to our belief that a low anti-squat, but good mid stroke support is a winning combo for climbing traction. However we believe that the Anti-Squat should never prevent the suspension from working well over rough terrain.



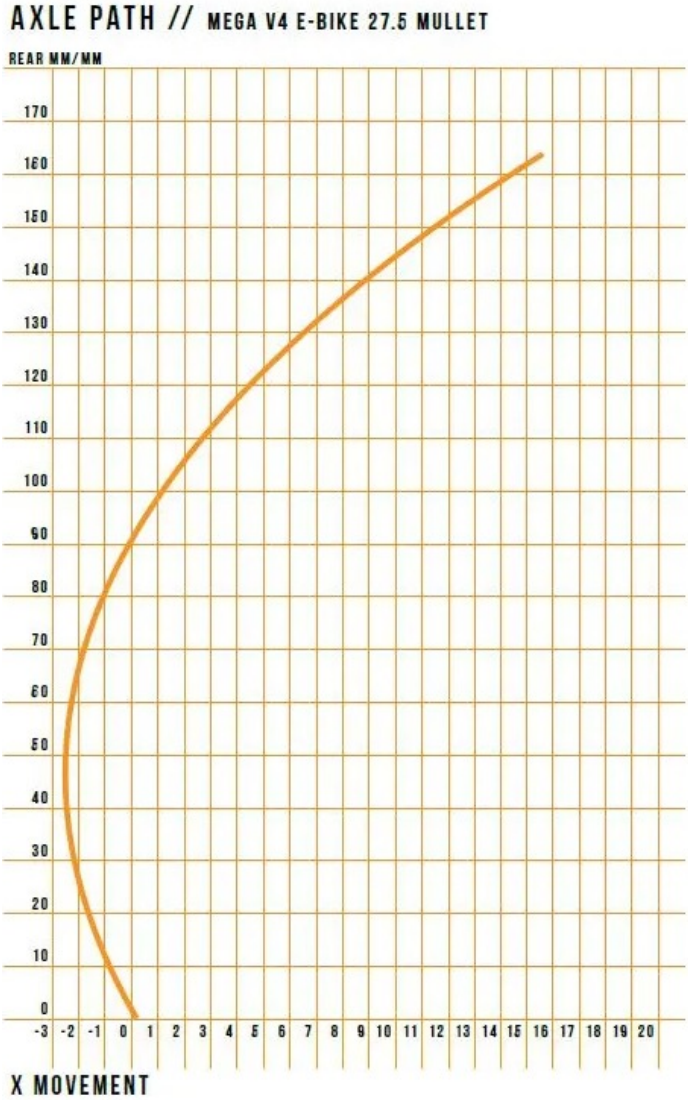
ANTI-RISE CURVE

The Megawatt has a balanced amount of Anti-Rise that tails off for bigger hits on the trail. This allows some squat in the suspension when breaking hard into a corner allowing the rider to maintain his/ her position. This allows the rider to put the pressure through the tyres and into the ground for excellent traction under hard braking.



AXLE PATH CURVE

The Megawatt's axle path moves rearwards for 50mm of travel (SAG). This prevents the rear wheel from hooking up on square edges and ultimately will help the rider holds speed.



FORK LIMITS SUSPENSION

The fork length also detailed as axle to crown (A-C) cannot be exceeded. Maximum A-C for the Megawatt is 596mm. Using a fork that exceeds the A-C may lead to frame failure and injury. Using a longer axle to crown fork will void warranty. The bike is designed with a 170mm in mind, 180mm can be used as long as the A-C is not exceeded.

SECTION 6 - MAINTENANCE AND CARE

Nukeproof bikes and components are designed to be hardwearing and corrosive resistance, but to ensure the bike looks and runs its best, some general maintenance will be required. This will ensure the bike looks great for longer, prolong the lifespan of components and ensure your safety. Any doubts please consult with the dealer you purchased the bike from or any authorised Nukeproof Dealer.

BEFORE YOU RIDE

Please inspect your bike before each ride to ensure your bike is in full working order, any issues you cannot resolve yourself, please consult with a local reputable mechanic and escalate to an authorised Nukeproof dealer if needed. Any small concern with your bike, could develop into a further issue and ruin your ride or become a safety concern, any doubts please seek advice from your dealer.

FRAME AND FORK

Please do a visual check of your frame and forks. Any cracks or sharp dents, please contact your dealer immediately for inspection and do not ride your bike. Any unusual noises or creaks, please have your bike inspected by a reputable mechanic and escalate to your dealer if needed.

Check all pivot points and bearings for signs of play, any play please check the pivot bolts for the correct torque, this is detailed in this document. If all torques are correct and play is still present, your frame bearings may have perished. This document details the bearings required for the frame and please use a reputable mechanic or authorised dealer to replace.

DRIVETRAIN AND BRAKES

Please ensure your drivetrain is cleaned and lubricated often to avoid premature wear, any unusual noises from your drivetrain would suggest gear indexing needs adjusted, parts have perished, loose or damaged, please have the bike inspected. Gear cables are perishable parts and will need changed periodically depending on use and riding conditions. The brakes should be inspected often for pad and rotor wear, changed when required. Ensure the brakes are operating correctly before use and ensure there is no play in the calipers and rotors, if play is found please torque fitting bolts to manufacturers respective guidelines. Brakes will need bled occasionally, how often is dependent on conditions, riding style and terrain.

WHEELS AND TYRES

Check wheel axles before each ride to ensure they are not loose, if loose tighten to torque specification. Check wheels for bearing wear/play, damage, loose spokes and trueness. Wheel bearings are a perishable part and will need changed occasionally, this can be identified by rough/noisy bearings, play and drag in the freehub. Please consult with a mechanic or authorised Nukeproof dealer to replace bearings and ensure spoke tension. If the rim is damaged/cracked, please refrain from riding your bike and consult with an authorised dealer for a replacement. Tyres will need checked for damage and wear, cuts in the tread and sidewalls can lead to a tyre failure, please replace. Ensure tyre pressure is within range to the manufacturer specification found on the sidewall and tyre pressures checked periodically. Never pump the tyre above the recommended pressure found on the sidewall, this can result in tyre failure, damage to bike and injury.

HEADSET

If there is play from the headset when the front brake is applied, this is a sign the bearings have perished, or an adjustment is required. To adjust the headset, loosen the two stem steerer bolts, tighten the top cap bolt and then retighten the stem steerer bolts again. This will pull the headset together and remove play. If the play continues, please contact an authorised dealer for replacement bearings or an inspection. Please note if the headset is overtightened, the steering may become stiff.

If your headset has play, loosen the two steerer clamp bolts with a 4mm Allen Key.

Tighten steerer bolt with 5mm Allen Key until play is removed. Retighten the two 4mm steerer bolts and ensure the stem is straight. Any doubts in this process please consult with an authorised Nukeproof Dealer

GENERAL

Pre-ride, check all bolts are tight and comply with the torque values detailed in this document, third party components installed to your bike must be checked with the respective manufacturers detail, suspension is correct pressure and within range of manufacturers recommendations and tyres are within pressure range of manufacturers detail found on the sidewall. All bearings are consumable parts, wheels/headset/bottom bracket/frame bearings will need checked and changed periodically. If you consider a bearing has perished prematurely, please consult with your dealer for warranty inspection.

CLEANING

Cleaning your bike regularly will help maintain its appearance as well as prolonging the life of wear and tear parts. Allowing dirt to collect on the bike will reduce the life span of components, increase chances of unnecessary damage and make visual inspection difficult. We recommend biodegradable cleaning products and do not use a pressure washer. Using a pressurised washer can cause water ingress, damage components and flush out bearing/pivot grease. Please lubricate your drive train after cleaning, wiping off any access lubricant. Avoid any lubricants contaminating brakes pads and rotors. When cleaning the bike, do not remove the battery, this will protect the connections between the battery and bike.

SERVICE LIFE

Your bike is subject to wear and tear, normal for all mechanical components. The service life is subjective to several factors, materials and design, rider weight, how often the bike is used, aggressiveness of the riding and terrain, environment and maintenance. Regular cleaning, maintenance and periodical inspection by mechanics will prolong the service life of your bike and its installed components.

SPARE PARTS

All available Megawatt frame spares and Nukeproof components spare parts are available through any authorised dealer, first port of call will be your dealer, but any authorised Nukeproof dealer can assist. 3rd party components and spares can be found through respective dealer networks and your

> Nukeproof Dealers

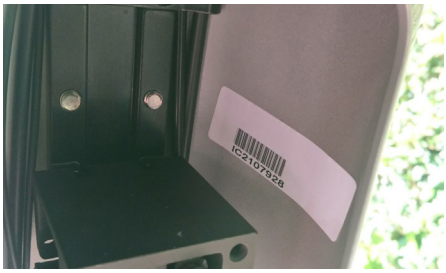
> Shimano Dealers

> Shimano Steps

> SRAM/RockShox

FRAME NUMBER

The unique frame number for your Megawatt is found inside the frame and behind the motor housing. To view the frame number at the back of the motor housing the air from the rear shock needs released allowing the rear triangle to rise and give visibility. Your dealer and Nukeproof Bikes do not have an obligation to keep a record of this number. Please take a note of the number for insurances and theft prevention purposes.



In the unlikely case you need to make a warranty claim and damage is caused by poor maintenance and care, the warranty claim may be rejected. Any doubt on how to maintain and care for your new Megawatt please consult with your dealer. In the event of a crash, please inspect your bike and any concerns please seek advice from your dealer.

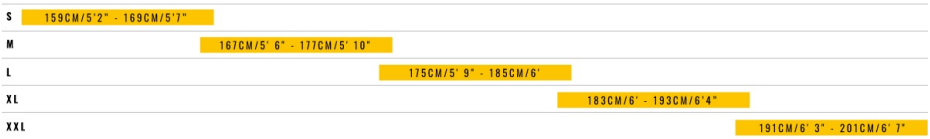
SECTION 7 - SPECIFICATIONS/SIZING/GEOMETRY

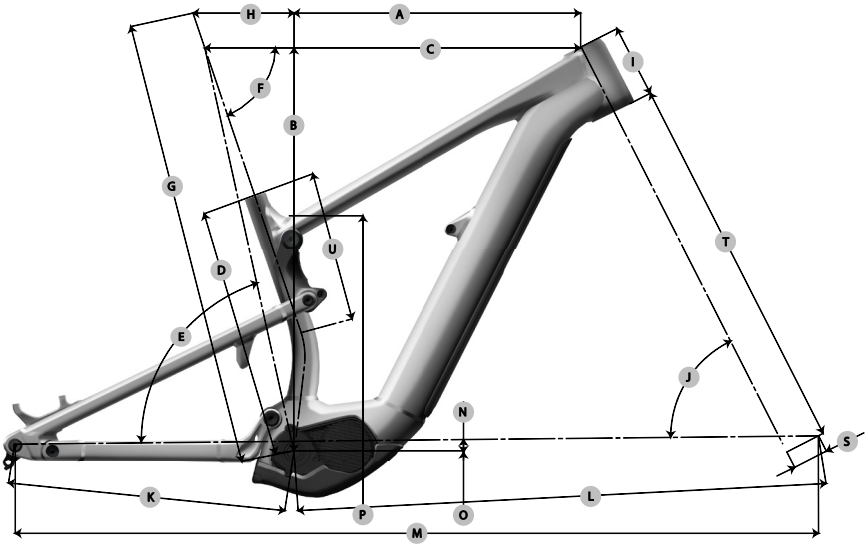
FRAME SPECIFICATION

The following are available after market frame spares for the Megawatt, if any part you need is not listed, please consult with an authorised ***Nukeproof Dealer.***

Material	Fully Custom Triple Butted and Hydro-Formed 6061-T6 Aluminium Including Forged Parts
Fork Travel	170mm
Axle to Crown	582mm
Fork Offset	44mm
Rear Travel	170mm
Wheel Size	29" Front /27.5" Rear
Max Tyre Size	2.6"
Recommended Shock Sag	30-35% (Measured seated)
Shock Size	230x62.5mm
Shock Hardware F	25x8mm
Shock Hardware R	30x8mm
Sizing	S / M / L / XL / XXL
Headtube	56-66mm Tapered Semi Intergrated
Headset	ZS56-28.6 / ZS66/40 (1.5" Tapered) or ZS56-28.6 / ZS66/46 (1.8" Tapered) Requires cable routing through top cap
Bearings Required	4x 6802 LLU MAX, 4x 6902 LLU MAX, 2x F6902 LLU MAX-EA
Seatpost	31.6mm
Seat Clamp	34.9mm
Motor System	Shimano STEPS EP8, 250W, 85Nm
Rear Hub	148x12mm (Boost)
Rear Axle	SRAM UDH Stealth M12x1.0 180mm (Thread length 13mm)
Chain Guide	Shimano EM800 drive unit mount
Brake Mount	180mm Direct Post
Protection	3D Contoured Motor Protector and Rubber Frame Protection for DT/SS/CS/Battery Door

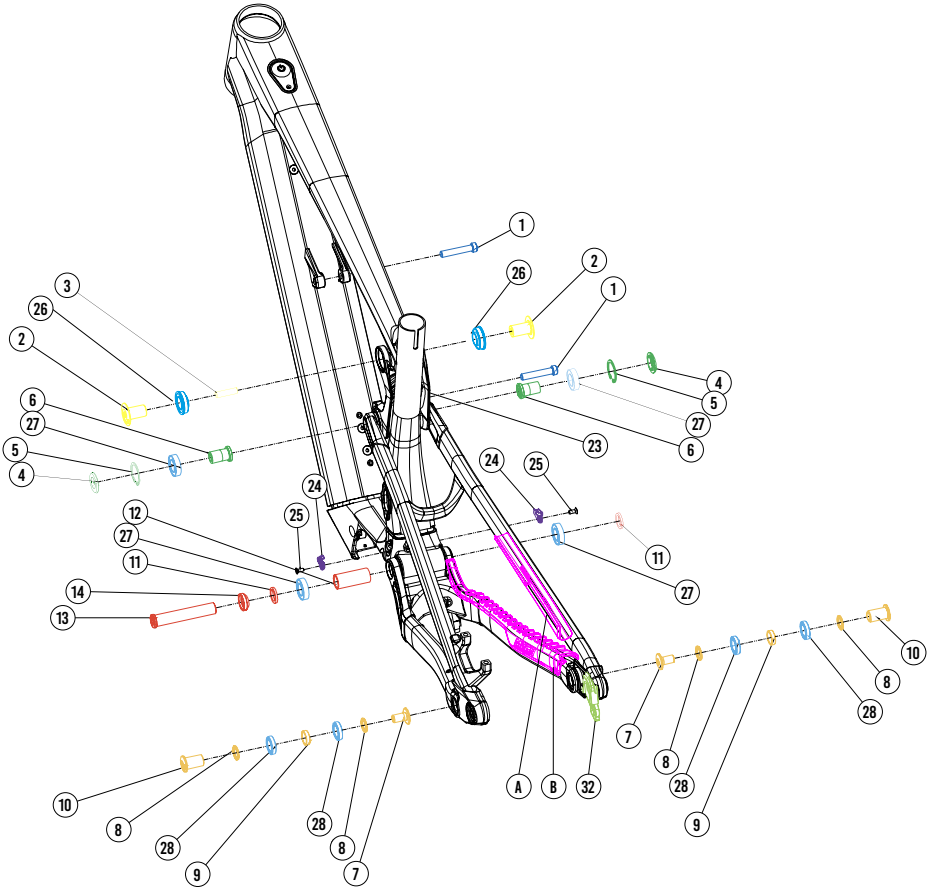
RECOMMENDED SIZING



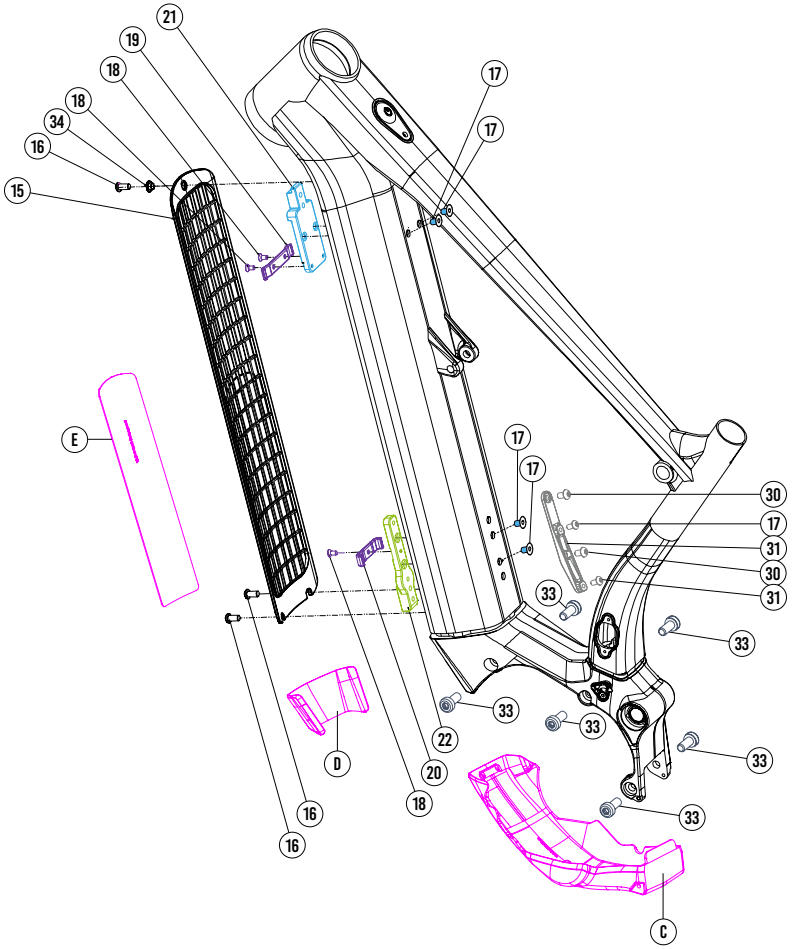


		Small	Medium	Large	X-Large	XX-Large
A	**Reach**	435	455	475	495	515
B	**Stack**	640.74	640.74	645.24	654.23	663.21
C	**Effective Top Tube Length**	577.05	597.05	612.15	634.06	655.97
D	**Seattube Length**	380	410	440	470	500
E	**Effective Seattube Angle**	77.5°	77.5°	78°	78°	78°
F	**Seattube Angle (Actual)**	71°	71°	72°	72°	72°
G	**Saddle Height at Saddle Offset**	650	700	750	800	850
H	**Saddle Offset at Saddle Height**	139.98	156.36	163.32	178.84	194.35
I	**Headtube Length**	115	115	120	130	140
J	**Headtube Angle**	64°	64°	64°	64°	64°
K	**Chainstay Length**	442	442	442	442	442
L	**Front Centre**	779.61	799.61	821.8	846.18	870.57
M	**Wheelbase**	1221.5	1241.5	1263.69	1288.07	1312.46
N	**Bottom Bracket Drop (F/R)**	30/10	30/10	30/10	30/10	30/10
O	**Bottom Bracket Height**	345	345	345	345	345
P	**Stand Over Height**	734.8	731.06	730.01	732.88	732.69
Q	**Fork Travel**	170	170	170	170	170
R	**Trail**	136.17	136.17	136.17	136.17	136.17
S	**Fork Offset**	44	44	44	44	44
T	**Axle to Crown**	582	582	582	582	582
U	**Maximum Seatpost Insert**	216	248	275	305	340

SECTION 8 - ASSEMBLY AND SPARES



Shock Bolt Kit	Cable Guide Kit
Bearing Kit	Rubber Frame Protection Kit
Horst Link Kit	Hanger Kit
Main Pivot Kit	Battery Mount Kit
Upper Swing Link Kit	Water Bottle Mount Kit
Lower Swing Link Kit	Motor Mount Bolt Kit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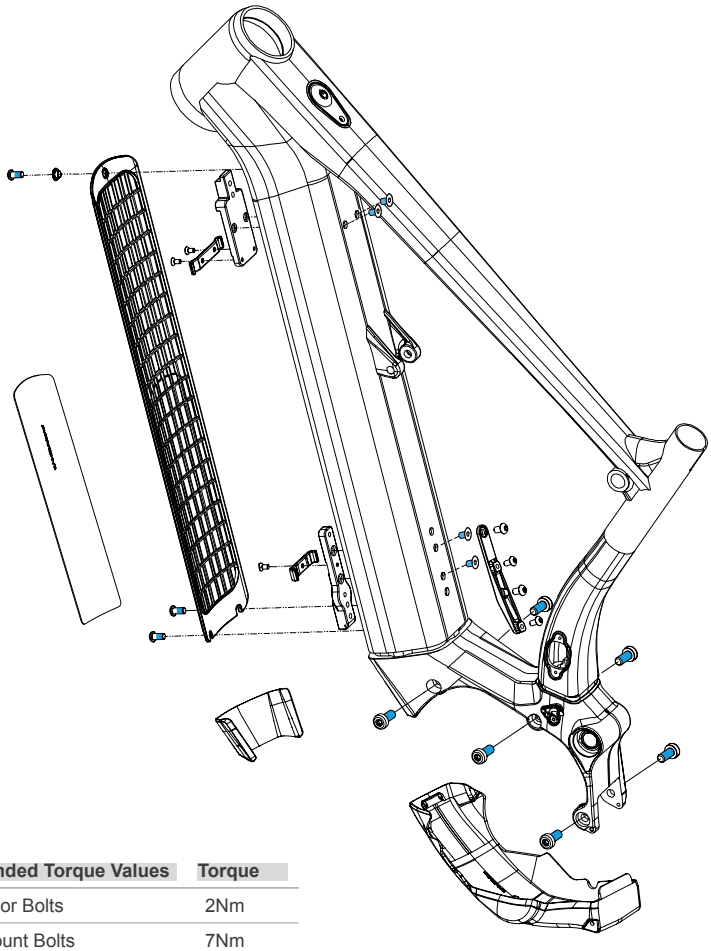
Ref #	Part #	Nukeproof Part #	QTY
1	N6C-M8-43.5L	Shock Bolt	2
2	N6E-SLA	Swing Link Bolt	2
3	TB-M8-30L	Swing Link Pivot Axle	1
4	N6E-SWS	Seat Stay Clevis Washer	2
5	R28	Seat Stay Clevis Lock Ring	2
6	N6E-SLB	Seat Stay Clevis Bolt	2
7	N6E-HLB	Horst Link Bolt	2
8	ASEE-LWS	Horst Link Washer	4
9	VTEA-LWS-19x15x15	Horst Link Bearing Spacer	2
10	N6E-HLA	Horst Link Pivot Axle	2
11	AE7A-WS 2.5MM	Main Pvot Washer	2
12	NTR-BSP R2	Main Pivot Bearing Spacer	1
13	VTEA-LBT-83.5	Main Pivot Axle	1
14	AFDC-CWS	Main Pivot Collett Washer	1
15	VT9B-BTCA	Battery Door	1
16	M6x12L-R51B	Battery Door Bolt	3
17	M6x12L-M11B	Battery Mount Bolt	4
18	M4x8L-M11B	Cable Guide Bolt	3
19	VT9A-CGB-A	Upper Internal Cable Guide	1
20	VT9A-CGB-B	Lower Internal Cable Guide	1
21	VT9A-BTH-A	Upper Battery Mount	1
22	NP9A-BTH-B-R2	Lower Battery Mount	1
23	NP9A-LK	Swing Link	1
24	FB-SUP-LK121-1	Seat tube Cable Port	2
25	M4x10L-M11B	Seat tube Cable Port Bolt	2
26	F6902 LLU MAX-EA	Upper Swing Link Bearing	2
27	BB 6902 LLU MAX	Main Pivot/Seat Stay Clevis Bearing	4
28	BB 6802 LLU MAX	Horst Link Bearing	4
29	TK017	Water Bottle Adaptor Mount	1
30	M5x12mm MAX	Water Bottle Adaptor Mount Bolts	2
31	M5x8mm	Water Bottle Cage Mount Bolts	2
32		UDH Hanger Kit	
33	MB-T40-18L	Motor Mount Bolts	6
A	VLF-C-1115	Seat Stay Protector	1
B	VLF-C-1131	Chain Stay Protector	1
C	VLF-C-1151	Motor Protector	1
D	VLF-C-1244	Down Tube Mid Protector	1
E	VLF-C-1229	Battery Door Protector	1

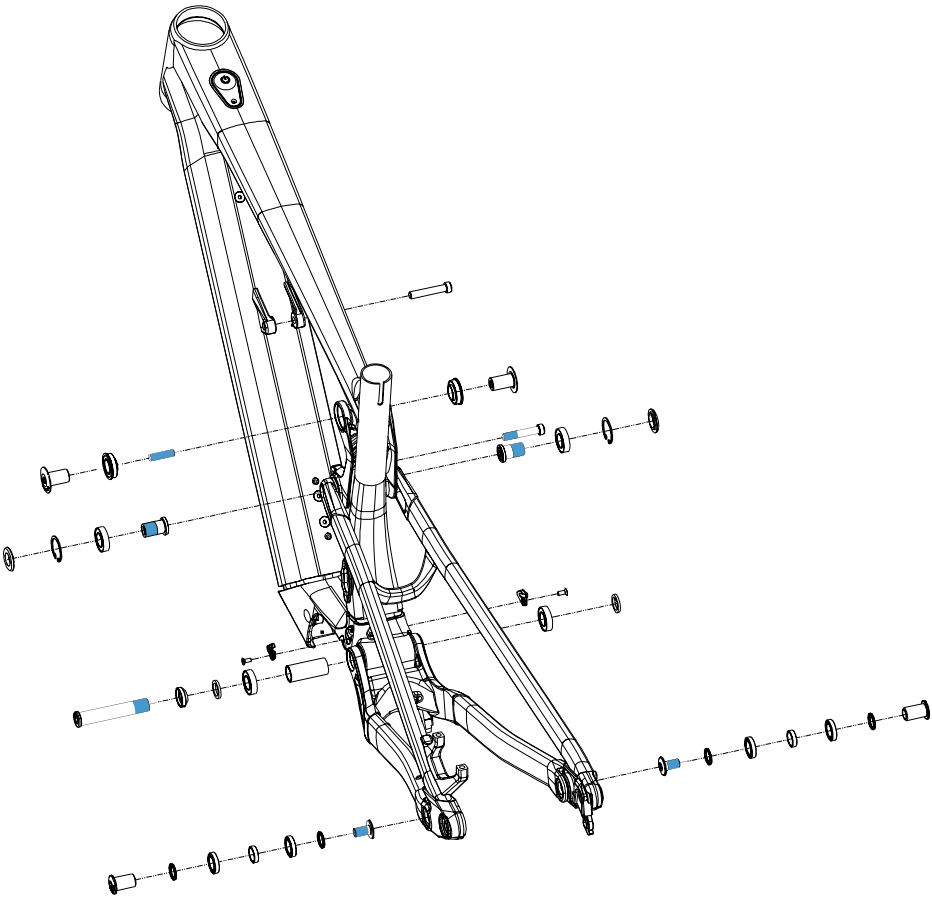


Recommended Torque Values	Torque
Battery Door Bolts	2Nm
Battery Mount Bolts	7Nm
Cable Guide Bolts	3Nm

Note: Use medium strength threadlock
We recommend Loctite 243

Torque

TORQUE AND GREASE DIAGRAMS

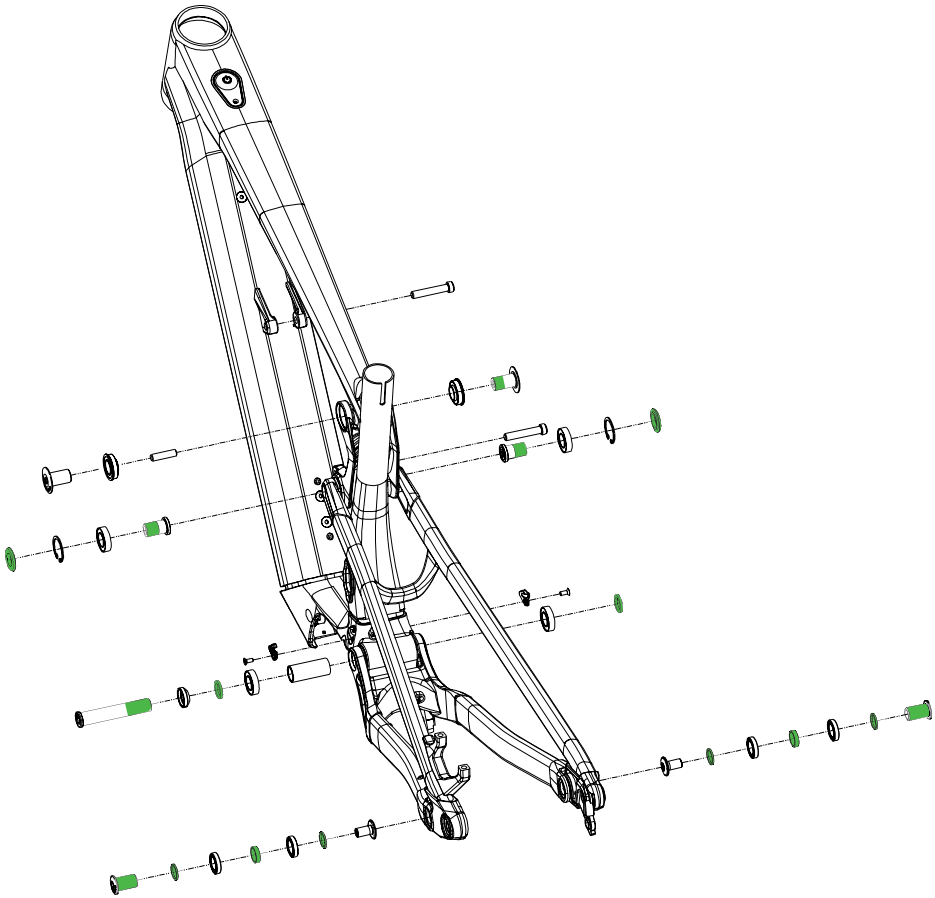


Recommended Torque Values	Torque
Shock Bolts	15Nm
Upper Swing Link	14Nm
Lower Swing Link	19NM
Main Pivot	19Nm
Horst Link Bolts	12Nm
Cable Guides	3NM

Recommended Torque Values	Torque
UDH Hanger	25Nm
UDH Hanger Bolt	3Nm
Battery Door Bolts	2Nm
Battery Mount Bolts	7Nm
Cable Guide Bolts	3Nm
Motor Mount Bolts	15Nm

Note: Use medium strength threadlock
We recommend Loctite 243

Torque



TT Grease

AVAILABLE FRAME SPARES

The following are available after market frame spares for the Megawatt, if any part you need is not listed, please consult with an authorised Nukeproof Dealer.

Part - Megawatt Specific	Diagram Number	Product Page
Motor Protector	C	https://nukeproof.com/collections/bikes-sparesmegawatt/products/megawatt-motor-protector
Chain Stay Protector	B	https://nukeproof.com/collections/bikes-spares-megawatt/products/megawatt-chain-stay-protector
Cable Guide Kit	24,25	https://nukeproof.com/collections/bikes-spares-megawatt/products/megawatt-cable-guide-kit
Main Pivot	11,12,13,14	https://nukeproof.com/collections/bikes-spares-megawatt/products/megawatt-main-pivot-kit
Battery Door Protector	E	https://nukeproof.com/collections/bikes-spares-megawatt/products/megawatt-battery-door-protector
Swing Link	23	https://nukeproof.com/collections/bikes-spares-megawatt/products/megawatt-swing-link
Battery Mount Kit	17,18,19,20,21,22	https://nukeproof.com/collections/bikes-spares-megawatt/products/megawatt-battery-mount-kit
Battery Door Kit	15,16	https://nukeproof.com/collections/bikes-spares-megawatt/products/megawatt-battery-door-kit
Part - Shared with Mega 2021	**Diagram Number**	**Product Page**
Horst Link Kit	7,8,9,10	https://nukeproof.com/collections/bikes-spares-megawatt/products/mega-alloy-horst-link-kit-2021
Lower Swing Link Kit	4,5,6	https://nukeproof.com/collections/bikes-spares-mega-1/products/mega-alloy-lower-swing-link-kit-2021
Upper Swing Link Kit	2,3	https://nukeproof.com/products/mega-alloy-upper-swing-link-kit-2021
Shock Bolt	1	https://nukeproof.com/collections/bikes-spares-megawatt/products/mega-alloy-shock-bolt-kit-2021
Seat Stay Protector	A	https://nukeproof.com/collections/bikes-spares-megawatt/products/mega-alloy-seat-stay-protector
Frame Bearings	26,27,28	Please contact authorised Nukeproof Dealer
Through Axle	P1.0/180mm/13mm	Please contact authorised Nukeproof Dealer
UDH	32	https://nukeproof.com/collections/all/products/udh-hanger

SECTION 9 - SHIMANO STEPS COMPONENTS

The following is the Shimano STEPS components installed to the Megawatt bike, please note the Comp has a different battery to the Elite and Factory but the E8035 and E8036 batteries are interchangeable between Comp, Elite and Factory (please see Section 3 on how to change battery size). If any of the parts develop a fault, please contact an authorised Nukeproof dealer for warranty assistance. If any parts are damaged accidentally or the result of a crash, a Shimano STEPS dealer can assist with replacement parts.

> Shimano STEPS Dealers

Component	Shimano Part #
Motor	DU-EP800
Display	SC-EM800
Satellite On/Off Switch	EW-SW300
Battery Comp	BT-E8035
Battery Elite/Factory	BT-E8036
Charger	EC-E6002
Power Cord 240v	SM-BCC1-6
Power Cord 220v	SM-BCC1-1
Satellite Charger	EW-CP100
Speed Sensor	EW-SS301
Wire	EW-SD300
Battery Mount	BM-E8031
Assist Switch	SW-EM800-L
Drive Unit Cover Left	DC-EP800-A
Chain Device	SM-CDE80
Charging Adaptor	SM-BTE80

SECTION 10 - WARNINGS

MINIMUM SEAT POST INSERTION

The seat post installed to your bike will have a minimum insert line, do not exceed this line. Exceeding the minimum insert can lead to post and frame damage. If you find you need the saddle higher than the insert level allows, please consult with your dealer regarding frame sizing or a longer post. Damage to a seat post or frame caused by not adhering to the minimum insert line is not covered by warranty.

MAXIMUM TYRE WIDTH

Do not exceed the fork and frame maximum tyre widths. The frame is designed to accept a tyre up to 2.6'' and the forks maximum tyre widths are detailed below. Please note some manufacturer tyre and rim combinations can be wider when fitted together, always check for clearance when tyres are changed to a different model. Tyre rub can damage frame and will not be covered by warranty if incorrect tyre size has been used.

- Fox 38 29'' max tyre clearance 2.6''
- Rockshox ZEB max tyre clearance 2.8''

MAXIMUM AXLE TO CROWN AND TRAVEL OF FORK

The fork length also detailed as axle to crown (A-C) cannot be exceeded. Maximum A-C for the Megawatt is 596mm. Using a fork that exceeds the A-C may lead to frame failure and injury. Using a longer axle to crown fork will void warranty. The bike is designed with a 170mm in mind, 180mm can be used as long as the A-C is not exceeded.

DIRECT SUNLIGHT AND HEAT

Try to avoid exposing your bike to direct sunlight and excessive heat, this can damage the paint and fatigue plastic components.

RIDER WEIGHT

Nukeproof bikes are designed and tested to ISO 4210 / EN 15194 standards; our bikes conform to the load tolerance of 120kg the standards require. If the user is over this weight when kitted, we would recommend regular inspection and maintenance to avoid issues and expect wear and tear parts to be replaced more often. 3rd party components may have different load and weight standards, any concerns with components weight limits please consult with your Nukeproof Dealer. We cannot guarantee the integrity of the bike and its components if the user is over 120kg.

LOOK AFTER YOURSELF

Always wear a helmet that meets legal safety standards when riding your Megawatt and additional protective equipment when required. Ensure you are riding your bike in accordance with local laws, with protective equipment, reflectors and lights installed when and where required.

ON-ROAD RIDING

- Ensure all local traffic laws are obeyed when using your bike on-road.
- Respect all other road users journeys.
- Ride safely and be prepared for actions of other road users or road conditions that may jeopardize your safety or safety of other road users.
- Do not allow yourself to be distracted while cycling on-road.
- Carry maintenance tools and spares to ensure you can complete your ride if a mechanical was to occur.

OFF-ROAD RIDING

- Off-road riding can be dangerous with a variety of terrain, conditions and hazards. Please ensure you have developed the adequate skill levels for the terrain you are riding and confident in your off-road abilities. Please get familiar with your bike, its handling and capabilities before riding off-road.
- Ensure the location you are riding is legal, you have a right to ride there and no laws are being broken.
- Ensure you are wearing the appropriate safety equipment.
- Ride in groups to ensure your safety and make someone aware of your route and location.
- Carry maintenance tools and spares to ensure you can complete your ride if a mechanical was to occur.
- Be respectful and courteous to other off-road users, respect their journey.
- Be courteous to wildlife and the natural environment.
- Stay on designated trails to avoid unnecessary erosion.

RIDING AT NIGHT

Be cautious when riding at night, riding at night can be more hazardous than daytime. At night a rider is harder to see by drivers and pedestrians, ensure you are wearing brighter clothing with reflective features. Please ensure you use reflectors and lights on your bike, and these comply with local laws. Reflectors are not a suitable alternative to lights; lights must be used along with reflectors at night. Ensure reflectors and light mounts are of sound condition and secure. Ensure lights are charged or the lights method of power is working adequately, ensure there is enough power for the duration of your journey.

WET WEATHER RIDING

In wet weather conditions please ensure you are riding within your skill level and experience. Wet weather can reduce surface grip, reduce tyre traction, reduce visibility and reduce braking performance. Contacts points on the bike may have reduce purchase, these include handlebar grips, brake levers, pedals, saddle and shifters. Please consider these factors when riding in the wet to avoid loss of control and potential injury. Please ensure adequate wet weather clothing is used. Gloves and shoes suitable for wet weather riding will help with using the bikes controls and maintaining grip on the pedals.

BATTERY SAFETY

If there are any doubts with the handling of the battery or bikes electronic systems, immediately cease and contact your Nukeproof Dealer.

HANDLING THE BATTERY

- Use the specified battery charger for charging and observe the specified charging conditions. Doing otherwise may cause overheating, bursting, or ignition.
- Do not leave the battery near sources of heat such as heaters. Doing so may cause bursting or ignition.
- Do not heat the battery or throw it into a fire. Doing so may cause bursting or ignition.
- Do not deform, modify, disassemble, or apply solder directly to the battery. Doing so may cause leakage, overheating, bursting, or ignition.
- Do not connect the terminals with metallic objects. Doing so may cause them to short circuit or overheat and result in burns or injury.
- Do not carry or store the battery together with metallic objects such as necklaces or hairpins. Doing so may cause them to short circuit or overheat and result in burns or injury.
- Do not place the battery into fresh water or sea water, and do not allow the battery terminals to get wet. Doing otherwise may cause it to overheat, burst, or ignite.
- Do not throw or subject the battery to strong shock. Doing so may cause overheating, bursting, or ignition.
- Charge your battery in a visible location within range of smoke/fire detectors.
- If your battery comes to the end of its service life, please dispose in accordance with your local regulations.
- Do not use a pressure washer on your battery.
- In the unlikely event of a fire, do not use water, use an electrical certified fire extinguisher or fire blanket and notify emergency services.
- Do not use outside of the operating temperature range of the battery. If the battery is used or stored in temperatures which are outside the following ranges, fire, injury or problems with operation may occur.
    - During discharge: -10°C - 50°C
    - During charging: 0°C - 40°C
    - Storage 0°C - 35°C

HANDLING THE CHARGER

- Do not allow the battery charger to get wet. If it is wet or water is allowed inside, it could cause a fire, ignition, overheating, or electric shock.
- Do not use it while it is wet, and do not touch or hold it with wet hands. An electric shock may occur.
- Do not use the battery charger when it is covered with a cloth or other material. Doing otherwise may cause the heat to build up and the case may become deformed, or fire, ignition, or overheating may occur.
- Do not disassemble or modify the battery charger. If this is not observed, electric shocks or injury may occur.
- Use the battery charger at the specified power supply voltage only. If a power supply voltage other than that specified is used, fire, destruction, smoke, overheating, electric shocks or burns may occur.
- Use the specified battery and battery charger combination for charging and observe the specified charging conditions. Doing otherwise may cause overheating, bursting, or ignition.

TRANSPORTING YOUR BIKE

- Remove your battery and store safely when travelling with your bike.
- It is recommended not to carry your bike on the outside of your vehicle during rain unless protected/covered. All Steps components are protected from water but travelling at speed can cause water ingress.
- Check if there is any local battery restrictions or regulations while travelling by vehicle.
- If flying with bike, please check battery policies with airlines.

SECTION 11 - WARRANTY

NUKEPROOF WARRANTY TERMS

Nukeproof warranties against manufacturing defects for the periods specified below. We will repair or replace any item verified as a legitimate warranty claim.

You can download the Nukeproof warranty claim form here.

WHAT IS COVERED?

This warranty covers the original purchaser from defects in materials, paint and workmanship from the original purchase date for a period as listed below:

- Nukeproof Frames = 5 Years (2016-CURRENT, excluding Downhill products)
- Nukeproof Components = 2 Years (lifetime on Carbon Handlebars)
- Fox Suspension = 2 years
- RockShox Suspension = 2 years
- Shimano Components = 2 years
- Shimano Steps motor and components = 2 years

Transfer of the item from the original purchaser to another person terminates this limited warranty and proof of purchase is required to validate the warranty period.
Where we repair or replace items under Warranty they are covered for the remainder of the original warranty period and subject to the conditions outlined in the original warranty.

This limited warranty does not cover items used in rental operations or any defect caused by wear and tear, accident, neglect, improper handling, abuse, misuse, improper assembly, incorrectly performed maintenance or repairs, non-compliance with recommended maintenance and care procedures, racing or competition use.

NB: Bearings that fail due to contamination, misuse, improper, or lack of maintenance are not covered under warranty even if failure occurs within a short time from date of purchase. Water ingress from power washing will invalidate this warranty. Stripped pedal threads on cranks are also not covered under warranty.

CONSEQUENTIAL LOSS

Nukeproof is not responsible for direct, incidental or consequential damages resulting from any breach of warranty or condition or under any other legal theory, including but not limited to loss of use, loss of revenue, loss of actual or anticipated profits (including contracts) loss of the use of money, loss of anticipated savings, loss of business, opportunity, goodwill, reputation, any indirect or consequential loss.

FRAME CRASH REPLACEMENT

Nukeproof understand that accidents do happen and endeavour to produce some of the most reliable products available. However, in the event of a crash, Nukeproof offer a crash replacement service on all frames within the term of their warranty period. A discounted replacement will be offered through the registered dealer where the product was purchased. In circumstances where the dealer is unable to fulfil the service, a crash replacement will be dealt with through the International Distributor directly
www.hotlines-uk.com
Terms and conditions apply.

HOW TO MAKE YOUR WARRANTY CLAIM

Complete the online form with as much information as possible and include images if you can. (Be sure they are in focus) A copy of this form must then be supplied to the retailer where the item was purchased for it to be logged and for a resolution to be offered through Nukeproof or one of its affiliated distribution partners.

If you are unable to provide an official Nukeproof warranty claim form, a letter or suitable document must be provided containing all of the following information:

Customer details:
- Full name
- Order reference or copy of shop receipt (with store name)
- Telephone number
- Address and Post Code
- Email address

Product details:
- Model, Stock ID, Serial number
- Photograph of the problem if possible
- Description of the issue and how it happened

Preferred Action to resolve:
(detail the resolution you want from your dealer)

REGISTERING YOUR BIKE

You do not need to register your bike for warranty, your dealer will have a record of the sale and keep any invoice/receipts supplied with the bike as proof of purchase.

MOTOR AND SOFTWARE TAMPERING

Manipulation of the STEPS motor hardware and software to increase the performance and maximum supported speed is illegal against EN15194-2017, this is harmonised with UK legislation pre and post Brexit. Manipulation of the software and hardware is detectable through E-Tube and will void warranty. In a case where a bike develops a fault and any manipulation is detected, warranty will be voided. Manipulation of your Steps hardware and Software will cause premature wear, failures and can lead to prosecution by authorities if detected.

Key Points for E-Bike legislation affecting your Megawatt (UK), rest of the world please check local legislation/laws regarding e-bike use

- Bike must be fitted with pedals which are capable of propelling it.
- The maximum continuous rated power of the electric motor must not exceed 250 Watts.
- The electric assistance must cut-off at 15.5mph
- E-Bike users must be 14 years and over
- EN15194 bikes are except from MOT/ Vehicle Tax/Licence

THIRD PARTY WARRANTY

Please familiarise yourself with the respective manufacturer's warranty policies. We endeavour to select and install the most reliable components for our bikes, any unlikely issues with the following third party components please consult with your Nukeproof dealer and they will resolve with Nukeproof and the manufacturer on your behalf.

> RockShox/SRAM Warranty

> Shimano Component Warranty

> Shimano Steps

> Fox Warranty

GCC NP22-E-001

NUKEPROOF BIKES HEREBY CERTIFIES THAT THE BICYCLES LISTED IN TABLE A CONFORM TO THE CONSUMER PRODUCT SAFETY COMMISSION'S PRODUCT SAFETY RULES REGARDING THE:

- SAFETY STANDARD FOR BICYCLES (16CFR 1512)
- FCC PART 15, SUBPART B (E-CFR 47)

MODEL NAME	SERIAL RANGE
MEGAWATT 297 (COMP, ELITE, FACTORY, RS)	IC21XXXXX- IC22XXXXX

MANUFACTURER

WIGGLE LTD
1000 LAKESIDE,
SUITE 310, THIRD FLOOR, N E WING
PORTSMOUTH, HAMPSHIRE
P06 3EN
UNITED KINGDOM

DEPARTMENT MAINTAINING RECORDS OF TEST RESULTS IS INCLUDED BELOW:

COMPLIANCE DEPT. WIGGLE LTD
1000 LAKESIDE,
SUITE 310, THIRD FLOOR, N E WING
PORTSMOUTH, HAMPSHIRE
P06 3EN
UNITED KINGDOM

EMAIL: PRODUCTCOMPLIANCE@WIGGLECRC.COM

MANUFACTURING INFORMATION

MANUFACTURED ON OR AFTER JANUARY 2022 IN TAICHUNG, TAIWAN

TESTING INFORMATION

TEST DATA AND OTHER RELEVANT INFORMATION IS EVALUATED FOR COMPLIANCE WITH 16CFR1512 ON EACH PRODUCTION AND EXCEEDS CPSC REQUIREMENTS

THIRD PARTY LABORATORY INFORMATION

TESTING HAS BEEN COMPLETED BY-

ACT TESTING INC.
42844台中市大雅區民生路三段267巷12-1號一樓
1F. NO. 12-1, LANE 267, SEC.3, MINSHENG RD.,
DAYA DIST., TAICHUNG CITY, 42844 TAIWAN
PHONE: 886-4-2569-1456 EX.203