



Atherton
bikes

USER MANUAL
S. 200

WELCOME

Welcome to the Atherton Bikes family! To say this brand has been a lifetime in the making is no exaggeration, Dan built his first bike in 1992 when he was just 10 years old. But by 2019 our dream of pushing bike development as hard as we push our riding became irresistible.

For 5 years we've put our hearts and souls into designing a range of bikes with the same attention to detail we apply to our racing. That bike range has more than proved itself through World Cup wins, consumer awards and World Championship Gold & Silver medals as well as scores of rave reviews from both customers and media.

But from the beginning we've wanted to see more people enjoying our bikes. Welcome to the S-Series which brings the Atherton approach to an aluminium bike, we know you're going to love it.

Dan, Gee & Rach.

The S.200

The Aluminium DH Bike You Always Wanted

The S.200 is hand built in Machynlleth and is optimised for strength. The super-durable S.200 comes with a full Atherton race pedigree but is guaranteed to bring the goods in the park. It features the DW4 suspension platform offering great performance compatible with a "chuck it in the van" maintenance schedule and combines our world-beating DH geometry with sharp handling and plenty of pop.



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ISI

FRAME SPECIFICATION

Frame Construction: Bonded 7075 T6 Aluminium

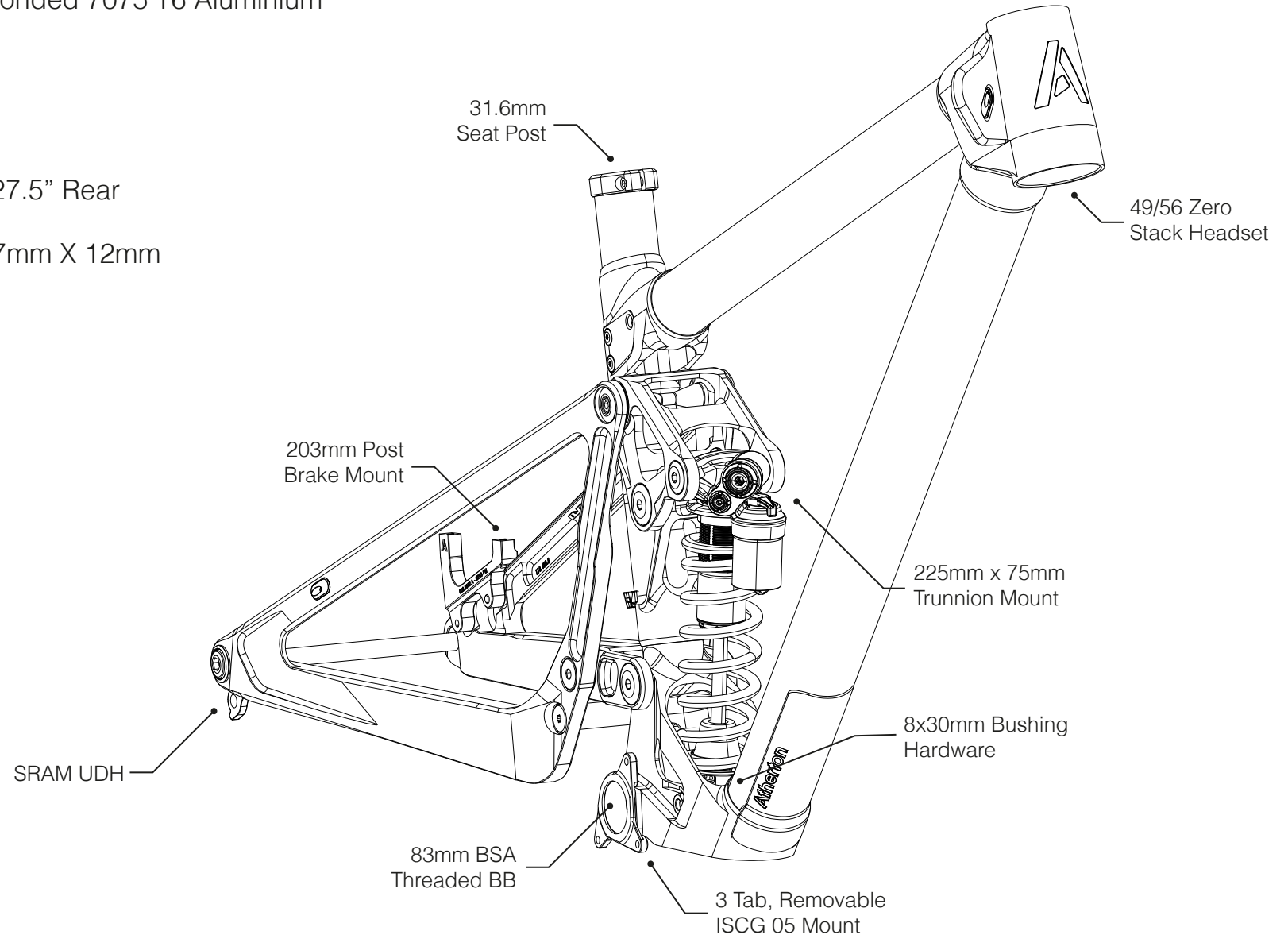
Rear Travel: 200mm

Front Travel: 200mm

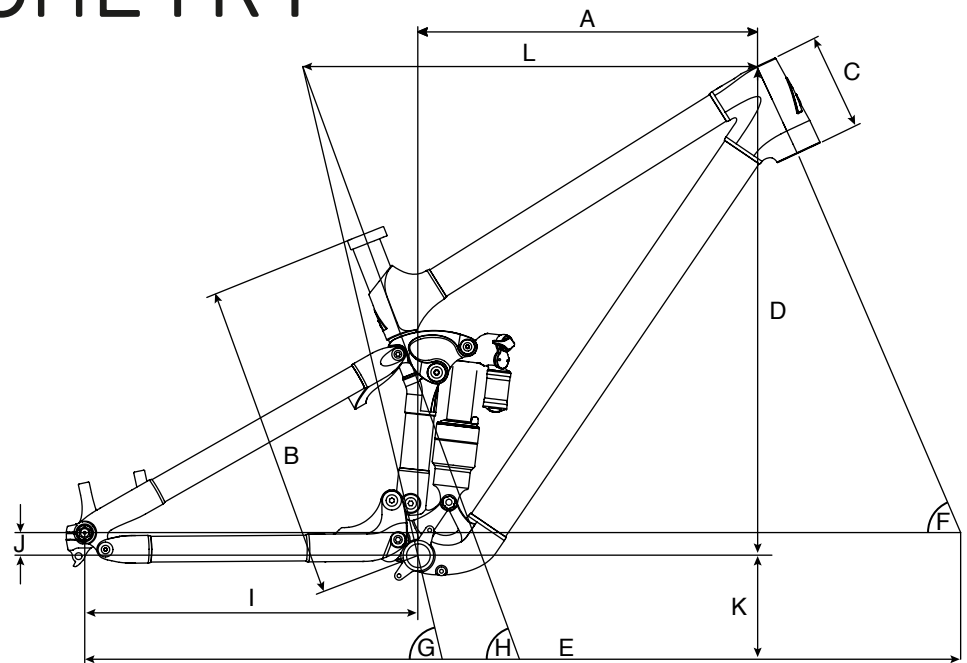
Wheel Size: 29" Front, 27.5" Rear

Rear Axle Spacing: 157mm X 12mm

Cable Routing: Internal



FRAME GEOMETRY



Size	A Reach (mm)	B Seattube Length (mm)	C Headtube (mm)	D Stack (mm)	E Wheelbase (mm)	F Head Angle (°)	G Effective Seattube Angle (°)	H Actual Seattube Angle (°)	I Chainstay (mm)	J BB Offset (mm)	K BB Height (mm)
1	410	420	100	628	1221	63	76	73.5	445	-5	350
2	420	420	100	628	1231	63	76	73.5	445	-5	350
3	430	420	100	628	1241	63	76	73.5	445	-5	350
4	440	420	100	628	1251	63	76	73.5	445	-5	350
5	450	420	110	636	1271	63	76	73.5	450	-5	350
6	460	420	110	636	1281	63	76	73.5	450	-5	350
7	470	420	110	636	1291	63	76	73.5	450	-5	350
8	480	420	110	636	1301	63	76	73.5	450	-5	350
9	490	420	120	645	1321	63	76	73.5	455	-5	350
10	500	420	120	645	1331	63	76	73.5	455	-5	350
11	510	420	120	645	1341	63	76	73.5	455	-5	350
12	520	420	120	645	1351	63	76	73.5	455	-5	350



FRAME HARDWARE



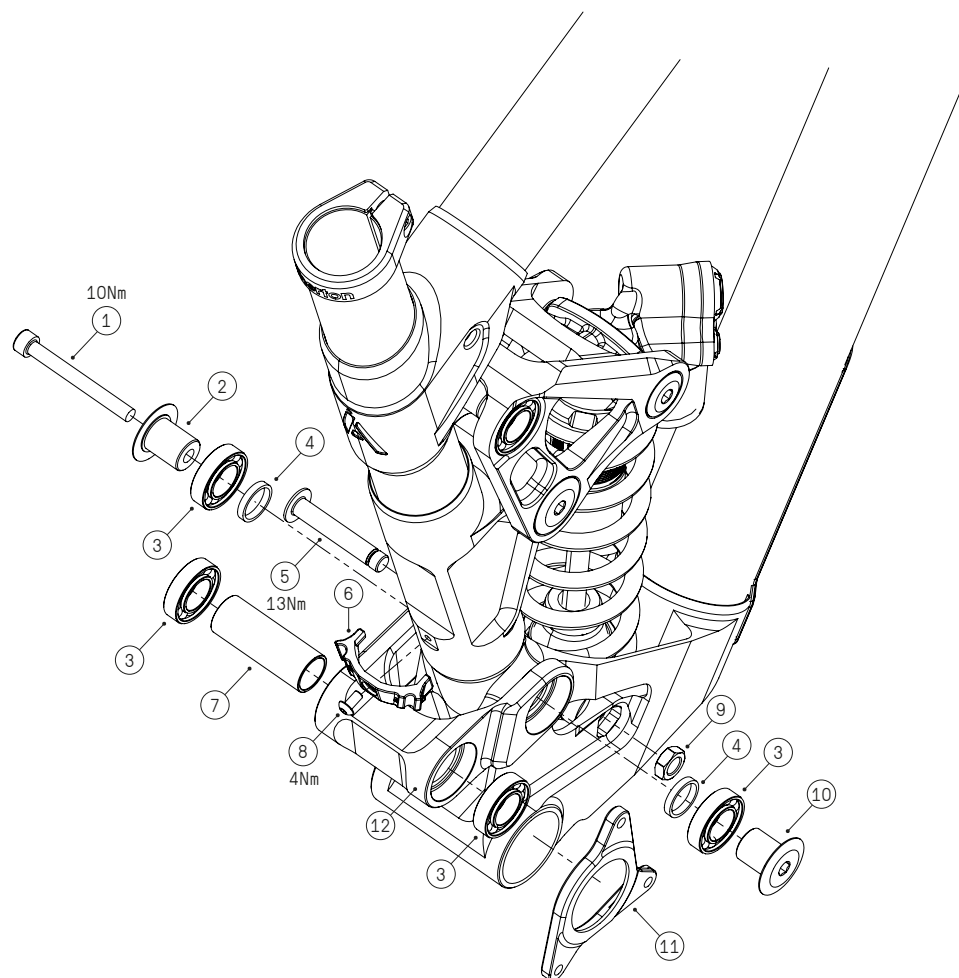
Ref.	Part No.	Description	Qty.
1	013.M6-60.CH.AL.NAT	M6x60 SOCKET HEAD CAP SCREW	2
2	002.2045	SEAT TUBE PIVOT MALE (MM)	2
3	013.BRG.6902	6902 LLU MAX BEARING	8
4	002.1006	SPACER 18x15x3	4
5	002.2048	SHOCK LOWER MOUNT PIVOT MM	1
6	007.1011	ROCKER MOUNT CABLE TIE BLOCK	1
7	002.2037	ANTI-CRUSH SPACER 18X15x55.25	1
8	013.M4-8.BH.AL.BLK	M4x8 BUTTON HEAD SOCKET SCREW	1
9	013.M8.N.NAT	M8 HEX NUT	1
10	002.2044	SEAT TUBE PIVOT FEMALE (MM)	2
11	002.2040	ISCG 05 MOUNT - S RANGE	1
12	118.5002	LOWER LINK	1
13	002.2050	DH ANTI-CRUSH SPACER 18x15x58	1
14	002.2046	SHOCK UPPER MOUNT PIVOT MM	2
15	013.BRG.6900	6900 LLU MAX BEARING	2
16	002.1007	SPACER 13x10x3	2
17	118.5001	ROCKER	1
18	013.M6-55.CH.AL.NAT	M6x55 SOCKET HEAD CAP SCREW	1
19	002.2011	SEAT TUBE PIVOT MALE	2
20	002.2035.83	DH DOUBLE SHEAR THROUGH AXLE	1
21	013.M6-16.LPCH.AL.NAT	M6x16 LOW HEAD CAP SCREW	1
22	013.M6-25.CH.AL.NAT	M6x25 SOCKET HEAD CAP SCREW	2

Ref.	Part No.	Description	Qty.
23	013.M6-16.CH.AL.NAT	M6x16 SOCKET HEAD CAP SCREW	2
24	002.2052	203mm P-P BRAKE MOUNT ADAPTER	1
25	00.4318.017.017	AX MAXLE STLTH REAR L188 (M12*1)	1
26	00.7918.093.000	UDH REAR DERAILLEUR HANGER	1
27		UDH FRAME WASHER	1
28		UDH BOLT	1
29	002.2047	39MM MACHINED SEAT CLAMP	1
30	013.M5-18.CH.AL.NAT	M5x18 SOCKET HEAD CAP SCREW	1
31	013.M5.BN.NAT	M5 BARREL NUT	1

Additional Information:

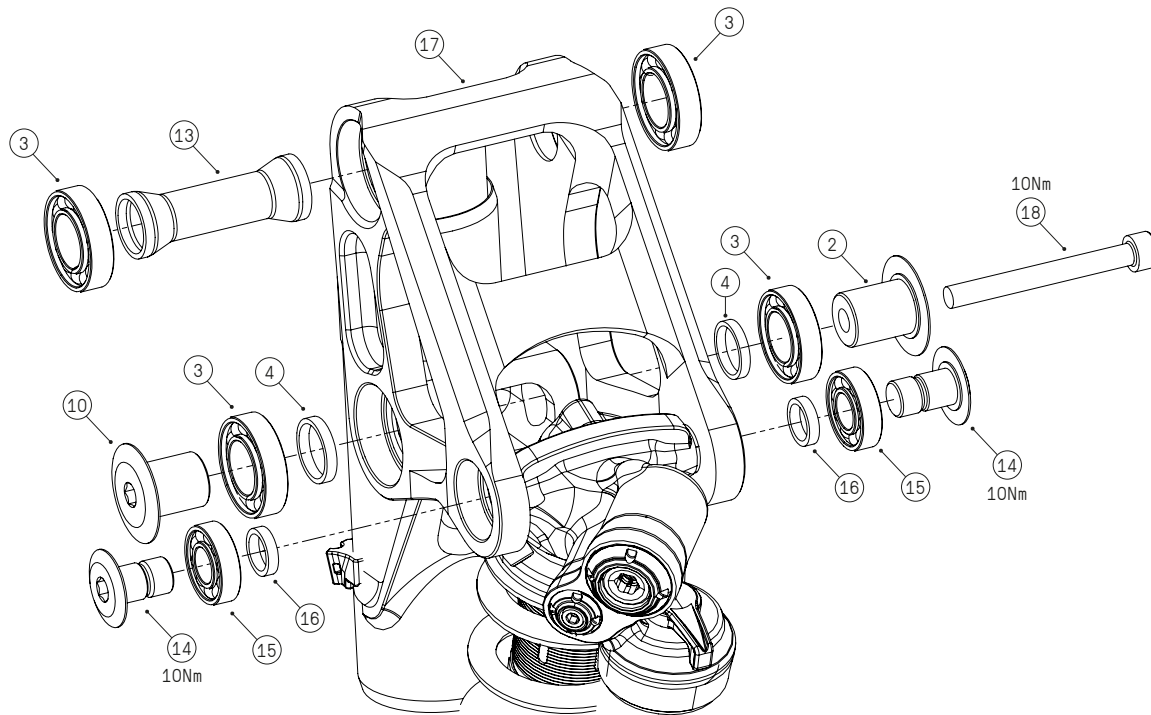
- Loctite 241 thread lock to be applied to threaded sections of all bolts (excluding seat clamp, BB shell and wheel axle).
- Multi-purpose grease to be applied to all pivot shafts, the rear axle shaft and the bearing housings.
- Torque values are location specific (see exploded diagrams).

LOWER LINKAGE ASSEMBLY



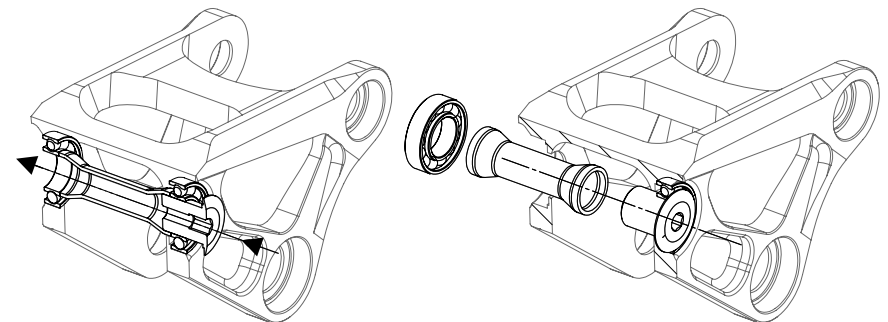
Ref.	Part No.	Description	Qty.
1	013.M6-60.CH.AL.NAT	M6x60 SOCKET HEAD CAP SCREW	1
2	002.2045	SEAT TUBE PIVOT MALE (MM)	1
3	013.BRG.6902	6902 LLU MAX BEARING	4
4	002.1006	SPACER 18x15x3	2
5	002.2048	SHOCK LOWER MOUNT PIVOT MM	1
6	007.1011	ROCKER MOUNT CABLE TIE BLOCK	1
7	002.2037	ANTI-CRUSH SPACER 18x15x55.25	1
8	013.M4-8.BH.AL.BLK	M4x8 BUTTON HEAD SOCKET SCREW	1
9	013.M8.N.NAT	M8 HEX NUT	1
10	002.2044	SEAT TUBE PIVOT FEMALE (MM)	1
11	002.2040	ISCG 05 MOUNT - S RANGE	1
12	118.5002	LOWER LINK	1

ROCKER LINKAGE ASSEMBLY



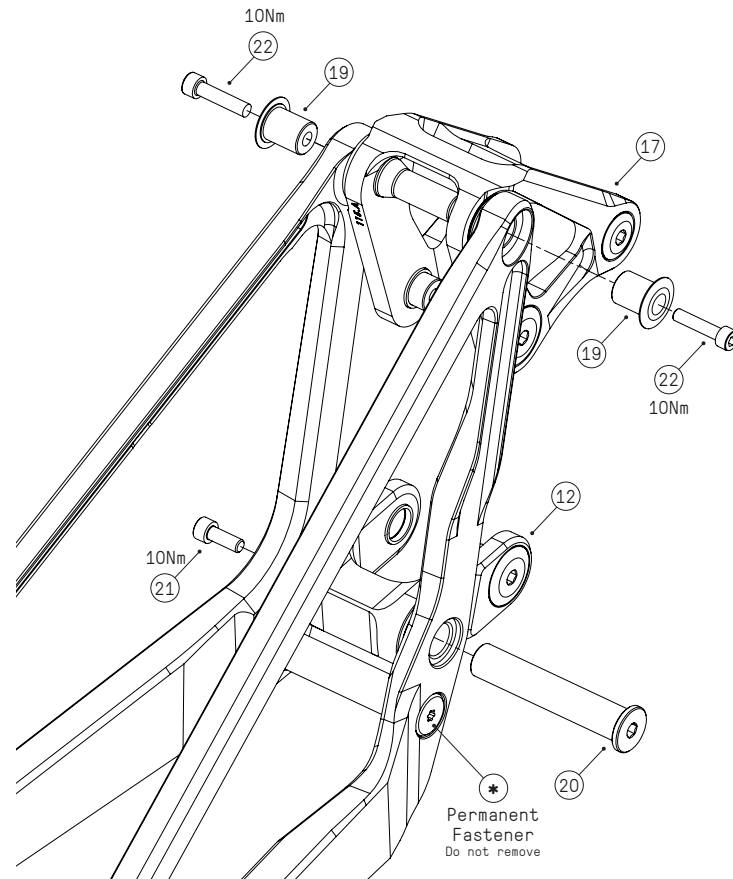
Ref.	Part No.	Description	Qty.
2	002.2045	SEAT TUBE PIVOT MALE (MM)	1
3	013.BRG.6902	6902 LLU MAX BEARING	4
4	002.1006	SPACER 18x15x3	2
10	002.2044	SEAT TUBE PIVOT FEMALE (MM)	1
13	002.2050	DH ANTI-CRUSH SPACER 18x15x58	1
14	002.2046	SHOCK UPPER MOUNT PIVOT MM	2
15	013.BRG.6900	6900 LLU MAX BEARING	2
16	002.1007	SPACER 13x10x3	2
17	118.5004	ROCKER	1
18	013.M6-55.CH.AL.NAT	M6x55 SOCKET HEAD CAP SCREW	1

Rocker Rear Bearing Removal



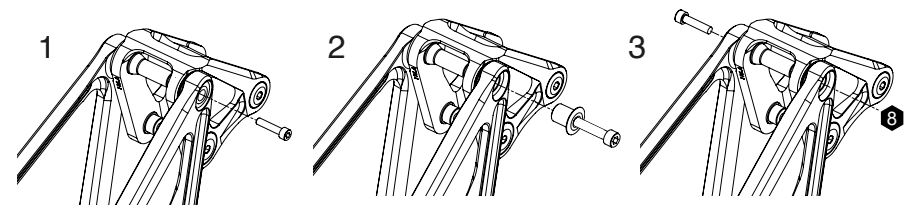
With the rocker removed from the frame, use its mounting hardware (002.2011, #19) and a soft mallet to knock the bearings and anti-crush spacer out of the rocker.

SWINGARM LINKAGE ASSEMBLY



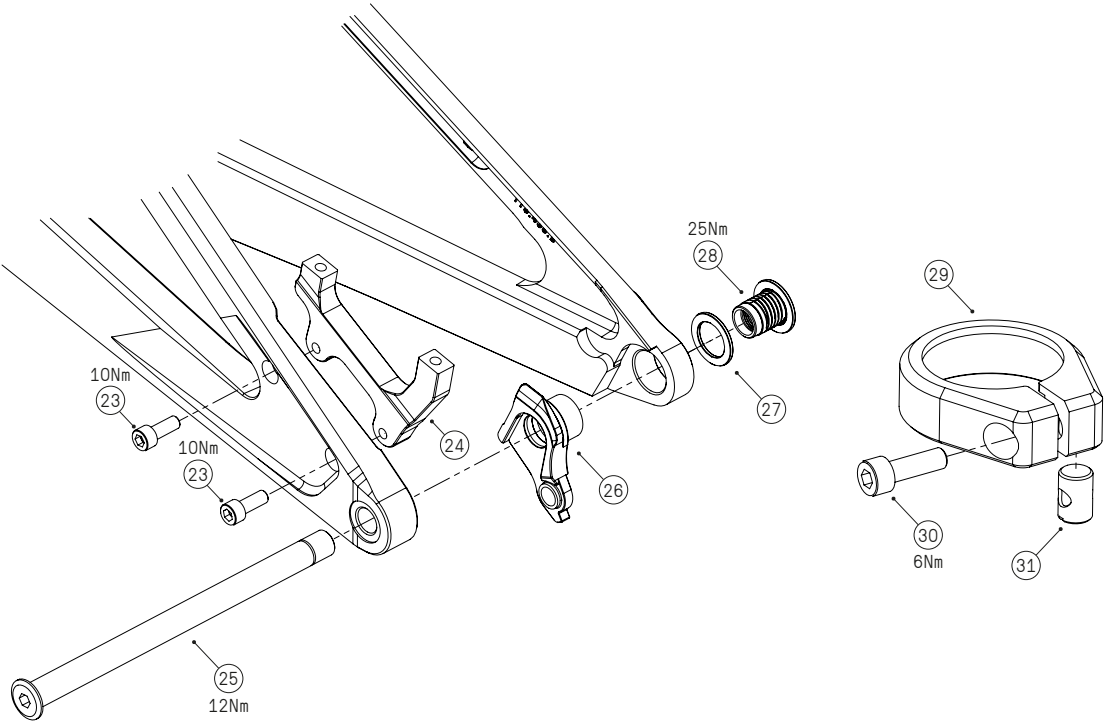
Ref.	Part No.	Description	Qty.
12	118.5002	LOWER LINK	1
17	118.5004	ROCKER	1
18	013.M6-25.CH.AL.NAT	M6x25 SOCKET HEAD CAP SCREW	2
19	002.2011	SEAT TUBE PIVOT MALE	2
20	002.2035.83	DH DOUBLE SHEAR THROUGH AXLE	1
21	013.M6-16.LPCH.AL.NAT	M6x16 LOW HEAD CAP SCREW	1
22	013.M6-25.CH.AL.NAT	M6x25 SOCKET HEAD CAP SCREW	2

Rocker - Rear Triangle Disassembly



1. With a 5mm allen key, remove one of the two M6 fasteners holding the pivot hardware in place (#22).
2. Thread the lower shock mount (002.2048, #5), or any other M8 bolt into the seat tube pivot male (002.2011, #19). Pull this fastened assembly outward, away from the bike's centerline.
3. Use an 8mm allen key to hold the anti crush rotationally and repeat stages 1 & 2 on the other side of the bike.

REAR ASSEMBLY & SEAT CLAMP



Ref.	Part No.	Description	Qty.
23	013.M6-16.CH.AL.NAT	M6x16 SOCKET HEAD CAP SCREW	2
24	002.2052	203mm P-P BRAKE MOUNT ADAPTER	1
25	00.4318.017.017	AX MAXLE STLTH REAR L188 (M12*1)	1
26	00.7918.093.000	UDH REAR DERAILLEUR HANGER	1
27		UDH FRAME WASHER	1
28		UDH BOLT	1
29	002.2047	39MM MACHINED SEAT CLAMP	1
30	013.M5-18.CH.AL.NAT	M5x18 SOCKET HEAD CAP SCREW	1
31	013.M5.BN.NAT	M5 BARREL NUT	1



ASSEMBLY INSTRUCTIONS



When you receive your new Atherton Bike there are just a few simple steps to getting your bike out of its box and out on to the trails.

To make sure all your components are working perfectly, every Atherton Bike is assembled and checked by our team of expert mechanics before being sent to you.

To make sure that your new ride is secure in transit, we then remove some components and pack them securely in the box.

Assembling your bike couldn't be easier with our step-by-step assembly instruction guide. If you need any extra assistance, please don't hesitate to get in touch with one of the team, we'd be more than happy to help.

Grab your tools, make a brew, and get building!



FROM BOX TO BIKE



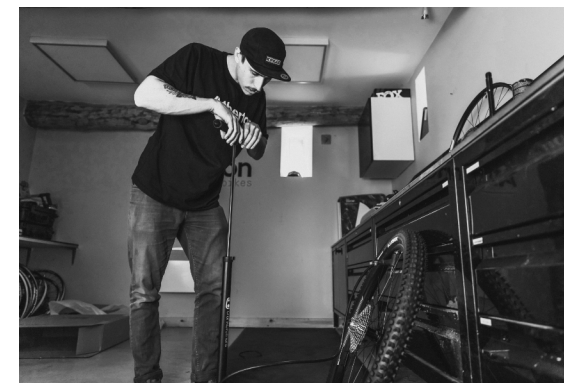
Step 1: Handlebars

Attach the stem to the steerer tube, preload the top cap and tighten the clamp bolts (ensuring that the stem is aligned correctly).



Step 2: Wheels

Inflate the tyres (as per manufacturer recommendations) and install the front wheel onto the bike. Ensure the axle is torqued as per the provided values.



Step 3: Pedals

Fit the pedals of your choosing. The non-driveside pedal has a left-hand thread, so take care to install these correctly.



Step 4: Saddle Height

Set the saddle height, feeding the dropper post cable through the headtube port. Ensure that the minimum insertion mark is no longer visible whilst maintaining 25mm (min) clearance to the tyre at bottom out.



SERVICE & MAINTENANCE



Item.	Task	After Every Ride	After 500miles / 1month	After 2000miles / 6months	After 4000miles / 1year
Chain	Clean and lubricate	X			
Brakes	Check function	X			
Tyres	Inspect sidewalls and tread, check air pressure	X			
General	Fully clean bike	X			
Frame Pivots	Check torque settings	X			
Brakes	Check brake pads, replace as necessary		X		
Headset	Check adjustment		X		
Spokes	Check tension, inspect		X		
Shock & Fork	Inspect and check air pressure		X		
Gear Cables	Inspect and lubricate			X	
Seat post	Remove, clean and re-grease			X	
Frame Pivots	Remove pivot bolts and check bearings for wear			X	
Headset	Disassemble stem, headset and fork, check bearings for wear			X	
Hubs	Remove wheels and check bearings for wear			X	
Bottom Bracket	Remove cranks and check bearings for wear			X	
Chain	Check for stretch, inspect for damage			X	
General	Full service				X
Shock & Fork	Full service	As per manufacturers recommendations			

PART COMPATIBILITY

PARTS WE RECOMMEND

We work closely with a range of brands to design and spec' our builds. We love these products and guarantee that they will work flawlessly on your Atherton bike.

Whilst our bikes are design to work alongside the majority of components, some parts may not fit, for example those that occupy a larger envelop than most (see the below limitations). Regardless of the parts in question, test fits must be carried out prior to use, to ensure sufficient clearance and proper function is achieved.



COMPONENT	LIMITATIONS
Cranks	- Max length = 175mm
Tyres	- Max width = *2.5" (*measured width, dictated by tyre & rim combination)
Chainring	- Max 38T
Brake Rotor (Rear)	- Max diameter = 223mm
Chain Guide	- Compatible chain guides include: MRP G5 and similar models from other brands.
Bump Stops	- Bump stops must be fitted and secured in place during use. These stops must be positioned to prevent the fork assembly making direct contact with the frame.
Wheel Size	- Mullet only (29" front, 27.5" rear)
Reach Adjust Headset	- Not permitted and will effect critical clearances

STILL UNSURE?

If you would like more information on part compatibility, we are only an email away (sales@athertonbikes.com), we'd be more than happy to answer any questions that you might have.

TESTING AND STANDARDS

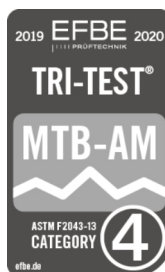


Before we launch any Atherton Bike we put our frames through the most rigorous testing imaginable both on the trails here in Dyfi and at EFBE in Germany, the world's leading laboratory for mechanical tests on bikes.

From dawn till dark our team of World Cup racers, local free-riders and novices worked in shifts to put in 40 laps a day on the most brutal combinations of tracks we could devise! We rode it all, from race-pace laps to braking bumps, huge jumps, flat landings and a lot of cases!

Once we were fully confident in our frame's strength we subjected it to EFBE's TRI-TEST® which includes fatigue tests, maximum load tests and overload tests. It goes way beyond established international standards and reflects the specific challenges faced by modern bikes.

All of our bikes have passed Category 5 (downhill) AND Category 4 Enduro to ensure that wherever you ride your Atherton S.200 will be more than up to the job.





ADDITIONAL INFORMATION

COMPONENTS & MAINTENANCE

- The bike's brake lever orientation will correspond to the standard within the country of purchase (unless stated otherwise).
- This bike must be used in a safe manner checking components regularly (including but not limited to tyres, wheels and steering components).
- This bike is not suitable for use alongside; panniers, trailers or child seats.
- All specified torque values must be adhered to, both for this frame (torques included in this document) and specific to the fitted parts.
- Gears are adjusted prior to shipping however, further adjustments may need to be made as the cable stretches and parts settle. Further adjustments can be made as required using the associated barrel adjuster (located on the gear shifter).
- All wearing components must be checked regularly and genuine replacement parts should be fitted when required.
- The maximum pressure for the wheel & tyre combination must not be exceeded. If not stated on both the rim and tyre, please consult the corresponding manufacturer/s.

As with all mechanical components, the bicycle is subject to wear and high stresses. Different materials and components might react to wear and stress fatigue in different ways. If the design life of a component has been exceeded, it may suddenly fail, possibly causing injuries to the rider. Any form of crack, scratches, or change of colouring in highly stressed areas indicate that the life of the component has been reached and it should be replaced.

For composite components, impact damage may not be visible to the user. Consequences of this damage can be severe and in the event of an impact the manufacturer must be contacted to advice further actions.

SAFETY & LEGAL

- A helmet must be worn throughout use and additional protective equipment is highly recommended.
- During both use and maintenance, there is risk of injury (for example, through entrapment) and the user must take appropriate safety precautions.
- If the bike is being used on public roads all national legal requirements must be adhered to.
- Riders should be aware of the effect that changing conditions and terrain have on handling and braking distances.

RIDER WEIGHT

- Permissible weight of the rider (and luggage) is limited to 120kg (as per EFBE TRI-TEST Standards).



WARRANTY

PARTIES

"we/us/our" - Atherton Bikes Limited

"you/your" - The Customer

THE WARRANTY

The warranty applies to all bicycle frames, including made to measure or bespoke frames, purchased from us. We guarantee that all frames will be free from defects in the materials or workmanship for the lifetime of the product. Where the frame develops a fault which is due to a defect in the materials used or the workmanship we will repair the frame free of charge. If we cannot repair it we will inform you of this and offer a like for like replacement.

The warranty does not cover damage to paint or anodizing damage.

The warranty also does not cover any items purchased other than bicycle frames and does not include the consumable components of the bike. Consumable components are those components which have are typically expected to need replacing within a 12 month period of being fitted to the bike. Consumable components include:

- Tyres;
- Chain
- Cassette;
- Grips;
- Chainring;
- Brakepads;
- Cables

This list is not exhaustive and if you are not sure whether a component is covered by the warranty please contact us to discuss it further.

All other original parts or components which are not covered by this warranty may be covered by a warranty from the original manufacturer.



WARRANTY CONT.

We are only able to offer the warranty where:

1. the frame has been maintained according to the care and maintenance instructions which were provided to you at the point of sale; and
2. the bicycle has been used only according to the description in the product manual.

REPAIRS WHICH ARE NOT COVERED BY THE WARRANTY:

The following damage is not covered by the warranty:

- Normal wear and tear;
- Crash damage, including impact to carbon fibre elements or other overloading;
- Improper assembly;
- Corrosion;
- Modifications to the frame;
- Damage as a result of not adhering to the minimum inserts of depth of seat post;
- Damage caused by excessive load outside of what is expected in normal riding;
- Impact damage (for example caused by collisions);
- Damage caused as a result of transportation of the bike, including transport where the bike was attached to a vehicle or a lift.
- Damage which we (in our sole discretion) assess to be the result of a lack of care and maintenance, or maintenance which is not in line with the maintenance instructions which have been provided to you.
- Damage caused by the use of non-compatible components with the bike frame. A full list of components which are compatible with the bike frame are set out in the product manual.



WARRANTY CONT.

HOW TO MAKE A CLAIM:

To make a claim you should contact us by phone or email. You will need to provide your name, details of your frame, a copy of your original purchase order and the date of the original purchase.

We will ask for a description of the fault and photographs or a video showing the fault. We will carry out an assessment based on the images provided and make a decision on whether the fault is covered by the warranty and inform you of our decision. Where necessary we will request further information from you. In some circumstances we may need to carry out a physical inspection of the frame before we can make a decision and if this is the case we will require that the bike is returned to our workshop. You can either bring the bike back to our workshop or alternatively we can arrange to collect it from you.

If the damage or fault is covered by the warranty we will arrange a date for you to bring the bike to our workshop, or for us to collect the bike, so that we can repair it (provided that you have not already brought the bike to our workshop so that we may assess the damage).

All decisions about whether the damage or fault is covered by the warranty will be made at our sole discretion.

TIMEFRAME:

We aim to complete the repair within 90 days of you returning the bike to us. If there is a delay in carrying out the repair we will write to you to inform you of this.

If we need to replace your bicycle frame we will aim to do this within 90 days of informing you that we will replace the bike. Where we need to replace the frame it will be a like for like replacement, or if the same frame is not available, we will replace it with a frame of an equivalent standard.

We will return your repaired bike, or replacement bicycle frame, to you free of charge. Alternatively you can collect the bike from our premises.

WARRANTY CONT.



IF YOU ARE NOT THE ORIGINAL OWNER

This warranty is personal to the person who purchased the bike frame from us and we are only able to offer the warranty to such person.

OTHER CLAIMS

The repair or replacement offered through this warranty is your sole remedy for a defective bicycle frame.

We will not be liable for any direct, indirect or consequential losses arising from the purchase, use or ownership of the bicycle by you, including for personal injury, property damage or economic loss (except where it would be unlawful to do so, including where death or personal injury is as a result of our negligence).

CONTACT

Email: sales@athertonbikes.com

Web: www.athertonbikes.com

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