

POLYGON

OWNER MANUAL



COLLOSUS T



COLLOSUS T8
ALLOY



COLLOSUS T6
ALLOY



COLLOSUS T5
ALLOY

CONGRATULATIONS!

Congratulations for buying Polygon Bikes! A bicycle is a great tool for transportation and recreation. Hopefully, you can find enjoyment and have a great deal of use in every ride. This manual contains important information which includes safety, performance, and maintenance.

IMPORTANT

Read this manual before taking your first ride and use it for future reference as well.

Additional safety, performance, and service information related to specific components such as suspension, pedals, and other accessories, such as helmets or lights you have purchased. Make sure your nearest authorized dealer has given all the manufacturing literature which includes in your bicycle and accessories. In case of conflict between the instructions and information provided in this manual, always follow the component manufacturer's instructions.

If you have any questions or do not understand something within this guide, take responsibility for your safety and consult with your nearest authorized dealer or the bicycle's manufacturer.

NOTE

This manual is not intended for comprehensive use, service repair, or service manual. Please see your nearest authorized dealer for all service, repairs, and maintenance-related action. Your dealer is also able to refer you to classes, clinics, or books for service or maintenance.

WARNING

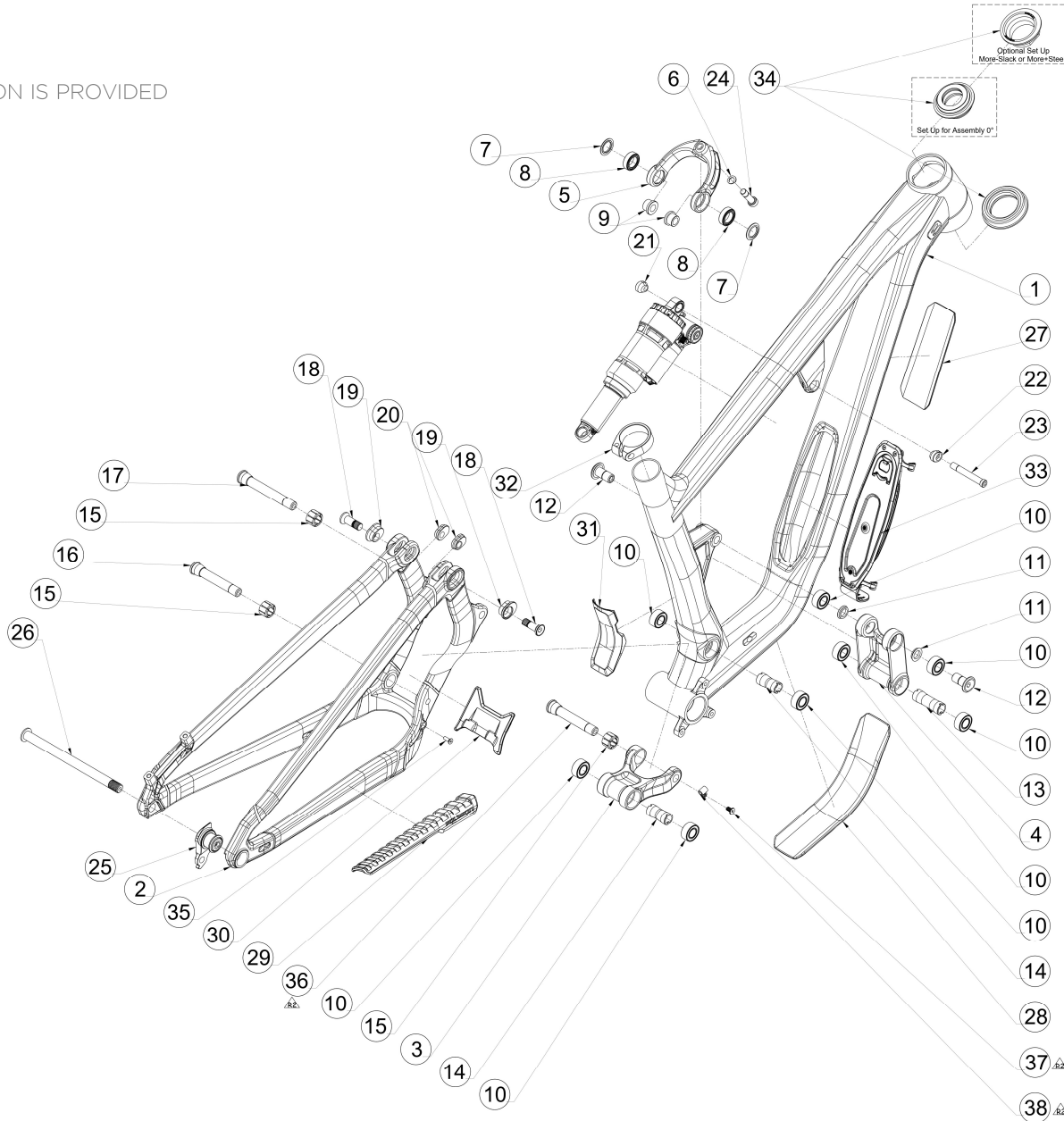
To ensure the warranty of your bicycle, be sure to only use the original spare parts.

COLLOSUS T ALLOY
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COLLOSUS T ALLOY
EXPLODED VIEW

* DETAILED PART IDENTIFICATION IS PROVIDED
ON THE FOLLOWING PAGE.



**COLLOSUS T ALLOY
FRAME KITS**

* USE THE EXPLODED VIEW REFERENCE NUMBERS TO IDENTIFY THE CORRESPONDING PART NUMBERS IN THE TABLE.

PART	ARTICLE	ITEM	ITEM DETAILS	TORQUE (N.m)	QTY / FRAME	SOLD
3			FIRST LINK FOR COLLOSUS T CB	-	1	
14			PIVOT SPACER ID12, OD14.5, L34mm	-	2	
15	741932	FIRST LINK KIT COLLOSUS T CB	EXPANDABLE FLOATING SPACER	-	2	AS A SET
16			PIVOT SHAFT M12x1.25, L83, T11.5, HEX6	20	1	
36			PIVOT SHAFT M12x1.25, L83, T11.5, HEX6	20	1	
4			SECOND LINK FOR COLLOSUS T CB	-	1	
11			BEARING SPACER ID12, OD16, L3	-	2	
12	741933	SECOND LINK KIT COLLOSUS T CB	PIVOT BOLT M12X1.25, L26.5, 16.2, HEX5	20	2	AS A SET
13			PIVOT SPACER ID12, OD14.5, L47mm	-	1	
15			EXPANDABLE FLOATING SPACER	-	1	
17			PIVOT SHAFT M12x1.25, L98, T13.5, HEX6	20	1	
5			SHOCK YOKE FOR COLLOSUS T	-	1	
7	741934	SHOCK YOKE KIT COLLOSUS T CB	FLIP CHIP WASHER	-	2	AS A SET
8			SEALED BALL BEARING 15X24X7mm	-	2	
9			FLIP CHIP TUBE WASHER	-	2	
6			WASHER ID8.5, OD13.5	-	1	
23	742670	SHOCK BOLT AND NUT SET	BOLT M8x1.25, L60.5, T9, HEX5	10	1	AS A SET
24			BOLT M8x1.25, L35.5, T7.5, HEX6	10	1	

**COLLOSUS T ALLOY
FRAME KITS**

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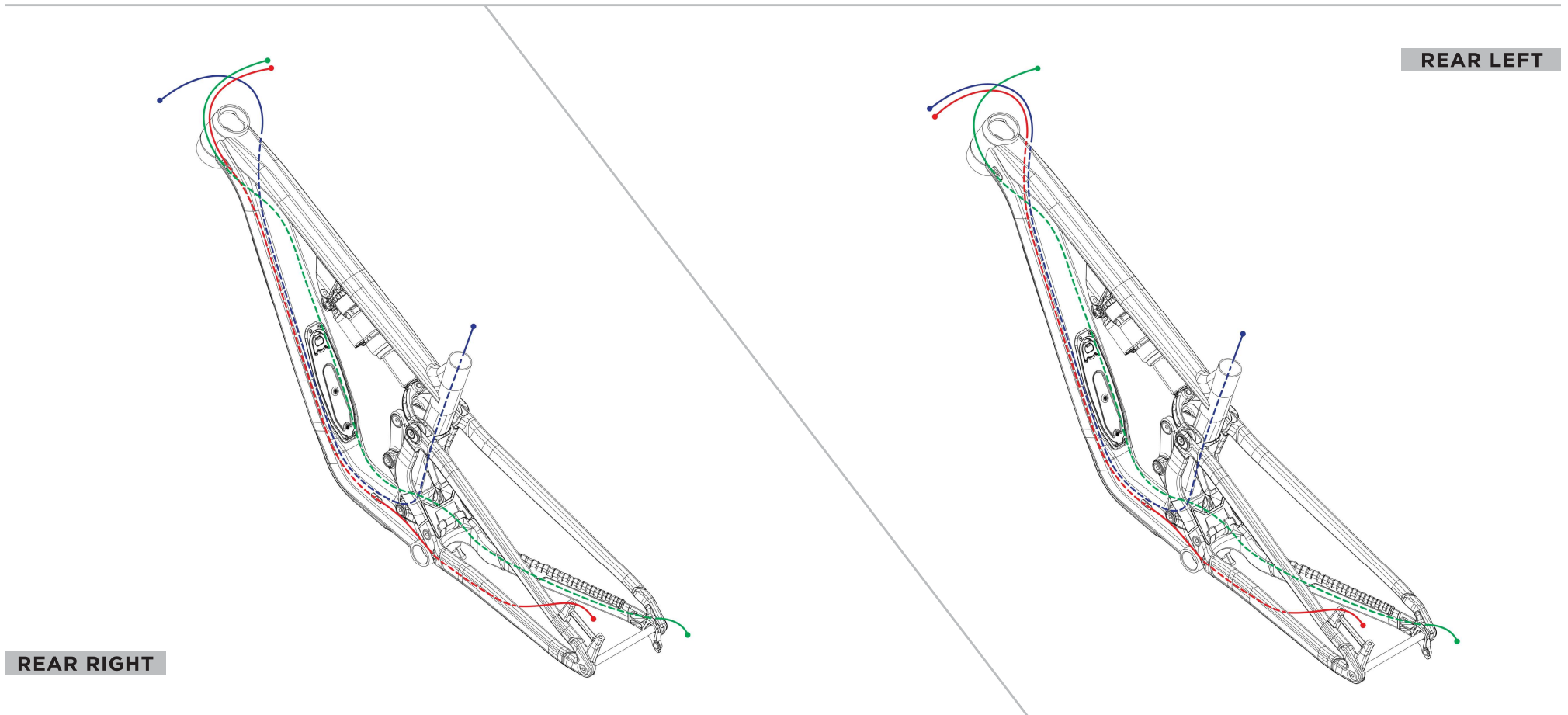
PART	ARTICLE	ITEM	ITEM DETAILS	TORQUE (N.m)	QTY / FRAME	SOLD
10	741382	RUBBER SEALED BEARING	3901 LLU MAX RUBBER SEALED BEARING	-	8	PER 2 PIECES
18			BOLT M10x1.5, L30, T10.3, HEX6	20	2	
19	741935	SHOCK YOKE FLIP CHIP AND BOLT SET	FLIP CHIP ADAPTER	-	2	AS A SET
20			FLIP CHIP NUT	-	2	
21	741417	SHOCK MOUNT FLIP CHIP	FLIP CHIP NUT	-	1	AS A SET
22			FLIP CHIP ADAPTER	-	1	
25	738268	UDH	UNIVERSAL DERAILLEUR HANGER	25	1	PER PIECE
26	741389	REAR THRU AXLE	M12X1.0, L174, T16.5, HEX5	11	1	PER PIECE
27	741418	DT SHUTTLE PAD	DOWN TUBE SHUTTLE PAD	-	1	PER PIECE
28	742671	DOWN TUBE PROTECTOR	DOWN TUBE PROTECTOR FOR COLLOSUS T ALLOY	-	1	PER PIECE
29	742672	CHAIN STAY PROTECTOR	CHAIN STAY PROTECTOR FOR COLLOSUS T ALLOY	-	1	PER PIECE
30	741421	ST PROTECTOR	SEAT TUBE PROTECTOR	-	1	PER PIECE
31	742673	PIVOT PROTECTOR	PIVOT PROTECTOR	-	1	PER PIECE

**COLLOSUS T ALLOY
FRAME KITS**

* USE THE EXPLODED VIEW REFERENCE NUMBERS TO IDENTIFY THE CORRESPONDING PART NUMBERS IN THE TABLE.

PART	ARTICLE	ITEM	ITEM DETAILS	TORQUE (N.m)	QTY / FRAME	SOLD
33	741423	DOWNTUBE STORAGE SET	DOWN TUBE STORAGE SET	-	1	AS A SET
			BAG FOR DT STORAGE	-	1	
34	741930	HEADSET	FSA HEADSET NO76 BLACK	-	1	PER PIECE
37	742674	FIRST LINK CABLE GUIDE SET	BOLT M5x8mm	-	1	AS A SET
38			ONE WAY CABLE GUIDE	-	1	
n/a	742015	GROMMET SNAP-IN PLUG SET	GROMMET SNAP-IN PLUG FOR 4MM HOLE	-	1	AS A SET
			GROMMET SNAP-IN PLUG FOR 5MM HOLE	-	1	

COLLOSUS T ALLOY
CABLE ROUTING



REAR RIGHT

REAR LEFT

- Rear Brake Hose
- RD Cable
- Dropper Post Cable

COLLOSUS T ALLOY

SHOCK PRESSURE RECOMMENDATION

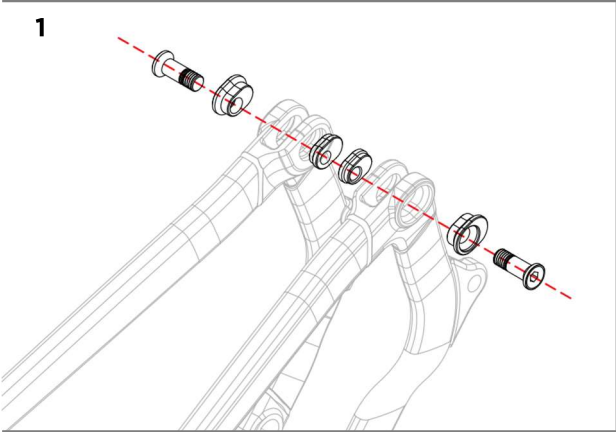
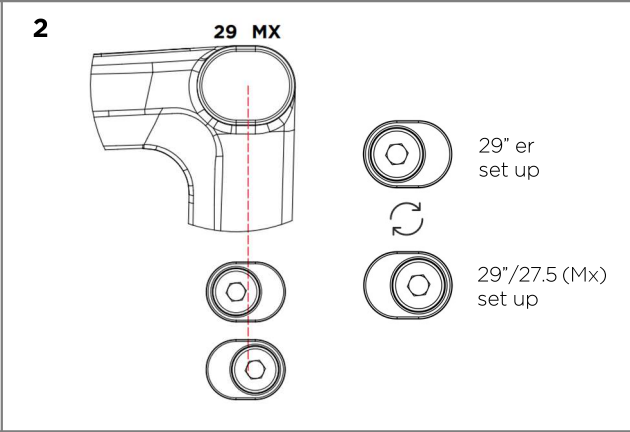
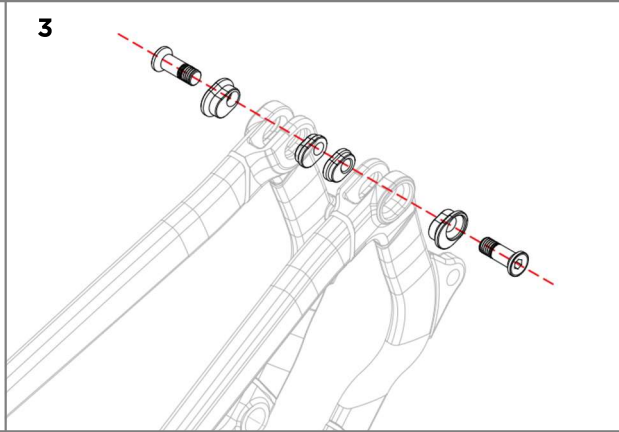
SHOCK PRESSURE RECOMMENDATION (PSI)			
RIDER WEIGHT (KG)	COLLOSUS T8 ALLOY	COLLOSUS T6 ALLOY	COLLOSUS T5 ALLOY
	FOX FLOAT PERFORMANCE	ROCKSHOX DELUXE SELECT +	ROCKSHOX DELUXE SELECT
40	66	87	87
45	78	100	100
50	89	112	112
55	100	125	125
60	112	138	138
65	123	150	150
70	135	163	163
75	146	176	176
80	158	189	189
85	169	201	201
90	180	214	214
95	192	227	227
100	203	239	239
105	215	252	252
110	226	265	265
115	238	277	277
120	249	290	290

RECOMMENDED SAG 30%

COLLOSUS T ALLOY
HOW TO ADJUST FLIP CHIP

REAR WHEEL SIZE CONFIGURATION

The Collosus T Alloy is factory configured with a full 29" wheel setup (29" front / 29" rear). The frame design allows conversion to a 27.5" rear wheel configuration (mullet setup) through the flip chip adjustment system located at the rear triangle–shock clevis interface. The 27.5" rear wheel is sold separately. The front wheel must remain 29" as specified in the original frame geometry design.

<p>1</p> 	<p>2</p> <p>29 MX</p>  <p>29" er set up</p> <p>29"/27.5 (Mx) set up</p>	<p>3</p> 
<p>Using a 6 mm hex wrench, remove the bolts on both left and right sides at the rear triangle to shock clevis pivot interface.</p>	<p>Rotate the flip chip inserts 180° to the desired configuration (29" or 27.5"). Ensure both left and right flip chips are set to the same position and properly seated.</p>	<p>Reinstall the pivot bolts through the assembly and tighten the bolts evenly to the recommended torque specification of 20 Nm.</p>

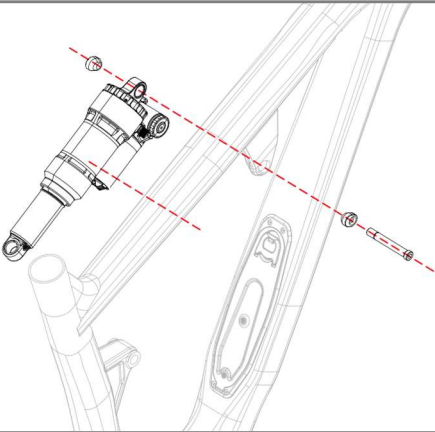
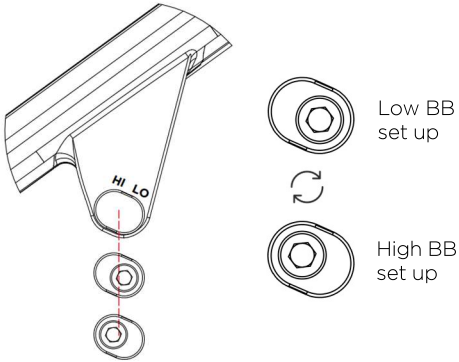
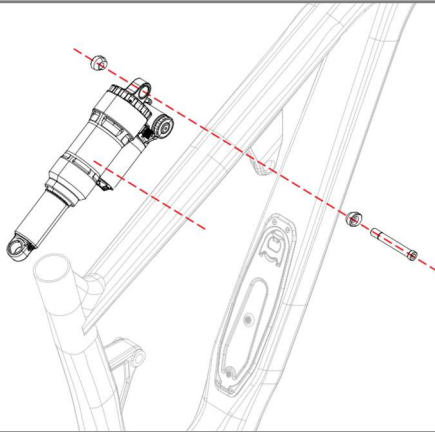
WARNING

Do not operate the bicycle with mismatched flip chip and rear wheel size configuration. Doing so may cause excessive bottom bracket drop, tire clearance issues, instability, and potential loss of control, which may result in serious injury or death.

COLLOSUS T ALLOY
HOW TO ADJUST FLIP CHIP

BOTTOM BRACKET (BB) HEIGHT ADJUSTMENT

The Collosus T Alloy is factory configured in the LOW BB position. The frame is equipped with a flip chip mechanism that allows adjustment of the bottom bracket height independently of wheel size. Regardless of whether the bicycle is configured with a 29" or 27.5" rear wheel, the rider may select either the LOW BB or HIGH BB setting according to riding preference and terrain conditions.

<p>1</p> 	<p>2</p> 	<p>3</p> 
<p>Using a 5 mm hex wrench, remove the rear shock mount bolt located at the lower section of the top tube interface.</p>	<p>Rotate the flip chip insert 180° to switch between the LOW and HIGH BB positions. Ensure the selected marking is correctly oriented and fully seated in its pocket.</p>	<p>Reinstall the rear shock mount bolt and tighten to the recommended torque specification of 20 Nm.</p>

IMPORTANT

Both left and right flip chip inserts must be set to the same position. Improper configuration may result in misalignment, abnormal suspension behavior, or unsafe riding conditions.

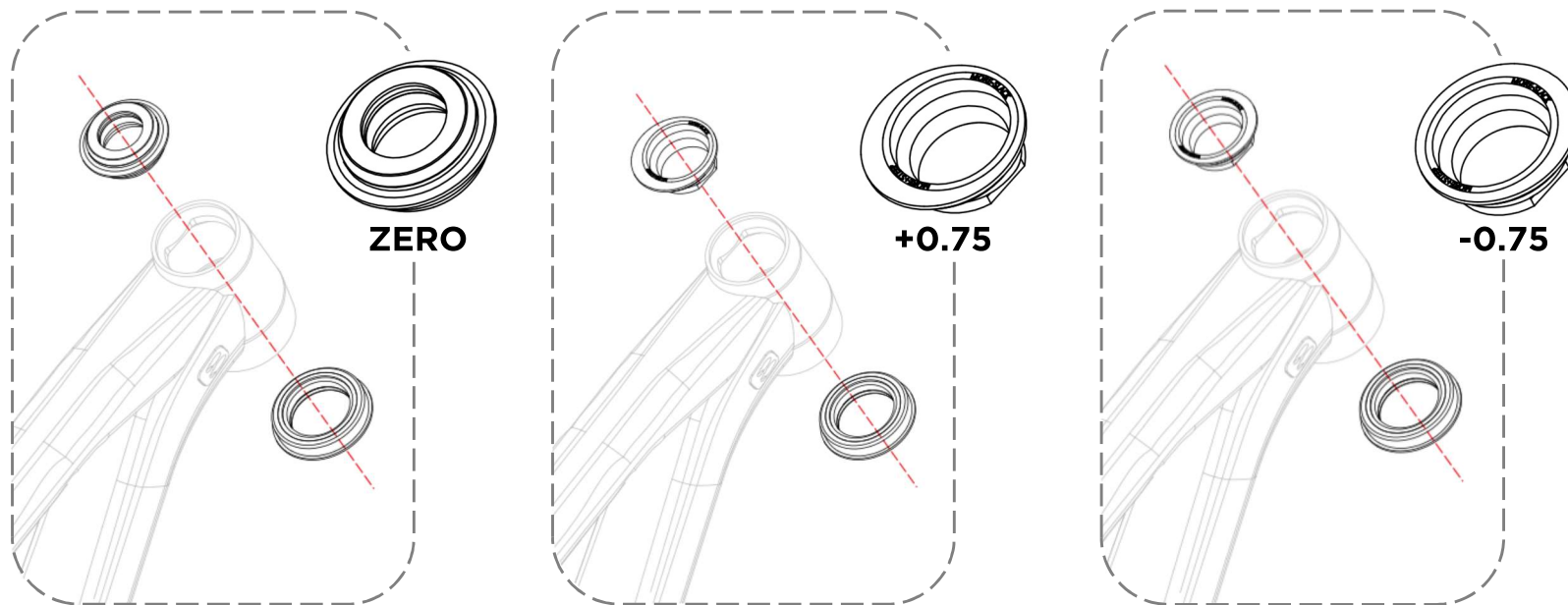
COLLOSUS T ALLOY

HOW TO ADJUST HEADTUBE ANGLE

HEADTUBE ANGLE ADJUSTMENT

The Collosus T Alloy is equipped with an adjustable headtube angle system. The head angle can be modified by replacing the upper headset cup with the corresponding offset option.

- The factory configuration uses the 0° offset cup as the standard setting.
- Installing a +0.75° offset cup results in a steeper head angle, providing quicker steering response and improved agility, particularly during climbing and tight trail sections.
- Installing a -0.75° offset cup creates a slacker head angle, enhancing stability and control during descending.



COLLOSUS T ALLOY
REGULAR INSPECTION**REGULAR INSPECTIONS BEFORE RIDING THE BICYCLE**

Before riding the bicycle, check the following items. If any problems are found, consult your place of purchase or a distributor.

Does the drivetrain perform gear shifting smoothly?

Are the components securely installed to the frame/ handlebar/ stem, etc.?

Is there any looseness or damage in the component parts?

Do any abnormal noises occur while riding?

AVOID

Avoid wearing clothing that may get caught in a chain or wheel, as this may cause an accident.

COLLOSUS T ALLOY
HOW TO CLEAN THE BIKES



1

Use a bike wash or wet cloth to clean up every part of your bike. Preferably using a specific cleaner for the bike



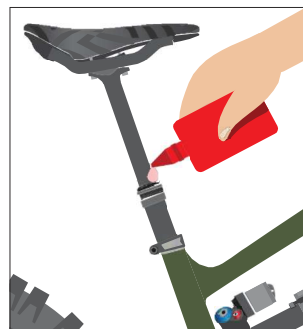
2

Wipe the bike immediately until it's dry. Do not leave it in wet conditions for a long time.



3

Clean up the drivetrain with a clean and dry cloth.



4

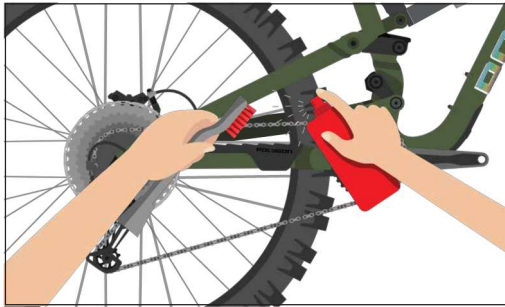
Check and lubricate every component if needed, especially 2 or more components that rub against each other, such as the seat post, bottom bracket, hub, pivot frame suspension, ect

NOTE

- Use the right bike wash to make sure your every bike component and frame is safe.
- Avoid washing the bike using high - pressure water
- It is highly recommended to use specific lubricants for bicycle parts, not with engine vehicles or other oil since it might lead to component performance reduction
- It is recommended to use a bike cleaner rather than detergent, solvent like acetone, and thinner to clean the bike parts.

COLLOSUS T ALLOY

HOW TO CLEAN THE BIKE'S CHAIN



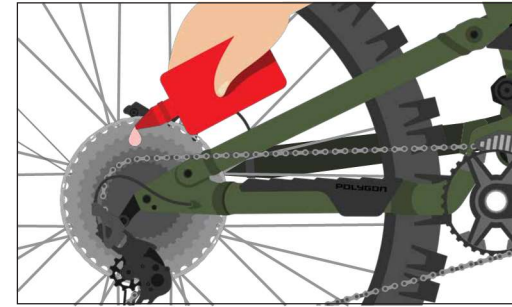
1

Use a bike chain cleaner and gently brush it.



2

Wipe with a clean and dry cloth, and let it dry for minutes.



3

Lube the chain regularly

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