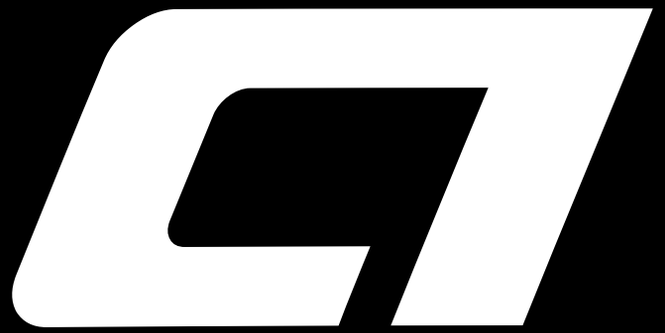


DARKMATTER

USER MANUAL

TABLE OF CONTENTS

DARKMATTER

Hello!
Thank you for purchasing our frame and the trust you have placed in us. Your new purchase is unlike anything else on the market.
The ANTIDOTE team have made every effort for you to enjoy the best flow imaginable while out on the trails.
This guide will provide you with the most important information about the Darkmatter. You will certainly find some useful details, and above all else, the key details regarding the use of the product. Please pay special attention to installing the rear shock.

In case of any difficulties, please check the "contact" section and contact us without hesitation!

We wish you many cycling adventures – with the ANTIDOTE Darkmatter, they will enter a whole new dimension.

MEET THE
DARKMATTER

LIMITED LIFETIME WARRANTY XX

Your frame is covered by a limited lifetime warranty.
In the cases of damage other than resulting from wear, we are happy to help our customers deal with defects.
Details about the complaint process can be found on our website.

MEET THE
DARKMATTER

LIFETIME WARRANTY TERMS

LIFETIME:

The warranty applies indefinitely for the original owner, starting with the date of purchase

Warranty is related with 10 years carbon fibre life cycle.
After this period of time, the carbon fiber does not guarantee the proper performance parameters, which makes it impossible to guarantee the whole product for more than 10 years.

THIS WARRANTY DOES NOT COVER:

Damage caused by:

Improper installation of components, parts, or accessories.
Improper assembly and maintenance.
Misuse, abuse and neglect.

Damage caused in the event of an accident or crash.
Labor costs incurred for parts replacement or frame swap.
Bikes used for commercial purposes, such as rentals or demo bikes.

The warranty is entirely void in any case of modification of the frame, or forgoing the recommended fork travel and rear shock length and/or stroke.

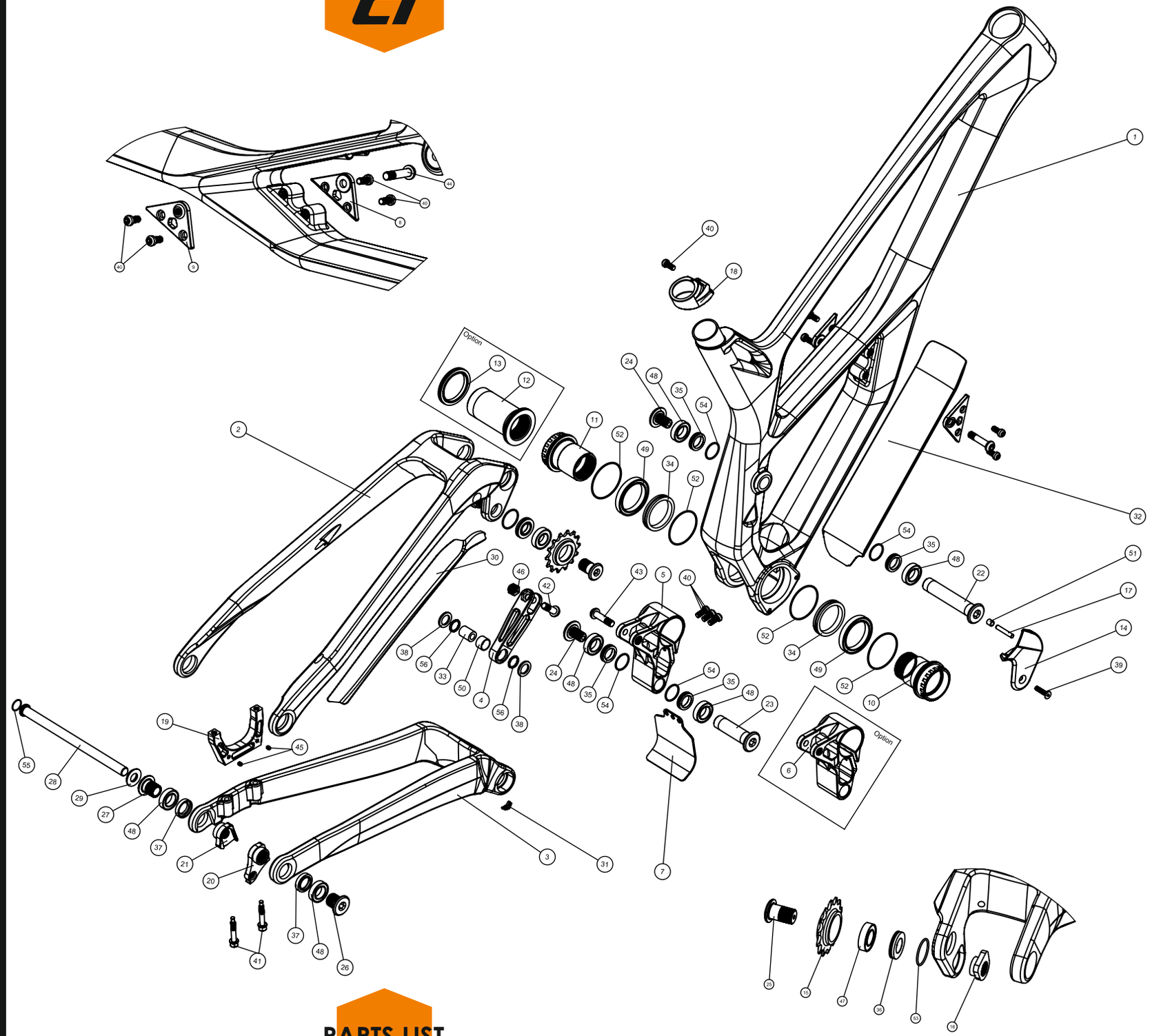
Candy Ray carbon-vectran handlebars are covered by a 5-year warranty starting with the date of purchase.

MEET THE
DARKMATTER

PARTS LIST AND TORQUE SPECS

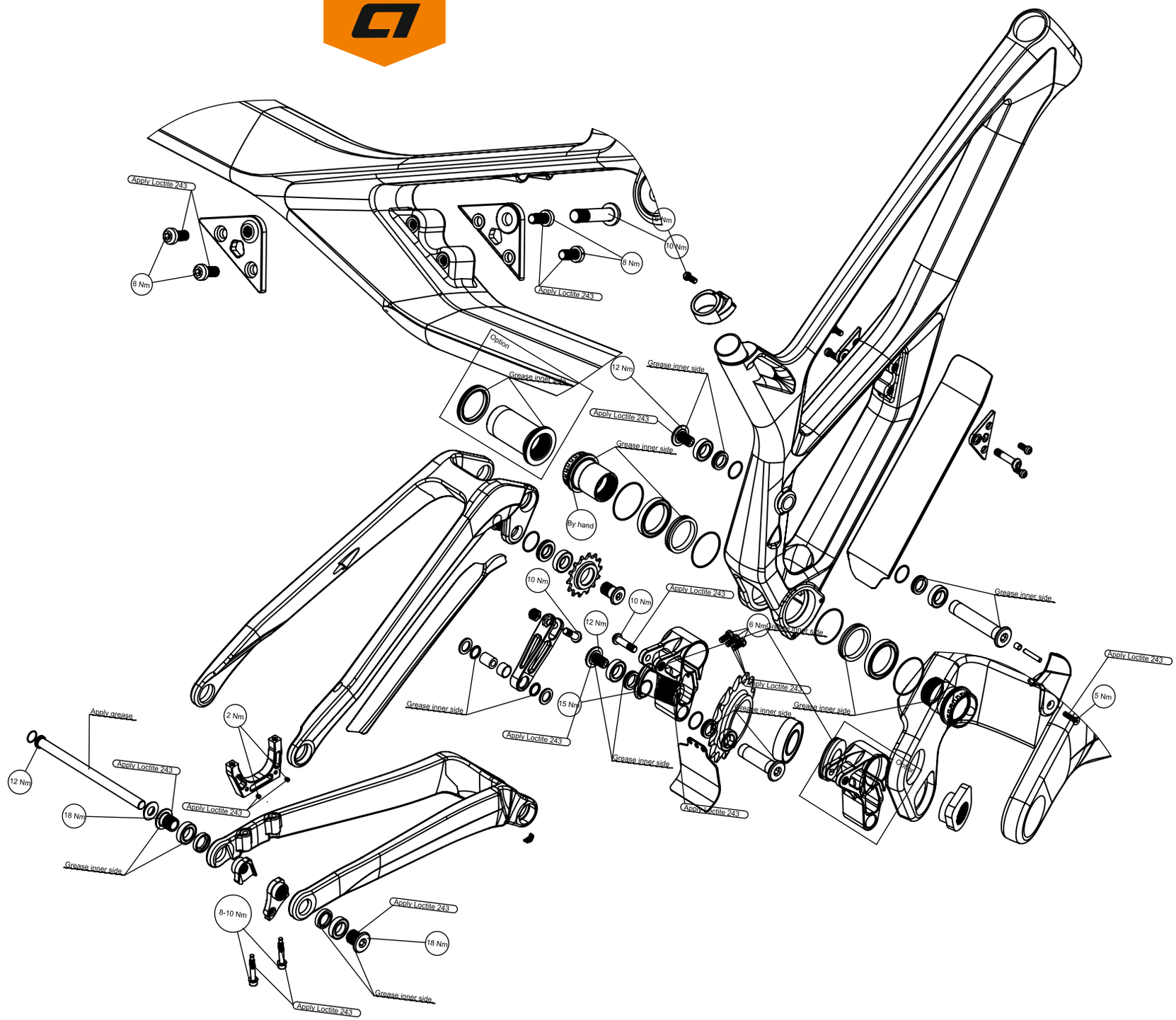
MEET THE
DARKMATTER

ITEM	PART	QTY
1.	Front Triangle DM29	1
2.	Seatstay DM29	1
3.	Chainstay DM29	1
4.	Tappet DM29	1
5.	Lower Link 29	1
6.	Lower Link Mullet	1
7.	Lower Link Guard DM29	1
8.	Upper Shock Mount Right DM29	1
9.	Upper Shock Mount Left DM29	1
10.	BB PF107 Drive Side	1
11.	BB PF107 Non Drive Side	1
12.	BB BSA83 Drive Side	1
13.	BB BSA83 Non Drive Side Spacer	1
14.	Idler Pulley Cover DM29	1
15.	Idler Pulley 14T	1
16.	Idler Pulley Nut	1
17.	Idler Puley Cover Pin	1
18.	Seatclamp	1
19.	Adapter PM203 DM29	1
20.	Drealiur Hanger DM29	1
21.	Left Hanger DM29	1
22.	Seatstay-Frame Axle DM29	1
23.	Chainstay-Link Axle DM29	1
24.	Bolt M12x20 DM29	2
25.	Idler Bolt DM29	1
26.	Splitpivot Bolt Right	1
27.	Splitpivot Bolt Left	1
28.	Rear Wheel Splitpivot Axle M12x1,5x192	1
29.	Rear Wheel Splitpivot Axle Washer	1
30.	Seatstay Protector DM29	1
31.	Chainstay Protector DM29	1
32.	Frame Protector DM29	1
33.	Tappet bushing	1
34.	BB Washer DM29	2
35.	Bearing Washer	4
36.	Idler Pulley Washer DM29	1
37.	Splitpivot Washer	2
38.	Washer Igus	2
39.	Countersunk Bolt M5x25	1
40.	Bolt M6x14	8
41.	Adapter Bolt M6x37 + PAD	2
42.	Tappet Bolt M8x25	1
43.	Tappet Bolt M8x32	1
44.	Bolt M8x37	1
45.	Screw ISO 4027 M4x6-S	2
46.	Nut with polyamide M8	1
47.	Bearing 6902 2RS	1
48.	Bearing MR 17287 2RS	6
49.	Bearing 6808 2RS	2
50.	Plain Bearing 14x16x10	1
51.	Plain Bearing 5x7x5?	1
52.	O-ring 45x1,5	4
53.	O-ring 24x1,5	1
54.	O-ring 20x1,5	4
55.	O-ring 10x1	1
56.	X-ring 14x1,78	2



PARTS LIST

ITEM	PART	TORQUE Nm
1.	BB PF107 Drive Side/Non Drive Side	By hand
2.	Bolt M12x20	12
3.	Bolt Roller M15x24	15
4.	Bolt Splitpivot Right	20
5.	Bolt Splitpivot Left	20
6.	Rear Wheel Splitpivot Axle M12x1,5x192	12
7.	Countersunk Bolt M5x25	5
8.	Bolt M6x14 (Seatclamp)	6
9.	Bolt M6x14 (Upper shock mount)	8
10.	Bolt M6x14 (Lower Link)	6
11.	Bolt Adapter M6x37 + PAD	8-10
12.	Bolt Shock Bottom M8x25	10
13.	Bolt Push Rod Bottom M8x32	10
14.	Bolt Shock Upper M8x37	10
15.	Screw ISO 4027 M4x6-S	2



PARTS LIST

FRAME ADDITIONALS SPECIFICATION

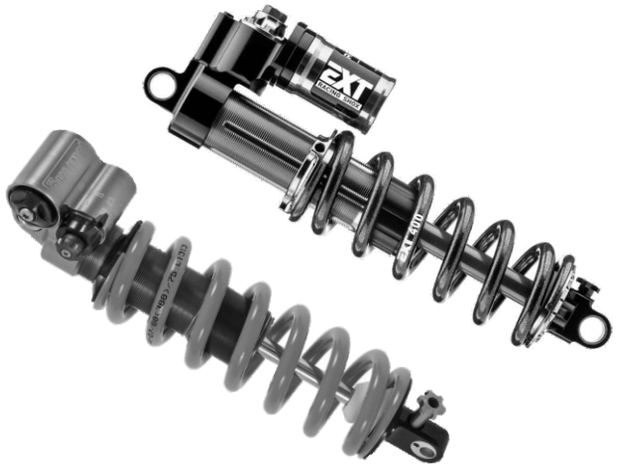
SIZE	M	L	XL

Headset:	Semi-integrated 1 1/8" – 1,5" (Frustum ZS – 44,00mm x 55,95mm)
ISCG	05 Mount
Seat post diameter (mm)	30,9
Brake adapter:	Custom Flat/PM 203 mm
Rear axle:	12x148mm
Recommended rear shock:	*Ohlins TX 22, FOX40, EXT ARMA Lok V3* *if you have different model of rear shock, it may be incompatible. In case of problems, please contact us)*
Rear shock length and stroke (mm)	250x75mm

OTHER PARTS SPECIFICATION

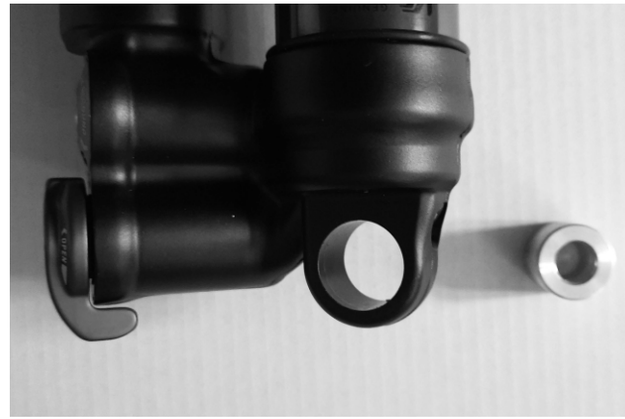
SETUP

SET YOUR
BIKE



step 1

Check the type of rear shock you have – in case of questions regarding compatibility, contact us.



step 2

Install the eyelet reducer bushing in the eyelet closer to the shock piggyback.

step 3

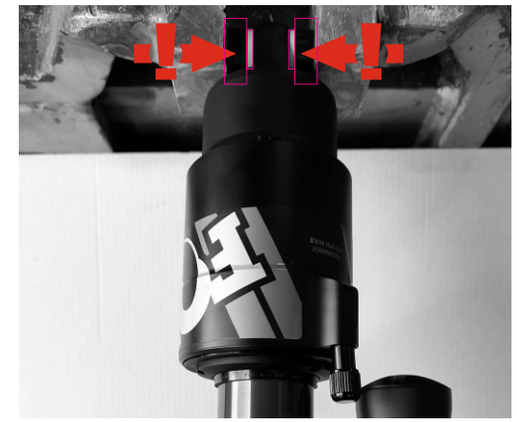
Carefully push the bushing in, using a vise makes the process easier. Apply grease.

step 4

Make sure the reducer bushing is flush with the shock body.

step 5

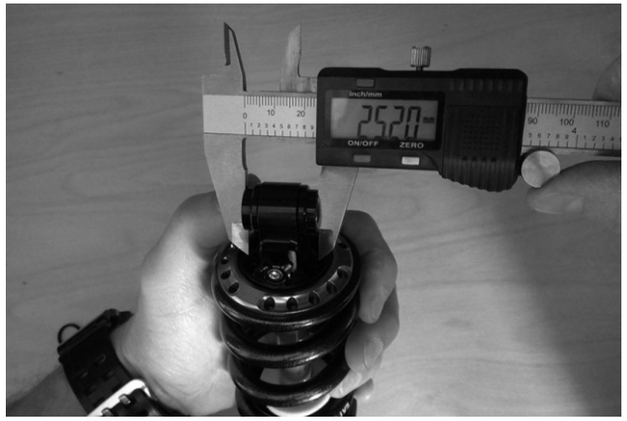
Insert the eyelet hardware in the other eyelet. Do not remove the flanged bushings!



step 6

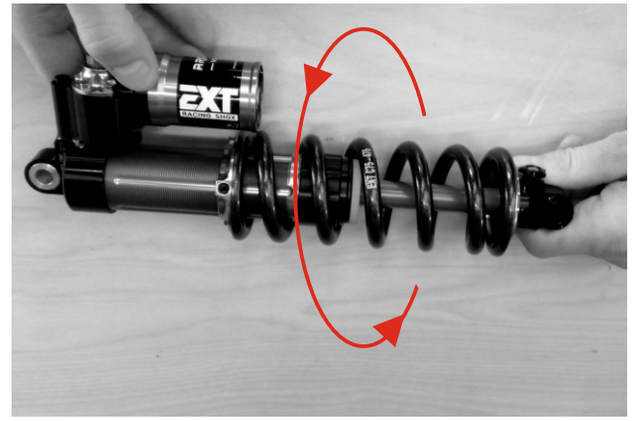
Preload the assembly in the shock eyelet using a vice or a press.

REAR SHOCK INSTALATION



step 7

Make sure that the entire eyelet assembly measures 25,2 milimetres (within 0.03mm of negative tolerance).



step 8

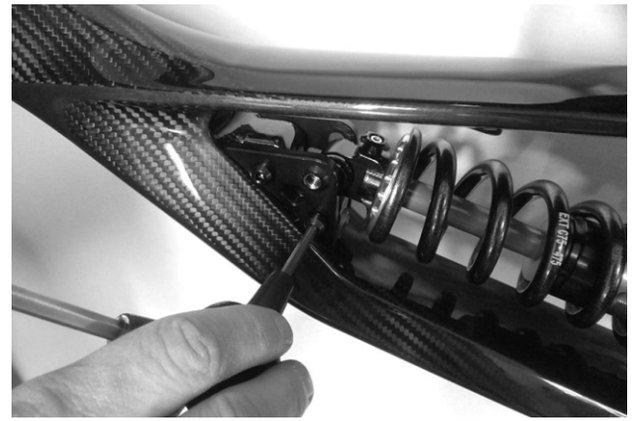
Rotate the shock stanchion so that the valves is on the same side as the shock piggyback, and the lower eyelet is perpendicular to the upper eyelet.

step 9

Instal Upper Shock Mount right (8)

step 10

Instal shock in the position as on the picture. Tighten bolt of the lower suspension link (apply 8-10 Nm torque)



step 11

Instal Upper Shock Mount left (9)

step 12

Tighten the upper shock bolt in the upper suspension link (apply 8-10 Nm of torque).

REAR SHOCK INSTALATION

NOSTER KINETICS
SUSPENSION SETUP

NOSTER KINETICS suspension is a specific system, in which the proper kinematic operation occurs only when the sag is set correctly. The system allows for high pedalling efficiency while remaining fully active on uneven ground, as well as under braking. The correct sag is set by adjusting the air pressure or choosing the correct coil spring firmness, appropriately for the user's weight.

Sag is the percentage of the suspension travel by which the suspension compresses when the user assumes a stationary position on the bike. Suspension, sag should be around 20-30%, depending on the riding style. If the riding area is mostly flat and not very bumpy, the lower value will be a better choice as it provides more efficiency. For rough terrain, set the sag at the higher value.

For coil suspension shocks, the sag is set by using a spring of appropriate firmness for the user's weight and riding style.

step 1

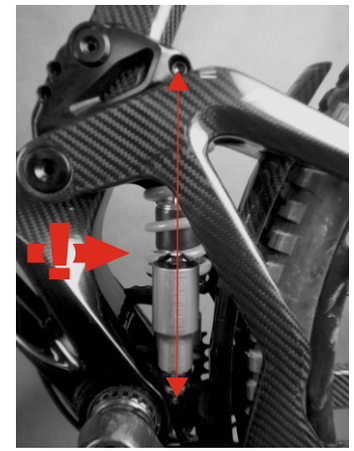
When adjusting the suspension, wear all riding gear (such as riding shoes, the helmet, and protective padding) in order for your weight to be accurate. Stand on the pedals, assume a riding position and use the help of another person to stabilise the bike.

step 2

Once in the riding position, have your assistant push the sag indicator all the way down, towards the suspension seal. Carefully dismount the bike and measure the sag value in relation to the full suspension travel.

step 3

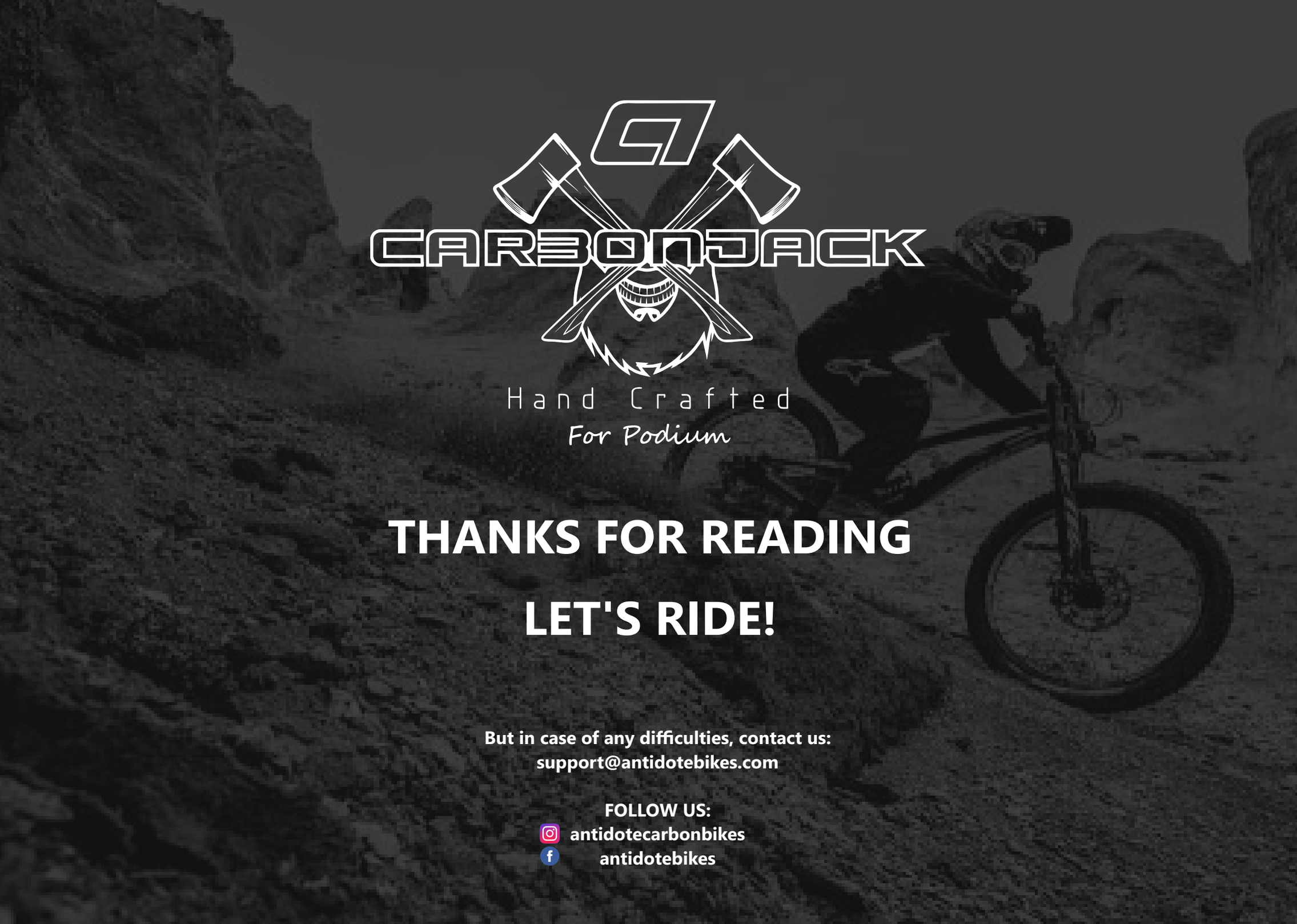
Repeat the process in the back.



step 4

If your bike is equipped with a coil sprung shock, measure the eye to eye length of the shock while standing on the pedals and subtract it from 210mm (full shock length). The difference is your sag value. Divide it by 55 to receive a percentage value.

SUSPENSION SETUP



THANKS FOR READING

LET'S RIDE!

But in case of any difficulties, contact us:
support@antidotebikes.com

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