

Introduction

Thank you for choosing WOODALPS bikes! This manual is designed to help you enjoy your bike safely and get the most out of it. Before using your bike, we recommend reading this guide carefully.

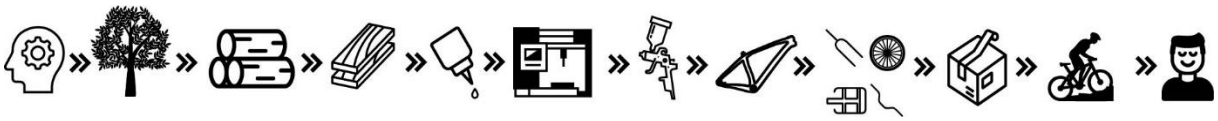
This user manual applies to the following bikes:

- **GROOTY** (Road bike)
- **BRANCHY** (Gravel bike)
- **YGGY** (Mountain bike)

WOODALPS

Table of Contents

1 Recommended Torque Settings 3
2 Pre-Ride Checklist 6
3 Maintenance & Care 8
3.1 Cleaning 9
3.2 Lubrication 9
3.3 Tubeless tires 9
4 Bike usage 10
4.1 Gear usage 10
4.2 SRAM AXS Shifting System 11
4.3 Shimano Di2 Shifting System 12
5 Interfaces 13
5.1 Tire width 13
5.2 Headset interface 14
5.3 Cables routing 14
5.4 Bottom bracket interface 14
5.5 Seatpost interface 16
5.6 Rear wheel interface 16
5.7 Rear derailleur interface 16
5.8 Front derailleur interface 16
5.9 Rear brake caliper interface 16
5.10 Interfaces Bikepacking (GROOTY ENDURANCE & BRANCHY) 17
5.11 Interfaces garde boues et / ou porte bagage (BRANCHY) 18
6 Troubleshooting 20
6.1 Gears issues 20
6.2 Unusual noises 21
6.3 Frame damage 21
7 Conclusion 22



I Recommended Torque Settings

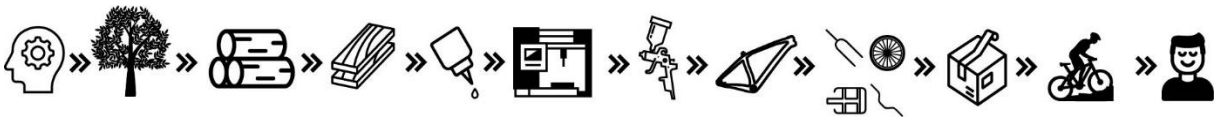
Model	Interface	Torque	*Picture*
GROOTY BRANCHY YGGY	Seat post clamp bolt	5 N.m (unless otherwise specified on the clamp)	
GROOTY BRANCHY YGGY	Stem fixation bolts on steerer tube	5 N.m (unless otherwise specified on the stem)	
GROOTY BRANCHY YGGY	Handlebar clamp bolts	5 N.m (unless otherwise specified on the stem)	

GROOTY BRANCHY YGGY	Cassette lockring	40 N.m	
GROOTY BRANCHY YGGY	Center Lock brake disc	40 N.m	
GROOTY BRANCHY YGGY	Rear brake caliper GROOTY : 2 screws M5x45 BRANCHY : 2 screws M5x50 + washer	3 N.m	
GROOTY BRANCHY YGGY	6-bolt brake disc	5 N.m	

YGGY	Rear dropout bolts (8x M6x40)	6 N.m	

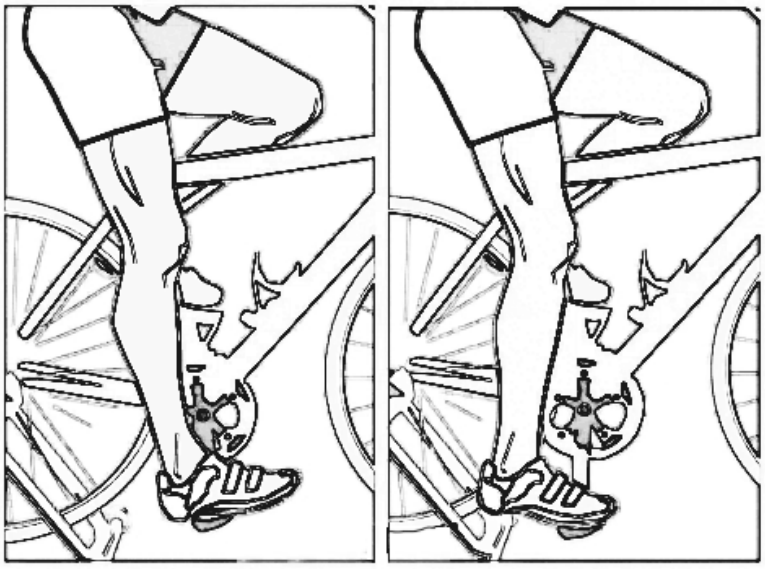
2 Pre-Ride Checklist

- ✓ Ensure wheels are properly installed and tightened.
- ✓ Check that brake calipers are torqued to the recommended setting.
- ✓ Verify that the stem is securely attached to the steerer tube.
- ✓ No play in the headset (test by applying the front brake and rocking the bike back and forth). If there is any play, loosen the bolts connecting the stem to the fork steerer, tighten the vertical bolt at the top of the steerer tube (fixed into a star nut or an expander for carbon forks), check that the play is eliminated, then retighten the stem bolts. A feeling of play in the steering can also be caused by a loose brake disc or caliper.
- ✓ Ensure handlebars are securely attached to the stem.
- ✓ Confirm pedals are properly tightened (right pedal threads clockwise, left pedal threads counterclockwise).
- ✓ Cassette is torqued to the recommended setting.
- ✓ Seat post is securely clamped. If not tightened sufficiently, the saddle may gradually lower during a ride. When the bike is new, the saddle may still lower slightly even at the recommended torque during the first uses. Don't forget to carry a multi-tool to readjust the saddle if needed.

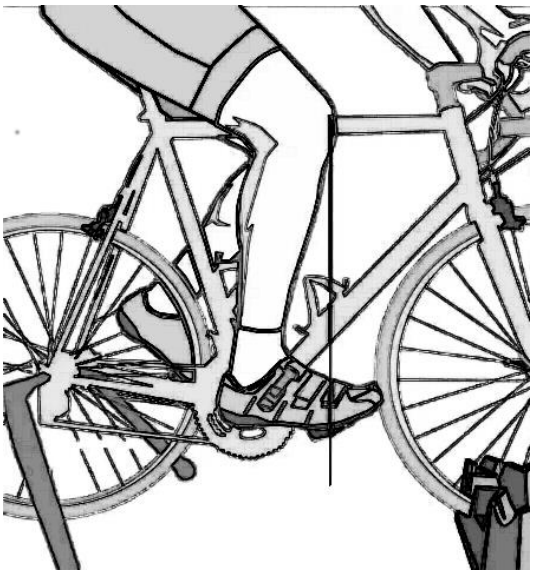


- Saddle Adjustments Before First Use:

Height: Adjust so that your legs are slightly bent when pedaling, or fully extended when placing your heel on the pedal.



Fore-Aft Position: Align knee cap with the pedal axle when pedals are horizontal (use a plumb line for accuracy).



- **Angle:** Keep the saddle parallel to the ground for optimal comfort.

3 Maintenance & Care

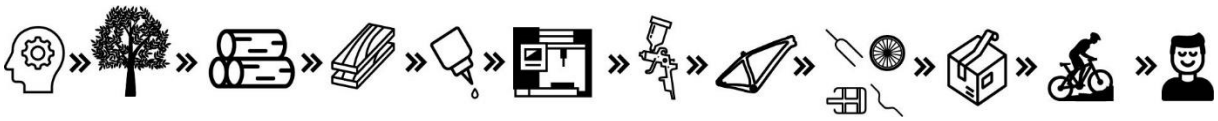
Tire pressure:

Check the tire pressure before each ride.

Tubeless tires tend to lose pressure more than tires used with inner tubes.

Modèle	***Type de roues***	***Pression recommandée***	***Pression maximum***
YGGY	Tubeless	Around 2 bar (1.5-2.5)	Refer to manufacturer specs
BRANCHY	Carbon wheels	Around 2 bar, min 1.5, max 4 for slick tires	Refer wheels and tire manufacturer specs Generally, the values are around : 5 bars for 28mm tire 4 bars for 40mm tire 3 bars for 50mm tire
GROOTY	Carbon wheels	5 bars pour les pneus 28mm 6 bars pour les pneus 25mm (sur jantes avec crochets)	Refer wheels and tire manufacturer specs Generally, the values are around : 6.5 bars for rims with hooks. 5 bars for hookless rims.

A deviation from the wheel manufacturer's specifications can cause tire or wheel failure, leading to loss of control or an accident.



3.1 Cleaning

WOODALPS wooden frames are coated with polyurethane varnish inside and out. They are water and solvent-resistant and can be cleaned like aluminum or carbon bikes.

3.2 Lubrication

Apply lubricant to the chain every 100-200 km. Avoid lubricants on brake discs and pads.

3.3 Tubeless tires

Bikes equipped with tubeless tires contain STANS sealant.



The amount of sealant gradually decreases, notably due to punctures that seal automatically, and its effectiveness diminishes over time. It is recommended to add sealant periodically, about once a year, depending on frequency and conditions of use.

For full details on using tubeless tires, please refer to the STANS guide:

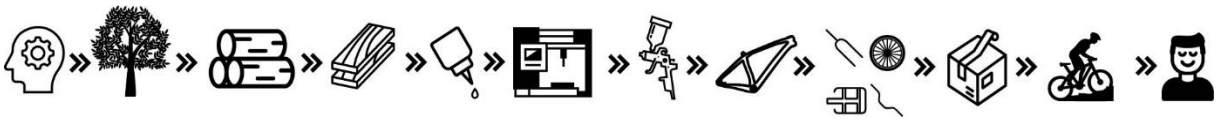
https://stans.com/pages/tubeless-guide

4 Bike usage

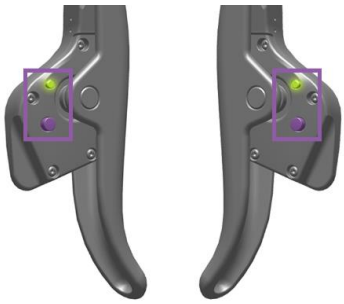
4.1 Gear usage

Refer to manufacturer user manuals:

Shimano user manuals	https://si.shimano.com/fr/manual/
Sram Road AXS and XPLR AXS	https://docs.sram.com/en-US/publications/6TmfV97fHWv8kvGXVegoTy/UM%20-%20Road%20AXS%20and%20XPLR%20AXS
Sram Eagle AXS	https://www.sram.com/globalassets/document-hierarchy/user-manuals/sram-mtb/drivetrain/eagle-axs-systems-user-manual-eeu.pdf



4.2 SRAM AXS Shifting System

Derailleur battery life	15-20h of use	
Shifter battery life	1x CR2032 ≈ 2 ans	
Battery charging time	Approximately 60 min	
How to check the derailleur battery status	Press the AXS button on the derailleur. The LED color indicates the charge level.	
How to check the shifter battery status	Press the AXS button on the shifter. The LED color indicates the charge level.	
How to charge the battery	Remove the battery. Charge the battery using the dedicated charger.	 

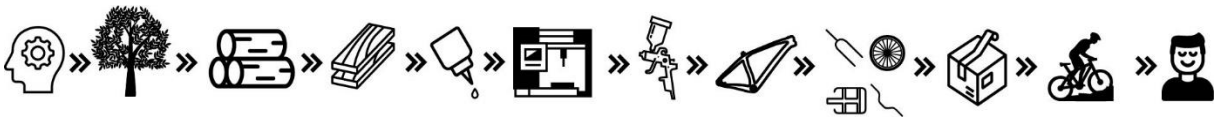
4.3 Shimano Di2 Shifting System

Derailleur battery life	>1000km	
Shifter battery life	1x CR1632 ≈ 1 - 2 years	
Battery charging time	≈ 90 min	
How to check the derailleur battery status	Single press on the derailleur button	
How to check the shifter battery status	Press and hold for two seconds on the left or right shifter	
How to charge the battery	Plug the dedicated charging cable into the derailleur	

5 Interfaces

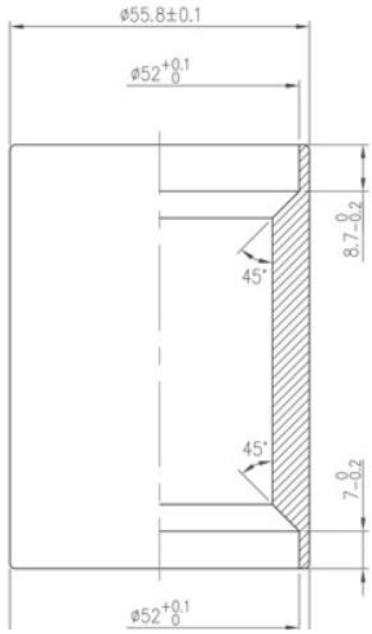
5.1 Tire width

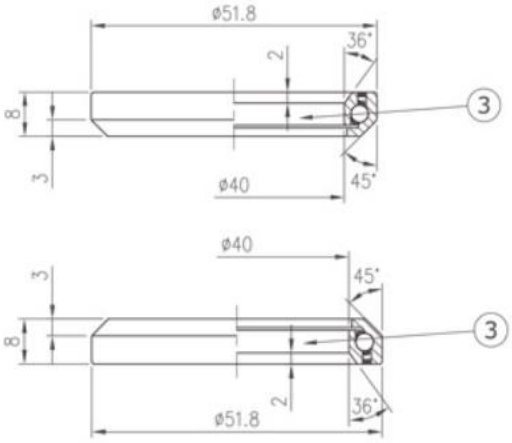
Model	***Minimum width***	***Maximum width***	***Recommended Pressure***
YGGY	1.9''	2.4''	2.3'' for off-road use
GROOTY Race	25mm	30mm	25-28mm
GROOTY Endurance	25mm	32mm	28-30mm
BRANCHY	30mm	48mm	30mm for mainly road use 35mm to optimize speed on slightly rough terrain 40mm for a good compromise 45mm for rough terrain



5.2 Headset interface

Headset type is IS52 / IS52 on YGGY, BROOTY and BRANCHY.

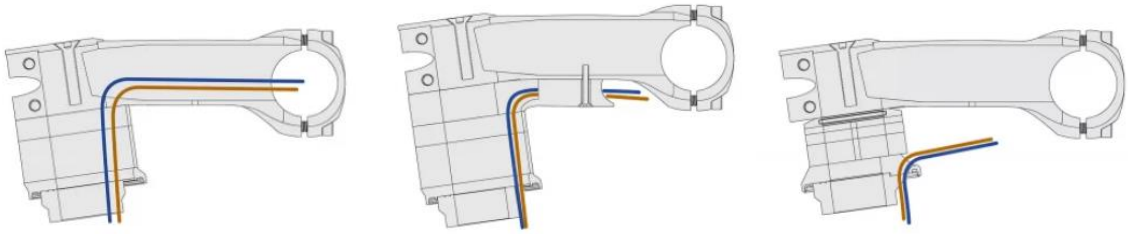




The YGGY, BRANCHY, and GROOTY bikes are notably compatible with FSA N°55, FSA N°69, DEDA DCR, DEDA S-DCR, Ritchey Switch headsets, and many others.

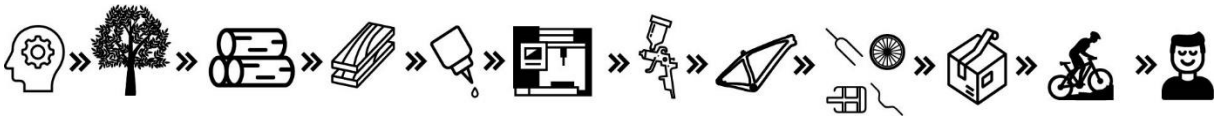
5.3 Cables routing

The frames are designed for cable integration within the frame. There are several possible routing options for cables and hoses.
It is possible to integrate up to 4 cables/hoses with the systems mentioned above (e.g., 2 hoses and 2 cables).



5.4 Bottom bracket interface

The WOODALPS wooden bikes have a Pressfit PF30 interface with the bottom bracket.



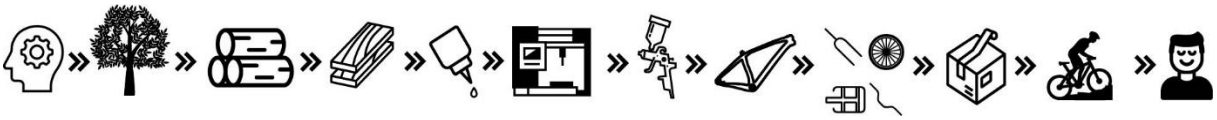
- Length 68mm for BRANCHY & GROOTY
- Length 73mm for YGGY



Adapters allow most cranksets, Shimano, Sram, or others, to be installed.
Example of an adapter to install a BSA threaded bottom bracket (TOKEN TK4624).

TOKEN TK4624 + boitier BSA	
Boîtier de pédalier MICHE EVO MAX PF30 46-24	





It is strongly recommended to use LOCTITE 641 retaining compound between the adapter and the carbon insert to ensure that there is no micro-movement that could generate noise.

It is necessary to apply LOCTITE SF 7649 activator to the surfaces of the bottom bracket shell. (LOCTITE 641 cures without an activator only on metal surfaces. Since the interface is carbon, LOCTITE 641 will not cure without an activator.)

Apply the retaining compound to both surfaces (the bottom bracket shell and the insert in the frame), using a cotton swab, for example.

5.5 Seatpost interface

Seatpost diameter : 31.6mm

Seatclamp diameter : 34.9mm

5.6 Rear wheel interface

GROOTY & BRANCHY : 12x142mm, axle length 175mm, thread M12x1.5

YGGY : 12x148, axle length 180mm, thread M12x1.75

5.7 Rear derailleur interface

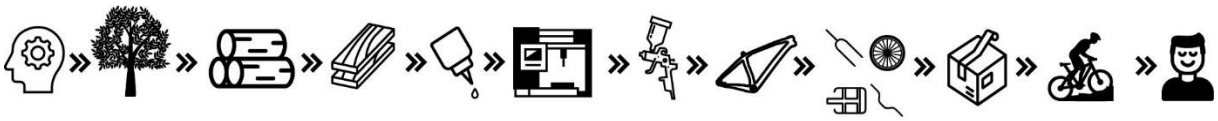
The rear derailleur interfaces are non-UDH on all models

5.8 Front derailleur interface

The GROOTY (road) frames are equipped by default with a front derailleur interface. The BRANCHY frames are equipped with a front derailleur interface upon request.
Both mechanical cable and electronic derailleurs can be installed..

5.9 Rear brake caliper interface

YGGY	IS to postmount adapter is necessary	Utiliser les vis fournies avec l'adaptateur
BRANCHY	Flatmount interface for Ø160mm discs 2x screw M5x50 + washers	The caliper must be mounted with the screws provided, as the screws included with the calipers are too short and cannot be used. The frames are supplied with two appropriate screws and washers.
GROOTY	Flatmount interface for Ø140mm discs or Ø160mm with adapter. 2x screw M5x45 + washers	



		The screws should be secured with threadlocker (Loctite 243). 

5.10 Interfaces Bikepacking (GROOTY ENDURANCE & BRANCHY)

The BRANCHY frames are equipped with interfaces for mounting frame bags.

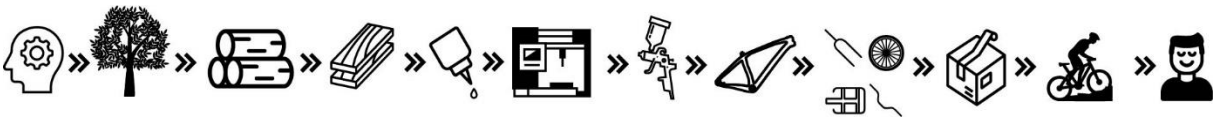
The GROOTY Endurance frames can be equipped with interfaces for mounting frame bags upon request.

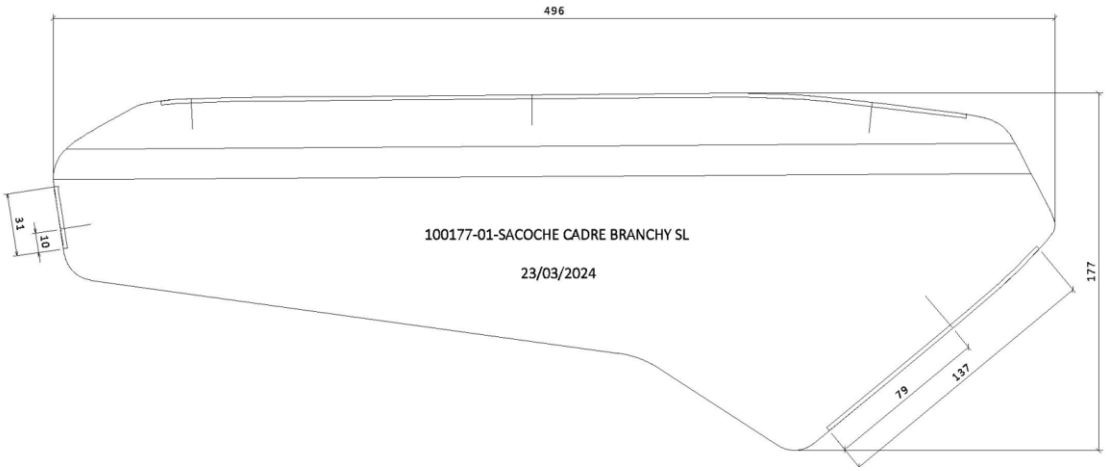
Two M5 stainless steel thread inserts allow for the mounting of a top tube bag.

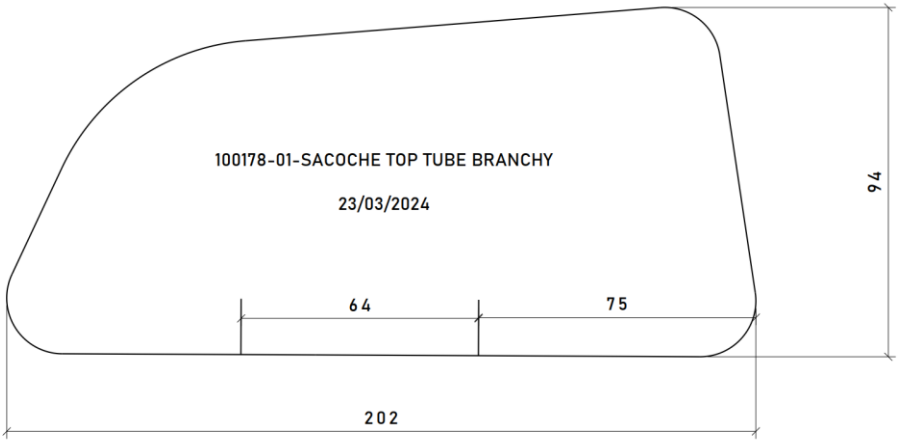
Five M5 stainless steel inserts allow for the mounting of a frame bag.

Details of the bikepacking interface positions on BRANCHY can be provided upon request. An SVG or DXF file can also be provided to allow for the creation of custom bags.

Example drawing for making bags:







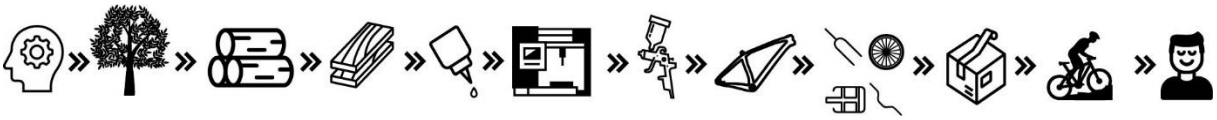


Custom frame bags by GunungApi (https://www.etsy.com/fr/shop/GunungApi)

Custom bags can be provided. Contact us for more details.

5.11 Interfaces garde boues et / ou porte bagage (BRANCHY)

The BRANCHY frames have interfaces for mounting fenders and/or a rear rack.



A bracket is provided (usually not installed), necessary for fixing a fender or a rear rack.

The BRANCHY model is notably compatible with HEBIE ALUMEE fenders, ideal for a commuter application.

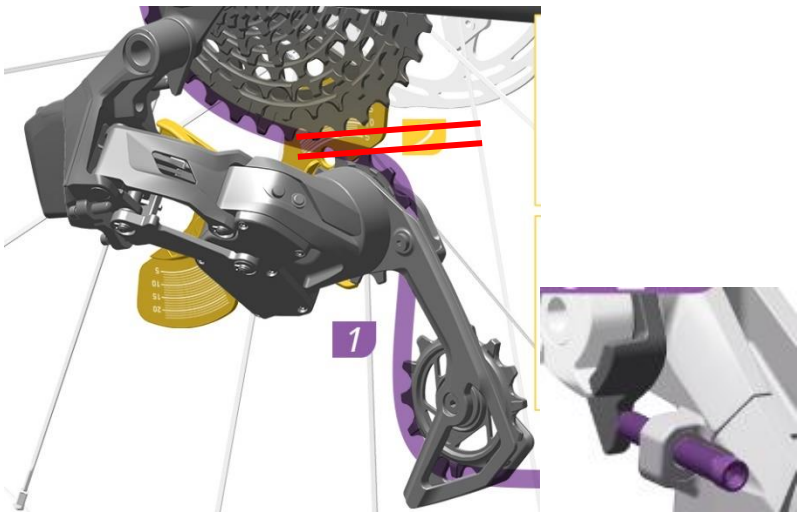
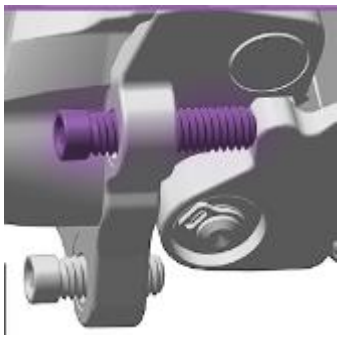
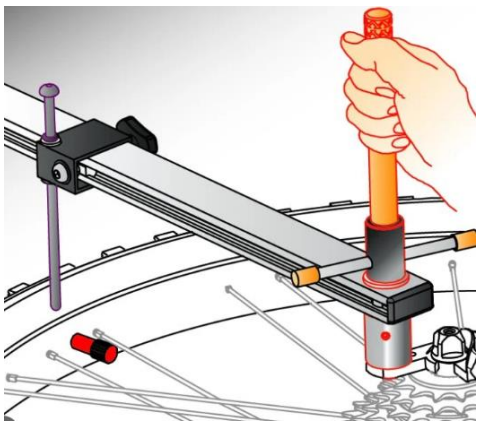


6 Troubleshooting

6.1 Gears issues

If the gears do not shift properly, there are multiple possible reasons.

Check the following points or consult a professional for precise adjustment if necessary.

Distance between the largest cog and the upper jockey wheel of the derailleur when the chain is on the largest cog) A specific tool is can help to make this adjustment accurately."	
High and low derailleur limit adjustment	
Checking the derailleur hanger alignment. A specific tool is required. If the derailleur hanger alignment is incorrect, it should be corrected with the tool.	

6.2 Unusual noises

If you hear clicking or squeaking noises, it is likely that some parts need lubrication or tightening. Check the components and consult a mechanic if you're unsure.

Potential Cause	***Corrective Action***
Lack of cassette tightening	Check cassette tightening with a torque wrench
Lack of brake disc tightening	Check brake disc tightening with a torque wrench
Worn bottom bracket bearing	Replace the bottom bracket
Play in PF30 bottom bracket	Disassemble the PF30 bottom bracket and reinstall using LOCTITE 641
Worn disc brake pads	-
Misaligned disc brake calipers	-
Poorly adjusted derailleurs	-

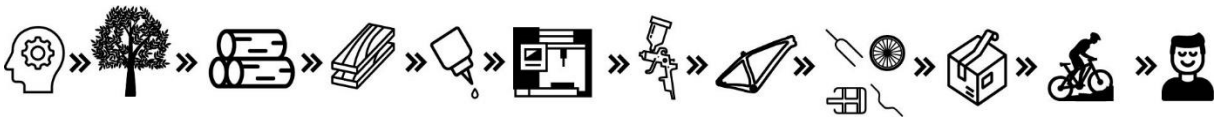
6.3 Frame damage

In case of damage to the frame, it is generally possible to make a local repair.

You can contact us to assess the most suitable repair solution.

The varnish used on WOODALPS frames is a professional-grade varnish designed for the marine industry. The varnish is highly resistant to impacts and shows excellent aging properties.

However, if after several years of intensive use the frame's finish shows signs of wear, feel free to contact us so we can determine the best solution to restore your WOODALPS frame



7 Conclusion

We are sure you will enjoy your wooden bike, as will all the people you will meet. Get ready to be frequently approached and asked questions!

If you have any questions or concerns, feel free to contact us at the address.

contact@woodalps.com

Enjoy your ride !

