



POLYGON

POLYGONBIKES.COM



BICYCLE OWNER'S MANUAL

SISKIWT 

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.

CONTENT

- 01 | INTRODUCTION
- 02 | TABLE OF CONTENT
- 03 | EXPLODED VIEW
- 04 | FRAME KITS
- 07 | CABLE ROUTING
- 08 | REGULAR INSPECTIONS
- 09 | HOW TO HANDLE
AN ASSIST BICYCLE
- 11 | MAKING WALKING AND
PUSHING THE BICYCLE EASY
- 13 | ELECTRICAL PARTS
- 15 | WIRING DIAGRAM
- 16 | TROUBLESHOOTING
- 17 | HOW TO CLEAN THE BIKE
- 18 | HOW TO MAINTAIN
THE BIKE'S CHAIN

SISKIUTE - FRAME KITS

ARTICLE CODE	PART #	ITEM	ITEM DETAILS	TORQUE (N.m)	QTY / FRAME	SOLD
736838	4	LINKAGE IS20PFK18	AL6061 T6	-	1	PER PIECE
725047	5	2HRU DROP OUT DIRECT ATTACH	AL6061 T6	-	1	PER PIECE
735301	6	BEARING SPACER IS16PFK18	ID12, OD16, L3	-	6	PER 4 PIECES
733707	7	6901V2RS SEALED BEARING	6901V2RS SEALED BEARING 12X24X6mm	-	6	PER PIECE
	8		BOLT IS17PFK36 M6X25mm, HEX4	7	1	
736842	9	MAIN PIVOT BOLT SET	WASHER IS17PFK30	-	1	AS A SET
	10		AXLE IS17PFK29 M15X1.5, L73, T14, HEX8 & HEX6	25	1	
735299	11	REAR PIVOT BOLT IS17PFK32	M12X1.25, L26, T12, HEX5	25	2	PER 2 PIECES
735298	12	PIVOT BOLT IS16PFK19	M12X1.25, L26.5, T16.2, HEX5	25	4	PER 2 PIECES
736844	13	FLIP CHIP IS20PFK19	AL7075 T6	-	1	AS A SET
	14			-	1	
736845	15	REAR SHOCK PIVOT BOLT	M8X1.0, L61, T9, HEX6	12	1	PER PIECE
733708	16	6902V2RS SEALED BEARING	6902V2RS SEALED BEARING 15X28X7mm	-	2	PER PIECE

SISKIUTE - FRAME KITS

ARTICLE CODE	PART #	ITEM	ITEM DETAILS	TORQUE (N.m)	QTY / FRAME	SOLD
736843	17	MAIN PIVOT SPACER IS17PFK31	AL7075 T6, OD20, ID15, L34	-	1	PER PIECE
733717	18	DRIVE UNIT/MOTOR BOLT SET	BOLT IS19PFK03 M8X1.25, L37, T22.2, HEX6	20-25	1	AS A SET
	19		BOLT IS19PFK02 M8X1.25, L28, T13.2, HEX6	20-25	1	
	20		BOLT IS19PFK01 M8X1.25, L26, T16.7, HEX6	20-25	4	
	21		WASHER ID8, OD12.5	-	6	
	21		WASHER ID8, OD12.5	-	2	
733713	22	REAR SHOCK BOLT & NUT SET	SHAFT IS17PFK05 8XM6X1.0, L41, T30, HEX6	12	1	AS A SET
	23		BOLT IS16FMS03 M6X1.0, L18, T9.5, HEX5	12	1	
733720	24	DRIVE UNIT BOTTOM COVER FOR DU-EP800	BOLT M5X0.8, L12, HEX3	4	2	AS A SET
	28		VLD-I-904 PLASTIC	-	1	
733719	24	DRIVE UNIT BOTTOM COVER FOR DU-E7000	BOLT M5X0.8, L12, HEX3	4	2	AS A SET
	29		IS19PFK25 PLASTIC	-	1	

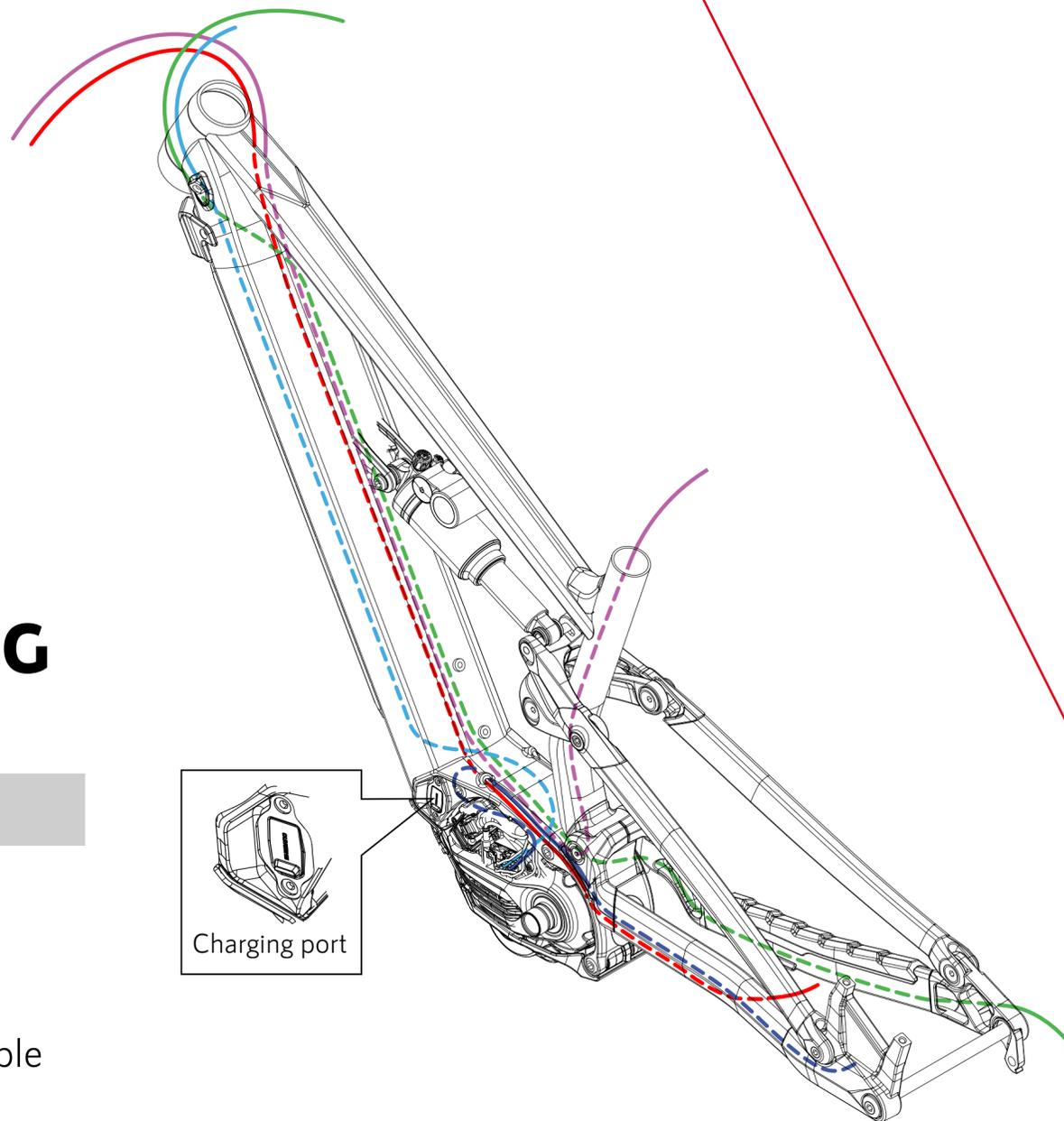
SISKIU TE - FRAME KITS

ARTICLE CODE	PART #	ITEM	ITEM DETAILS	TORQUE (N.m)	QTY / FRAME	SOLD
736846	24	DRIVE UNIT BOTTOM COVER FOR DU-EP801 & DU-EP600	BOLT M5X0.8, L12, HEX3	4	2	AS A SET
	30		IS21PFK32 PLASTIC	-	1	
	31		BOLT M3X0.5, L6, HEX2	2	2	
729761	26	CABLE PORT SET	BOLT M4X0.7, L12, HEX2.5	4	2	AS A SET
	27		PO01-03-046 PLASTIC	-	2	
736849	26	BATTERY COVER & BOLTS SET	BOLT M4X0.7, L12, HEX2.5	4	4	AS A SET
	32		IS19PFK30-1 PLASTIC	-	1	
736043	33	CHAIN STAY PROTECTOR SISKIU T	IS21PFK02 RUBBER	-	1	PER PIECE
202424	34	GROMMET	RUBBER W/ 5mm HOLE FOR BRAKE CABLE OR HOSE	-	1	PER PIECE
728308	35	2HRU DROP OUT DIRECT MOUNT	AL6061 T6	-	1	PER PIECE
-	-	DRIVE UNIT LEFT COVER FOR DU-EP801	SHIMANO DC-EP801-A		1	PER PIECE
728713	-	2HRU AXLE 12x148	M12X1.5, L174, T20, HEX6	10-12.5	1	PER PIECE
736834001	-	POLYGON BOTTLE 500ml	EBON IS20AOT01-A, PE PLASTIC	-	1	PER PIECE
729413001	-	ENTITY BOTTLE CAGE	BC45, GLASS FIBRE-REINFORCED POLYAMIDE, SIDE LOAD	-	1	PER PIECE

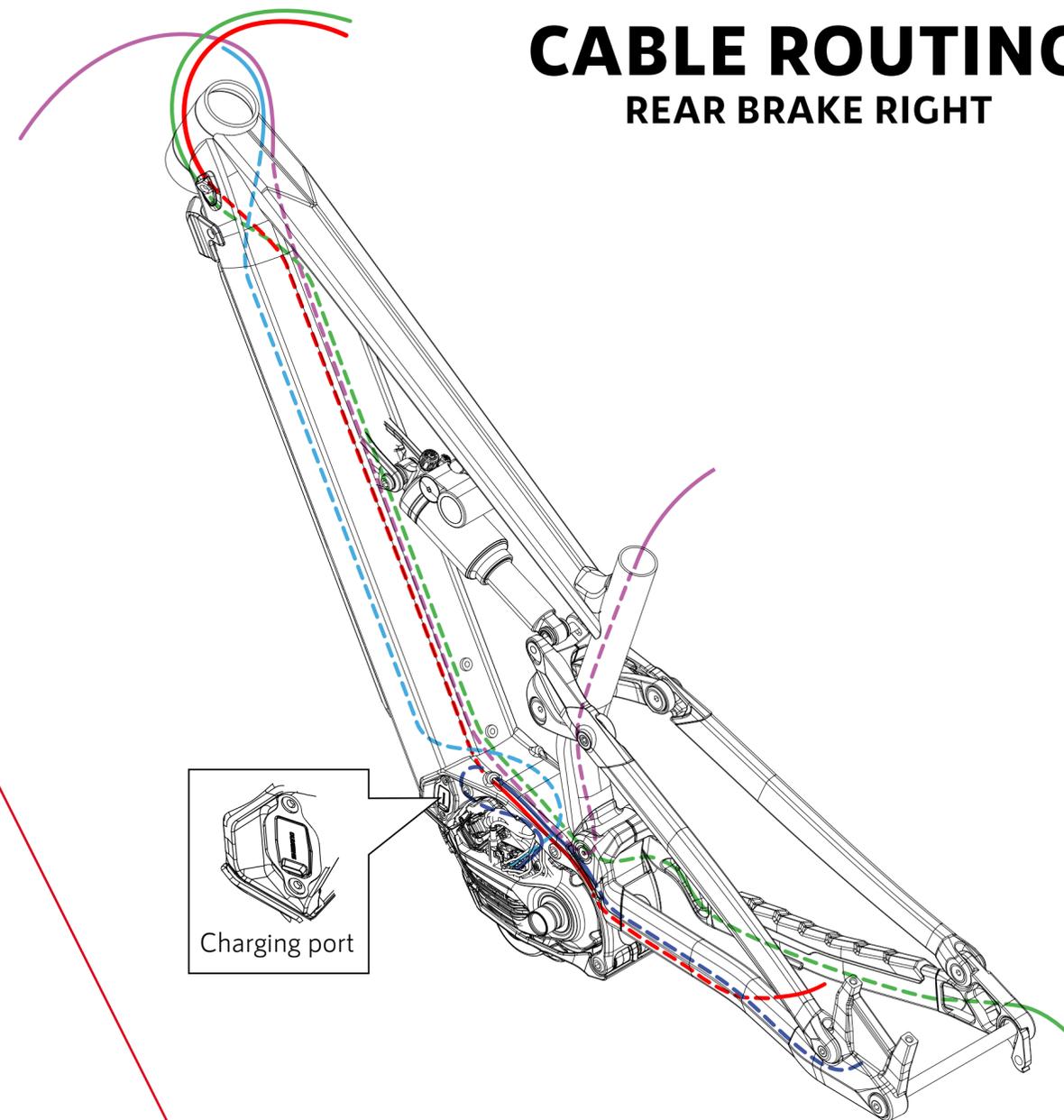
CABLE ROUTING REAR BRAKE LEFT

LEGEND

-  RD Cable
-  Rear Brake Hose
-  Dropper Post Cable
-  Cycle Computer Cable
-  Speed Sensor Cable



CABLE ROUTING REAR BRAKE RIGHT



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 drive train perform gear shifting smoothly?

Is there any looseness or damage in the component parts?

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

Do any abnormal noises occur while riding?

Is there sufficient charge remaining in the battery?

AVOID

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

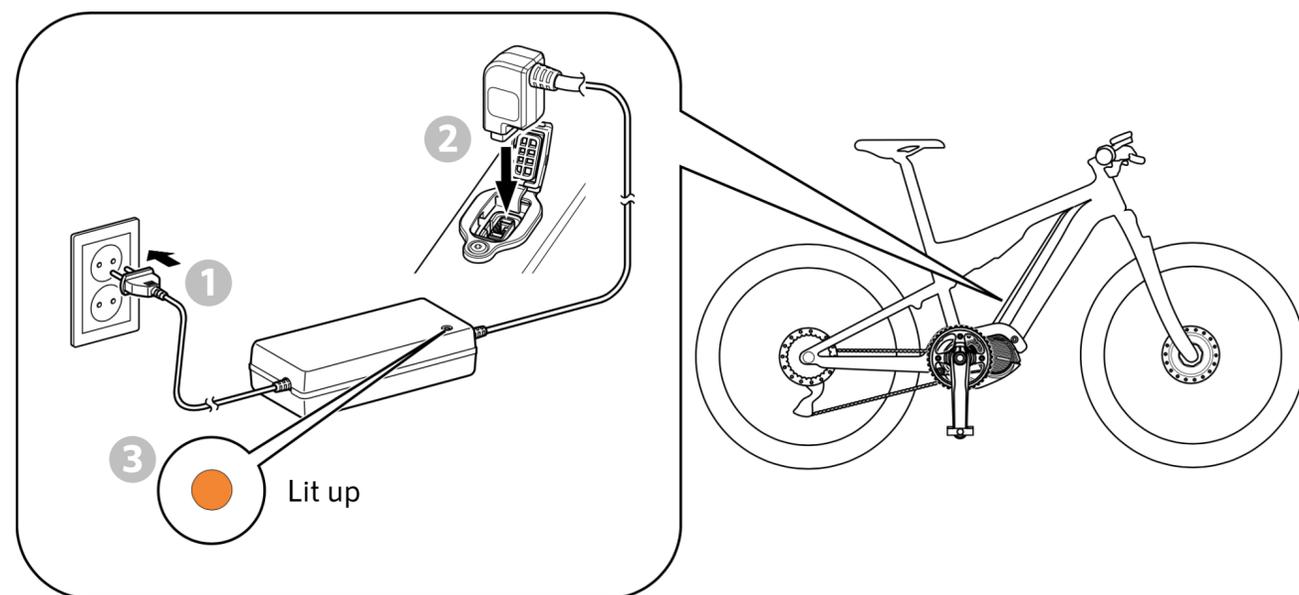
HOW TO HANDLE AN ASSIST BICYCLE

QUICK GUIDE

1 Charge the battery

Example of built-in type battery

*According to the assist bicycle, the location of the charging port may be different from the one shown in the figure.

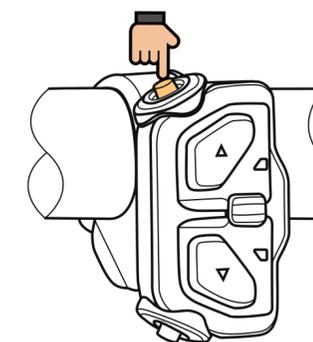


	Lit up	Charging
	Flashing	Charge error

2 Turn the power ON

To turn OFF the power, repeat this procedure.

Wait a while before pressing the power button when turning the power ON again after the power has been turned OFF.



Example of 5-switch type switch unit
(left side of the handlebar)

TECH TIPS

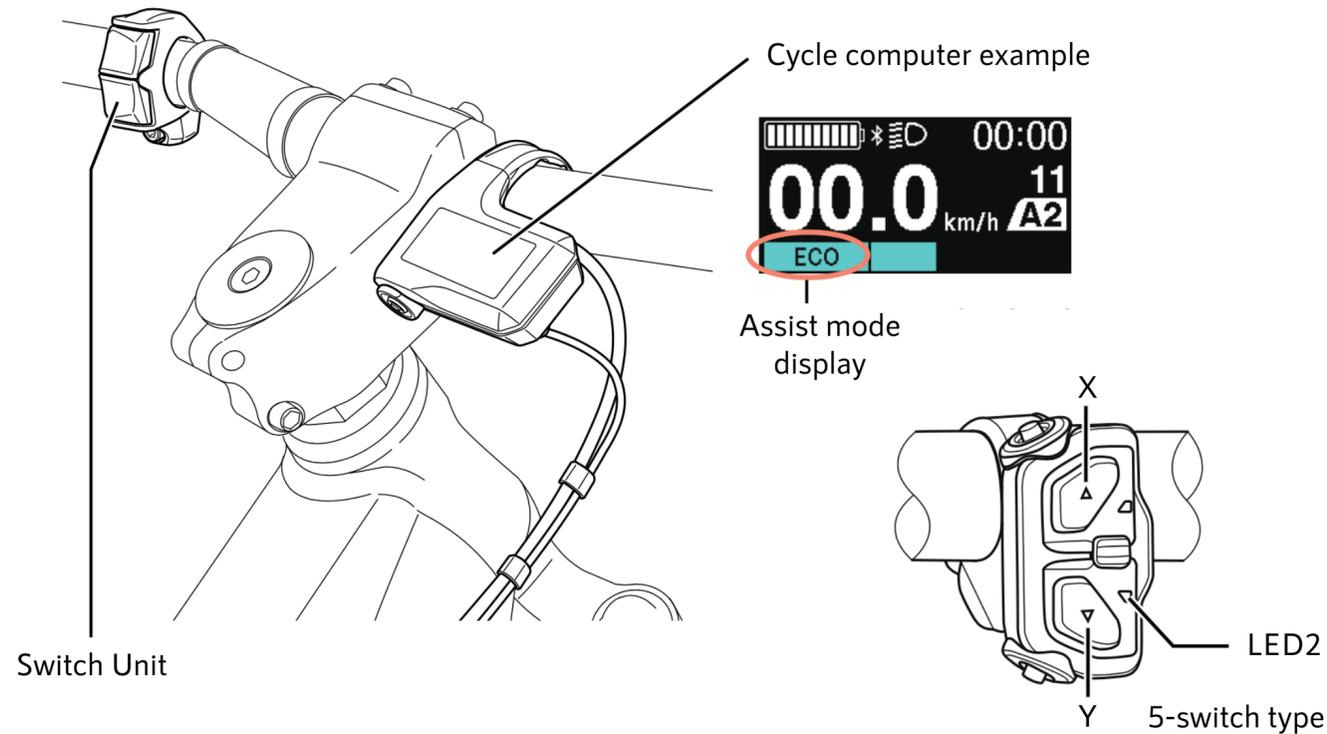
Depending on the assist bicycle used, the installed battery, cycle computer, and switch unit may differ from what is listed here. Also refer to the user's manual of the components you are using listed in "Booklet Structure"

HOW TO HANDLE AN ASSIST BICYCLE

QUICK GUIDE

3 Select assist mode

- When the power is turned OFF, the assist mode resets to [OFF].
- The below shows the display for the [BASIC] assist profile. For the [Fine tune] assist profile display, refer to the user's manuals for your cycle computer and switch unit.



LED2	Assist mode display
OFF	[OFF]
Light blue	[ECO]
Green	[TRAIL] / [NORMAL]
Yellow	[BOOST] / [HIGH]

Select the level of assistance from three modes according to riding conditions. One of the following two combinations is set by default:

- [BOOST] / [TRAIL] / [ECO]
A combination of assist modes for sport riding.
- [HIGH] / [NORMAL] / [ECO]
A combination of assist modes for comfortable riding in urban settings.

Assist mode	Level of assistance	Main application
[BOOST] / [HIGH]	Increase	Precipitous mountain roads and steep slopes
[TRAIL] / [NORMAL] *1	Intermediate	Gentle ascending slopes and level ground
[ECO]	Decrease	Long distance riding on level ground, level parks with signals

*1 Depending on the cycle computer, [NORM] is displayed.

HOW TO HANDLE AN ASSIST BICYCLE

QUICK GUIDE

4 Get on the bicycle and start riding

Turn the pedals to start assist.

CAUTION

Be sure to learn the brake control characteristics and other characteristics.
Brake handling may vary slightly depending on the bicycle you are using.

5 Turn the power OFF and park your bicycle when you arrive at your destination

MAKING WALKING AND PUSHING THE BICYCLE EASY (WALK ASSIST)

QUICK GUIDE

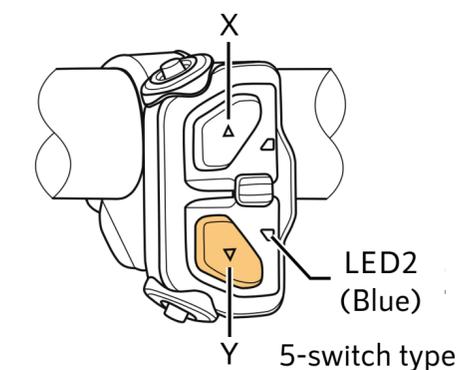
SHIMANO STEPS has a function where assist works even when you are walking and pushing the assist bicycle.

Depending on the region of use, you may not be able to use it due to the laws of the region. In this case, the operations described here are disabled.

1 Stop and switch to walk assist mode

Press and hold Y on the assist switch (left side of the handlebar) until it reaches the following state:

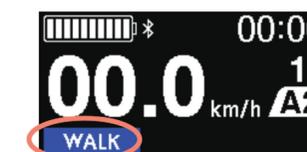
- Cycle computer: [WALK] is displayed
- 3-switch type: LED2 lights up blue



TECH TIPS

If nothing is done for one minute after switching to walk assist mode, it will switch back to the assist mode that was selected before switching.

Cycle computer example



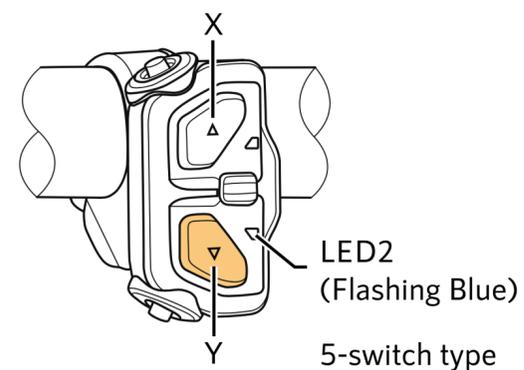
MAKING WALKING AND PUSHING THE BICYCLE EASY (WALK ASSIST)

QUICK GUIDE

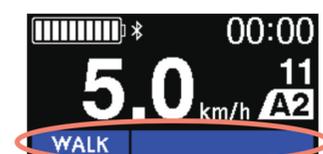
2 Carefully push the bicycle while pressing Y again

The drive unit operates while Y is pressed to assist you in pushing the bicycle.

When the drive unit is operating, the LED and screen displays change as shown in the figure.

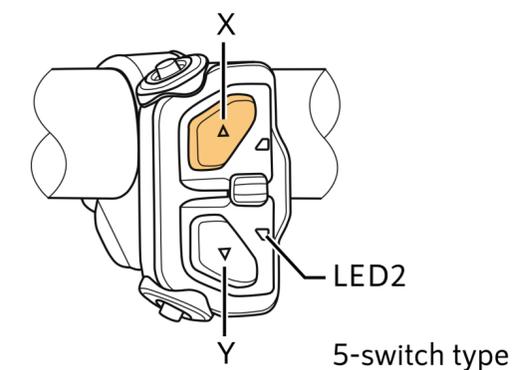


Cycle computer example



3 Exit walk assist mode

Press the button (X button) on the upper side of the assist switch (left side of the handle).



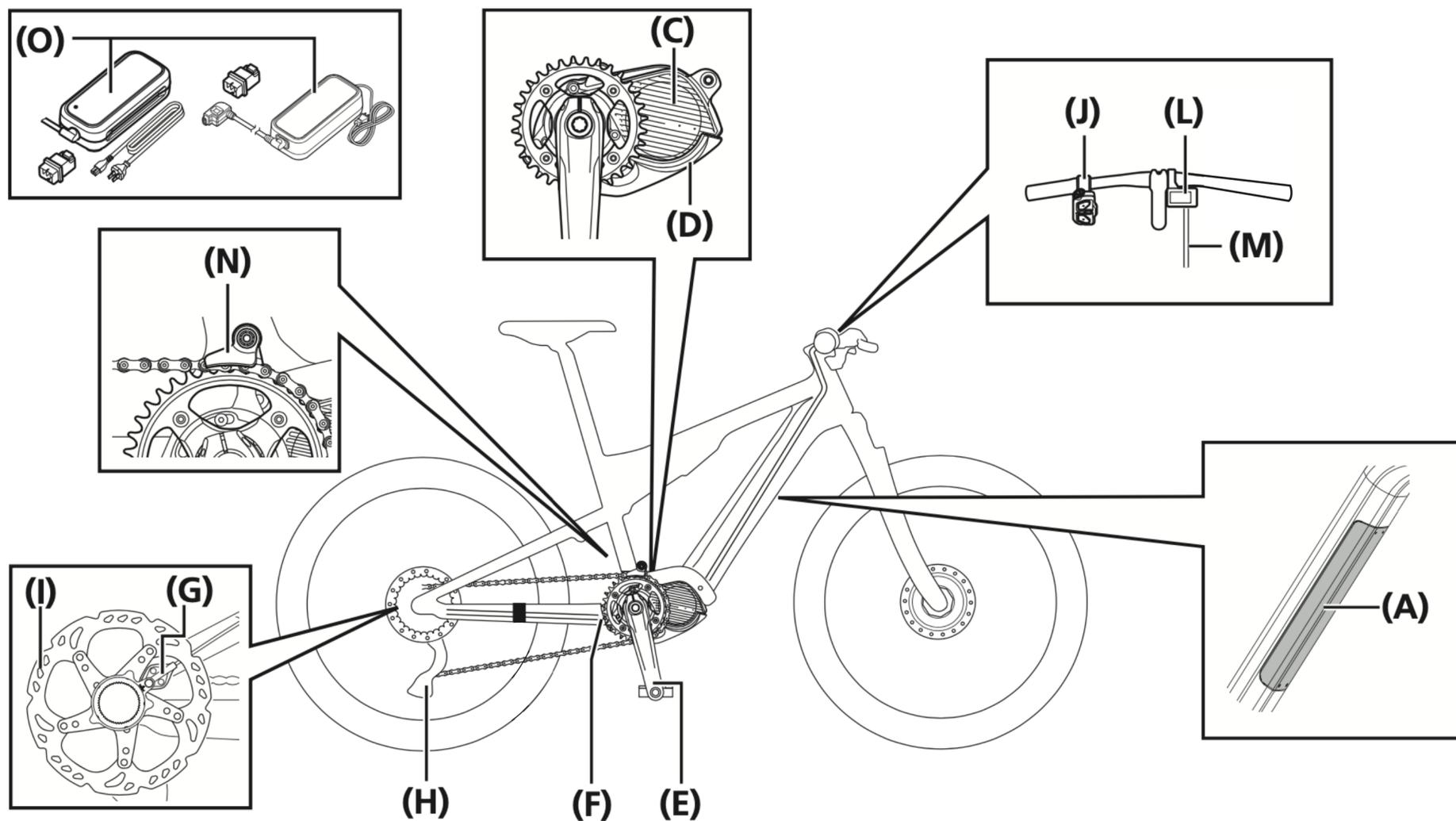
NOTICE

Walk assist operates at a maximum of 6 km/h. Be careful because the bicycle starts moving just by pressing Y.

TECH TIPS

During electronic gear shifting, the level of assistance of walk assist and speed are controlled by the current gear position.

ELECTRICAL PARTS



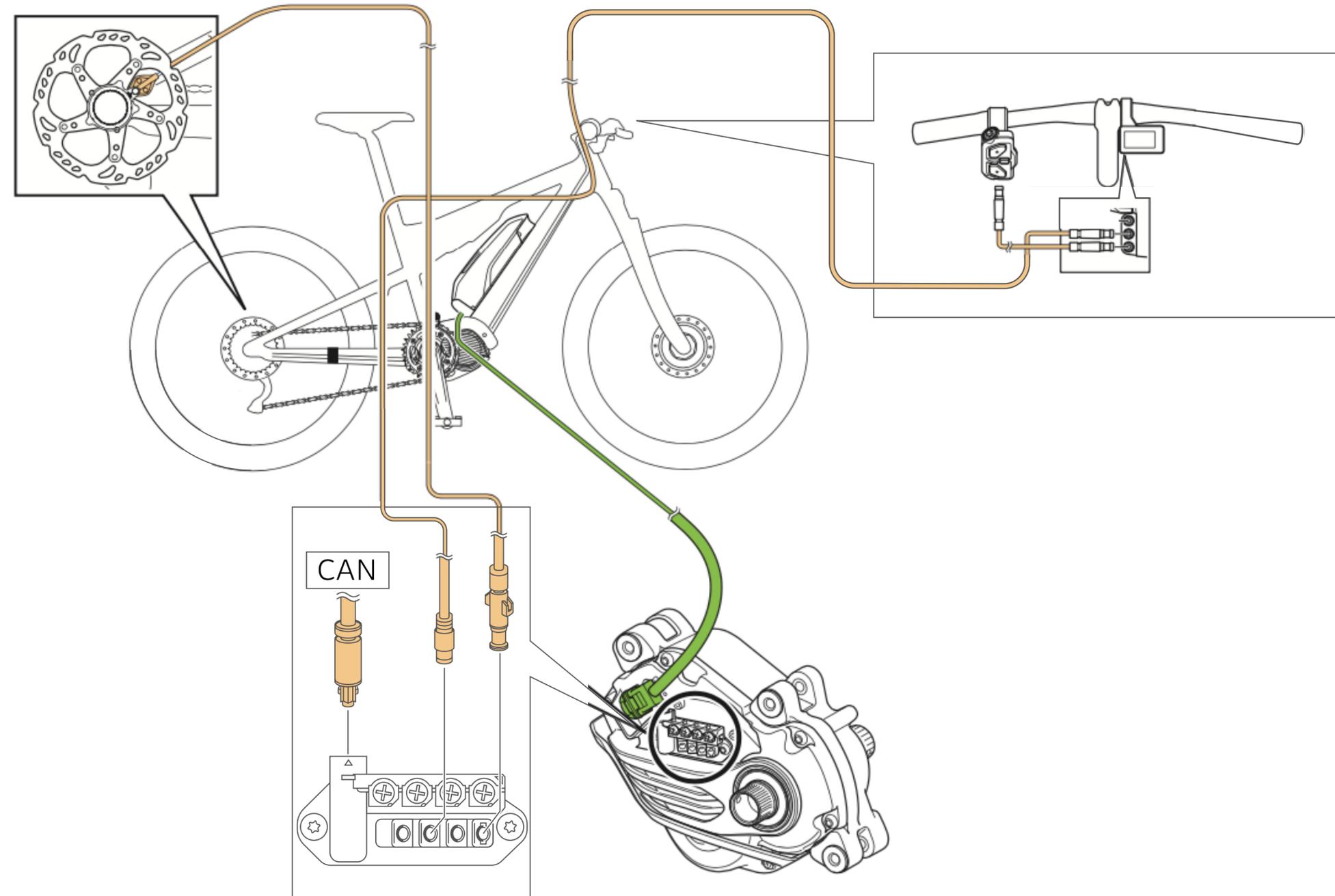
(A)	Built-in type battery ^{*1}
(B)	Battery mount ^{*1}
(C)	Drive unit
(D)	Drive unit cover (left side and bottom side)
(E)	Crank arm
(F)	Chainring unit
(G)	Speed sensor ^{*2}
(H)	Shifting unit ^{*3}
(I)	Disc brake rotor
(J)	Switch unit (assist switch)
(L)	Cycle computer
(M)	Electric wire
(N)	Chain device
(O)	Battery charger

ELECTRICAL PARTS

T7e	(A)	BT-EN806 630 Wh
	(B)	BM-EN801-A
	(C)	DU-EP801
	(D)	DC-EP801-A
	(E)	FC-EM600 160mm
	(F)	SM-CRE80-12-B 34T
	(G)	EW-SS301
	(H)	RD-M8100-SGS
	(I)	RT-EM600 203mm
	(J)	SW-EN600-L
	(L)	SC-EN600
	(M)	EW-SD300
	(N)	CD-EM800
	(O)	EC-E6002 SM-BTE80 SM-BCC1

T6e	(A)	BT-EN805-L 504 Wh
	(B)	BM-EN801-A
	(C)	DU-EP600
	(D)	DC-EP801-A
	(E)	FC-EM600 160mm
	(F)	SM-CRE70-B 34T
	(G)	EW-SS301
	(H)	RD-M5100-SGS
	(I)	RT-EM600 203mm
	(J)	SW-EN600-L
	(L)	SC-EN600
	(M)	EW-SD300
	(N)	CD-EM800
	(O)	EC-E6002 SM-BTE80 SM-BCC1

WIRING DIAGRAM



ERROR/WARNING INDICATION TROUBLESHOOTING

For details on error/warning codes, check the latest versions below:



<https://si.shimano.com/error>

NOTICE

If the error persists, stop using the bicycle and swiftly contact your place of purchase or a distributor for assistance.

WHEN A PROBLEM OCCURS TROUBLESHOOTING

The FAQ for SHIMANO STEPS can be accessed with the following:



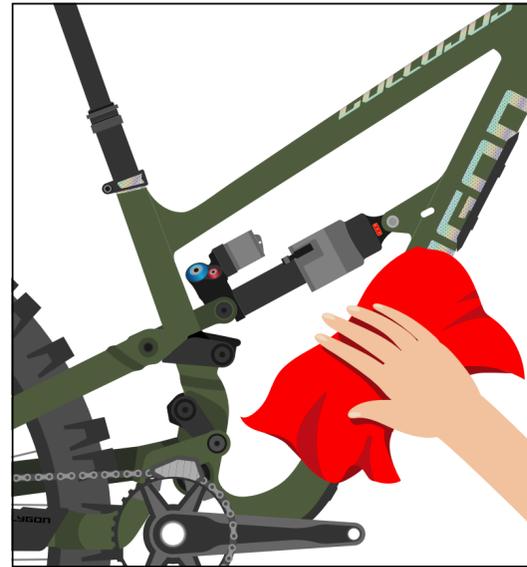
<https://bike.shimano.com/faq/STPOA>

HOW TO CLEAN THE BIKE



1

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



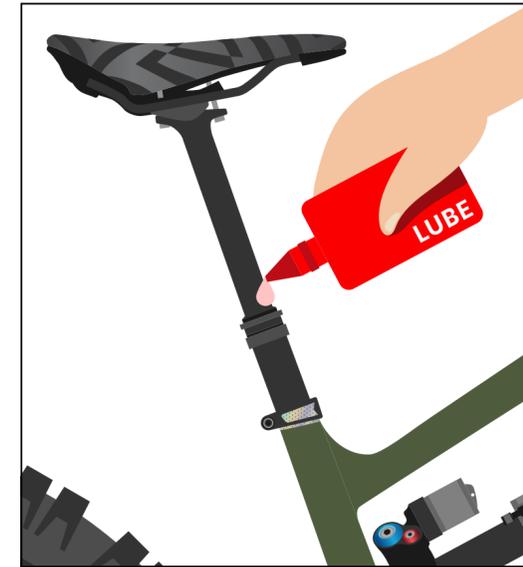
2

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.



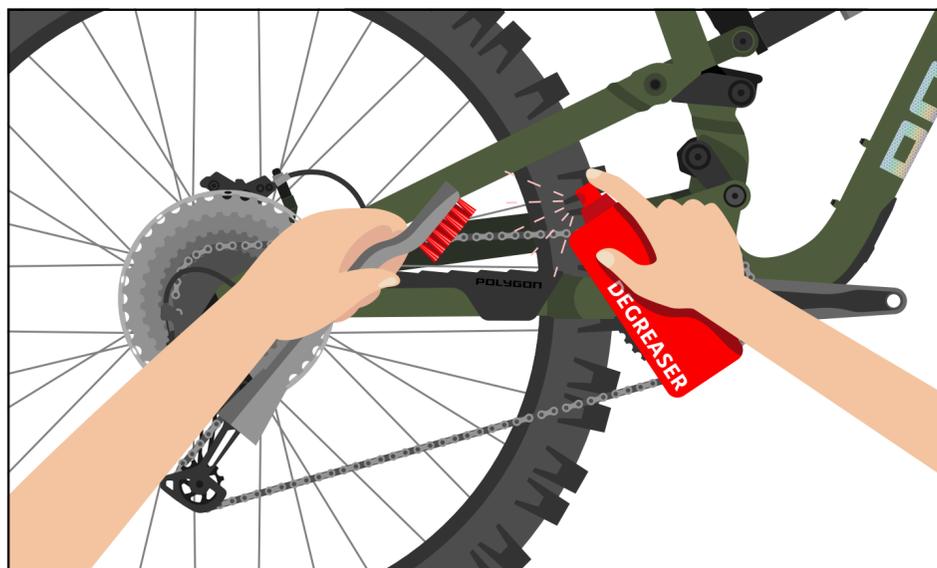
4

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, etc.

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.

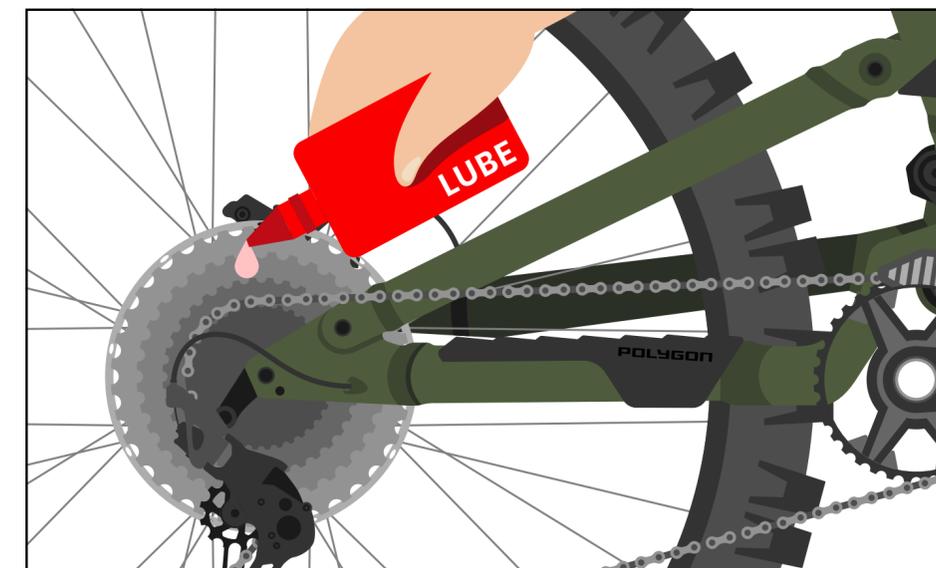
HOW TO MAINTAIN THE BIKE'S CHAIN



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.

HOW TO INSTALL / ADJUST DROPPER POST

For video on how to install a dropper post or how to adjust dropper post height, please check the link below :

