

2021

Tech Book



cannondale

Contents

General Information.....2

Cycling Prophet.....4

Mountain Bikes.....6

Jekyll 29.....	2019-21	6-7
Habit	2019-21	8-9
Scapel	2020-21	10-11
F-Si	2019-21	12
Trail SL/Trail SE	2021.....	13
LockR Pivot.....		14
DownLow Seat Post.....		16-17

Road Bikes 18

SuperSix EVO (Disc/Rim).....	2019-2021	18-19
SystemSix.....	2019-2021	20
HollowGram KNØT SystemBar.....		21
HollowGram SAVE SystemBar.....		22
SuperSlice.....	2019-2021	24-25
CAAD 13.....	2020-2021	26-27
CAAD Optimo	2021.....	28
CAADX.....	2021.....	29
Synapse Carbon (Disc)	2018-2021.....	30-31
Synapse Alloy (Disc)	2018-2021.....	32
SuperX.....	2017-2021.....	33
Topstone Alloy	2019-2021	34
Topstone Carbon.....	2020-2021	35
SI Compression Plug Kits.		36-37

Urban / Recreation / Fitness.....38

Treadwell	2020-2021	38
Bad Boy	2017-2021.....	39
Quick CX/.....		40-41

Electric Bikes

Habit Neo.....	2020-2021	42-43
Moterra Neo	2021.....	44-45
Mavaro Neo	2021.....	46-49
Topstone Neo Carbon	2021.....	50-51
Trail Neo S.....	2021.....	52
Canvas/Tesoro Neo X/		
Trail Neo (Gen 4 625Wh)	2021.....	53
Canvas Neo/Tesoro Neo X/		
Trail Neo Performance		
(Gen 4).....	2010-2021	54
(Gen 2/3).....	2019-2021	55
Canvas Neo/Tesoro Neo X/		
Trail Neo Performance	2019-2020	55
SuperSix EVO Neo (X35).....	2020-2021	56-57
Treadwell Neo	2020-2021	58
Synapse Neo/Quick Neo	2019-2021	60
Quick Neo SL	2020-2021	61

HollowGram Cranksets 62

Mountain Cranksets	2021.....	62-63
Road Cranksets	2021.....	64-65
Bottom Bracket Info	2021.....	66

Lefty Ocho /

Lefty Oliver / Headshok DL5067

Required Maintenance.....		67
Troubleshooting.....		68
Lefty Oliver	2021.....	70-71
Lefty Ocho		72-73
Lefty Ocho Brake Routing.....		74
Lefty Ocho Lockout Set-Up.....		75
Lefty Wheel Hubs.....		76-77
Lefty Ocho Decals.....		78
Manual Reset Lefty Ocho		79
Headshok DL50		88-81
Lefty /Headshok Service Tools		82-83
Authorized Service Centers		84-85

Components 86

Rear Derailleur Hangers.....		86-90
Freehub Bodies.....		91-95
Kickstand Compatibility		96-97
Thru-Axle Table.....		98-99
HollowGram Wheel Specs.....		100-101

General Information

About this Technology Support Manual

- The information in this Technology Support manual is intended for Authorized Cannondale Bicycle Dealers and Distributors. Information updates are performed periodically and the most recent date of an update is displayed in the lower left corner of each page. Cannondale reserves the right to make product improvements and changes at any time without prior notice. No part of this Technology Support manual may be reproduced without prior written permission.
- The latest updated version of this Technology Support manual is available in PDF format at: b2b.cyclingsportsgroup.com.
- The exploded views, illustrations, and photographs are intended only as an aid to identification of available replacement parts. The frame specifications table are intended as a guide to frame and component compatibility, not the suitability of any particular part. Ultimately, questions about part compatibility should be answered by experienced bike mechanics or be directed to Cannondale Technical Support before ordering.
- This Technology Support manual is NOT a complete or comprehensive service manual for the listed products. To obtain product manuals, recall information, service bulletins and/or installation instructions please visit: b2b.cyclingsportsgroup.com.
- Some service kits contain multiple parts, some contain a single part. If a service kit contains multiple individual parts (e.g. O-rings, fasteners, pivot axles), the multiple parts will be identified by a single kit\ - A, B, C...

Servicing Guidelines

- Use a properly calibrated torque wrench when tightening fasteners. Tighten fasteners to the specified torque value. Clean and apply specified high-quality thread-locking agent (e.g. Loctite™) or grease to the fastener threads.
- Whenever replacing a service wear item, also replace any related seals, O-rings, and circlips with new ones.
- When replacing parts that have been damaged due to a crash or impact, be sure to clean and inspect other parts for damage. Take corrective action before replacing damaged or broken parts.
- Damaged or removed bearings should not be re-used. Install new bearings as a set and use the correct bearing tools.
- Always thoroughly clean all parts and surfaces before assembly. Use a clean, dry shop towel. Do not use automotive spray chemicals or harsh abrasives to clean; damage to parts, finishes, or decals can result.
- All screws, nuts, bolts, etc. are metric unless noted otherwise.
- Always use the specified high-quality tools, liquids, and lubricants where indicated.

Warranty

For consumer warranty policy: please refer to the Cannondale Limited Warranty available at www.cannondale.com

For dealer warranty guidelines and claims processes: to resolve any warranty issues customers may have, please refer to our Warranty section at b2b.cyclingsportsgroup.com

Service Instructions, Technical Support, and Ordering

For service instructions, technical support and ordering service kits please visit b2b.cyclingsportsgroup.com

Symbols

This TECH BOOK uses some icons, abbreviations, and symbols to simplify the information presented on each page. They are:

Symbol	Name	Description
	Safety alert symbol	Indicates that the related parts are safety related. Use only the kit Part Number indicated for replacements; do not substitute other parts.
	NGLI-2 synthetic grease	Apply NGLI-2 synthetic grease.
	Anti-Sieze Lubricant	Apply Permetex® Anti-Sieze Lubricant
	Carbon Gel	Apply carbon gel (friction paste) KF115/
	Suspension grease	Buzzy's Slick Honey™ or R.S.P. Slick Kick
	Medium-strength removable thread lock	Apply Loctite® 242 (blue) or equivalent.
	High-strength removable thread lock	Apply Loctite® 262 (red) or equivalent.
	Medium-strength plastic fastener thread lock	Apply Loctite 425 Instant Adhesive or equivalent.
	Low strength removable thread lock	Loctite® 222
N·m	Newton meter	Indicates the specified tightening torque for the fastener. Use a correctly sized and calibrated torque wrench.
		Indicates availability of detailed product service/education video.

Abbreviation

ACB - Angular Contact Bearing
 ALLY - Alloy
 BB - Bottom Bracket
 BCD - Bolt Circle Diameter
 BLK - Black
 BRGS - Bearings
 BRK - Brake
 CBL - Cable
 CR - Chain Ring
 CRB - Carbon (composite)
 CS - Chain Stay
 DIA. - Diameter
 DO - Dropout
 DS - Drive Side
 DT - Down Tube
 EXT - External
 FD - Front Derailleur

FT - Front
 FTTR - Front Triangle
 GRDS - Guard
 GRN - Green
 HDWE - Hardware
 HGR - Hanger
 HGRM - Hollowgram
 HT - Head Tube
 I.D. - Inside Diameter
 in - Inches
 INT - Internal
 kg - kilograms
 kgf - kilogram-force
 lbs - pounds
 LFT - Left
 LNK - Link
 LWR - Lower

MAX. - Maximum
 MIN. - Minimum
 mm - millimeters
 MNT - Mount
 MTN - Mountain
 N/A - Not Applicable
 NDS - Non-Drive Side
 -- Not Pictured
 N·m - Newton Meter
 O.D. - Outside Diameter
 ORG - Orange
 p/n - Part Number
 psi - pounds per square inch
 QR - Quick Release
 QTY - Quantity
 RD - Rear Derailleur
 RGT - Right

RR - Rear
 SI - System Integration
 SST - Seat Stay
 ST - Seat Tube
 TA - Thru-Axle
 TC - Top Cap
 w/ - With
 WHT - White
 Wmn - Womens'
 UPR - Upper

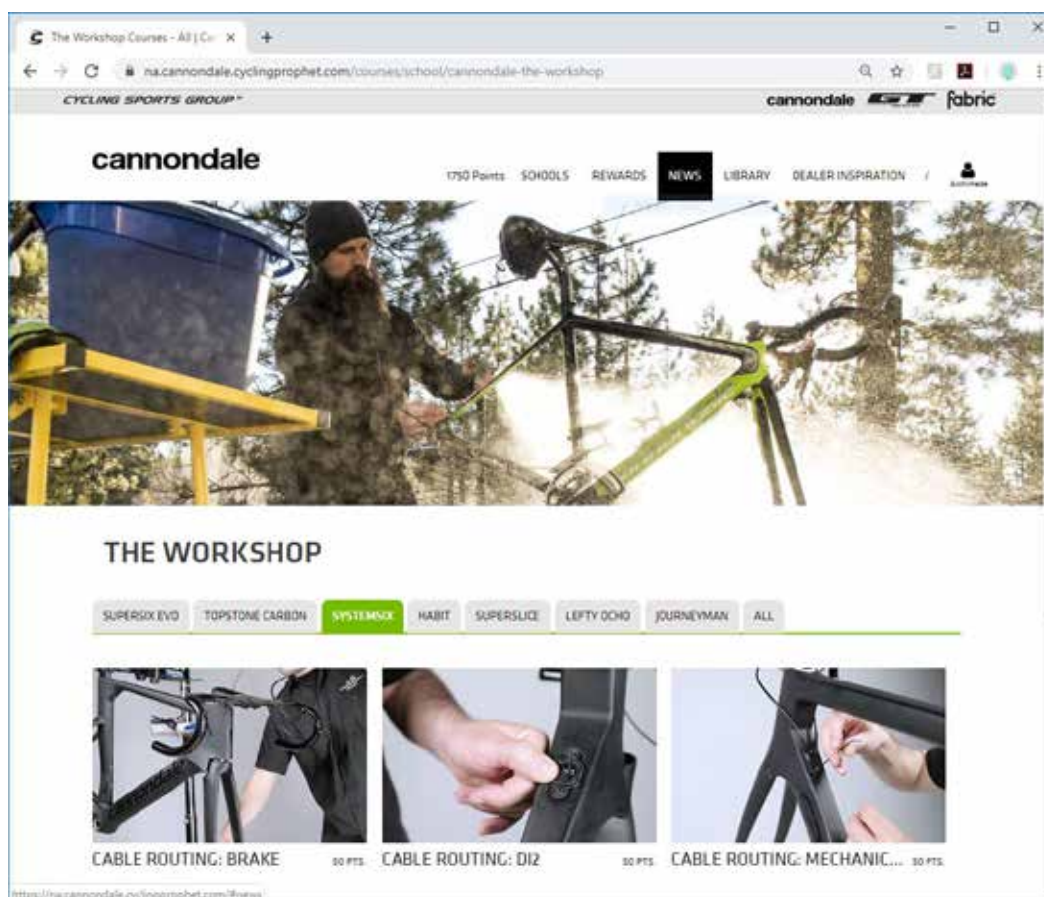
Cycling Prophet

Cycling Prophet supports education and service of Cycling Sports Group brands online via its website. The website resources are available to CSG Dealers.

In order to take advantage of the Cycling Prophet resources, you will need to establish an account with a login and password.

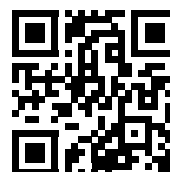
You can establish your account by visiting: www.cyclingprophet.com Select the brand and choose CREATE ACCOUNT.

The screen shot below is an example of THE WORKSHOP area for Cannondale. In this area, step-by-step, videos focused on specific services are available by bike model and/or component technology.



cycling prophet™

Service Videos Available Online

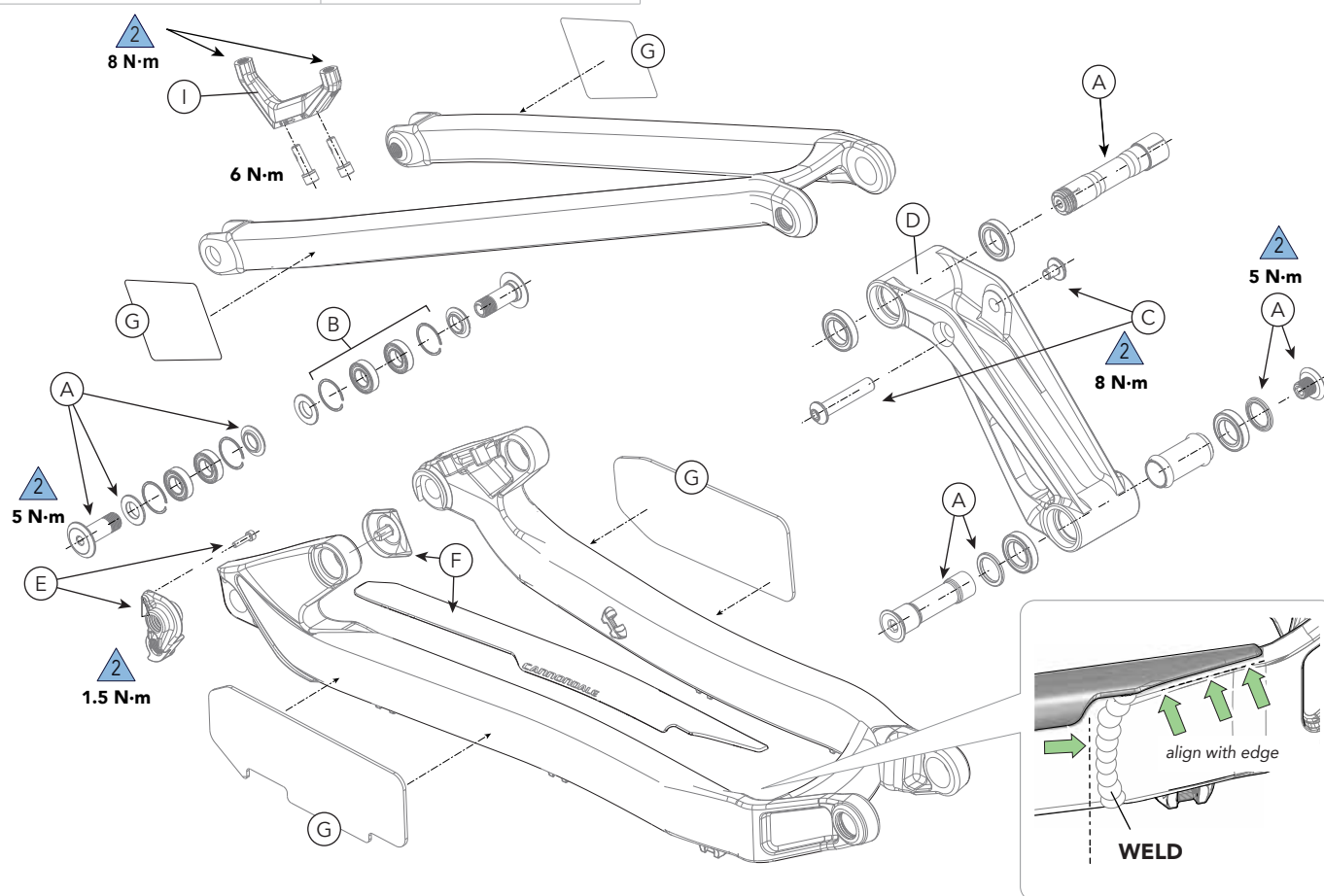


This page has been left blank intentionally

Jekyll 29

Item	Specification
Rear Travel	Flow Mode: 150 mm Hustle Mode: 120 mm
Head Tube	UPR: 1 -1/8 in, LWR: 1-1/2 in
Headset	FSA Orbit C-40-ACB w/ 9.1 mm stack
Bottom Bracket: Type/ Width	PF30 / 83 mm
Front Derailleur	N/A
Seat Post: Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	100 mm
▲ Tire Size x Max. Width	29 in x 2.5 in (measured)
▲ Max. Fork Length	565 mm
Rear Shock: Eye-To-Eye / Stroke / Bushing Width	230 mm / 60 mm / FT: 30 × 8 mm, RR: 30 × 8 mm
Sag	30%, 18 mm
Chain Guide	ISCG 05

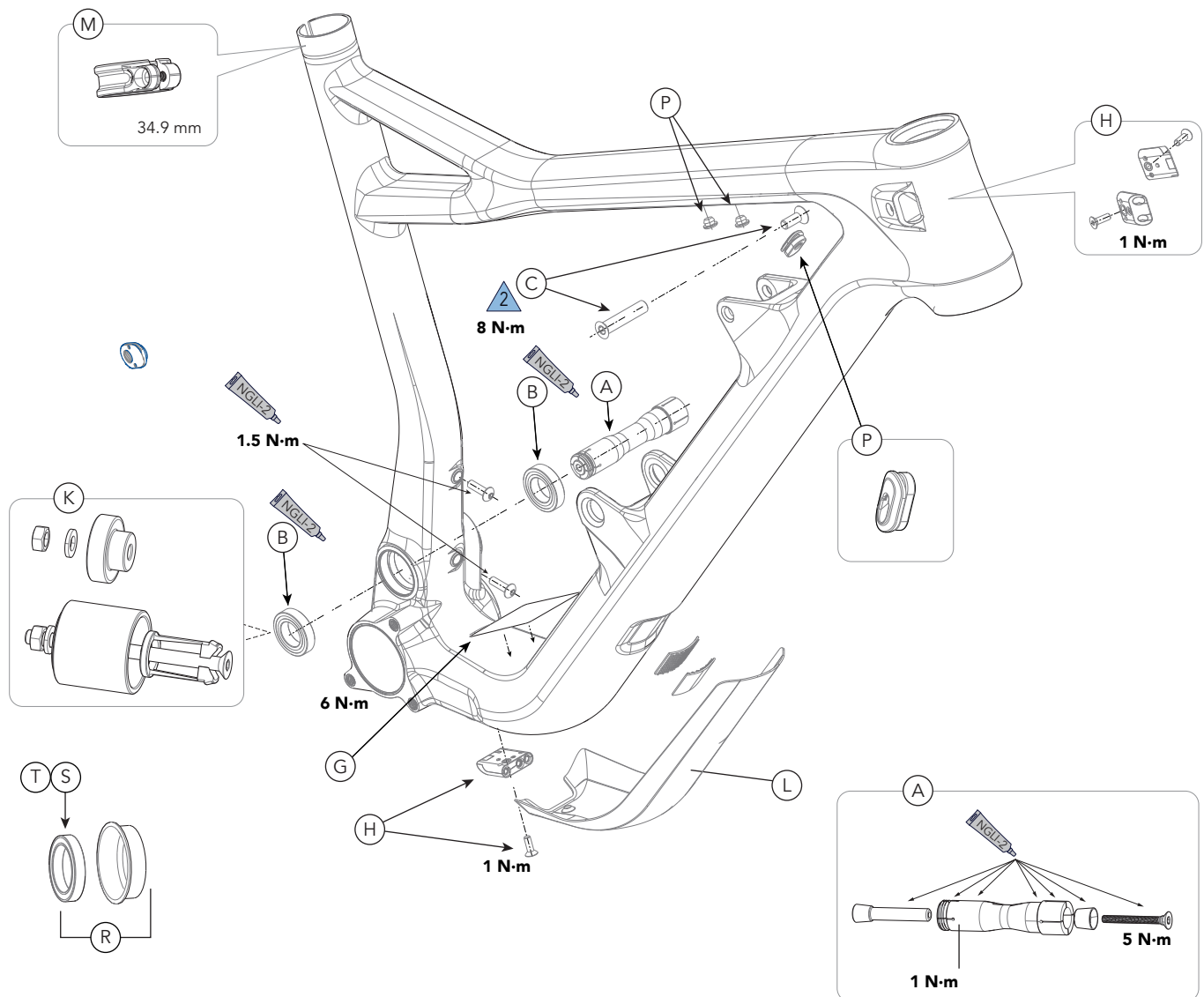
Item	Specification
Rear Brake: Mount Type / Min/Max Rotor Dia	Flat Mount / 160 mm / 180 mm
Rear Axle: Type/Length	Maxle TA / 148 × 12 mm, 180 mm length
Ai Offset:	Rear Wheel: 3 mm Offset to NDS SRAM Chainring: +6 mm Offset Hollowgram SpideRing: Ai Offset
▲ Intended Use	ASTM CONDITION 4, All- Mountain
▲ Max. Weight Limit Total (rider+all equipment):	305 lbs / 138 kg



ID	Part Number	Description
A	CK3157U000S	Jekyll Pivot HDWE
B	CK3167U000S	Jekyll Pivot BRGS
C	CK3207U000S	Jekyll CRB Shock Mount HDWE
D	K36119	Jekyll Suspension Link 29 BLK
E	CK3257U000S	Derailleur Hanger TA ST SS 015
F	CK3217U000S	Jekyll Ai Chain Stay Protector
G	K34058	Jekyll/Trigger Alloy CS Heel Rub Guard

ID	Part Number	Description
I	KP421/160	Brake MNT Flat 160 mm
I	KP421/180	Brake MNT Flat 180 mm
P	CK3187U000S	Jekyll/Trigger Grommets
M	KP388/	Seatbinder MTN 34.9

Jekyll 29



See **LOCKR** for instructions.

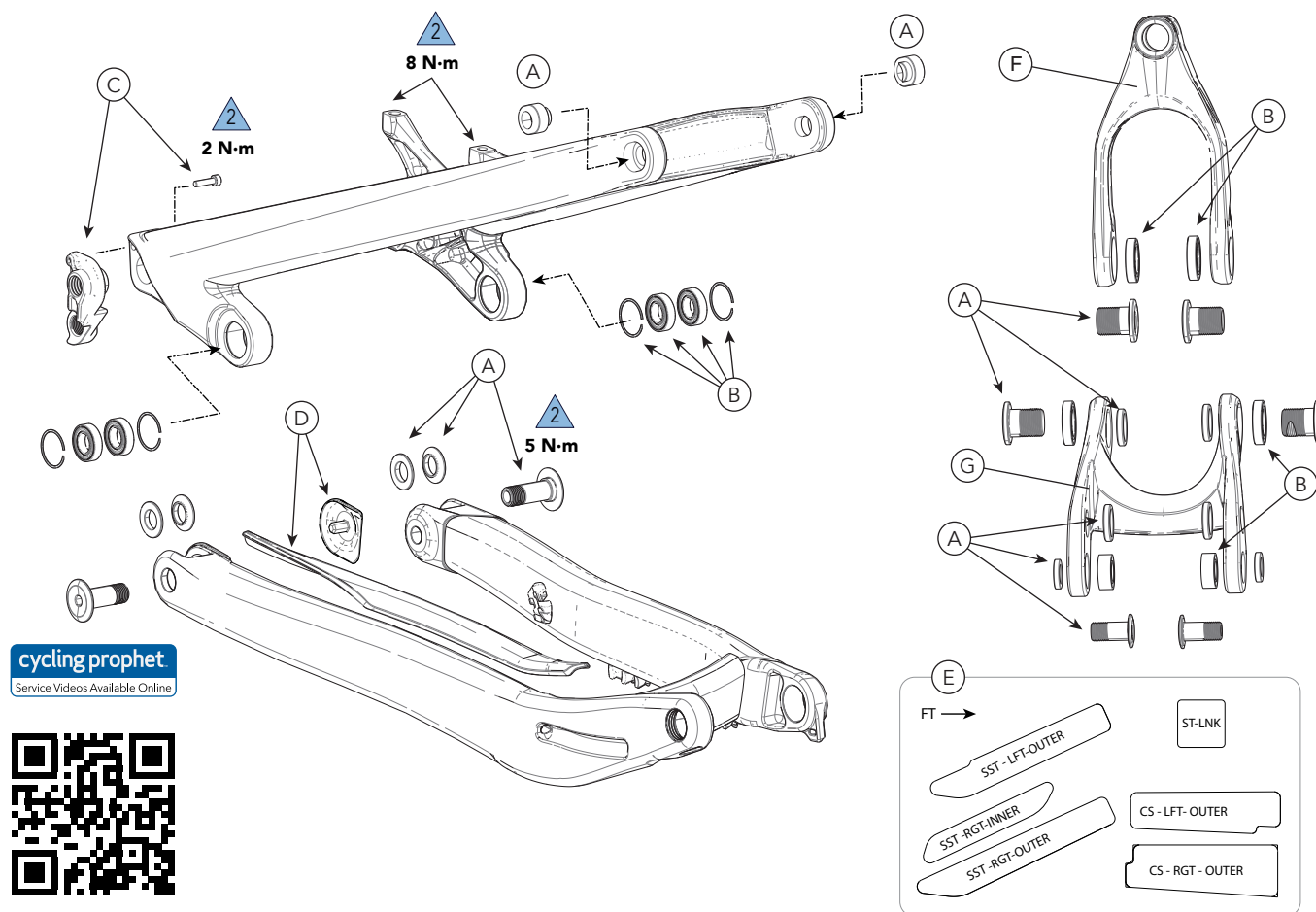
ID	Part Number	Description
H	KP436/	Modular CBL Guides HT DT BB
K	CK9017U00OS	17x30 Bearing Tool
L	K34088SM	Jekyll CRB DT Protector, SM
	K34088MD	Jekyll CRB DT Protector, MD
	K34088LG	Jekyll CRB DT Protector, LG
	K34088XL	Jekyll CRB DT Protector, XL

ID	Part Number	Description
R	KP197/SRM	PF30 BB Cups And Bearings
S	KB6180/	BB30 Bearing Blue (QTY 2)
T	K22037	BB30 Bearing Blue (QTY 24)
	K32027	Internal Di2 Battery Mount
	KP169/	Tool Jekyll Pivot

Habit

Item	Specification
Model	Habit
Wheel Size	XS: 27.5 in, S-XL: 29 in
Rear Travel	XS: 116 mm, S-XL: 130 mm
Head Tube	UPR: 1 -1/8 in, LWR: 1-1/2 in
Headset	Integrated, 1-1/8 in - 1-1/2 in
Bottom Bracket: Type/ Width	CRB: PF30 / 83 mm, ALLY: BSA / 83 mm
Front Derailleur	N/A
Seat Post: Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	100 mm
Max. Tire Width	XS: 27.5 in x 2.5 in S-XL: 29 in x 2.5 in
▲ Max. Fork Length:	551 mm
Rear Shock: Eye-To-Eye / Stroke	XS: 190 mm / 45 mm S-XL: 210 mm / 50 mm

Item	Specification
Bushing Width	FT: 20 × 8 mm, RR: Bare
Recommended Sag:	25%, 12 mm
Chain Guide	ISCG 05
Rear Brake: Mount Type / Min/Max Rotor Dia.	Post Mount / 180 mm
Rear Axle: Type/Length	Maxle TA / 148 × 12 mm, 180 mm Length
Ai Offset:	Rear Wheel: 3mm Offset to NDS SRAM Chainring: +6 mm Offset Hollowgram SpideRing: Ai Offset
▲ Intended Use:	ASTM CONDITION 4, All-Mountain
▲ Max. Weight Limit: Total (Rider+all equipment):	305 lbs / 138 kg



ID	Part Number	Description	CRB	ALLY
A	K36169	Habit Pivot Hardware		
B	K36179	Habit Pivot CS SS Link Brgs		
C	CK3257U000S	Derailleur Hanger TA ST SS 015		
D	K34129	Chainstay and Horst Pivot Protec-tors		
E	K34239	Habit CS SS ST Clear Protectors		

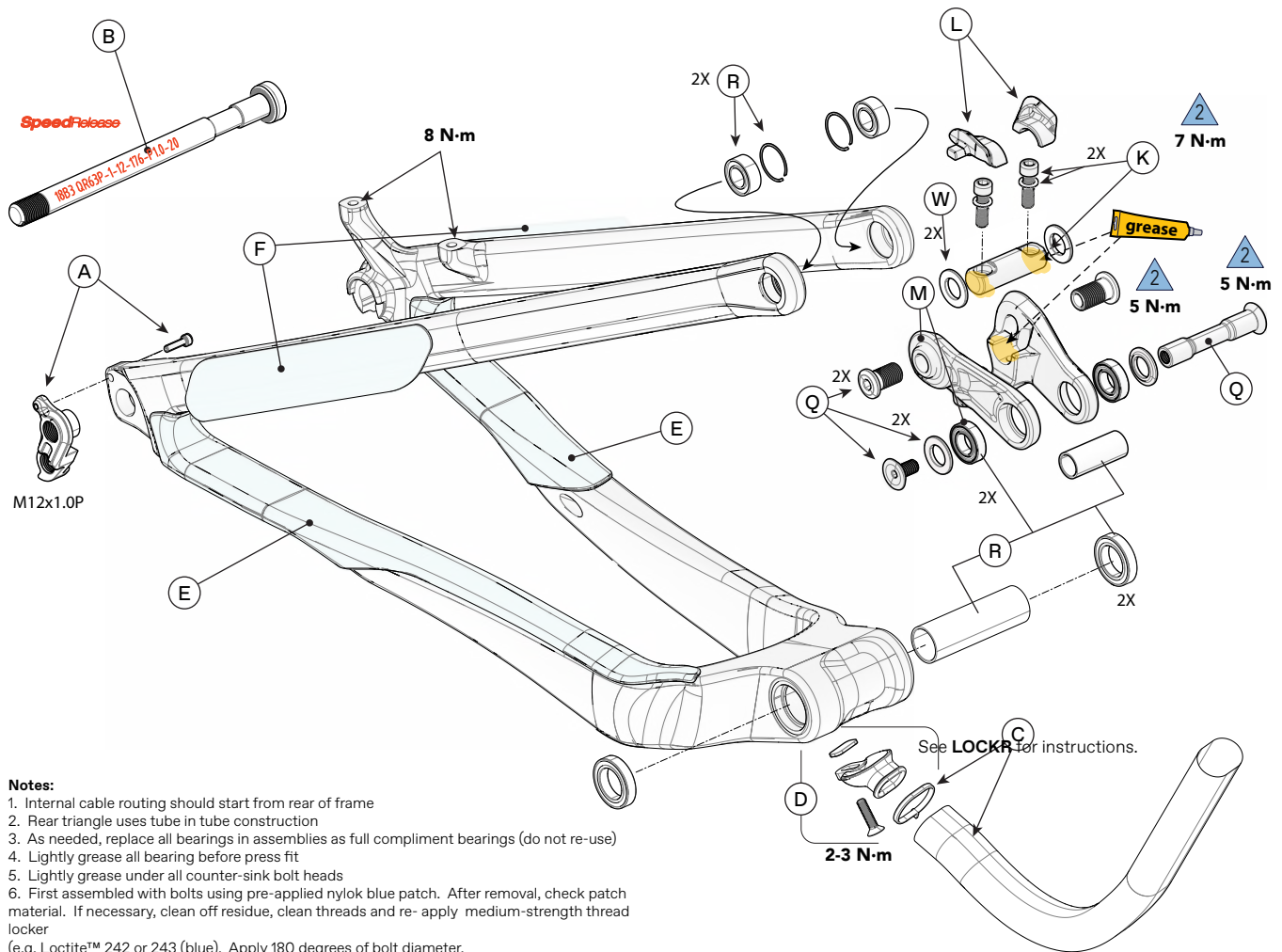
ID	Part Number	Description	CRB	ALLY
F	K36109	Habit Yoke XL BLK		
	K36099	Habit Yoke L BLK		
	K36089	Habit Yoke XS-M BLK		
G	K91069	Habit Suspension Link BLK		

Scalpel

2020-2021

Item	Specification
Rear Travel	100 mm, SE: 120 mm
Head Tube	UPR: 1-1/8", LWR: 1-1/2"
Headset	FSA Orbit C-40-ACB No. 42
Bottom Bracket: Type/ Width	PF30 / 83 mm
Front Derailleur	N/A
Seat Post: Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	100 mm
▲ Tire Size x Max. Width	622 x 61 mm
▲ Max. Fork Length	532 mm
Rear Shock: Eye-To-Eye / Stroke / Bushing Width	190 mm / 40 mm / FT: M8 x 25 mm, RR: None SE: 190 mm / 45 mm / FT: M8 x 25 mm, RR: None

Item	Specification
Sag	25%, 10 mm SE: 25%, 11 mm
Chain Guide	Integrated w/ Main Pivot
Rear Brake: Mount Type / Min/Max Rotor Dia	Post Mount / 160 mm / 180 mm
Rear Axle: Type/Length	148x12 Speed Release TA M12 x 1.0p x 176 mm Overall Length
Ai Offset:	Rear Wheel: 3 mm Boost Ai Offset to NDS Hollowgram SpideRing: Ai Offset SRAM Chainring: +6 mm Offset
▲ Intended Use	ASTM Condition 3, Cross Country, Marathon, Hardtails
▲ Max. Weight Limit Total (rider+all equipment):	305 lbs. / 138 kg.



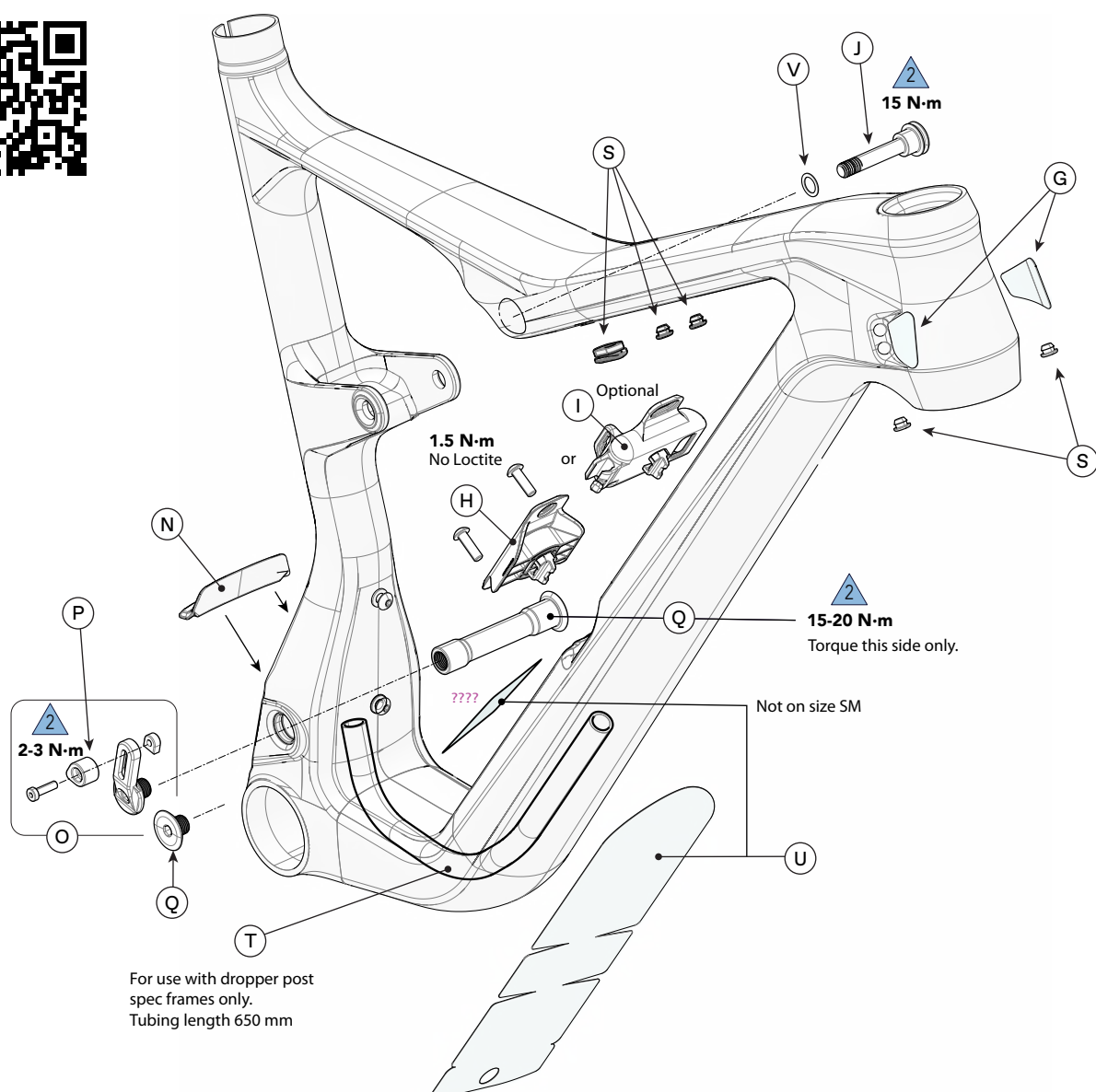
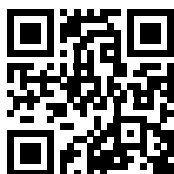
ID	Part Number	Description
A	K33001	Derailleur Hanger TA ST SS 078
B	K83061	Speed Release Ta 148x12 176 Mm M12x1.0p
C	K32011	Cable Funnel Tubing And Tie
D	K32001	Cable Funnel W/ Bolt
E	K34001	CS Flex Covers NDS And DS
F	K34021	SS Inboard Frame Protector

ID	Part Number	Description
G	K34031	HT Rub Guard Clear Protectors
H	K32021	DT Blank Cable Guide
I	K32031	DT Tool Cable Guide W/ CO2 Retainers
J	K91001	Scalpel Shock Bolt Upper
K	K91011	Scalpel Shock Reducer Lower
L	K34011	Scalpel Link Covers Right And Left

Scalpel

2020-2021

cycling prophet.
Service Videos Available Online



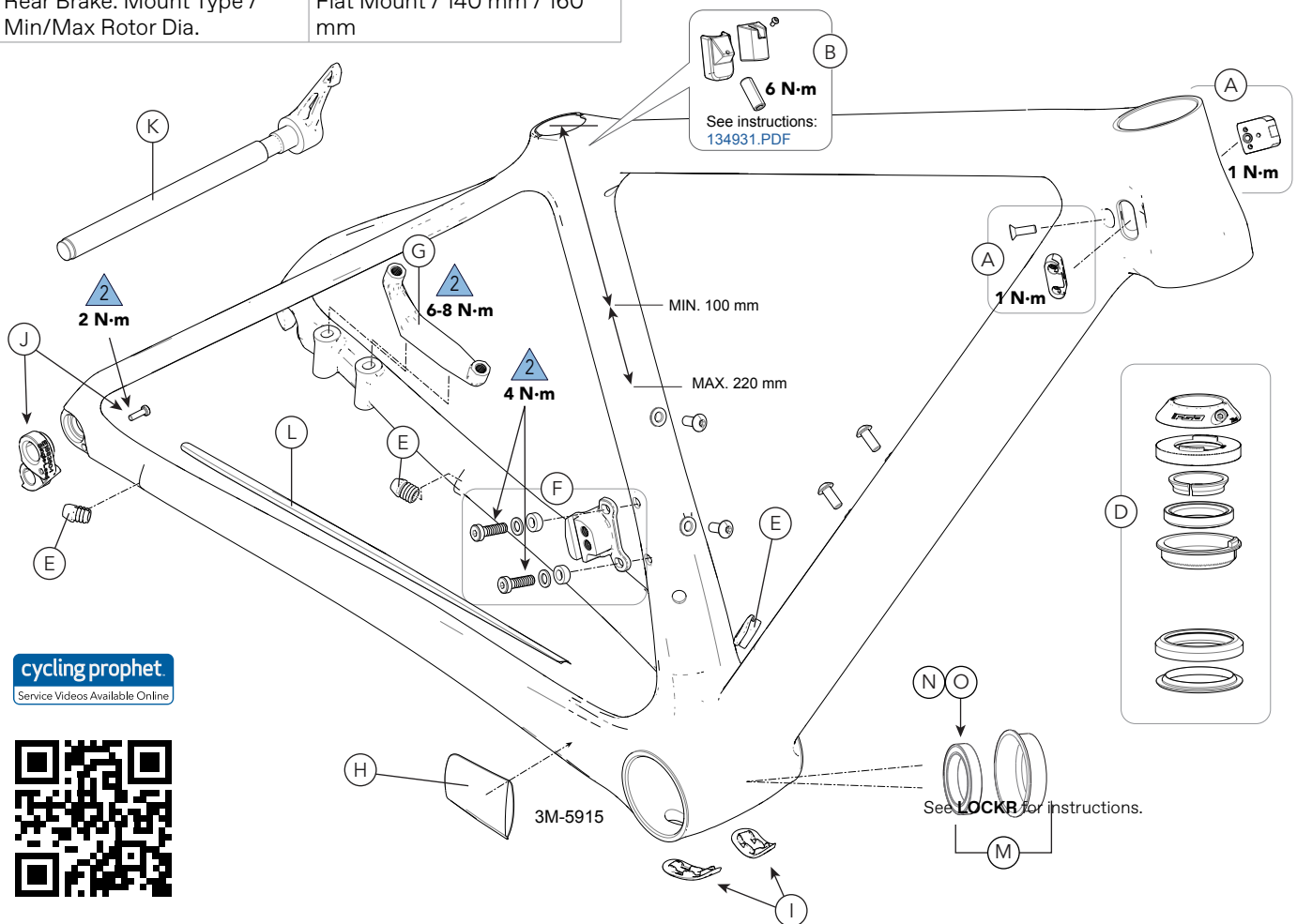
ID	Part Number	Description
M	K91021	Scalpel Suspension Link 29 /W Brgs
N	K11001	Scalpel Rear Fender
O	K11011	Scalpel Chainguide Complete
P	K11021	Scalpel Chainguide Top
Q	K91031	Scalpel Pivot Hardware
R	K91041	Scalpel Pivot Cs Ss Link Bearings
S	K32041	Scalpel Frame Grommets
T	K32051	Scalpel Dropper Tubing

ID	Part Number	Description
U	K34051	DT Frame Protector
V	K91081	Scalpel Shock Bolt Washer
W	K36041	Scalpel Shock Pin Spacers Qty 2

F-Si

Item	Specification
Head Tube	UPR: 1 -1/8 in, LWR: 1-1/2 in
Headset	Integrated, 1-1/8 in - 1-1/2 in
Bottom Bracket: Type/ Width	PF30 / 83 mm
Front Derailleur	Direct Mount, Side-Swing
Seat Post: Dia./Binder	27.2 mm / Internal Wedge
▲ Seat Post Insert: Min. / Max	100 mm / 220 mm
▲ Max. Tire Width	29 in x 2.35 in
▲ Max. Fork Length:	510 mm
Chain Guide	N/A
Rear Brake: Mount Type / Min/Max Rotor Dia.	Flat Mount / 140 mm / 160 mm

Item	Specification
Rear Axle: Type/Length	Speed Release, Single Lead 148 x 12 mm, 165 mm Length
Ai Offset:	Rear Wheel: 3 mm Offset to NDS SRAM Chaining: +6 mm Offset Hollowgram SpideRing: Ai Offset
▲ Intended Use:	ASTM CONDITION 3, Cross-Country, Marathon, Hardtails
▲ Max. Weight Limit: Total (rider+all equipment):	305 lbs / 138 kg



ID	Part Number	Description
A	KP456/	Modular Cable Guides Headtube
B	K26058	27.2 Internal Seat Binder
-	K35029	Headset 1-1/8 to 1.5 with 36 Deg CR (M-XL Frames)
D	K35048	Headset 1-1/8 To 1.5 Steer Stop (XS-S Frames)
E	K32048	Shift and Cable Grommets
F	K33048	F-Si Front Derailleur Hanger
G	KP421/160	Brake Mount Flat 160 mm
H	K34028	F-Si Chainsuck Protector
I	K32038	F-Si Bottom Bracket Cable Guide

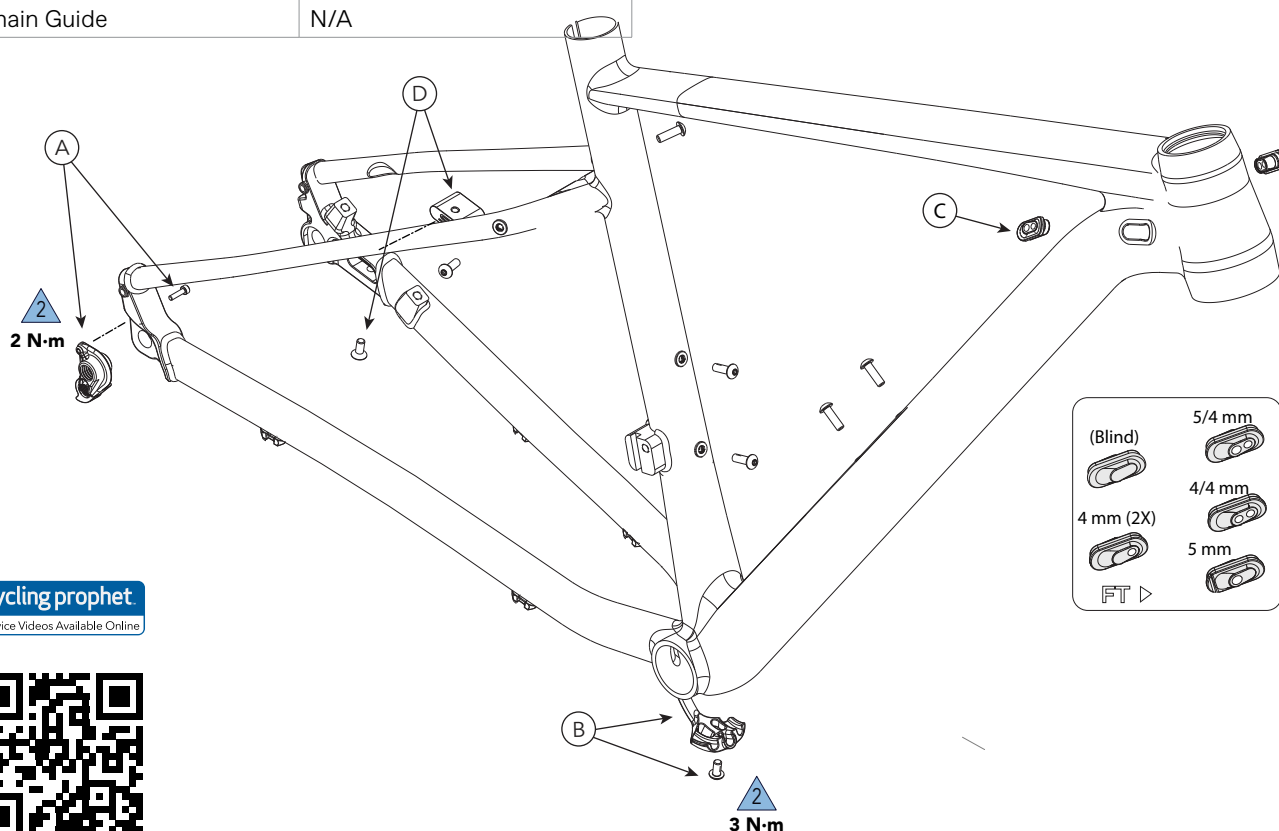
ID	Part Number	Description
J	K33040	MY19 - MY21: Derailleur hanger TA ST SS 073 (hexagonal engagement)
	K33049	MY19: Derailleur hanger TA ST SS 073 (round engagement)
K	K83028	Speed Release Thru Axle 148x12
L	K34299	F-Si Chainstay Protector
M	KP197/SRM	PF30 Bottom Bracket Cups And Bearings
N	KB6180/	BB30 Bearing Blue (QTY 2)
O	K22037	BB30 Bearing Blue (QTY 24)
-	K35009	SL Compression Plug With Top Cap

Trail SL / Trail SE

2021

Item	Specification
Head Tube	1-1/8in.-1.5in.
Headset	Integrated, 1-1/8in.-1.5in
Bottom Bracket: Type/Width	BSA/73mm
Front Derailleur	Direct Mount
Seat Post: Dia./Binder	31.6mm/34.9mm
▲ Min. Seat Post Insert	100mm
Max. Seat Post Insert	XS:230mm SM:260mm MD:210mm LG:230mm XL:280mm XXL:320mm
▲ Tire Size x Max. Tire Width	29in. x 61mm (measured)
▲ Max. Fork Length	530mm
Chain Guide	N/A

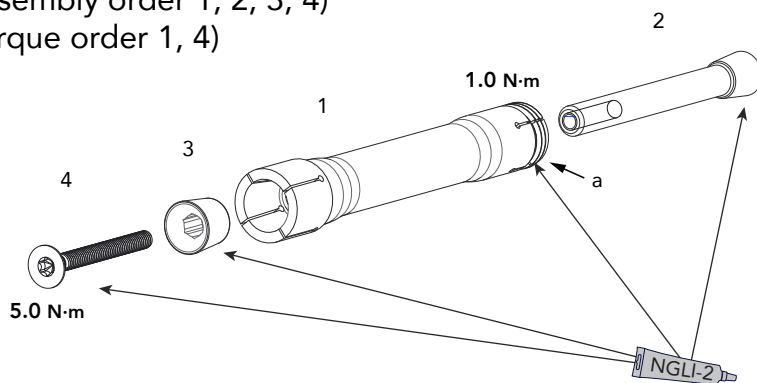
Item	Specification
Rear Brake: Mount Type / Min./Max. Rotor Dia.	XS, S: Post Mount 160mm/160mm MD, LG, XL XXL: Post Mount 160mm/180mm
Rear Axle: Type/Length	RR:Maxle TA 148×12mm, 174mm Length
▲ Intended Use	ASTM CONDITION 3
▲ Max. Weight Limit: Total (Rider+All Equipment)	355lbs/161kg



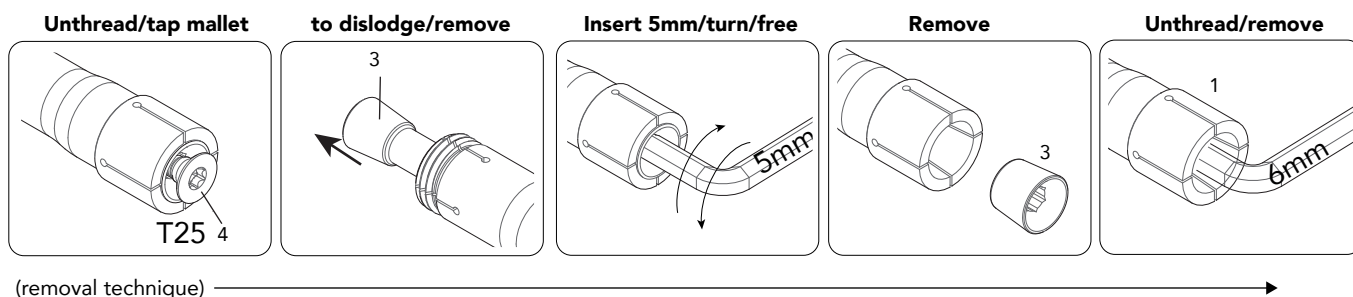
ID	Part Number	Description
A	CK3257U00OS	Derailleur Hanger TA ST SS 015
B	K32058	BB Cable Guide E206909
C	K32000	Shift/Brake Keyhole Grommets
D	K31010	Flip Chip Kickstand Bracket

LockR Pivot

(Assembly order 1, 2, 3, 4)
(Torque order 1, 4)



Do not install assembled!



Installation

1. Disassemble and clean all parts of the LockR axle. Do not install it assembled.

Inspect the parts for damage (burrs, scratches, deformity, wear). Replace the entire LockR assembly if any damage is found.
2. Apply a light coating of a high-quality bicycle bearing grease to all parts.
3. Align the linkage and bearing and insert the threaded end of the pivot axle (1) into the non-drive side.
4. Tighten the inserted pivot axle to 1 Nm using a 6 mm hex key fitted torque wrench from the non-drive side.

NOTICE

Use a calibrated torque wrench. Exceeding 1 Nm will result in permanent damage to the LockR pivot system.

5. Insert the wedge bolt (2) into the drive side of the axle and insert the small end of the wedge (3) into the non-drive side axle head.
6. Thread the screw (4) into wedge bolt with a wrench and tighten to 5.0 Nm.

Removal

IMPORTANT: Be sure to support the bike or swingarm to prevent personal injury or bike damage when removing/disconnecting linkages of an axle.

1. Loosen the screw (4) 4-6 turns using a T25 Torx key.
2. Tap head of screw (4) with a rubber mallet to un-seat the wedge bolt (2).
3. Remove the screw (4) and wedge bolt (2) from the axle (1).
4. Insert a 5 mm hex key to twist the wedge (3) free and remove it (shown). If wedge sticks insert a wooden or plastic dowel into the drive side and use it to tap out the wedge (3).
5. Insert a 6 mm hex key into the axle (1) on the non-drive side and turn counter-clockwise until it can be removed.

This page has been left blank intentionally

DownLow Dropper Seat Post

Specifications

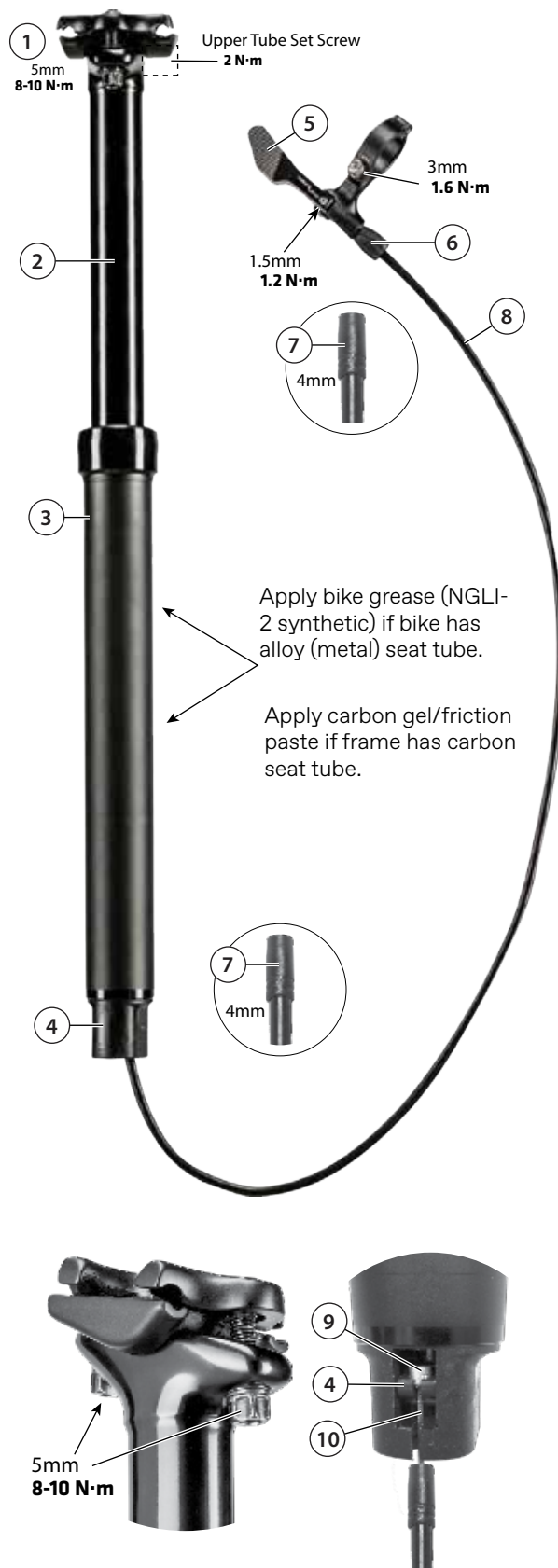
Product Codes	Seat Post Dia.	Upper Tube Length (2)	Full Length
CP2109U1034	31.6mm	100 mm	340 mm
CP2209U1039		125 mm	390 mm
CP2309U1044		150 mm	440 mm
CP2151U1048		170 mm	480 mm
Minimum Seat Post Insertion		100 mm	
Saddle Rail Compatibility		7×7 mm and 7×9 mm	
Cable Compatibility		4 mm shifter housing/cable	
▲ Intended Use: ASTM CONDITION 1-4, All-Mountain. Not Intended: Do not use for Downhill, Freeride, Dirt Jump, and in other aggressive riding styles conditions.			

Identification

- | | | |
|-----------------|--------------------|-------------------|
| 1. Seat Clamp | 6. Barrel Adjuster | 9. Cable Head |
| 2. Upper Tube | 7. Ferrule Ends | 10. Shifter Cable |
| 3. Lower Tube | 8. Cable Housing | |
| 4. Actuator | | |
| 5. Remote Lever | | |

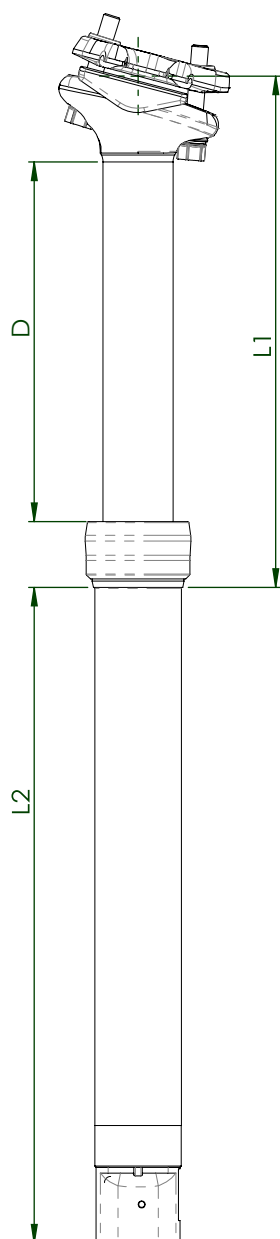
Service Kits

ID	Part Number	Description
A	K2604900	DownLow Damper 100mm
	K2604925	DownLow Damper 125mm
	K2604950	DownLow Damper 150mm
	K2604970	DownLow Damper 170mm
B	K2605900	DownLow Upper Tube 100mm
	K2605925	DownLow Upper Tube 125mm
	K2605950	DownLow Upper Tube 150mm
	K2605970	DownLow Upper Tube 170mm
C	K2606900	DownLow Lower Tube 100mm
	K2606925	DownLow Lower Tube 125mm
	K2606950	DownLow Lower Tube 150mm
	K2606970	DownLow Lower Tube 170mm
D	K26079	DownLow Rail Clamp w/ Hardware
E	K26089	DownLow Chassis Rebuild Kit
F	K26099	DownLow Actuator Kit
--	K26109	DownLow 1x Remote Lever
--	K26119	DownLow 2x Remote Lever
--	CP2201U100S	DownLow Matchmaker/Clamp 1x RemoteKit BK

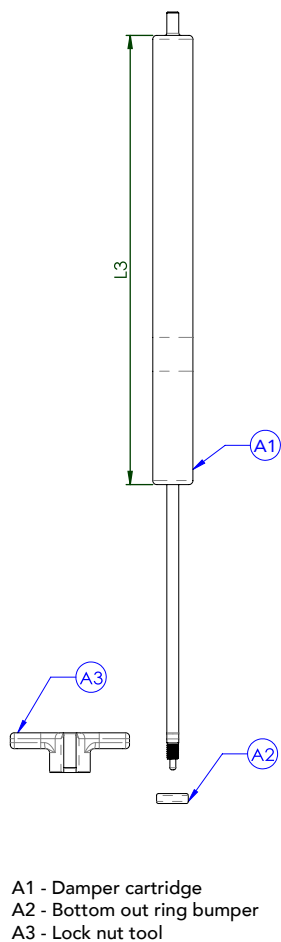


DownLow Dropper Seat Post

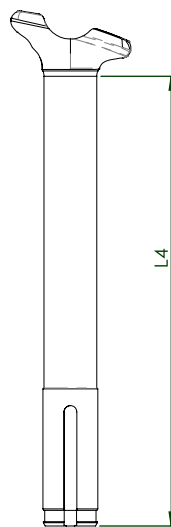
Main Dimensions



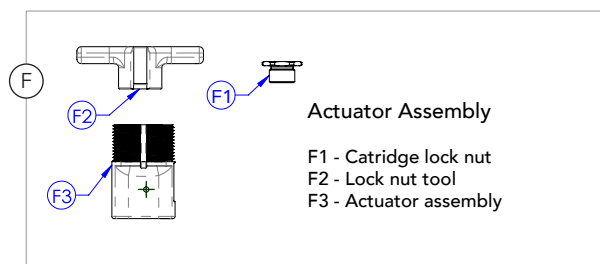
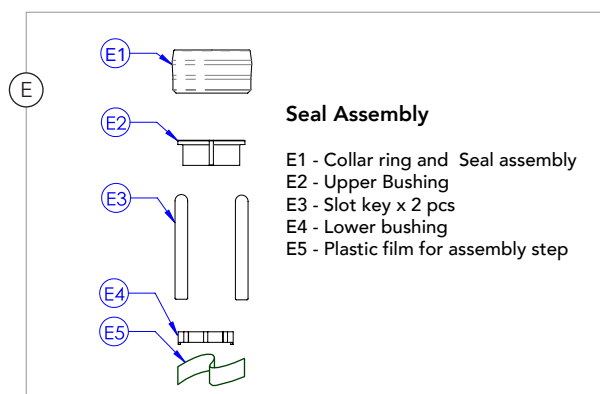
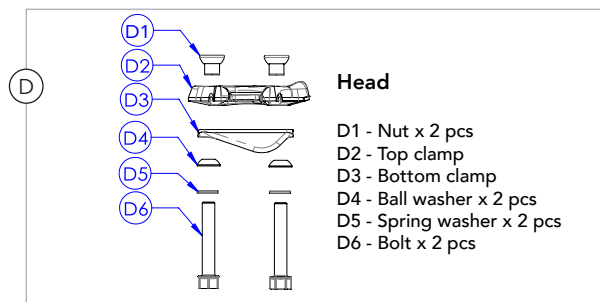
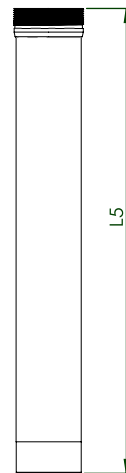
A
Damper Cartridge



B
Upper Tube



C
Lower Tube



Drop	Length (mm)					
	D	L1	L2	L3	L4	L5
100 mm	103	148	215	200	188	195
125 mm	128	183	230	225	213	220
150 mm	153	208	255	250	238	245

WARNING

Only use the combinations of the same Drop specification of cartridge + Upper tube+ Lower Tube.

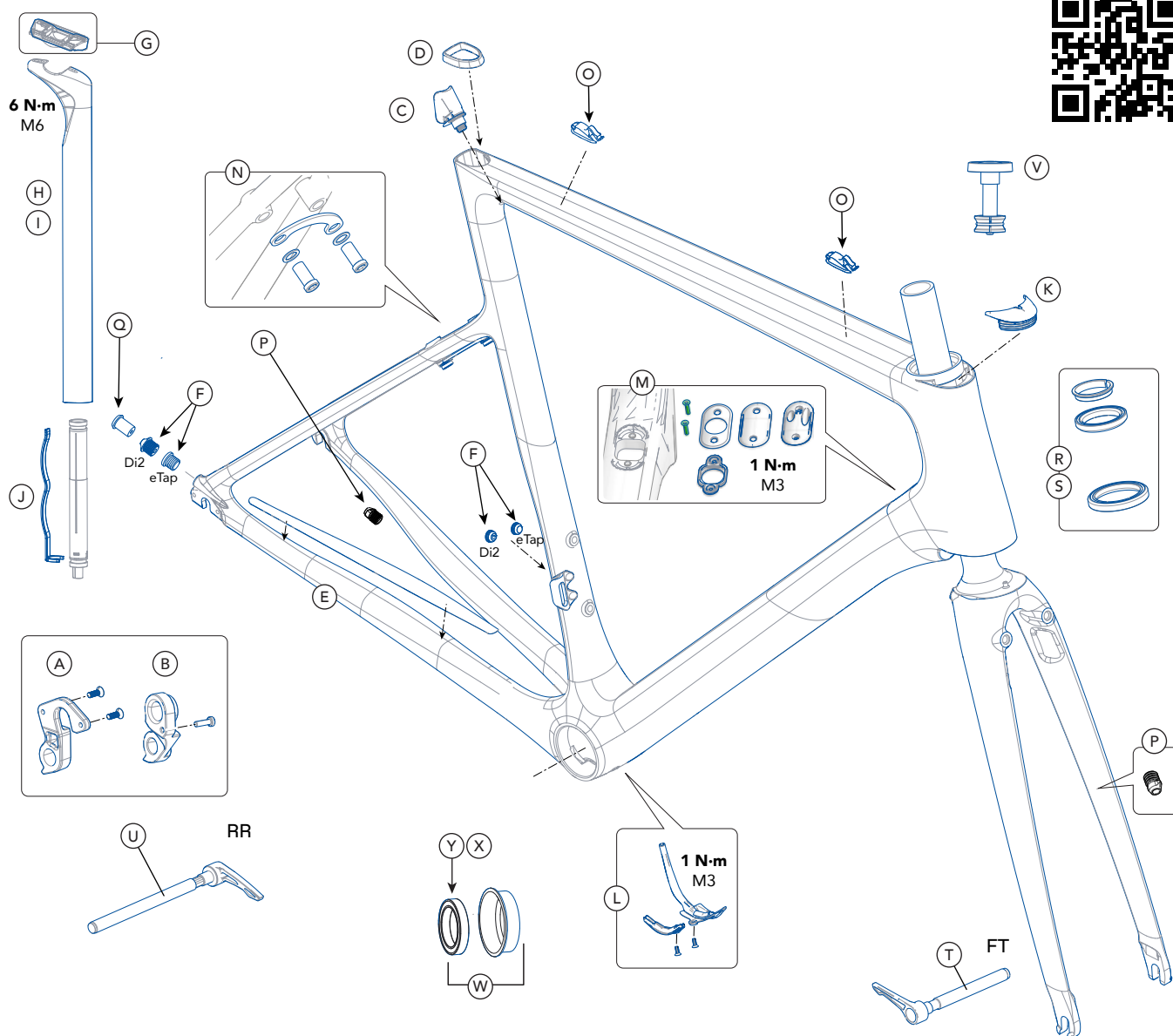
DISC/RIM

SuperSix EVO

Item	Specification
Head Tube (Upper-Lower)	44-54 cm: 1-1/8 In - 1-1/4 In 56-62 cm: 1-1/8 In - 1-3/8 In
Headset	44-54 cm: Integrated, 1-1/8 In - 1-1/4 In 56-62 cm: Integrated, 1-1/8 In - 1-3/8 In
Bottom Bracket: Type/Width	PF30A / 73 mm
Front Derailleur	Brazed-On
Seat Post: Dia./Binder	27 KNØT / Internal Wedge
▲ Min. Seat Post Insert	65 mm
▲ Max. Seat Post Insert	44cm-140 mm, 48 cm - 179 mm, 51-62 cm (measure, see Owner's Manual Supplement)
▲ Tire Size X Max. Width	700c x 30 mm (measured)
Fork Maximum Turning Angle	+/- 55°

Item	Specification
Brakes:	DISC: RR: Flat Mount 140mm/160mm, FT: Flat Mount 140 mm/160mm
	RIM: Direct Mount
Axles: Type/Length	DISC: RR: Speed Release TA Double Lead / 142 X 12 mm/165 mm FT: Speed Release TA Double Lead / 100 X 12 mm / 119 Mm
	RIM: RR: QR / 130 x 10 mm FT: QR / 100 x 9 mm
▲ Intended Use:	ASTM CONDITION 1, High-Performance Road
▲ Max. Weight Limit: Total (Rider+All Equipment)	285 Lbs / 129 Kg

cycling prophet
Service Videos Available Online



DISC/RIM

SuperSix EVO

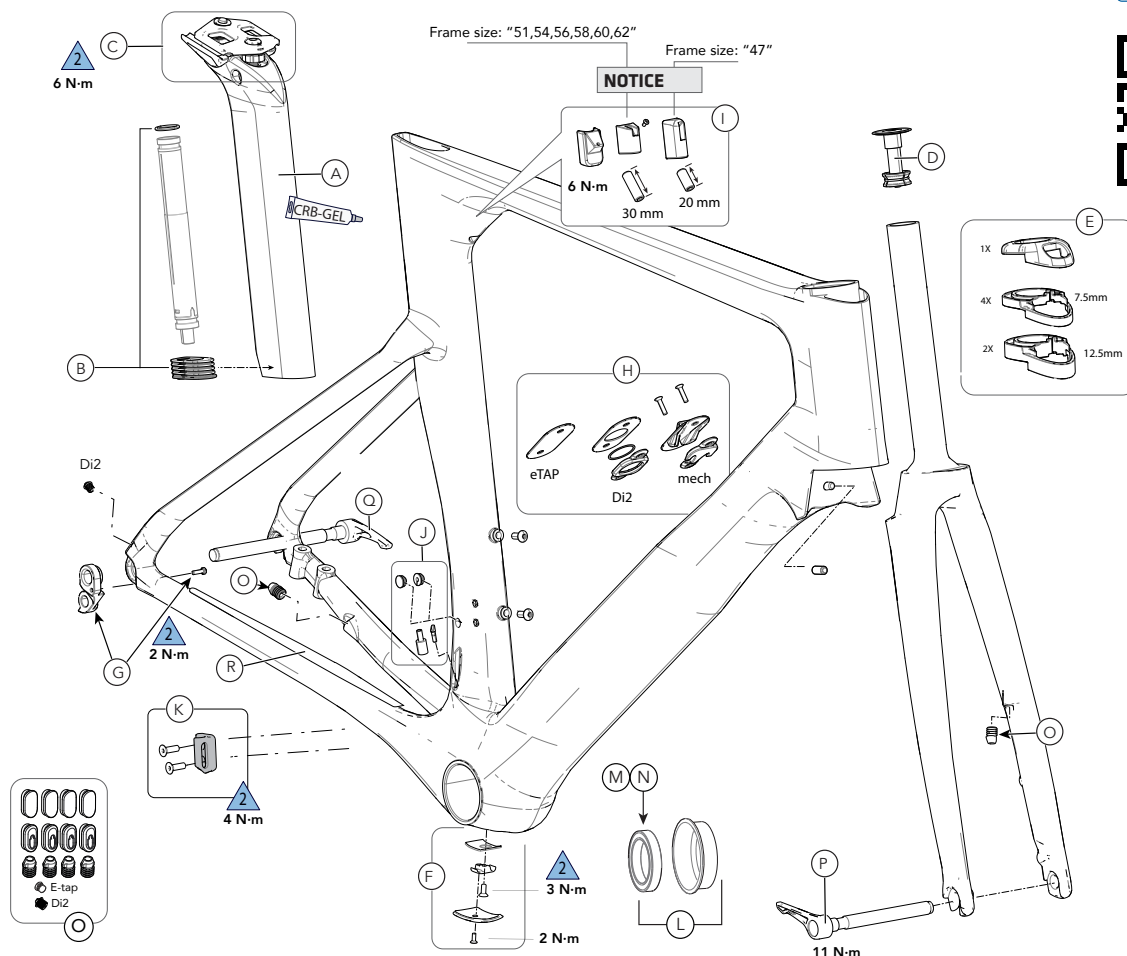
ID	Part Number	Description	DISC	RIM
A	KP255/	DERAILLEUR HANGER QR ST SS 027		✓
B	K33009	DERAILLEUR HANGER TA ST SS 070	✓	
C	K26030	S6 EVO INTERNAL SEAT BINDER	✓	✓
D	K26070	SEATPOST SILICONE GROMMET	✓	✓
--	KF115/	Carbon Seatpost Gel	✓	✓
E	K34079	Chainstay Protection Film	✓	✓
F	K32170	S6 Evo Grommets	✓	✓
G	K26050	KNØT 27 Rail Clamps and Hardware	✓	✓
H	K2601000	HG 27 KNØT CRB SEATPOST 330MM 0 O/SET	✓	✓
	K2601015	HG 27 KNØT CRB SEATPOST 330MM 15 O/SET	✓	✓
I	K2602015	C1 27 KNØT ALLOY SEATPOST 330MM 15 O/SET	✓	✓
J	K32180	KNØT 27 Di2 Battery Mount	✓	✓
L	K32150	S6 EVO BB CABLE GUIDE	✓	✓
K	K32030	S6 EVO Rim Di2 Headtube Wire Guide		✓
M	K32160	S6 EVO/CAAD13 DOWN TUBE CABLE GUIDE	✓	✓
N	K31000	RIM BRAKE BRIDGE		✓
O	K32010	CLIP-IN BRAKE CABLE STOP QTY 2		✓
P	KP449/	RUBBER BRAKE HOUSING GROMMETS	✓	
Q	K32330	DROPOUT CABLE STOP (QTY 1)	✓	✓
R	K35028	1 1/4 CRB HEADSET NO CROWN RACE	✓	✓
S	K35038	1 3/8 CRB HEADSET NO CROWN RACE	✓	✓
T	K83000	SPEED REL TA 100X12 2LEAD P1.0 BOLT 119L	✓	
U	K83010	SPEED REL TA 142X12 2LEAD P1.0 BOLT 165L	✓	
V	K35058	SL Compression Plug with Top Cap	✓	✓
W	KP197/SRM	PF30 Bottom Bracket Cups And Bearings	✓	✓
Y	KB6180/	BB30 Bearing Blue (QTY 2)	✓	✓
X	K22037	BB30 Bearing Blue (QTY 24)	✓	✓

SystemSix

Item	Specification
Head Tube	UPR: 1-1/8 in, LWR: 1-1/4 in
Headset	Integrated, 1-1/8 in - 1-1/4 in
Bottom Bracket: Type/ Width	PF30A / 73 mm
Front Derailleur	Brazed-on, Down-Pull
Seat Post: Dia./Binder	60 KNØT, Internal Wedge
▲ Tire Size x Max. Width	700c x 30 mm (measured)
Front Tire Min. Clearance	6 mm (See Owners Manul Supplement)
▲ Min. Seat Post Insert	65 mm
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Flat Mount / 140 mm / 160 mm FT: Flat Mount / 140 mm / 160 mm

Item	Specification
Rear Brake: Fixing Bolt Length	Shimano 38.0 mm / Converter 38.1 mm
Axles: Type/Length	Speed Release, Double Lead, M12x1.0 , FR: 100 x12 mm, 119 mm Length, RR: 142 x12 mm, 165 mm Length,
▲ Intended Use:	ASTM CONDITION 1, High-Performance Road
▲ Max. Weight Limit: Total (rider+all equipment):	285 lbs / 129 kg

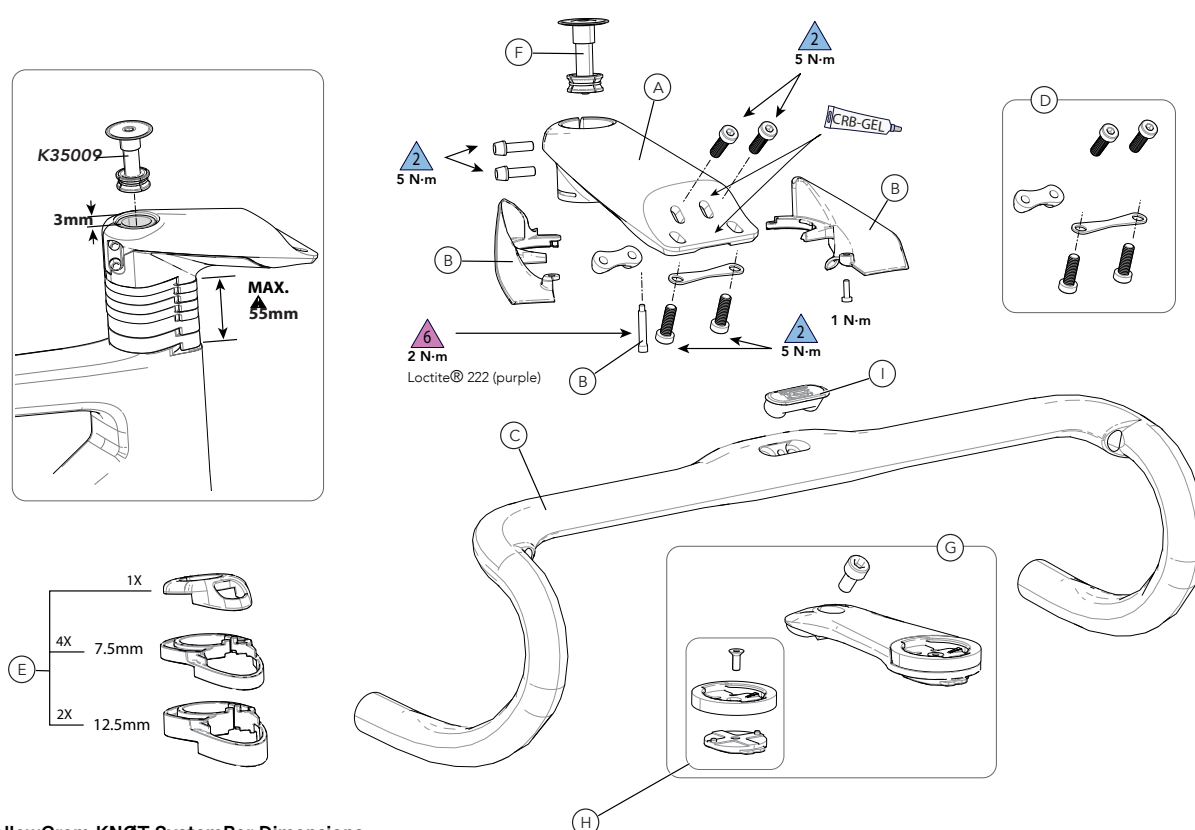
cycling prophet
Service Videos Available Online



ID	Part Number	Description
A	K26129	HG 60 KNØT Crb Seatpost 330mm 35 O/Set
	K26080	HG 60 KNØT Crb Seatpost 330mm 15 O/Set
B	K26149	SystemSix Di2 Battery Mount
C	K34289	KNØT SystemSix Seatpost Clamp HDWE
-	K35039	Headset 1-1/8 to 1 1/4 with Split Ring
D	K35009	SL Compression Plug With Top Cap
E	K28009	SystemSix Stem Spacer Kit
F	K32019	SystemSix Bottom Bracket CBL Guide
G	K33009	Derailleur Hanger TA ST SS 070
H	K32009	SystemSix Downtube CBL Guide

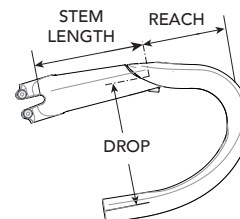
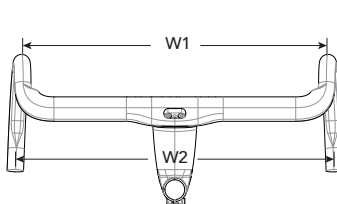
ID	Part Number	Description
I	K26139	KNØT System Aero Seat Binder
J	K34069	SystemSix Front Derailleur Plugs
K	K33019	SystemSix Front Derailleur Mount
L	KP197/SRM	PF30 Bottom Bracket Cups And Bearings
M	KB6180/	BB30 Bearing Blue (QTY 2)
N	K22037	BB30 Bearing Blue (QTY 24)
O	K32048	Shift And Brake Grommets
P	K83000	Speed Rel TA 100x12 2Lead P1.0 Bolt 119L
Q	K83010	Speed Rel TA 142x12 2Lead P1.0 Bolt 165L
R	K34079	SystemSix Chainstay Protector

HollowGram KNØT SystemBar



HollowGram KNØT SystemBar Dimensions

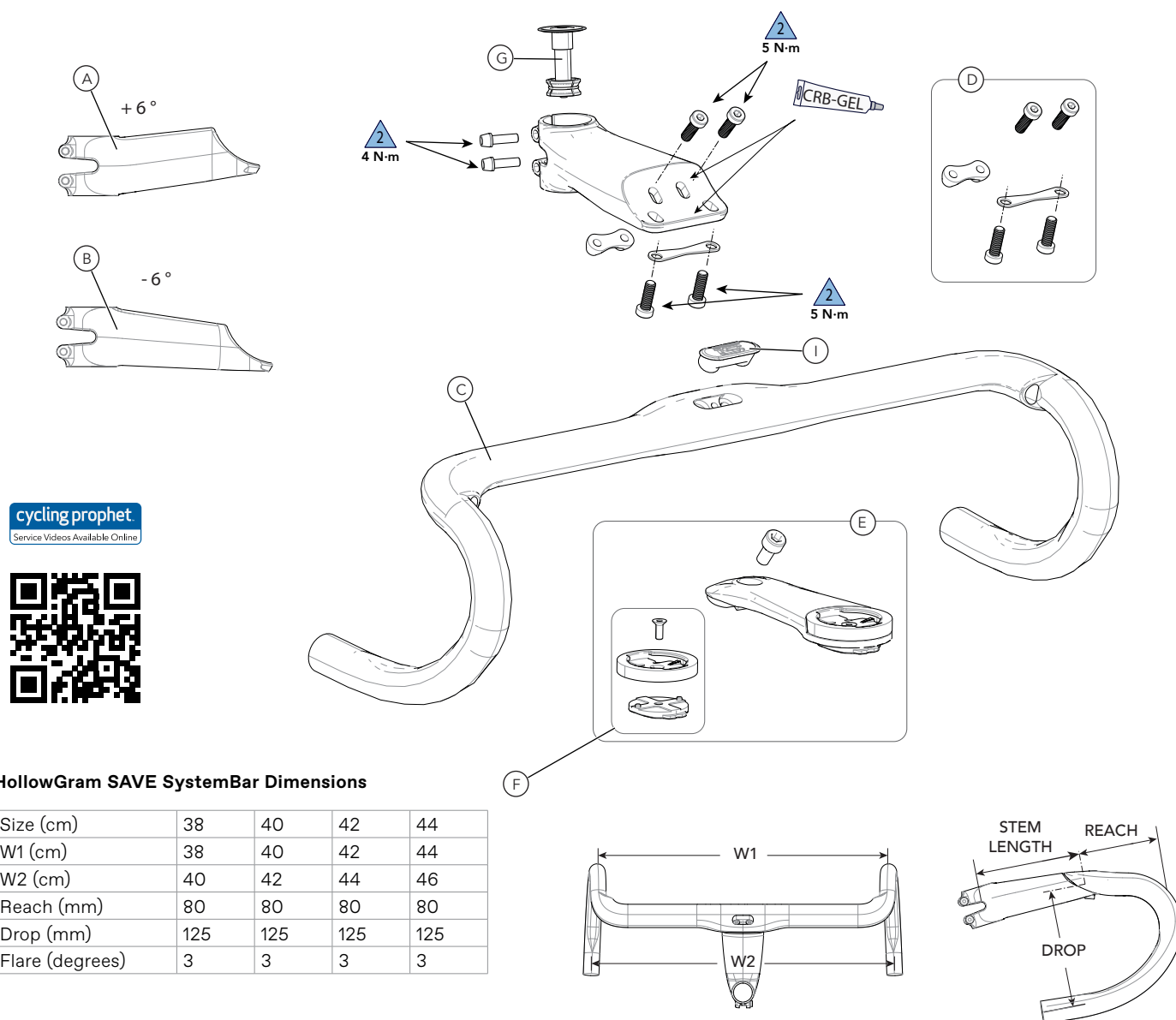
Size (cm)	38	40	42	44
W1 (cm)	36	38	40	42
W2 (cm)	39	41	43	45
Reach (mm)	80	80	80	80
Drop (mm)	125	125	125	125
Flare (degrees)	5	5	5	5



ID	Part Number	Description
A	CP2300U1080	KNØT SystemStem -17 Deg 80 mm
	CP2300U1090	KNØT SystemStem -17 Deg 90 mm
	CP2300U1010	KNØT SystemStem -17 Deg 100 mm
	CP2300U1011	KNØT SystemStem -17 Deg 110 mm
	CP2300U1012	KNØT SystemStem -17 Deg 120 mm
	CP2250U1080	HollowGram KNØT Stem -6 Deg 80mm
	CP2250U1090	HollowGram KNØT Stem -6 Deg 90mm
	CP2250U1010	HollowGram KNØT Stem -6 Deg 100mm
	CP2250U1011	HollowGram KNØT Stem -6 Deg 110mm
	CP2250U1012	HollowGram KNØT Stem -6 Deg 120mm
B	CP2019U1080	HG KNØT SystemSix Stem Cover -17Deg 80mm
	CP2019U1090	HG KNØT SystemSix Stem Cover -17Deg 90mm
	CP2019U1010	HG KNØT SystemSix Stem Cover -17Deg 100mm
	CP2019U1011	HG KNØT SystemSix Stem Cover -17Deg 110mm
	CP2019U1012	HG KNØT SystemSix Stem Cover -17Deg 120mm
	K2803080	HG KNØT SuperSix Stem Cover -6Deg 80mm
	K2803090	HG KNØT SuperSix Stem Cover -6Deg 90mm
	K2803000	HG KNØT SuperSix Stem Cover -6Deg 100mm
	K2803010	HG KNØT SuperSix Stem Cover -6Deg 110mm
	K2803020	HG KNØT SuperSix Stem Cover -6Deg 120mm
	K2804080	HG KNØT SuperSix Stem Cover -17Deg 80mm
	K2804090	HG KNØT SuperSix Stem Cover -17Deg 90mm
	K2804000	HG KNØT SuperSix Stem Cover -17Deg 100mm
	K2804010	HG KNØT SuperSix Stem Cover -17Deg 110mm
	K2804020	HG KNØT SuperSix Stem Cover -17Deg 120mm

ID	Part Number	Description
C	CP2129U1038	KNØT SystemBar BK 380 mm
	CP2129U1040	KNØT SystemBar BK 400 mm
	CP2129U1042	KNØT SystemBar BK 420 mm
	CP2129U1044	KNØT SystemBar BK 440 mm
D	K28018	SystemBar Mounting Hardware
E	K28009	SystemSix Stem Spacer Kit
	K28000	SuperSix Stem Spacers
F	K35009	SL Compression Plug With Top Cap
G	K12018	SystemBar Computer and Light Mount
H	K12008	SystemBar Computer and Light Insert
I	K28039	HG KNØT/SAVE Handlebar Plug

HollowGram SAVE SystemBar



ID	Part Number	Description
A	CP2100U1080	HOLLOWGRAM SAVE STEM +6 DEG 80MM
	CP2100U1090	HOLLOWGRAM SAVE STEM +6 DEG 90MM
	CP2100U1010	HOLLOWGRAM SAVE STEM +6 DEG 100MM
	CP2100U1011	HOLLOWGRAM SAVE STEM +6 DEG 110MM
	CP2000U1080	HOLLOWGRAM SAVE STEM -6 DEG 80MM
B	CP2000U1090	HOLLOWGRAM SAVE STEM -6 DEG 90MM
	CP2000U1010	HOLLOWGRAM SAVE STEM -6 DEG 100MM
	CP2000U1011	HOLLOWGRAM SAVE STEM -6 DEG 110MM
	CP2000U1012	HOLLOWGRAM SAVE STEM -6 DEG 120MM
	CP2000U1030	HOLLOWGRAM SAVE STEM -6 DEG 130MM

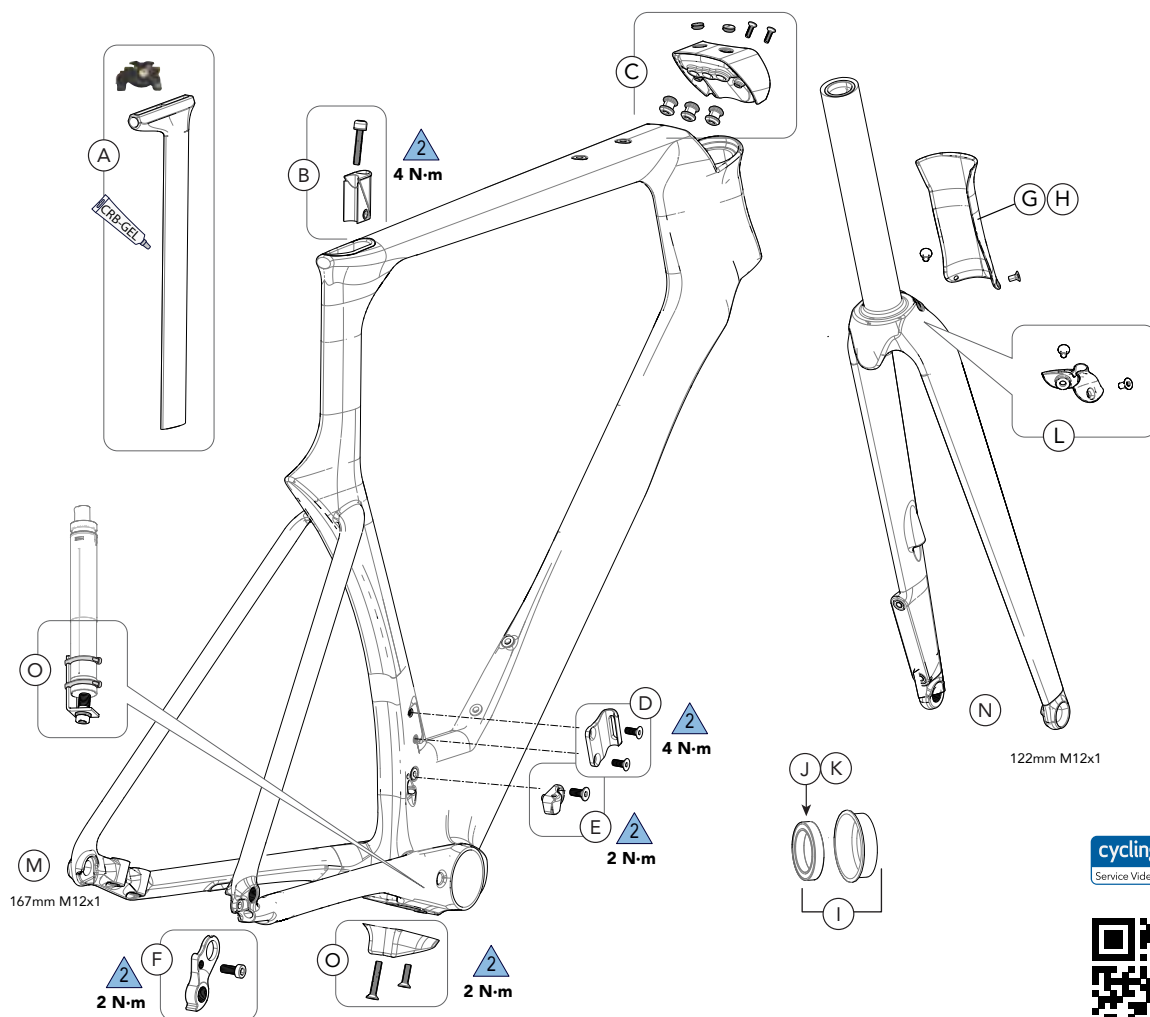
ID	Part Number	Description
C	CP2600U1036	HOLLOWGRAM SAVE SYSTEMBAR 36CM
	CP2600U1038	HOLLOWGRAM SAVE SYSTEMBAR 38CM
	CP2600U1040	HOLLOWGRAM SAVE SYSTEMBAR 40CM
	CP2600U1042	HOLLOWGRAM SAVE SYSTEMBAR 42CM
	CP2600U1044	HOLLOWGRAM SAVE SYSTEMBAR 44CM
D	K28018	SystemBar Mounting Hardware
F	K12008	SystemBar Computer and Light Insert
E	K12018	SystemBar Computer and Light Mount
G	K35009	SL Compression Plug With Top Cap
I	K28039	HG KNØT/SAVE Stem Plug

This page has been left blank intentionally

SuperSlice

Item	Specification
Head Tube	UPR: 1-1/8 in, LWR: 1-1/8 in
Bottom Bracket: Type/ Width	PF30A / 73 mm
Front Derailleur	Brazed-on, Down-Swing
Seat Post: Dia./Binder	SuperSlice Seatpost / Internal Wedge
▲ Min. Seat Post Insert	100 mm
▲ Tire Size x Max. Width	700c x 25 mm (measured)
Front Tire Min. Clearance	6 mm (See Owner's Supplement)
Brakes: Mount Type / Min/Max Rotor Dia. (mm)	RR: Flat Mount / 140 mm/160m FT: Flat Mount / 140/ 160 mm

Item	Specification
Axles: Type/Length	FT: Bolt Type, 12 mm TA, 122 mm M12*P1.0, Thread Length: 11 mm, Cone Shape Head. RR: Bolt Type 12 mm TA, 167 mm, M12*P1.0, Thread Length: 11 mm, Cone Shape Head.
▲ Intended Use:	ASTM CONDITION 1, High-Performance Road
▲ Max. Weight Limit: Total (rider+all equipment):	285 lbs / 129 kg



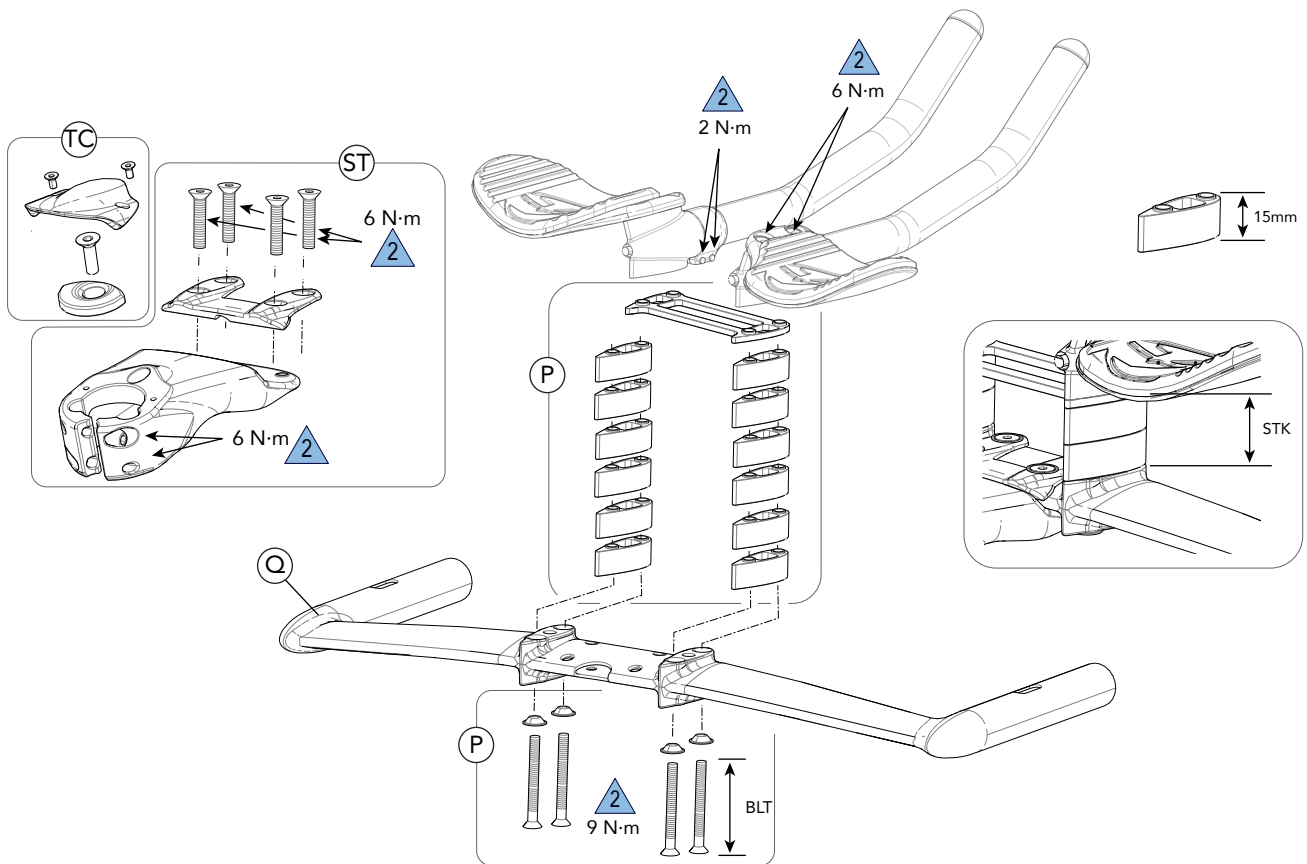
cycling prophet
Service Videos Available Online



ID	Part Number	Description
A	CK0037U00OS	SuperSlice Seatpost
B	CK0077U00OS	SuperSlice Seatpost Binder
C	CK3137U00OS	SuperSlice Top Tube Cable Guide
D	CK3027U00OS	SuperSlice Front Derailleur Mount
E	CK3087U00OS	SuperSlice Front Derailleur Cable Stop
F	CK3057U00OS	Derailleur Hanger TA ST SS 014
I	KP197/SRM	PF30 Bottom Bracket Cups & Bearings
J	K22037	BB30 Bearing Blue (QTY 24)
K	KB6180/	BB30 Bearing Blue (QTY 2)
L	K34059	SuperSlice Headtube Cap.
M	CK8027U00OS	Rear Thru Axle SuperSlice
N	CK8067U00OS	Front Thru Axle SuperSlice

ID	Part Number	Description
O	CK3097U00OS	SuperSlice Bottom Bracket Cover
G	CK3127U1050	SuperSlice Headtube Shroud BLK 50
	CK3127U1052	SuperSlice Headtube Shroud BLK 52
	CK3127U1054	SuperSlice Headtube Shroud BLK 54
	CK3127U1056	SuperSlice Headtube Shroud BLK 56
	CK3127U1058	SuperSlice Headtube Shroud BLK 58
	CK3127U8050	SuperSlice Headtube Shroud REP 50
H	CK3127U8052	SuperSlice Headtube Shroud REP 52
	CK3127U8054	SuperSlice Headtube Shroud REP 54
	CK3127U8056	SuperSlice Headtube Shroud REP 56
	CK3127U8058	SuperSlice Headtube Shroud REP 58

SuperSlice



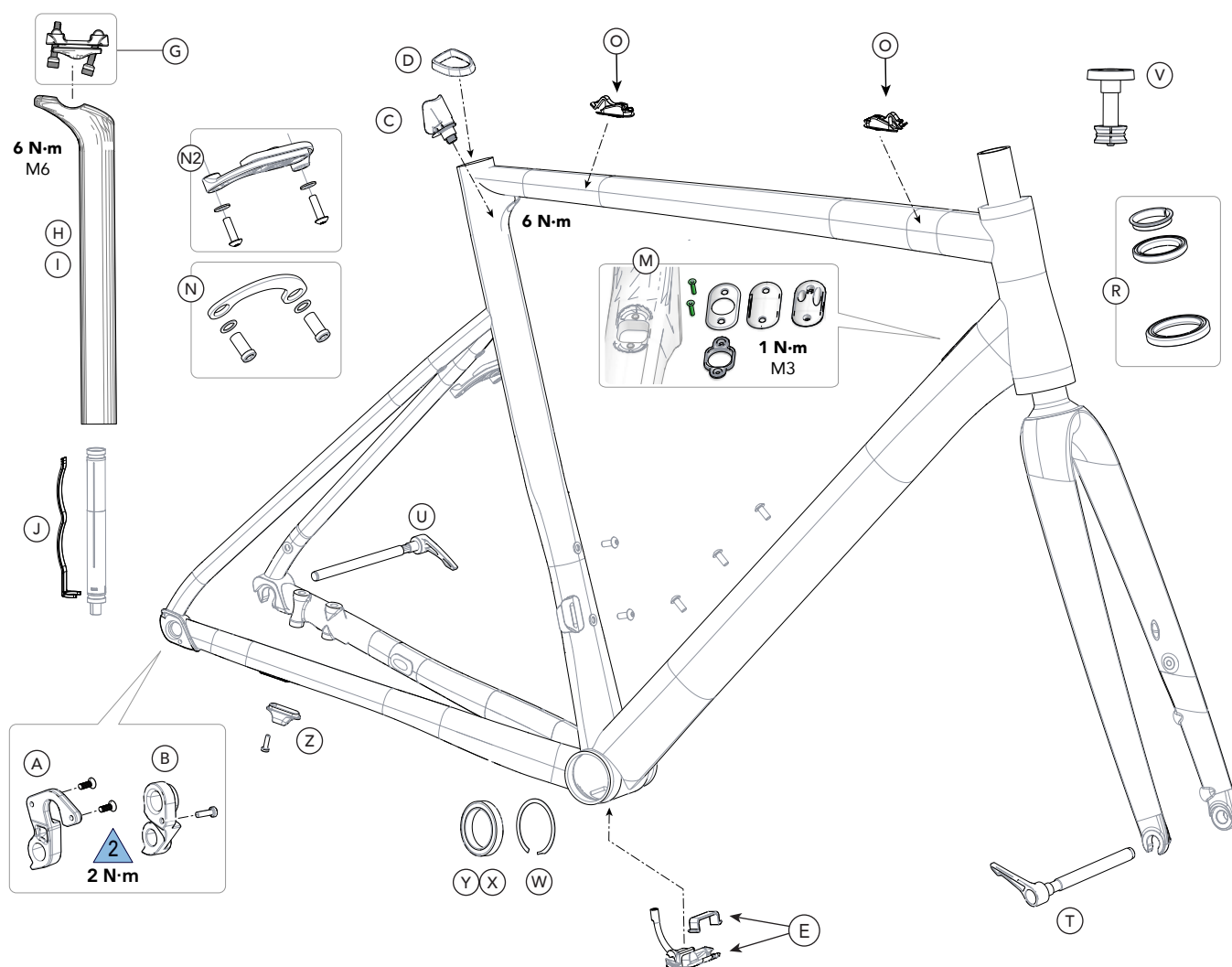
ID	Part Number	Description
TC	KP476/	SuperSlice Preload Cap
ST	CK0097U0060	SuperSlice Stem 60mm
	CK0097U0090	SuperSlice Stem 90mm
	CK0097U0020	SuperSlice Stem 120mm
P	CK0107U000S	SuperSlice Stack Spacers
Q	CK0117U000S	SuperSlice Base Bars - 380mm

DISC/RIM

CAAD 13

Item	Specification
Headset :	Integrated, UPR 1-1/8 In, LWR 1-1/4 In
Bottom Bracket: Type/Width	BB30A / 73 MM
Front Derailleur	Braze-On
Seat Post: Dia./Binder	27 KNØT / Internal Wedge
▲ Min. Seat Post Insert	65 mm
▲ Max. Seat Post Insert	44 cm-140 mm, 48 cm - 179 mm, 51-62 cm (measure, See Owner's Manual Supplement)
▲ Tire Size X Max. Width (measured)	Disc Brakes: 700c X 30 mm
	Rim Brakes: 700c X 28 mm
Brakes: Mount Type / Min/Max Rotor Dia. (Mm)	Disc: Flat Mount 140 mm, 160 mm Rim: Direct Mount

Item	Specification
Axes: Type / Hub Spacing / Length (mm)	Disc: FT: Speed Release TA Double Lead / 100 X 12/119, RR: Speed Re- lease TA Double Lead / 142 X 12 / 165
	Rim: FT: Quick Release/ 100 X 9 RR: Quick Release 130 X 10
▲ Intended Use:	ASTM CONDITION 1, High-Performance Road
▲ Max. Weight Limit: Total (Rider+All Equipment)	285 Lbs / 129 Kg



DISC/RIM

CAAD 13

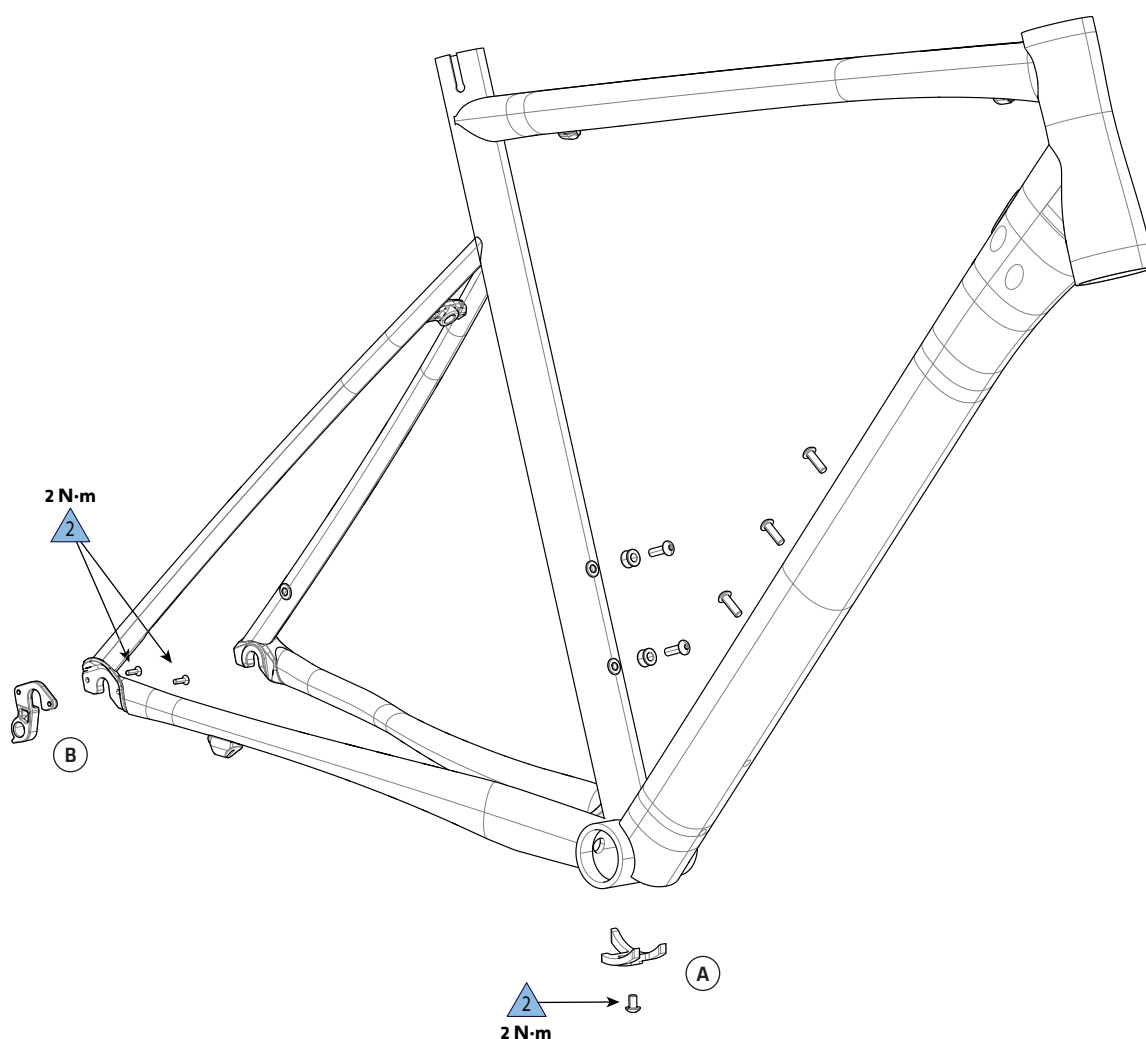
ID	Part Number	Description	DISC	RIM
A	KP255/	DERAILLEUR HANGER QR ST SS 027		✓
B	K33009	DERAILLEUR HANGER TA ST SS 070	✓	
C	K26060	CAAD13 INTERNAL SEAT BINDER	✓	✓
D	K26070	SEATPOST SILICONE GROMMET	✓	✓
--	KF115/	Carbon Seatpost Gel	✓	✓
G	K26050	KNØT 27 Rail Clamps and Hardware	✓	✓
H	K2601000	HG 27 KNØT CRB SEATPOST 330MM 0 O/SET	✓	✓
	K2601015	HG 27 KNØT CRB SEATPOST 330MM 15 O/SET	✓	✓
I	K2602015	C1 27 KNØT ALLOY SEATPOST 330MM 15 O/SET	✓	✓
J	K32180	KNØT 27 Di2 Battery Mount	✓	✓
M	K32160	S6 EVO/CAAD13 DOWN TUBE CABLE GUIDE	✓	✓
N	K31000	RIM BRAKE BRIDGE		✓
N2	CK1168U100S	ADJUSTABLE FENDER BRIDGE BLK	✓	
O	K32010	CLIP-IN BRAKE CABLE STOP QTY 2		✓
R	K35098	HEADSET 1 1/8 TO 1 1/4 33MM OD TC	✓	✓
T	K83000	SPEED RELEASE TA 100X12 2LEAD P1.0 119MM	✓	
U	K83010	SPEED RELEASE TA 142X12 2LEAD P1.0 165MM	✓	
V	K35058	SL Compression Plug with Top Cap	✓	✓
E	K32190	CAAD13 BB Cable Guide	✓	✓
W	QC616/	BB Si Circlips (QTY 2)	✓	✓
Y	KB6180/	BB30 Bearing Blue (QTY 2)	✓	✓
X	K22037	BB30 Bearing Blue (QTY 24)	✓	✓
Z	K32140	CS Cable Stop	✓	✓

CAAD Optimo

2021

Item	Specification
Head Tube	UPR: 1-1/8in. LWR 1-1/4in.
Headset	FSA NO.44E Integrated 1-1/8in.-1-1/4in
Bottom Bracket: Type/Width	BSA/68mm
Front Derailleur	31.8mm Clamp, Down-Swing
Seat Post: Dia./Binder	27.2mm/31.8mm
▲ Min. Seat Post Insert	100mm
▲ Tire Size x Max. Tire Width	700c x 28mm (measured)
Brakes: Mount Type / Min./Max. Rotor Dia.	FR: Center Mount Rim Brake RR: Center Mount Rim Brake

Item	Specification
Axles: Type/Length	RR: QR/130mm x 9mm FT: QR/100mm x 9mm"
Fork Offset	48mm
▲ Intended Use	ASTM CONDITION 1, High-Performance Road
▲ Max. Weight Limit: Total (Rider+All Equipment)	285lbs/129kg



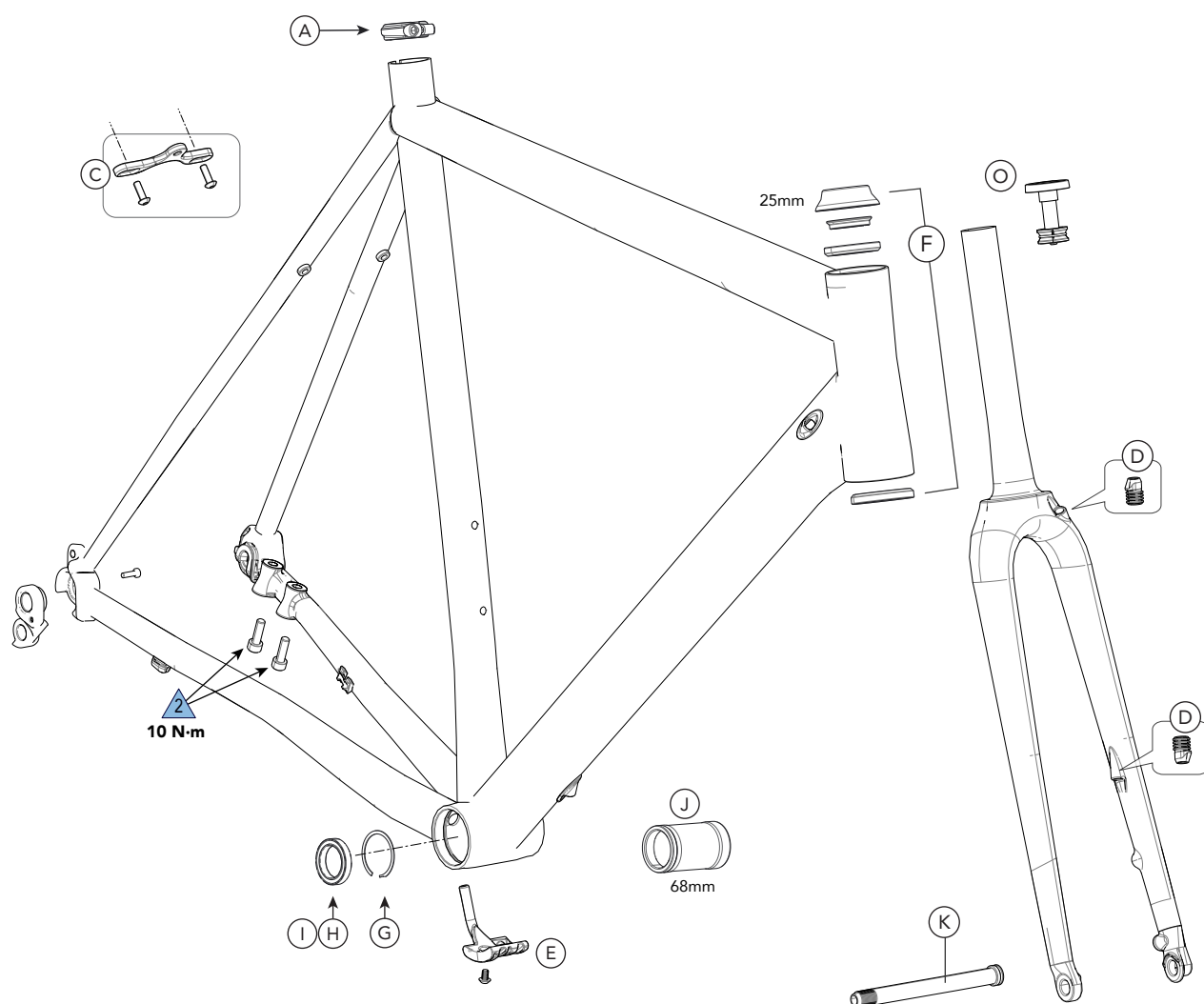
ID	Part Number	Description
A	Shimano P/N Y66Y98500	SM-SP17-M Cable Guide
B	KP255/	Derailleur Hanger QR ST SS 027
C		
D		

CAADX

2021

Item	Specification
Head Tube	UPR: 1 -1/8 in, LWR: 1 -1/4 in
Bottom Bracket: Type/ Width	BB30 / 68 mm
Front Derailleur	31.8 mm Clamp, Down-Swing
Seat Post: Dia./Binder	27.2 mm / 30.9 mm
▲ Min. Seat Post Insert	100 mm
▲ Tire Size x Max. Width	700c x 35 mm (measured)
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Flat Mount / 140 mm / 160 mm FT: Flat Mount / 140 mm / 160 mm

Item	Specification
Axles: Type/Length	RR: QR / 135 x 9 mm FT: Maxle TA / 100 x 12 mm
▲ Intended Use	ASTM CONDITION 2, General Purpose Riding, Cyclocross
▲ Max. Weight Limit: Total (Rider+All Equipment):	330 lbs / 150 kg



ID	Part Number	Description
A	KP159/BLK	Seat Binder Road 30.9 BLK
B	KP255/	Derailleur Hanger QR ST SS 027
C	CK3317U000S	Seatstay Fender Mount
D	KP449/	Rubber Brake Housing Grommets
E	CK3377U000S	CAADX/Optimo BB Cable Guide
F	CK3557U000S	CAADX/Optimo Headset
G	QC616/	BB Si Circlips (QTY 2)
H	KB6180/	BB30 Bearing Blue (QTY 2)

ID	Part Number	Description
I	K22037	BB30 Bearing Blue (QTY 24)
J	KP009/	SiBB To 68 mm Adapter
K	K83038	Ratchet Lever Maxle 100x12 125 mm
O	K35058	SL Compression Plug With 5 mm Cap

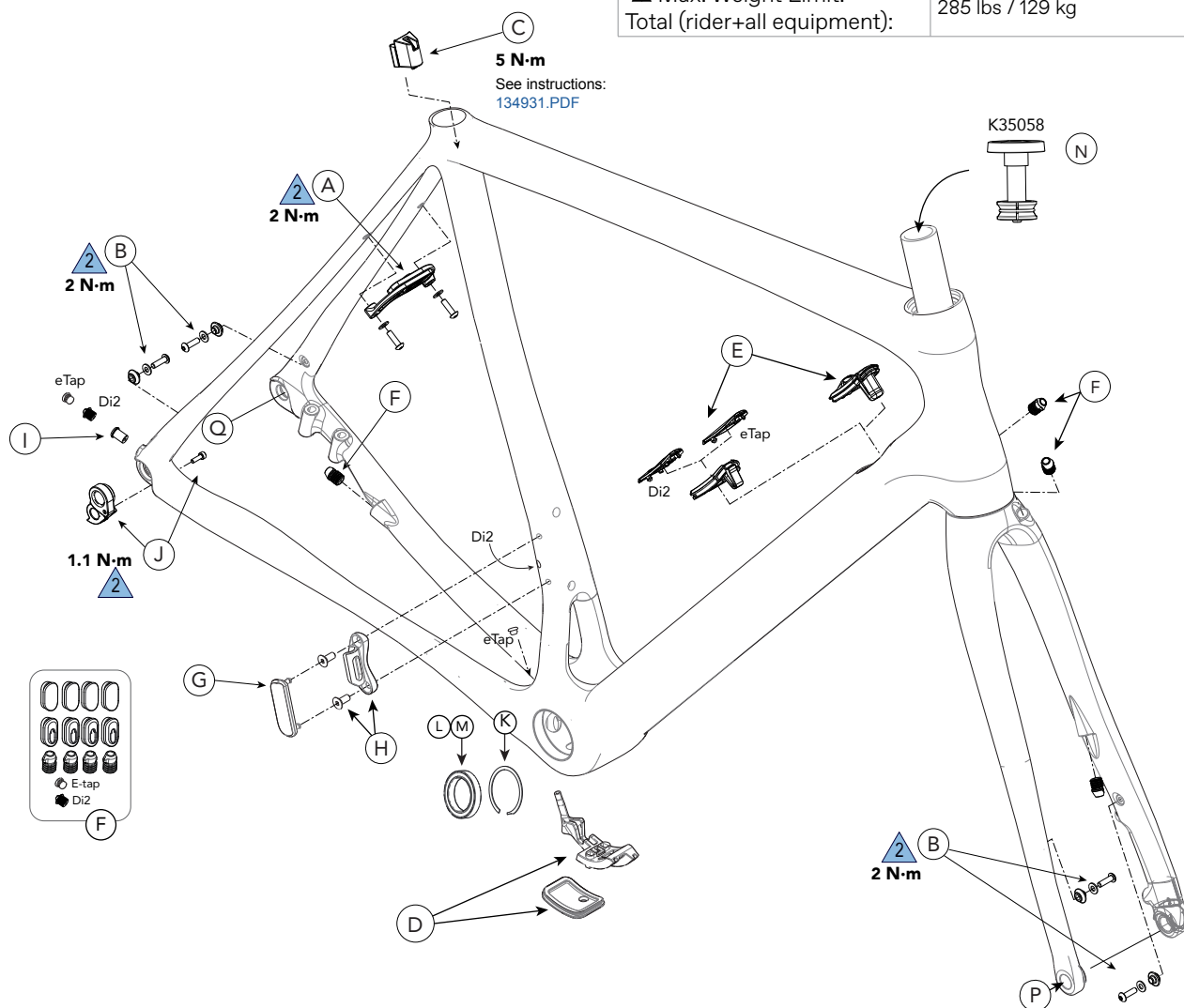
CARBON/DISC

Synapse Carbon

2018 - 2021

Item	Specification
Head Tube	See table next page.
Bottom Bracket: Type/ Width	BB30A / 73 mm
Front Derailleur	Brazed-on
Seat Post: Dia./Binder	25.4 mm / Internal Wedge
▲ Min. Seat Post Insert	65 mm
▲ Tire Size x Max. Width	700c x 32 mm (measured)

Item	Specification
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Flat Mount / 140 mm / 160 mm FT: Flat Mount / 140 mm / 160 mm
Axles: Type/Length	RR: Syntace TA / 142 × 12 mm, FT: Maxle TA / 100 × 12 mm
▲ Intended Use:	ASTM CONDITION 1, High-Performance Road
▲ Max. Weight Limit: Total (rider+all equipment):	285 lbs / 129 kg



ID	Part Number	Description
A	CK1168U10OS	Adjustable Fender Bridge BLK
B	K11018	Road Fender Mount Hardware
C	KP448/	Internal Seat Post Wedge 25.4
D	CK3588U00OS	BB Cable Guide
E	CK3568U00OS	Synapse CRB DT Cable Guide
F	K32048	Shift And Brake Grommets
G	CK3578U00OS	Synapse CRB FD 1X Cover
H	CK3598U00OS	Synapse CRB FD Hanger
I	K32330	Dropout Cable Stop Mech (QTY 1)
J	K33049	Derailleur Hanger TA ST SS 073
K	QC616/	BB Si Circlips (QTY 2)

ID	Part Number	Description
L	KB6180/	BB30 Bearing Blue (QTY 2)
M	K22037	BB30 Bearing Blue (QTY 24)
N	K35058	SL Compression Plug With 5 mm Cap
P	K83038	Ratchet Lever Maxle 100x12 125 mm
	K83048	Adjustable Lever Maxle 100x12 125 mm
Q	K83058	Ratchet Lever Syntace 142x12 165 mm
	K83068	Adjustable Lever Syntace 142x12 165 mm
--	K35018	1-1/8 CRB Headset No Crown Race
--	K35028	1 1/4 CRB Headset No Crown Race
--	K35038	1 3/8 CRB Headset No Crown Race
--	KF115/	Carbon Seatpost Gel

Headset Bearings - (size specific)

Frame Size (cm)	Cannondale Part Number (contains)		Fork Offset (mm)	Crown Dia. (mm)
	Upper Bearing	Lower Bearing		
56, 58, 61	1-1/8 in, ACB 45/45, 41.8 mm O.D., FSA - MR121 *Included in K35038, K35028, and K35018.	1 - 3/8 in, ACB 36X45, 48.9 mm O.D. FSA - MR031 Cannondale - K35038	45	54
51, 54		1-1/4 in, ACB 45/45, 46.8 mm OD, FSA - MR082 Cannondale - K35028	55	52
44, 48		1-1/8 in, ACB 45/45, 41.8 mm O.D., FSA MR121 / Cannondale - K35018	60	50

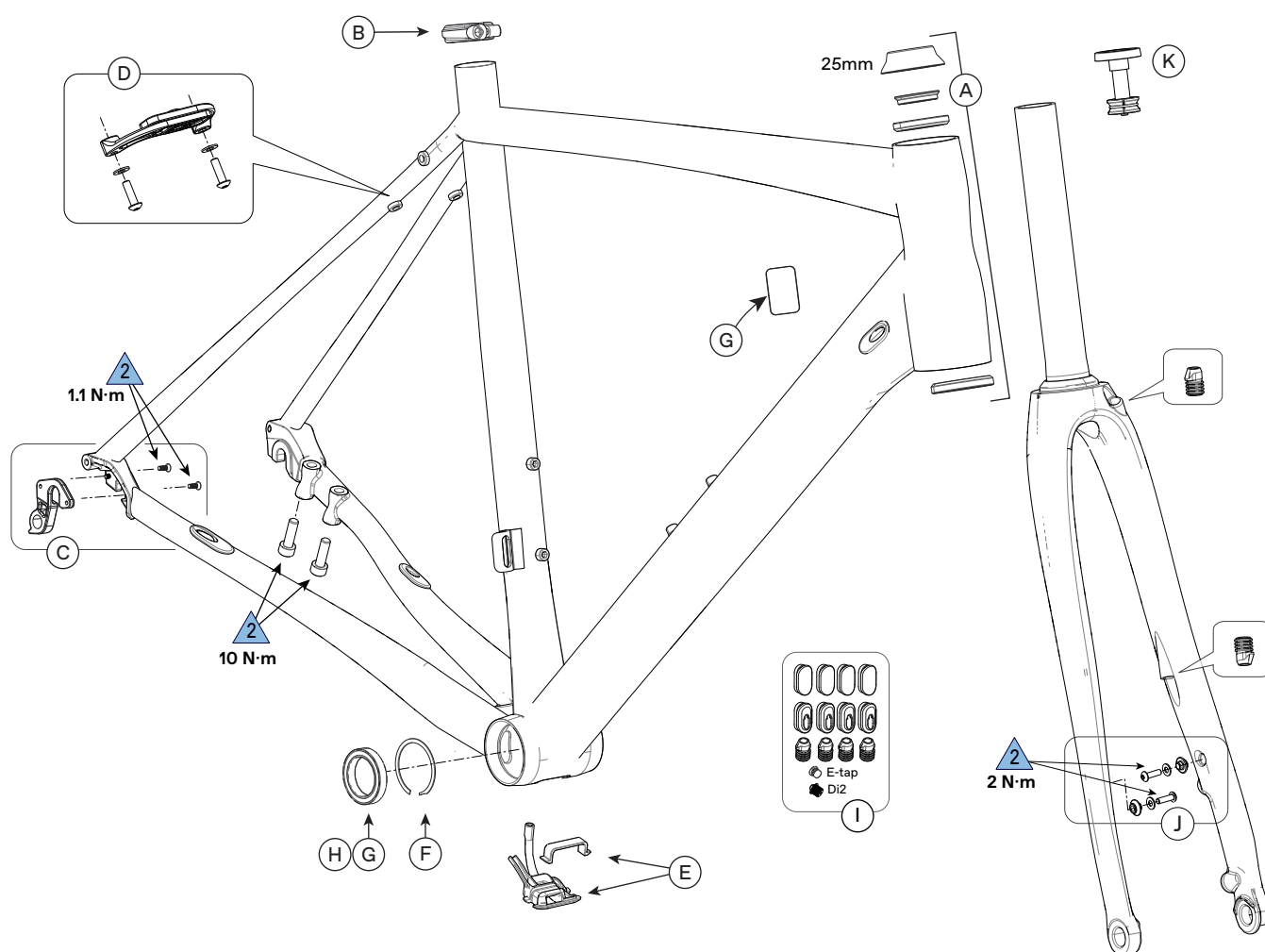
ALLOY / DISC

Synapse Alloy

2018 - 2021

Item	Specification
Head Tube	UPR: 1 -1/8 in, LWR: 1-1/4 in
Bottom Bracket: Type/ Width	BB30 or BSA (frame dependent) / 68 mm
Front Derailleur	Brazed-on, Down-Swing
Seat Post: Dia./Binder	25.4 mm / 28.6 mm
▲ Min. Seat Post Insert	90 mm
▲ Tire Size x Max. Width	700c x 32 mm (measured)

Item	Specification
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Flat Mount / 140 mm / 160 mm FT: Flat Mount / 140 mm / 160 mm
Axles: Type/Length	RR: QR / 135×9mm FT: Maxle TA / 100×12mm 125mm Overall Length
▲ Intended Use:	ASTM CONDITION 1, High-Performance Road
▲ Max. Weight Limit: Total (rider+all equipment):	285 lbs / 129 kg



ID	Part Number	Description
A	K35028	1 1/4 CRB Headset No Crown Race
B	K26159	Seatpost Bolt Type 28.6 mm
C	KP255/	Derailleur Hanger QR ST SS 027
D	CK1168U10OS	Adjustable Fender Bridge BLK
E	K32108	BB Cable Guide w/ Alloy Support
F	QC616/	BB Si Circlips (QTY 2)
G	K22037	BB30 Bearing Blue (QTY 24)

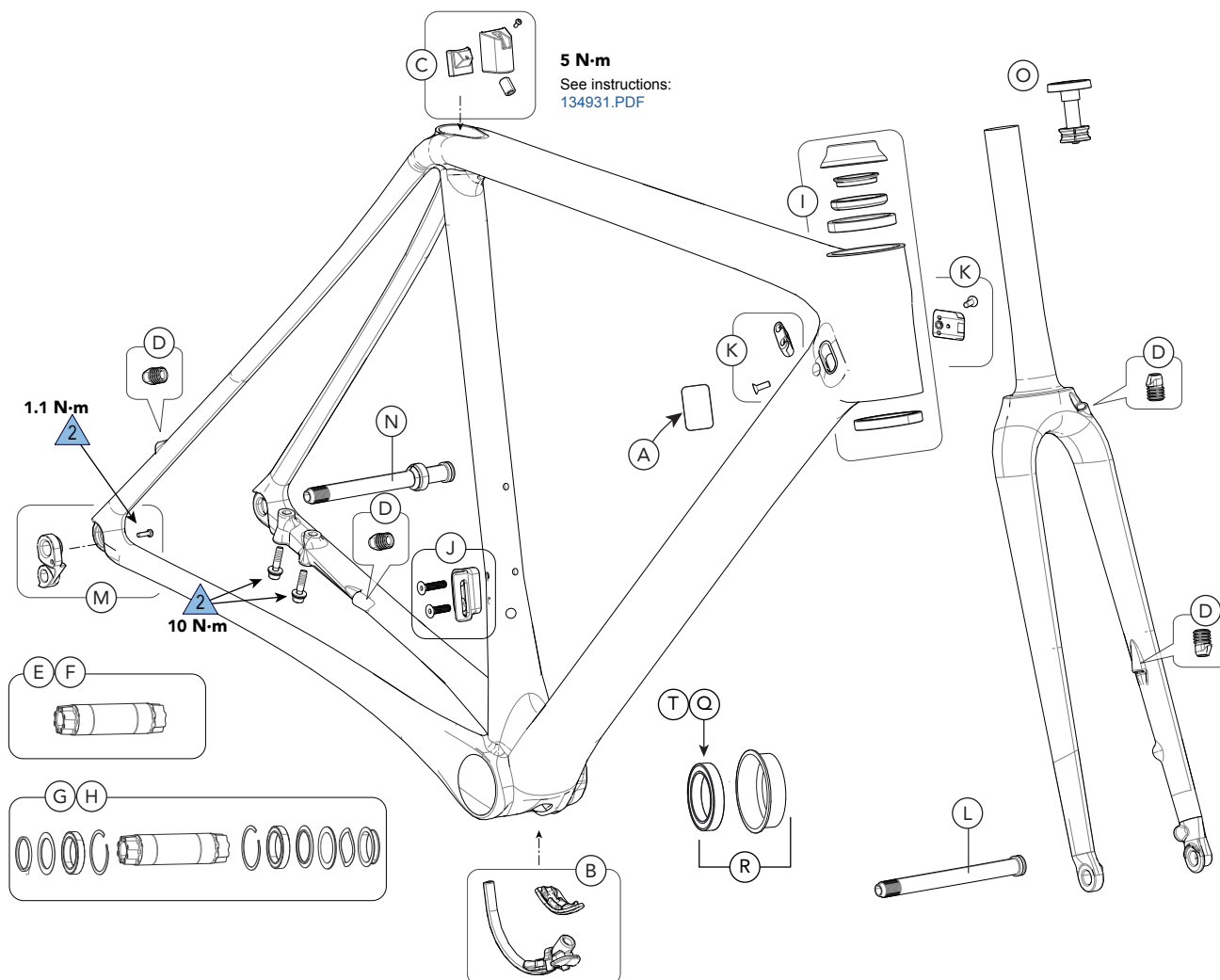
ID	Part Number	Description
H	KB6180/	BB30 Bearing Blue (QTY 2)
I	K32048	Shift And Brake Grommets
J	K11018	Road Fender Mount Hardware
K	K35058	SL Compression Plug With 5 mm Cap
--	KF115/	Carbon Seatpost Gel
L	K83038	Ratchet Lever Maxle 100×12 125mm

SuperX

2017 - 2021

Item	Specification
Head Tube	UPR: 1 -1/2 in, LWR: 1 -1/2 in
Front Derailleur	Brazed-on
Seat Post: Dia./Binder	24.4 mm / Internal Wedge
▲ Min. Seat Post Insert	90 mm
▲ Tire Size x Max. Width	700c x 40 mm
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Flat mount / 140 mm / 160 mm FT: Flat mount / 140 mm / 160 mm
Bottom Bracket: Type/Width	PF30A/83 mm

Item	Specification
Axles: Type/Length	RR: Syntace TA / 142 × 12 mm FT: Maxle TA / 100 × 12 mm
Ai Offset:	Rear Wheel: 6 mm Offset to NDS
▲ Intended Use	ASTM CONDITION 2, General Purpose, Cyclocross
▲ Max. Weight Limit: Total (Rider+All Equipment):	330 lbs / 150 kg



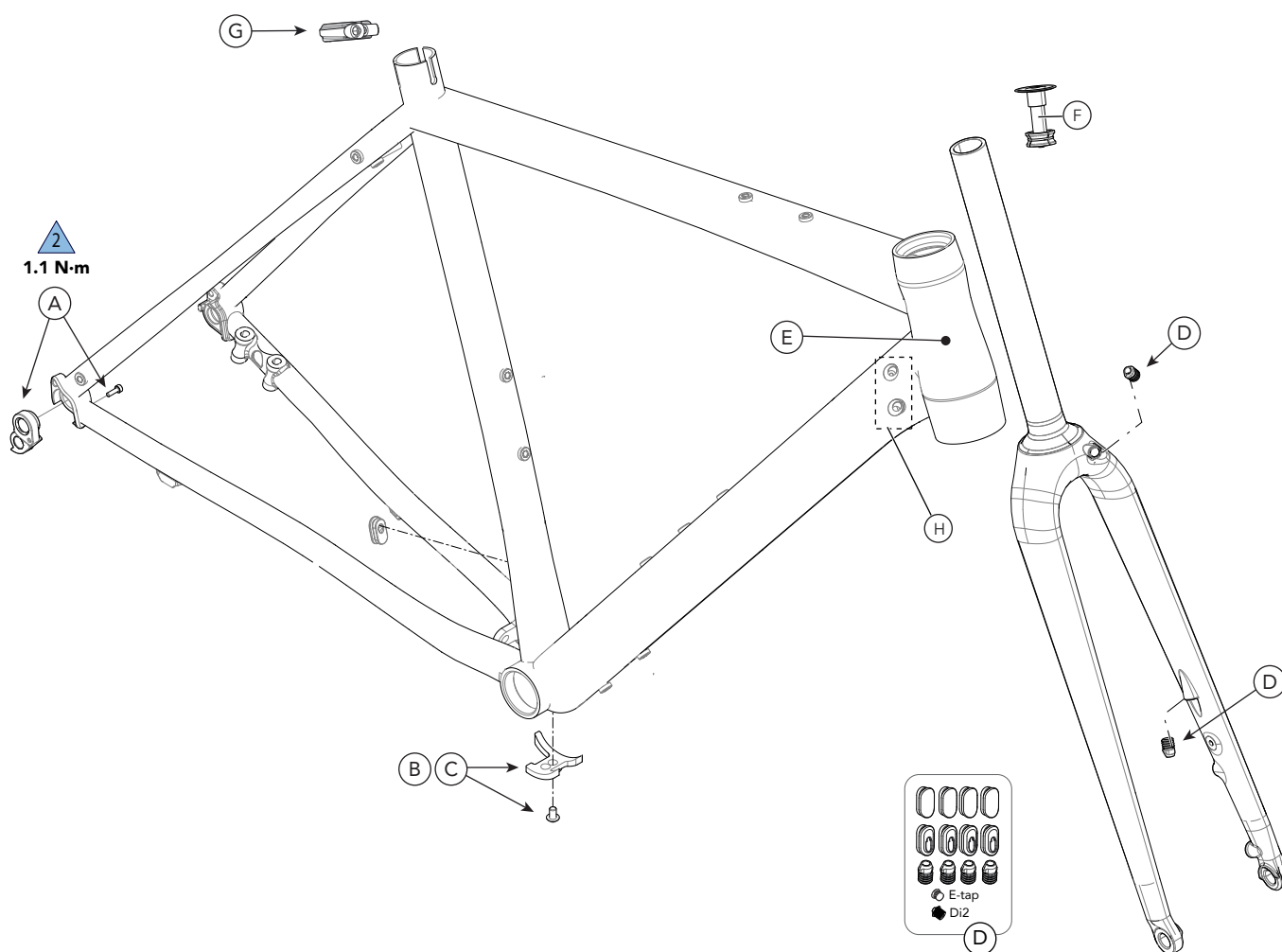
ID	Part Number	Description
A	KF103/	Scuffguard (QTY 8)
B	KP447/	BB Cable Guides 2 Pieces
C	KP448/	Internal Seat Post Wedge 25 4
D	KP449/	Rubber Brake Housing Grommets
E	KP450/	Hollowgram Spindle 119 mm Ai (1X)
F	KP451/	Hollowgram Spindle 125 mm Ai (2X)
G	KP452/	Complete BB 119 Ai
H	KP453/	Complete BB 125 Ai
I	KP454/	Headset 1 1/8 to 1.5
J	K33090	SuperX FD Mount V 1.2
K	KP456/	Modular Cable Guides Headtube

ID	Part Number	Description
L	KP457/	Stealth Maxle 100×12 125 mm
M	K33049	Derailleur Hanger TA ST SS 073
N	KP190/	Axle Syntace X12 142×12 mm
O	K35058	SL Compression Plug With 5 mm Cap
Q	KB6180/	BB30 Bearing Blue (QTY 2)
R	KP197/SRM	PF30 Bottom Bracket Cups And Bearings
T	K22037	BB30 Bearing Blue (QTY 24)
--	KF115/	Carbon Seatpost Gel
	K32128	BB Cover for 1x Drivetrain

Topstone Alloy

Item	Specification
Headtube	UPR: 1-1/8 in, LWR: 1-1/4 in
Bottom Bracket: Type / Width	BSA / 68 mm
Front Derailleur	31.8 mm Clamp, Down-Swing
Seat Post: Dia./Binder	27.2 mm / 31.8 mm
▲ Min. Seat Post Insert	100 mm
▲ Tire Size x Max. Width	700c x 40 mm (measured)
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Flat Mount / 140 mm / 160 mm FT: Flat Mount / 140 mm / 160 mm

Item	Specification
Axles: Type/Length	RR: Syntace TA / 142 × 12 mm FT: Maxle TA / 100 × 12 mm
Fork Leg length/Offset	400 mm / 55 mm
▲ Intended Use	ASTM CONDITION 2, General Purpose Riding
▲ Max. Weight Limit: Total (Rider+All Equipment):	330 lbs / 150 kg



ID	Part Number	Description	SHIMANO	SRAM
A	K33049	Derailleur Hanger TA ST SS 073		
B	K32059	BB Cable Guide YF 007 3		
C	K32119	BB Cable Guide YF-014		
D	K32048	Shift and Brake Grommets		
E	K35098	Headset 1-1/8 to 1 1/4 33 O.D.TC		
F	K35009	SL Compression Plug With Top Cap		

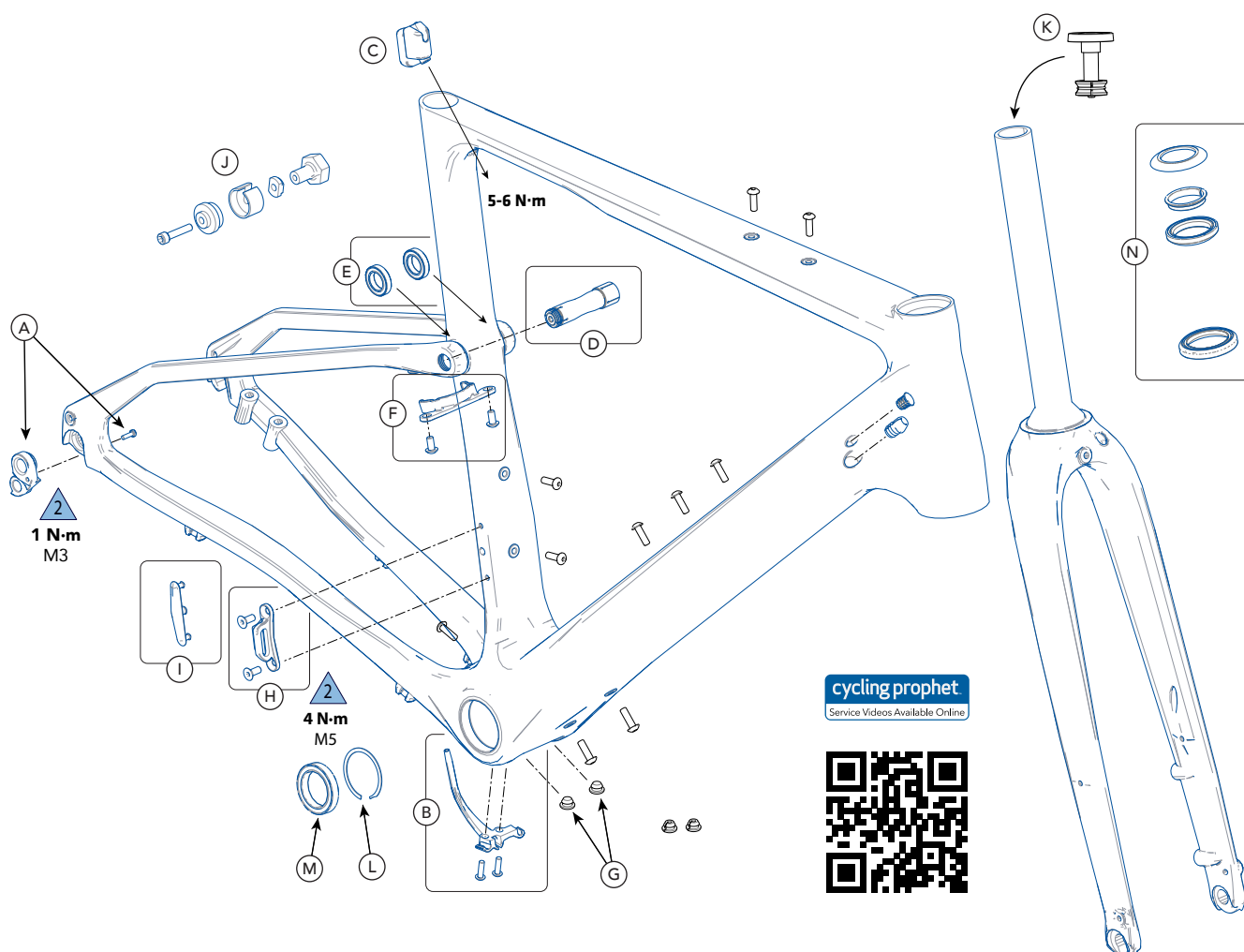
ID	Part Number	Description	SHIMANO	SRAM
G	QC844/BBQ	Seatbinder Bolt Type 31.8 BLK		
H	K32320	Shift Cable Stop Closed Grommet Qty 2		
--	K83038	Ratchet Lever Maxle 100×12 125 mm		
--	K83058	Ratchet Lever Syntace 142×12 165 mm		

Topstone Carbon

2020-2021

Item	Specification
Head Tube	Upper 1-1/8 in, LWR 1-1/2 in
Headset	Integrated, 1-1/8 in - 1-1/2 in
Bottom Bracket: Type / Width	BB30A / 83 mm
Front Derailleur	Brazed-on
Seat Post: Dia./Binder	27.2 mm / Internal Wedge
▲ Min. Seat Post Insert	65 mm
▲ Max. Seat Post Insert	XS: 140 mm, S-XL: 188 mm ,
▲ Tire Size x Max. Width	700c x 40 mm (measured), 650b x 48 mm (measured)

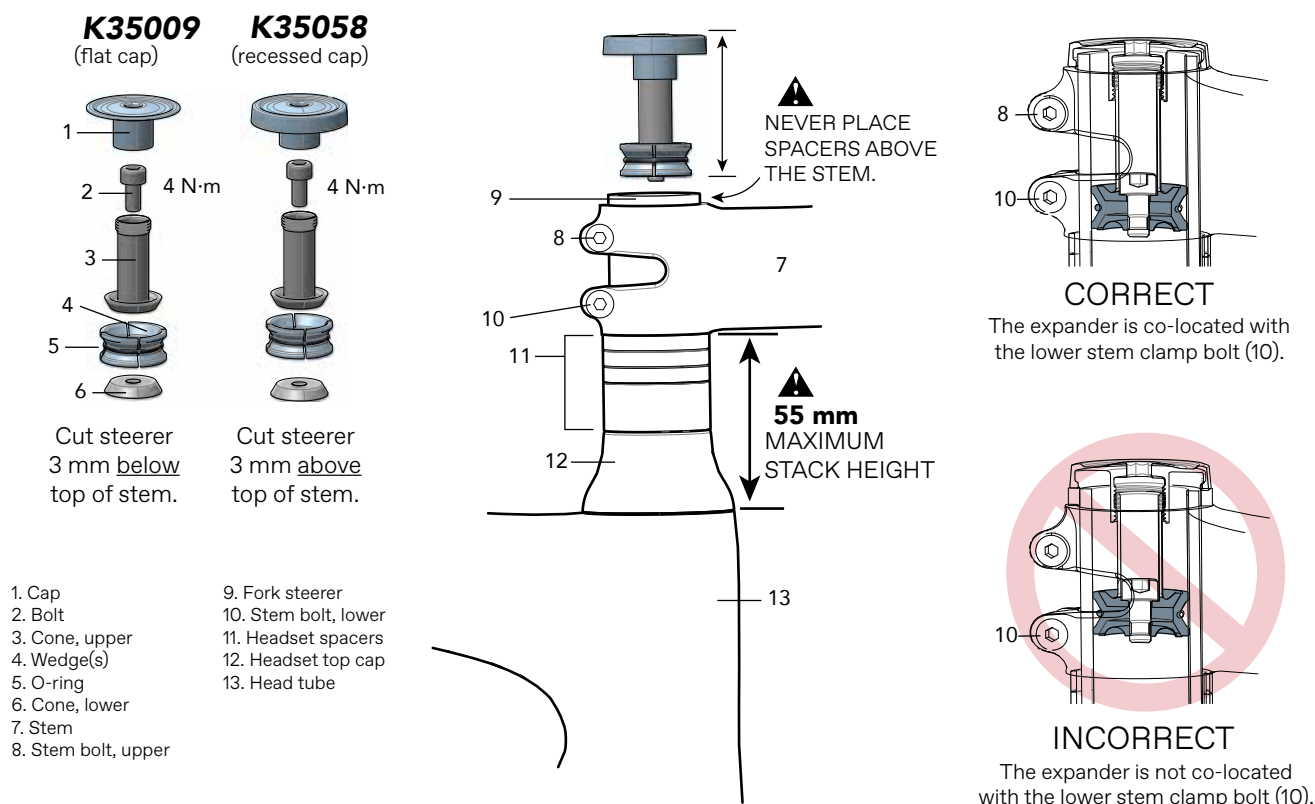
Brakes: Mount Type/Min/Max Rotor Dia.	RR: Flat Mount / 140/160 mm FT: Flat Mount +20mm / 160 / 180 mm
Axles: Type/Length	RR: Speed Release, Double Lead / 142 x 12 mm, 165 mm Length FT: Speed Release, Double Lead / 100 x 12 mm, 119 mm Length
Ai Offset	Rear Wheel: 6mm Offset to NDS Hollowgram SpideRing: Standard with Ai Spindle
▲ Intended Use:	ASTM CONDITION 2, General Purpose Riding
▲ Max. Weight Limit: Total	305 lbs / 138 kg



ID	Part Number	Description
A	K33009	Derailleur Hanger TA ST SS 070 *Double Lead
B	K32020	BB Cable Guide E256240
C	K26058	27.2 Internal Seat Binder
D	K91000	LockR Pivot Hardware 65mm
E	K36087	Pivot Bearing 6802 (QTY 2)
F	K11000	Topstone Crb Rear Fender Mount
G	K32079	Blank Frame Plugs (QTY 3)
H	K33000	Topstone Crb Front Derailleur Mount
I	K33010	Topstone Crb Front Derailleur 1X Cover
J	K91010	Kingpin Bearing Install Removal Tool

ID	Part Number	Description
K	K35009	SL Compression Plug With Top Cap
L	QC616/	Circlips (Qty-2)
M	KB6180/	Bb30 Bearings
N	K35010	1-1/8-1.5 Int Hdset w/ 36 Deg Cr 25/5 TC
--	K83010	Speed Rel TA 142X12 2Lead P1.0 Bolt 165L
--	K83000	Speed Rel TA 100X12 2Lead P1.0 Bolt 119L
--	KP450/	Hollowgram Spindle 119mm Ai (1x)
--	KP451/	Hollowgram Spindle 125mm Ai (2x)
--	KP452/	Complete BB 119 Ai
--	KP453/	Complete BB 125 Ai

SI Compression Plug Kits



Compatibility

Part Number	Compatible
K35009, K35058	2018 carbon steerer forks Lefty Ocho (carbon steerer)
KP017/	Pre-2018 carbon steerer forks

PLEASE NOTE:

Both K35009 and K35058 may be used in pre-2018 forks provided that the length of the fork steerer is cut as described above. Do not install either K35009 or K35058 without adjusting the length of the pre-2018 steerers.

K35058 - Is used primary for regular stem set-up. The recessed cap design also satisfies certain stem manufacturers' instructions directing the use of a spacer on top of the stem.

K35009 -Is used where a more aerodynamic or flat profile is preferred.

WARNING

NEVER INSTALL SPACERS ON TOP OF THE STEM!

DO NOT EXCEED MAXIMUM 55 mm STACK HEIGHT BETWEEN THE STEM AND HEAD TUBE. Maximum stack height is a distance spacers may be stacked between the top of the head tube and the bottom of the stem. Exceeding this distance with spacers or locating spacers on top of the handlebar stem can place significant stress on the steerer tube. It could break.

YOU CAN BE SEVERELY INJURED, PARALYZED, OR KILLED IN AN ACCIDENT IF YOU IGNORE THESE WARNINGS.

Installation

1. If K35058, cut the fork steerer so that the steerer extends 3 mm above the top of the stem (as shown above, center).

If K35009, cut the fork steerer so that it is 3 mm below the top of the stem.
2. Assemble the fork, headset, spacers, and stem into the head tube. Finger tighten the stem bolts.
3. Adjust the overall length of the compression plug assembly by threading the cap on the upper cone.
4. Insert the compression assembly into the steerer tube. Make sure that when inserted, the expander wedge part of the plug co-locates at the lower stem clamp bolts, as shown above, right. Adjust the length if necessary.
5. Insert a 4 mm hex key through the hole in the cap and into the expander bolt. Tighten the expander bolt to 4 Nm with a torque wrench to secure it within the steerer ID.
6. Insert a 5 mm hex key into the cap. Turn it clockwise slowly to compress the headset, stem, and fork parts together. Stop when the preferred preload is achieved.
7. Align the stem to the front, re-confirm the preload by turning the handlebar left and right. Finally, tighten the stem clamp bolts to the specified torque. Consult the stem manufacturer's instructions. The torque values for components are often marked on the part.

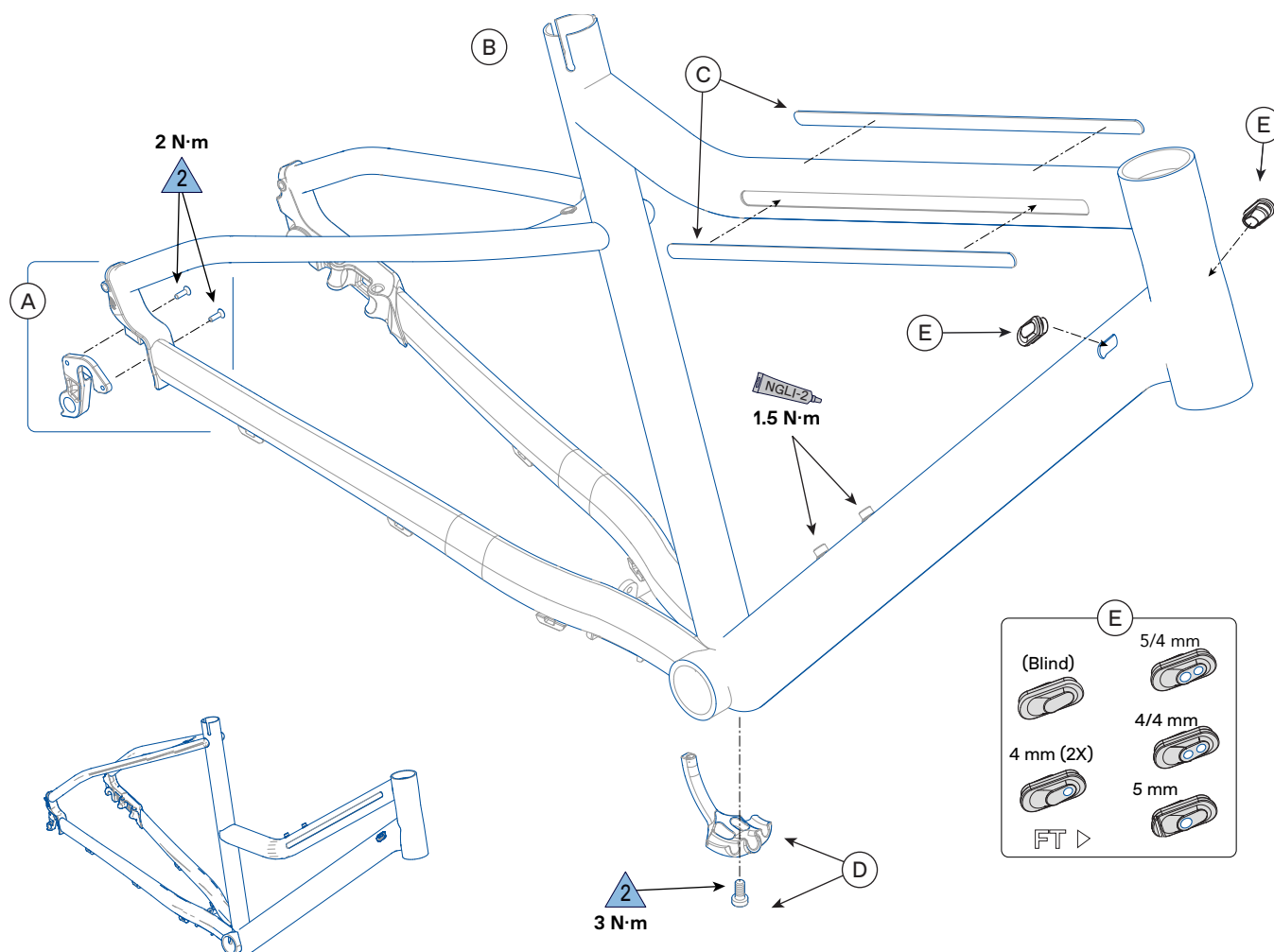
Standard & Remixte

Treadwell

2020-2021

Item	Specification
Head Tube	UPR: 1-1/8 in, LWR: 1-1/8 in
Headset	Semi-Integrated, 1-1/8 in - 1-1/8 in
Bottom Bracket: Type/ Width	BSA / 73 mm
Front Derailleur	34.9 mm, Band Clamp
Seat Post: Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	65 mm
▲ Tire Size x Max. Width	650b x 50 mm (measured)

Item	Specification
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Flat Mount / 140 mm / 160 mm FT: Flat Mount / 140 mm / 160 mm
Axles: Type/Length	RR: QR / 135 mm / 151 mm FT: QR / 100 mm / 115 mm
▲ Intended Use	ASTM Condition 2
▲ Max. Weight Limit: Total (Rider+All Equipment):	305 lbs / 138 kg



ID	Part Number	Description
A	KP284/	Derailleur Hanger QR ST SS 028
B	K26091	Seatbinder 34.9mm w/ Rack Mounts
C	K34000	Treadwell Top Tube Scuff Guard
D	K32058	BB Cable Guide E206909
E	K32000	Shift/Brake Keyhole Grommets

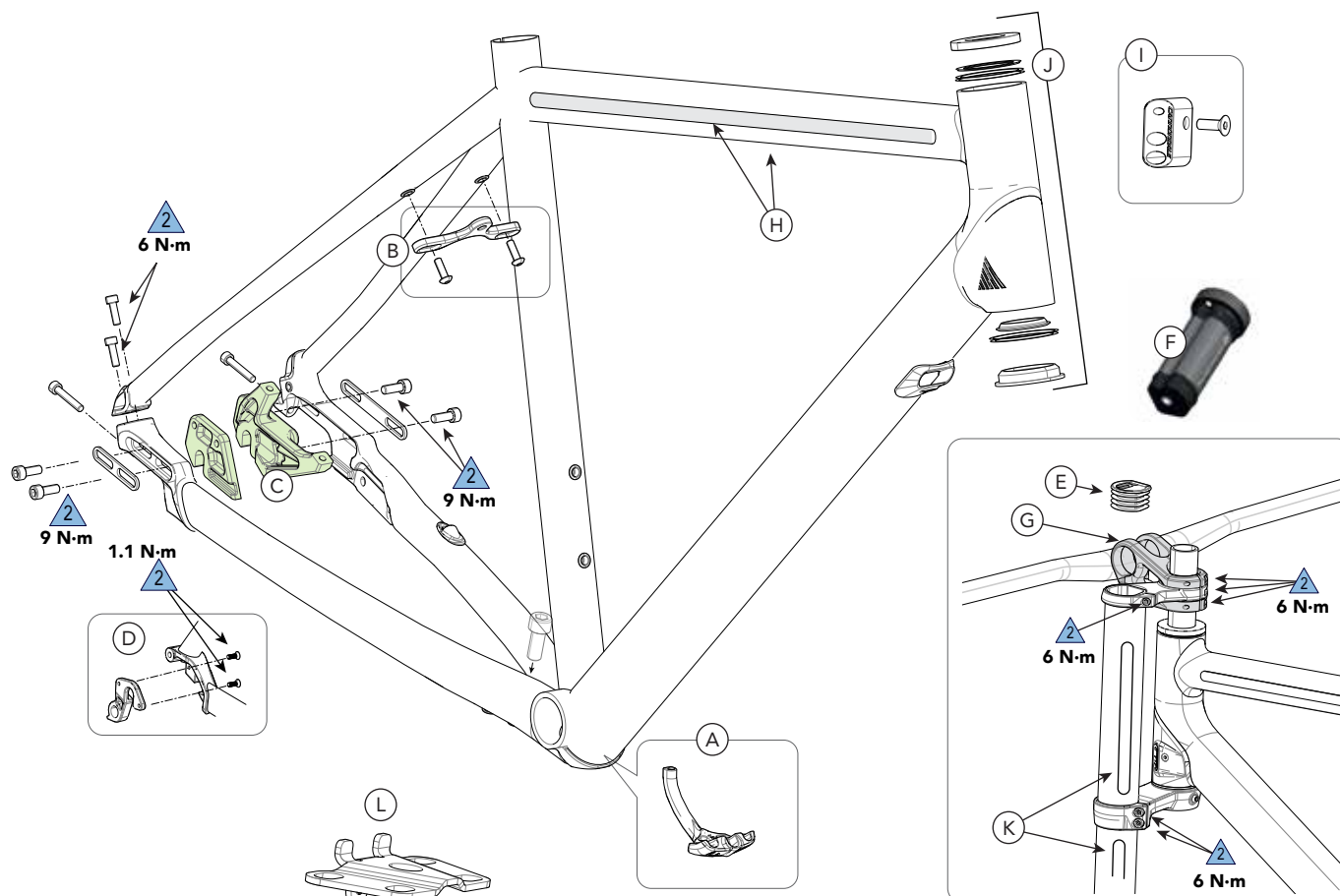
ID	Part Number	Description
--	K21000	Cruise Control Handlebar 740 x 31.8mm
--	K13000	Treadwell Front Rack w/ Bamboo Tray
--	K11020	Treadwell 27.5 Fender Set BLK

Bad Boy

2017 - 2021

Item	Specification
Head Tube	UPR: 1-1/8 in, LWR: 1-1/8 in
Bottom Bracket: Type/ Width	BSA / 68 mm
Front Derailleur	34.9 mm Clamp, Top-Swing
Seat Post: Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	100 mm
▲ Tire Size x Max. Width	650b x 40 mm (measured)

Item	Specification
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Post Mount / 160 mm FT: Post Mount / 160 mm
Rear Dropout Width	135 mm
▲ Intended Use	ASTM CONDITION 2, General Purpose Riding
▲ Max. Weight Limit: Total (Rider+All Equipment):	330 lbs / 150 kg



ID	Part Number	Description	LightPipe Rigid Lefty		Rigid Lefty
			Belt Drive	Chain	
A	CK3307U00OS	Bad Boy Bottom Bracket Cable Guide			
B	CK3317U00OS	Seatstay Fender Mount			
C	CK3327U00OS	Derailleur Hanger QR SS DS 016			
D	KP284/	Derailleur Hanger QR ST SS 028			
E	CK5357U00OS	Bad Boy Lefty Rigid Plug			
F	CK5337U00OS	Bad Boy Lefty LightPipe Battery			
G	CK2107U0060	Bad Boy Stem 60 mm			
H	K34018	Bad Boy Top Tube Scuff Guard			
I	KP456/	Modular Cable Guides Headtube			
J	KP319/	Headset 1-1/8 Semi Integrated			
K	K25008SM	LightPipe Replacement Light String SM			
	K25008MD	LightPipe Replacement Light String MD			
	K25008LG	LightPipe Replacement Light String LG			
	K25008XL	LightPipe Replacement Light String XL			
L	K91119	Bad Boy Bolt On Kickstand Plate			
--	K25038	LightPipe Charge Cord			
--	KF103/	Scuffguard (QTY 8)			
--	KP363/	Open Oval Grommet x2			
--	K26068	Urban Seatpost 31.6mm w/ USB LED Lights			

Quick CX

2021

Quick CX

Item	Specification	Spare Parts	
Head Tube	UPR: 1-1/8in. LWR: 1-1/2in.		
Headset	"Semi-Integrated, 1-1/8in. - 1-1/2in. Quick CX 3 and 4: 30mm crown race reducer"		
Bottom Bracket: Type/Width	BSA/73mm		
Front Derailleur	31.8mm Clamp		
Seat Post: Dia./Binder	27.2mm/31.8mm		
▲ Min. Seat Post Insert	100mm		
▲ Max. Fork Length	477mm		
▲ Tire Size x Max. Tire Width	700c x 40mm (measured)		
Brakes: Mount Type / Min./Max. Rotor Dia.	RR: Flat Mount 140mm/160mm		
Axles: Type/Length	RR: QR/135mm x 9mm		
Fork Offset			
▲ Intended Use	ASTM CONDITION 2: General Purpose Riding		
▲ Max. Weight Limit: Total (Rider+All Equipment)	330lbs/150kgs		
		KP171/BLK	Seatbinder MTN QR 31.8 BLK
		KF002/	Double BB Cable Guide Alloy Frame
		KP284/	Derailleur Hanger QR ST SS 028
		K35078	Headset Taper HT to 1-1/8 straight - Quick CX 4 Only

Quick

2020

Quick

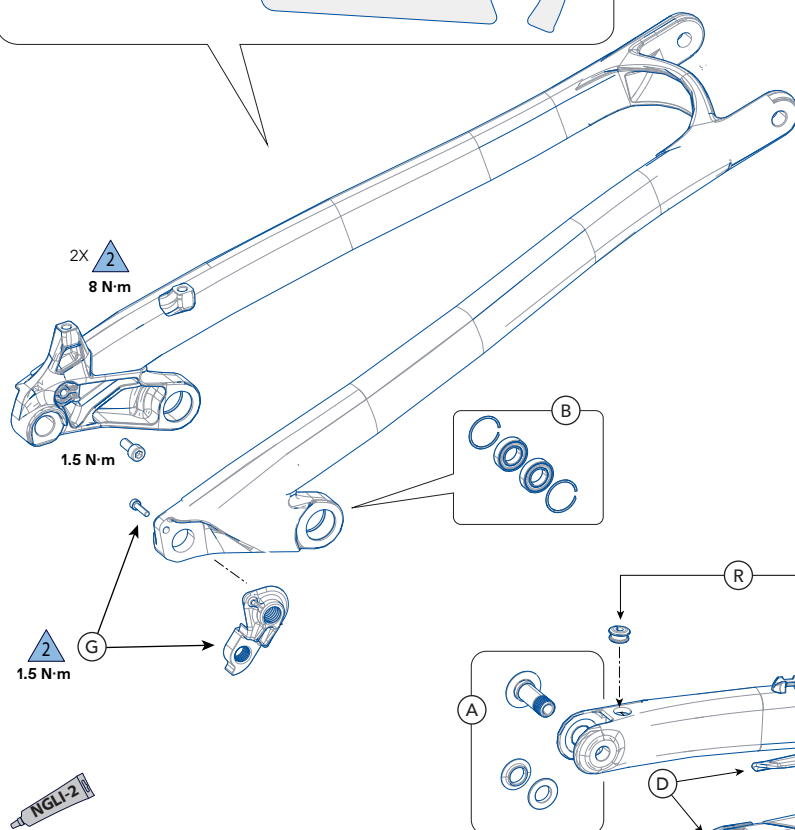
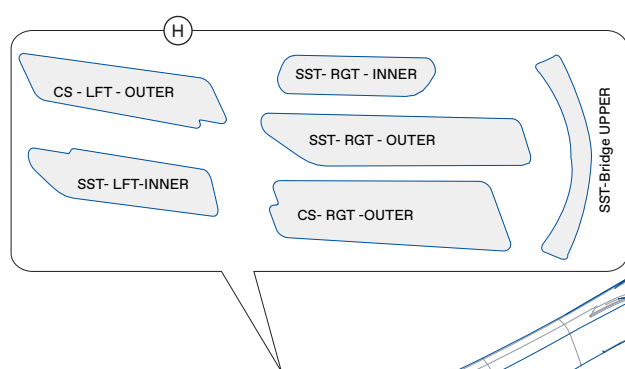
Item	Specification		
	Rim	Disc	
Head Tube	UPR: 1-1/8 in, LWR: 1-1/8 in	UPR: 1-1/8 in, LWR: 1-1/4 in	
Headset	Steel Fork	Carbon Fork	Steel Fork
	Semi-Integrated, 1-1/8 in - 1-1/8 in	Integrated, 1-1/8 in - 1-1/4 in	Integrated, 1-1/8 in - 1-1/8 in w/ reducer
Bottom Bracket: Type/Width	BSA / 68 mm		
Front Derailleur	31.8 mm Band		
Seat Post: Dia./Binder	27.2 mm / 31.8 mm		
Min. Seat Post Insert	100 mm		
Tire Size x Max. Width	700c x 40 mm (measured)		
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Rim	RR: Flat Mount / 140 mm / 160 mm	
	FT: Rim	FT: Flat Mount / 140 mm / 160 mm	
Axles: Type / Hub Spacing / Length	RR: QR / 135 × 9 mm	RR: QR / 135 × 9 mm	
	FT: QR / 100 × 9 mm	FT: Maxle TA Single Lead / 100 × 12 mm /125 mm	
Intended Use:	ASTM CONDITION 2, General Purpose Riding		
Max. Weight Limit: Total (rider+all equipment)	305 lbs / 138 kg		
Spare Parts	Kit #	Kit Description	Note
	KP284/	Derailleur Hanger QR ST SS 028	MTB Spec
	KP255/	Derailleur Hanger QR ST SS 027	Road Spec
	K32058	BB Cable Guide E206909	Disc & Rim
	K32000	Shift/Brake Keyhole Grommets	Disc & Rim
	K32010	Clip-in Brake Cable Stop Qty 2	Rim Only
	K26000	Seatbinder 31.8mm w/ Rack Mounts	Disc & Rim
	K83038	Ratchet Lever Maxle 100×12 125mm	Disc Only

Habit Neo

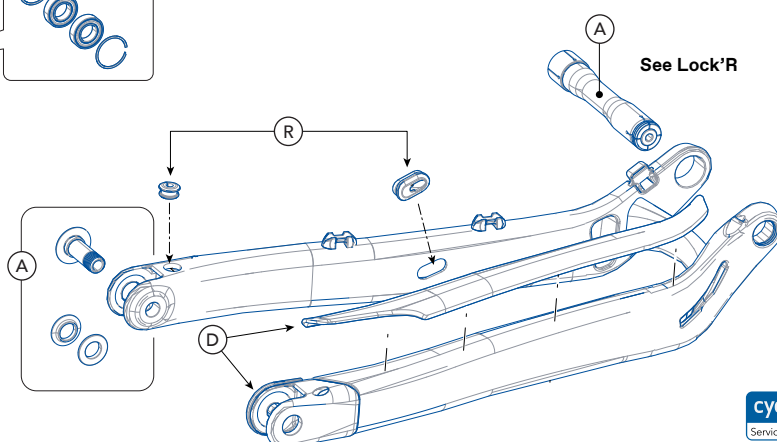
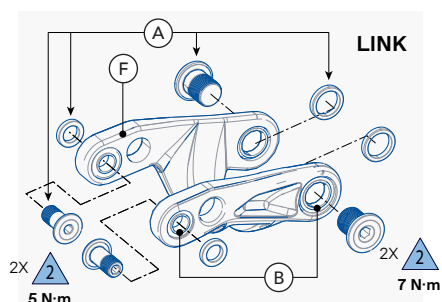
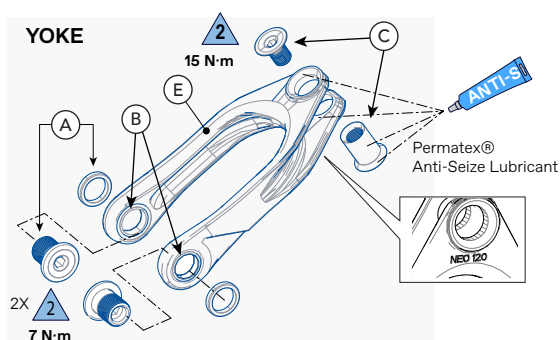
2020-2021

Item	Specification
Drive System:	Bosch Performance Line CX
Battery:	Bosch PowerTube 625Wh Bosch PowerTube 500Wh
Rear Travel	130 mm
Head Tube	UPR: 1-1/8 in LWR: 1-1/2 in
Headset	FSA Orbit C-40-ACB
Bottom Bracket: Type/ Width	Bosch Drive Unit
Front Derailleur	N/A
Seat Post: Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	100 mm
▲ Tire Size x Max. Width (measured)	29 in x 2.6 in
▲ Max. Fork Length:	547 mm

Item	Specification
Rear Shock:	210 x 50 mm / FT: 8x20mm
Eye-To-Eye / Stroke / Bushing Width	RR: Bare
Recommended Sag:	30%, 14mm
Chain Guide	N/A
Brakes:	Post Mount /180 mm / 220mm
Mount Type / Min/Max Rotor Dia.	
Rear Hub	Maxle TA / 148 x 12mm/ 180 mm length
Ai Offset	Rear Wheel: 3 mm offset to NDS, SRAM Chaining: +6 mm offset, Hollowgram SpideRing: Ai Offset
▲ Intended Use ¹	ASTM CONDITION 4, All-Mountain
▲ Max. Weight Limit Total (rider+all equipment):	305 lbs / 138 kg



Apply light grease to
bore of all press fit bearings
during installation

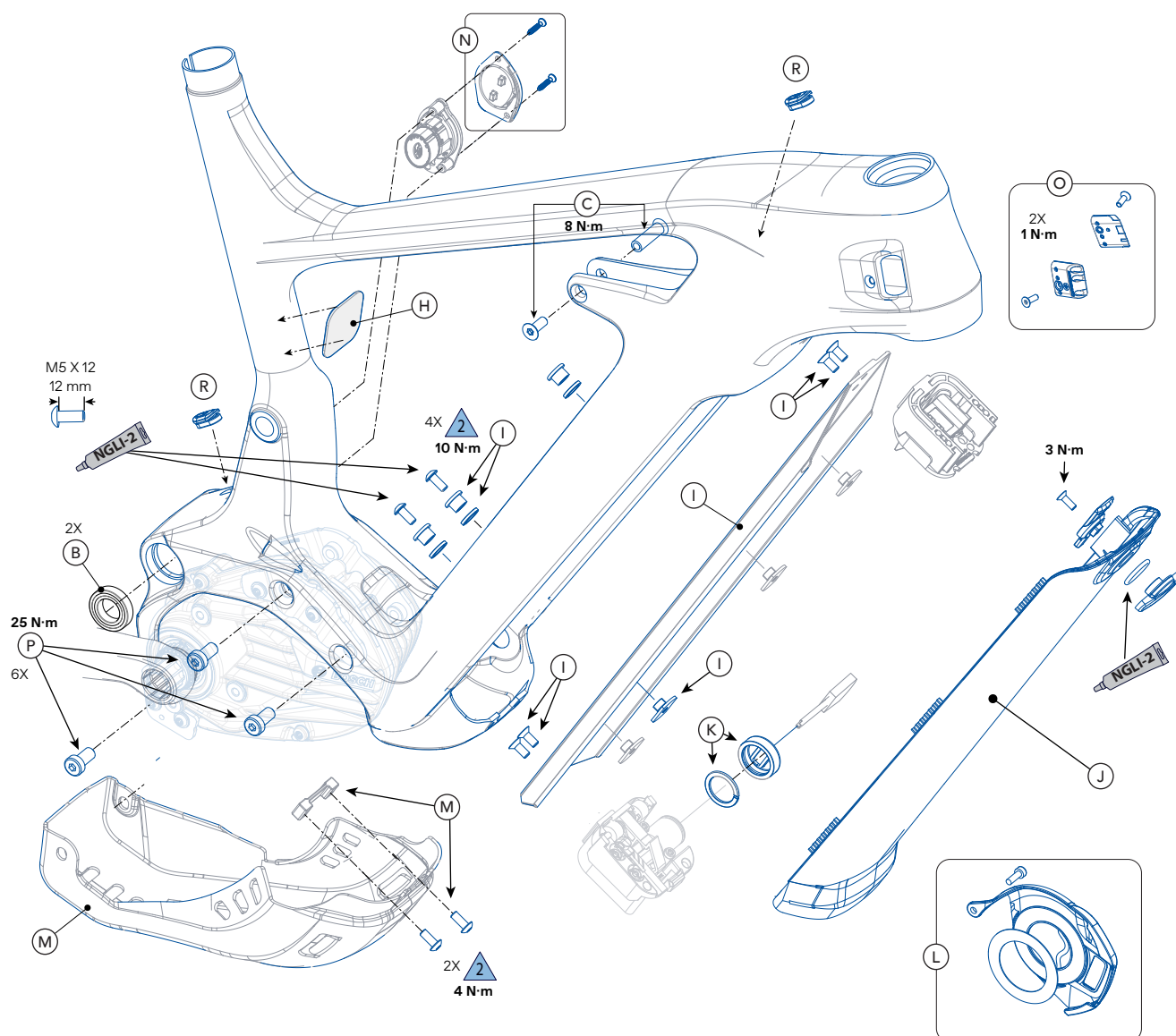


cycling prophet
Service Videos Available Online



Habit Neo

2020-2021



ID	Part Number	Description
A	K36060	Habit Neo/Moterra Pivot Hardware
B	K36020	Habit Neo/Moterra MP CS SS Link Brgs.
C	K36079	Yoke Driven Shock Hardware
D	K34129	Chainstay and Horst Pivot Protectors
E1	K91030	Habit Neo/Moterra Yoke 120mm w/ BRGS Sizes: MD/LG/XL
E2	K91040	Habit Neo/Moterra Yoke 110mm w/ BRGS Size: S
F	K91050	Habit Neo Suspension Link 29
G	CK3257U000S	Derailleur Hanger TA ST SS 015
H	K34220	Habit Neo/Moterra Clear Frame Protectors

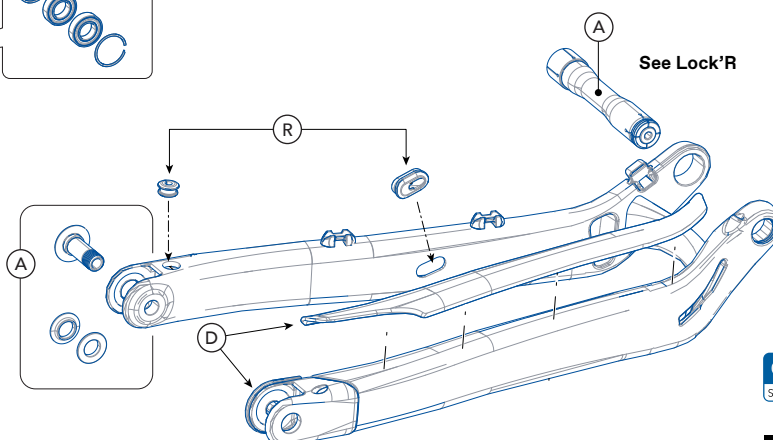
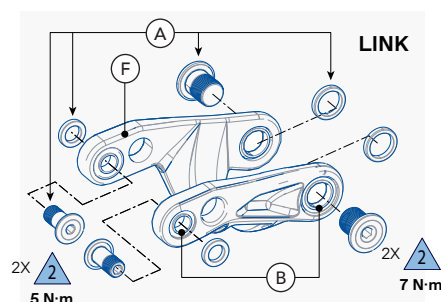
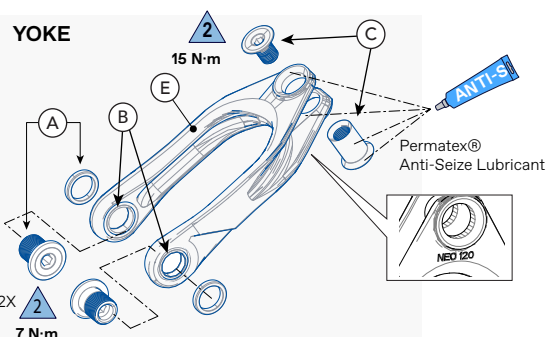
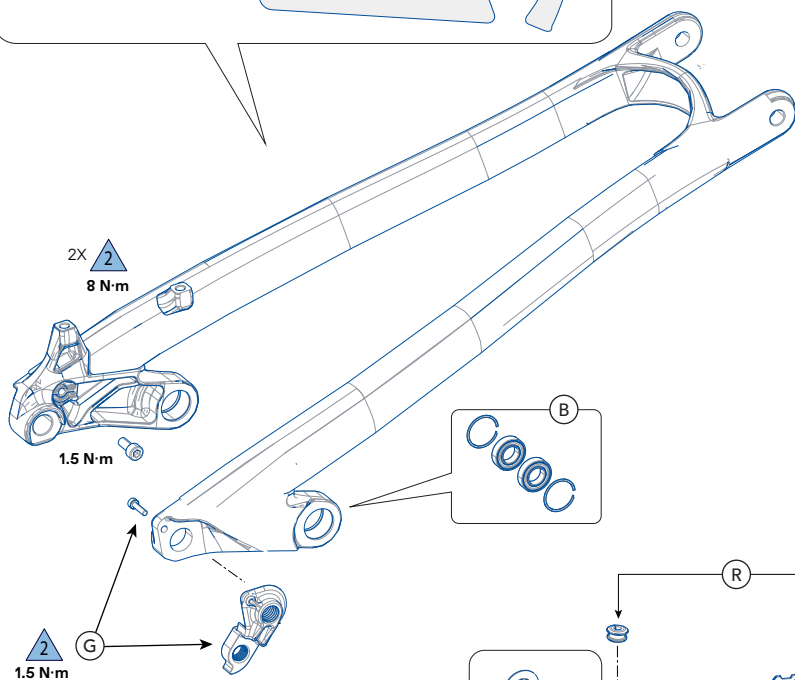
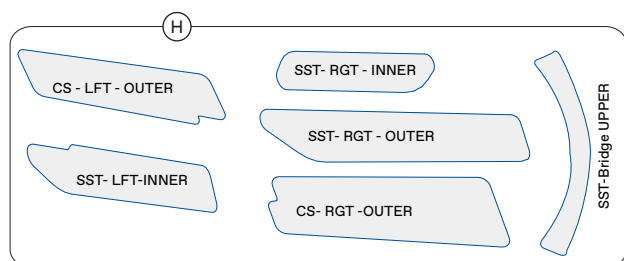
ID	Part Number	Description
I	K76000	Battery Rail DT Bottom Exit
J	K34040	Battery Cover DT Bottom Exit V2
K	K34050	Key Lock Cylinder
L	K34060	NDS Adhesive Motor Cover
M	K34070	Alloy Skid Plate w/Cover
N	K34159	Charge Port Cover V2
O	K32250	Modulator Cable Guides 4-5-5
P	K76010	Motor Mount Screws M8X16mm (QTY = 6)
Q	K76020	Skidplate/DT Battery Cover Catch
R	K32260	Habit Neo/Moterra Frame Grommets

Moterra Neo

2020-2021

Item	Specification
Drive System:	Bosch Performance Line CX
Battery:	Bosch PowerTube 625Wh Bosch PowerTube 500Wh
Rear Travel	160 mm
Head Tube	UPR: 1-1/8 in LWR: 1-1/2 in
Headset	FSA Orbit C-40-ACB, No. 42
Bottom Bracket: Type/ Width	Bosch Drive Unit
Front Derailleur / Chain Ring	N/A / 34T Max.
Rear Derailleur	Shimano Standard
Seat Post: Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	100 mm
▲ Tire Size x Max. Width (measured)	S: 27.5 in x 2.8 in MD-XL: 29 in x 2.6 in MOTERRA SE: S: 27.5 in x 2.5 in MOTERRA SE: MD-XL: 29 in x 2.5 in

Item	Specification
▲ Max. Fork Length:	S: 561 mm, MD-XL : 582 mm
Rear Shock:	230 mm / 65 mm / FT: 8x20mm, RR: Bare
Recommended Sag:	30%, 18mm
Chain Guide	N/A
Brakes:	Post Mount /180 mm / 220 mm
Mount Type / Min/Max Rotor Dia.	
Rear Hub	148 mm, M12 x 1.75 x 180 mm
Ai Offset	Rear Wheel: 3 mm offset to NDS SRAM Chaining: +6 mm offset Hollowgram SpideRing: Ai Offset
▲ Intended Use ¹	ASTM CONDITION 4, All-Mountain
▲ Max. Weight Limit (Total (rider+all equipment):	305 lbs / 138 kg

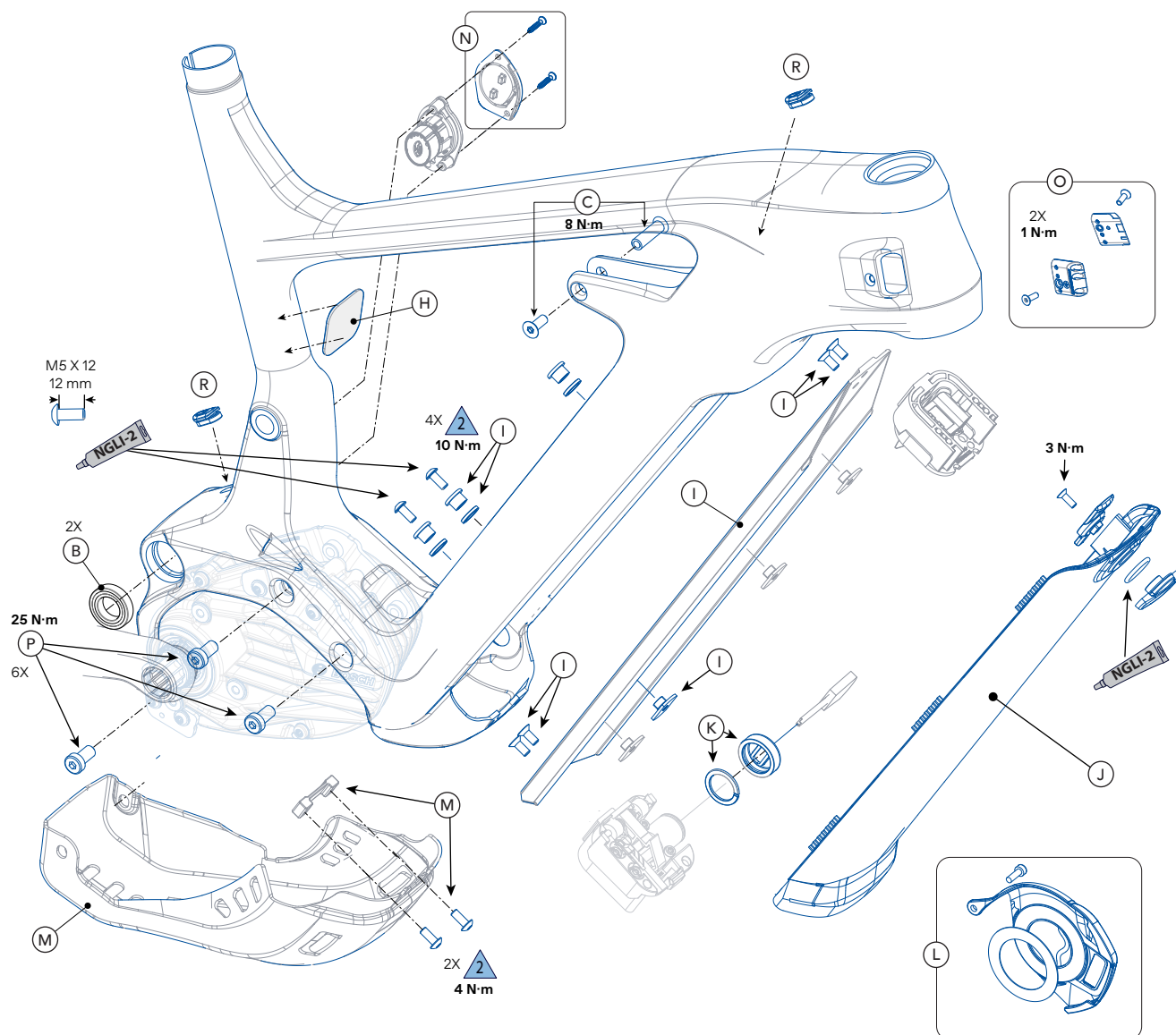


cycling prophet
Service Videos Available Online



Moterra Neo

2020-2021



ID	Part Number	Description
A	K36060	Habit Neo/Moterra Pivot Hardware
B	K36020	Habit Neo/Moterra MP CS SS Link Brgs.
C	K36079	Yoke Driven Shock Hardware
D	K34129	Chainstay and Horst Pivot Protectors
E1	K91030	Habit Neo/Moterra Yoke 120mm w/ BRGS Sizes: MD/LG/XL
E2	K91040	Habit Neo/Moterra Yoke 110mm w/ BRGS Size: S
F	K91060	Moterra Suspension Link 27.5/29
G	CK3257U000S	Derailleur Hanger TA ST SS 015
H	K34220	Habit Neo/Moterra Clear Frame Protectors

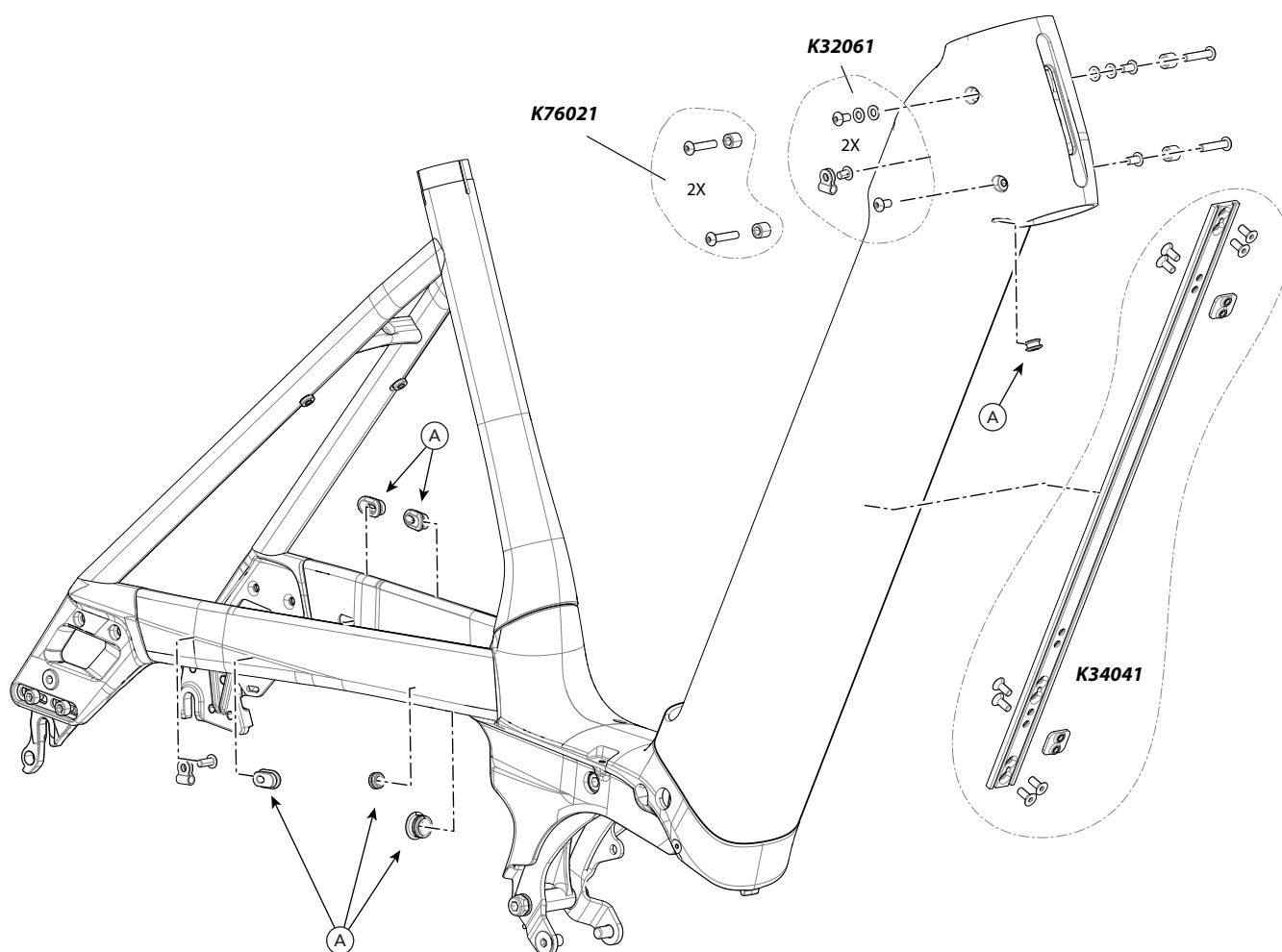
ID	Part Number	Description
I	K76000	Battery Rail DT Bottom Exit
J	K34040	Battery Cover DT Bottom Exit V2
K	K34050	Key Lock Cylinder
L	K34060	NDS Adhesive Motor Cover
M	K34070	Alloy Skid Plate w/Cover
N	K34159	Charge Port Cover V2
O	K32250	Modulator Cable Guides 4-5-5
P	K76010	Motor Mount Screws M8X16mm (QTY = 6)
Q	K76020	Skidplate/DT Battery Cover Catch
R	K32260	Habit Neo/Moterra Frame Grommets

Mavaro Neo

2021

Item	Specification
Drive System	Bosch Performance Line CX Bosch Performance Line Bosch Active Line Plus
Battery	Bosch Powertube 625Wh Bosch Powertube 500Wh
Drive-Assist Owner's Manual	https://www.bosch-ebike.com/
Head Tube	Cannondale Si
Headset	Integrated, Cannondale HeadShok 1.56"
Bottom Bracket: Type/Width	Bosch Drive Unit
Front Derailleur	N/A
Seat Post: Dia./Binder	31.6mm/36.4mm
Min. Seat Post Insert	65mm
Max. Seat Post Insert	SM: 190mm MD: 270mm LG:330mm

Item	Specification
Tire Size x Max. Tire Width	700c x 48mm
Brakes: Mount Type / Min./Max. Rotor Dia.	RR: Post Mount / 160mm/180mm
Axles: Type/Length	RR: QR/135x9mm or Internal Gear Hub
Intended Use	ASTM CONDITION 2: General Purpose Riding
Max. Weight Limit: Total (Rider+All Equipment)	330 lbs/150kg



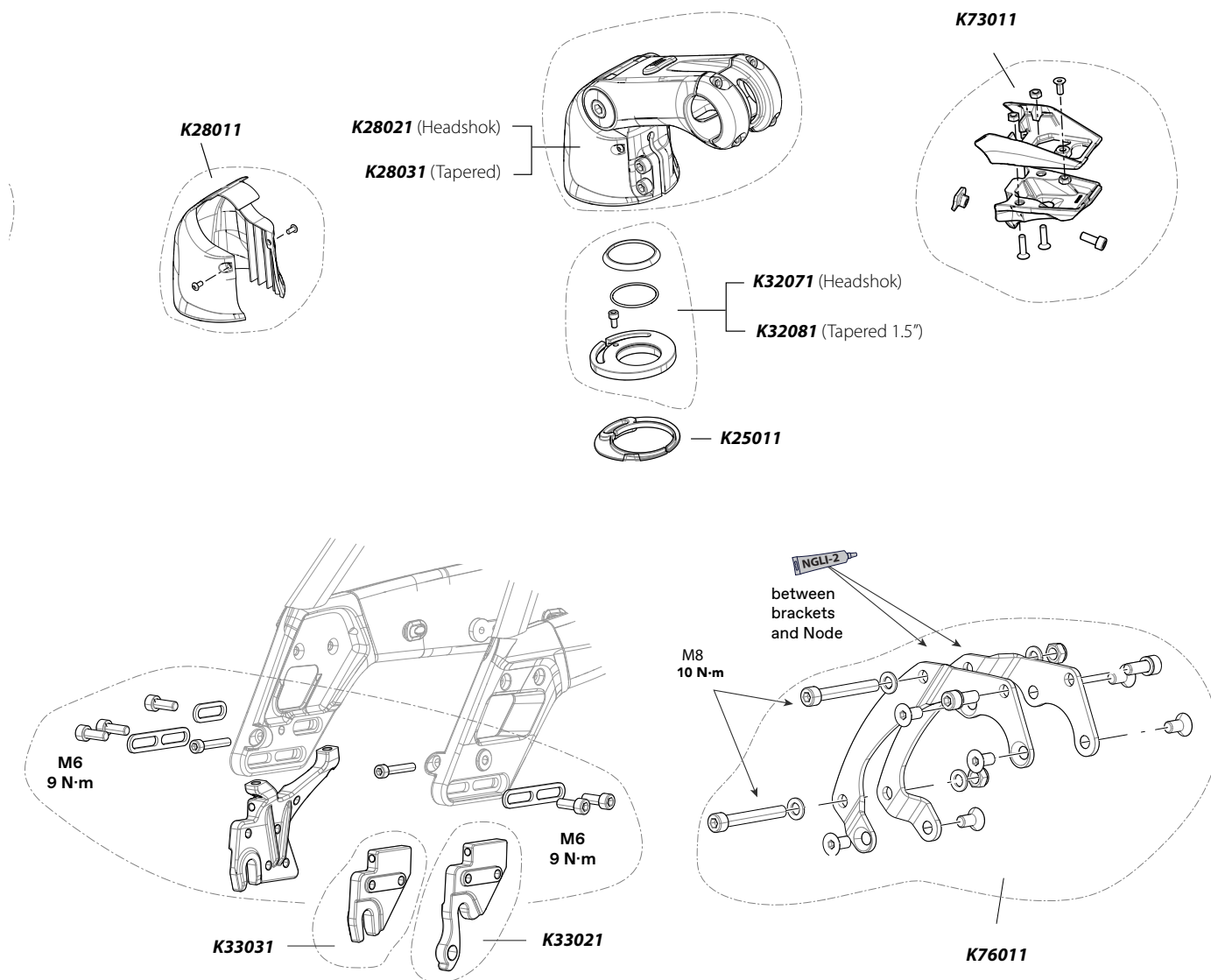
Frame

ID	Part Number	Description
A	K32048	Shift And Brake Grommets
	K34041	Mavaro Neo Battery Rail Mounting Kit
	K76021	Mavaro Neo HT Bottle Cage Spacer Kit

ID	Part Number	Description
	K32061	Mavaro Neo Frame Cable Guides
	K34041	Mavaro Neo Battery Rail Mounting Kit
	K76011	Mavaro Neo Gen 4 DU Mounting Hardware

Mavaro Neo

2021



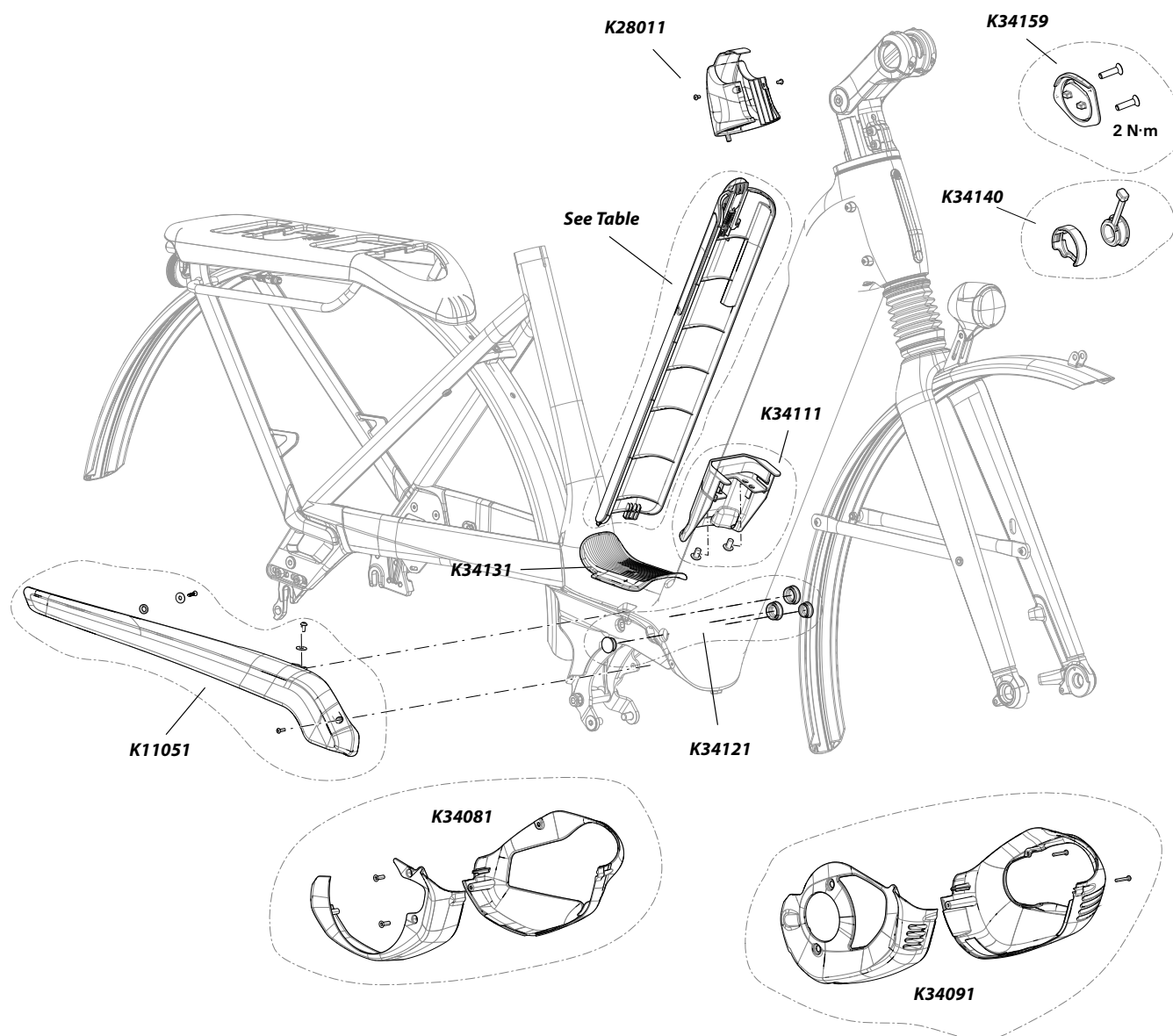
Frame/Stem/Dropouts

ID	Part Number	Description
	K32071	Mavaro Neo Headshok Steerer Cable Guide
	K32081	Mavaro Neo 1.5" Steerer Cable Guide
	K25011	Mavaro Neo Steerer Stop
	K28021	Mavaro Neo Headshok Stem
	K28031	Mavaro Neo 1.5" Stem
	K28011	Mavaro Neo Stem Cover
	K73011	Mavaro Neo Kiox Display mount

ID	Part Number	Description
	K33021	Derailleur Hanger QR ST DS 079
	K33031	Derailleur Hanger QR SS DS 080
	K76011	Mavaro Neo Gen 4 DU Mounting Hardware

Mavaro Neo

2021



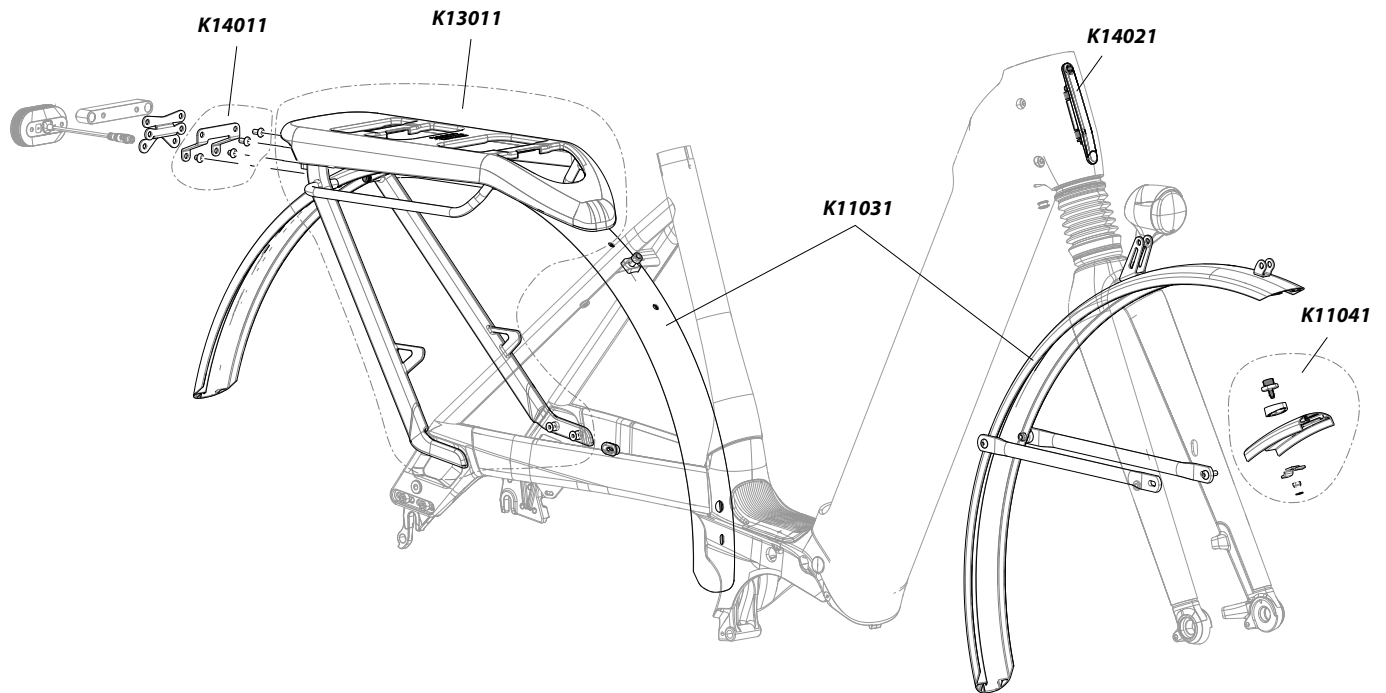
Guards/Covers

ID	Part Number	Description
	K34121	Node Plugs
	K11051	Mavaro Neo Chainguard
	K34131	Remixte DT Guard
	K28011	Mavaro Neo Stem Cover
	K34159	Charge Port Cover V2
	K34140	Key Hole Cover w/ Leash
	K34111	Gen 3 Battery Gap Cover

ID	Part Number	Description
	K3410110	Battery Cover Top Exit GRY
	K3410130	Battery Cover Top Exit CHP
	K3410140	Battery Cover Top Exit MDN
	K3410150	Battery Cover Top Exit CRD
	K34081	Mavaro Neo Gen 3 Motor Cover
	K34091	Mavaro Neo Gen 4 Motor Cover
	K3410170	Battery Cover Top Exit BLK

Mavaro Neo

2021



Rear Rack/ Lighting/Fenders (Mud Guards)

ID	Part Number	Description
	K13011	Mavaro Neo Rear Rack
	K14011	Mavaro Neo Light and Radar Mount
	K11031	Mavaro Neo Fender Set

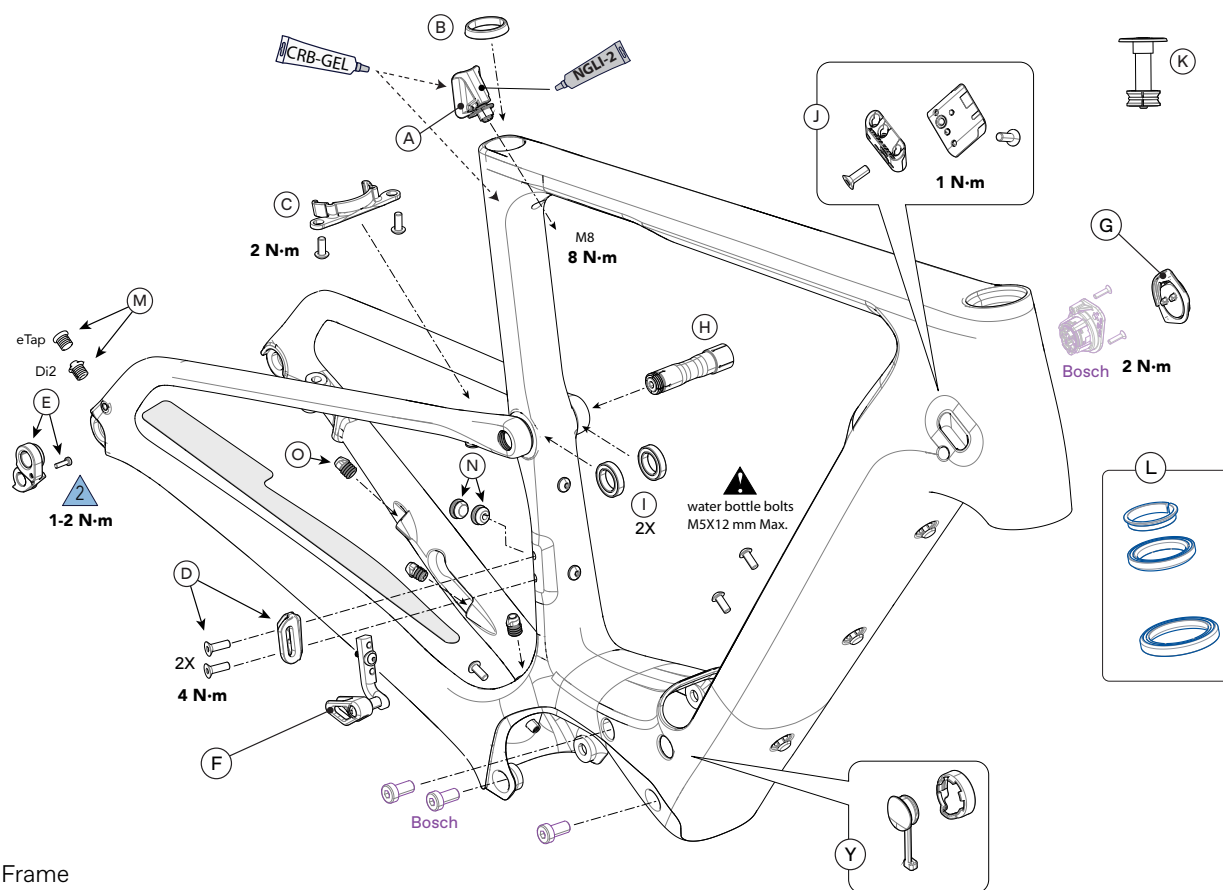
ID	Part Number	Description
	K11041	Mavaro Neo Front Fender Mount Hardware
	K14021	Mavaro Neo Headtube Light

Topstone Neo Carbon

2020 - 2021

Item	Specification
Drive System	Bosch Performance Line CX
Battery	Bosch PowerTube 500Wh
Drive-Assist Owner's Manual	https://www.bosch-ebike.com/
Head Tube	UPR: 1-1/8in LWR: 1-1/2in
Headset	Integrated, 1-1/8in-1-1/2in
Bottom Bracket: Type/Width	Bosch Drive unit
Front Derailleur	Braze-on
Seat Post: Dia./Binder	27.2mm/Internal Wedge
Min. Seat Post Insert	80mm
Max. Seat Post Insert	Size-specific, SM: 170mm, MD: 185mm, LG:205mm XL:215mm
Tire Size x Max. Tire Width (measured)	650b x 47mm (treadless,) 700c x 37mm

Item	Specification
Maximum. Fork Length	405mm
Brakes: Mount Type / Min./ Max. Rotor Dia.	Rigid Fork FR: Flat Mount+20mm / 160/180mm RR: Flat Mount / 160/180mm
Axles: Type/Length	RR: Syntace 148x12mm, 168mm length FR: Maxle 110x12mm, 135mm length
Intended Use	ASTM CONDITION 2: General Purpose Riding
Max. Weight Limit: Total (Rider+All Equipment)	305lbs / 138kg



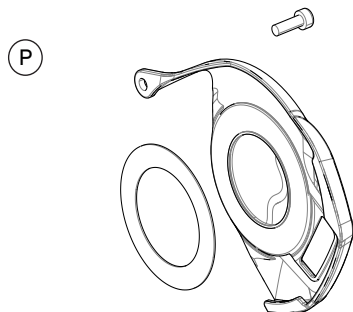
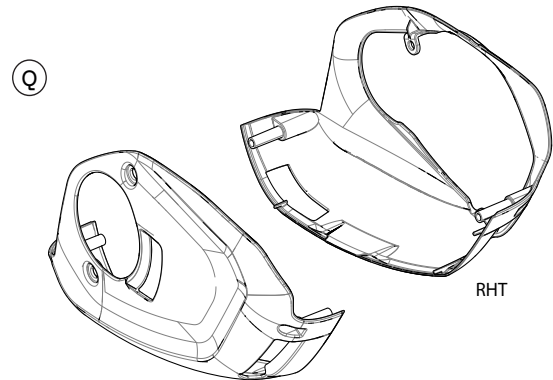
Frame

ID	Part Number	Description
A	K26001	Seat Binder
B	K26011	Seatpost Grommet Round 27.2
C	K11000	Rear Fender Mount
D	K33041	FD Mount
E	K33049	Derailleur Hanger TA ST SS 073
F	K11141	Chainguide
G	K34159	Charge Port Cover V2
H	K91000	LockR Pivot Hardware 65mm
I	K36087	Pivot Bearing 6802 x2
J	K32250	Modular Cable Guides 4-5-5 Qty 2

ID	Part Number	Description
K	K35009	SL Compression Plug w/ Top Cap
L	K35010	1-1/8-1.5 Int Hdset w/ 36 Deg CR 25/5 TC
--	K91010	Kingpin Bearing Tool
--	K83011	Maxle TA Bolt , 110x12 135mm
M	K32280	Di2 & Wireless Plugs 5.5mm
N	K32340	FD Grommets Open & Closed 7.5mm
O	KP449/	Rubber Brake Housing Grommets

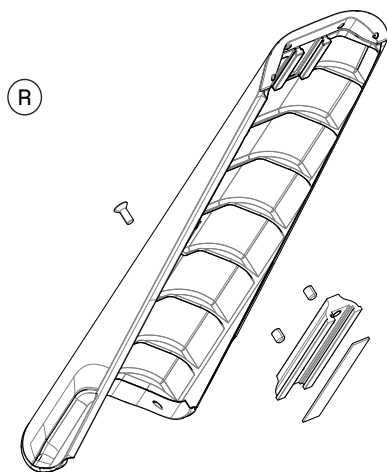
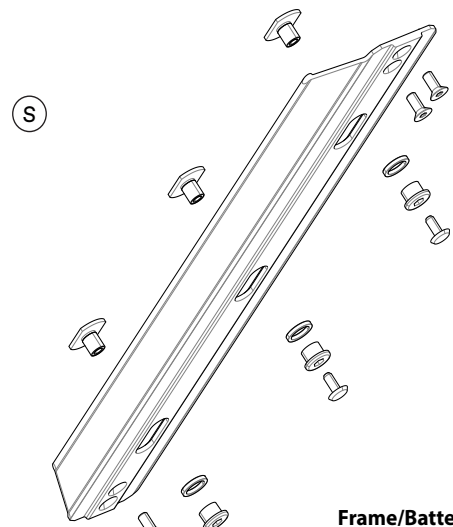
Topstone Neo Carbon

2020 - 2021

**Heat Shield****Motor Covers**

LFT

RHT

**Battery Cover****Frame/Battery Rail**

Battery / Motor Covers

ID	Part Number	Description
P	K34060	NDS Adhesive Motor Cover
R	K3420930	Battery Cover DT Top Exit BPL
	K3420970	Battery Cover DT Top Exit CHP
	K3420980	Battery Cover DT Top Exit GRY
	K3420990	Battery Cover DT Top Exit EMR

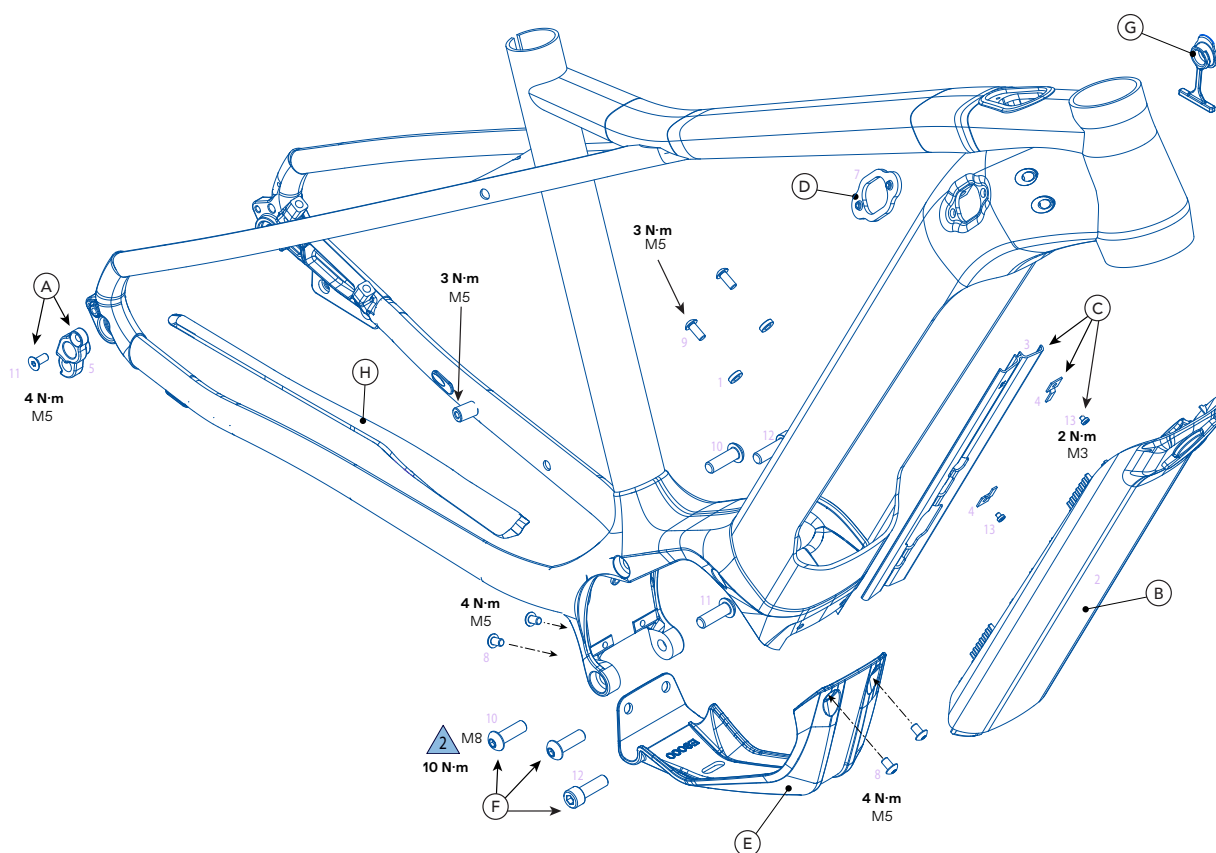
ID	Part Number	Description
Q	K3415110	Motor Cover BPL
	K3415120	Motor Cover CHP
	K3415130	Motor Cover GRY
	K3415140	Motor Cover EMR
S	K34141	Battery Rail Mounting Kit

Trail Neo S

2021

Item	Specification		
Drive System - Shimano	DU-E8000	DU-E7000	DU-E5000
Battery - Shimano	BT-E8035		
Drive-Assist Owner's Manual	https://si.shimano.com/		
Head Tube	UPR: 1-1/8" LWR: 1-1/2"		
Headset	Semi-Integrated, 1-1/8" - 1-1/2"		
Bottom Bracket: Type/Width	Shimano Drive Unit		
Front Derailleur	N/A		
Seat Post: Dia./Binder	31.6 mm/34.9 mm		
▲ Min. Seat Post Insert	100 mm		
▲ Tire Size x Max. Tire Width	27.5"x2.8" (measured)		
▲ Max. Fork Length	530 mm		

Item	Specification
Rear Brake: Mount Type / Min./Max. Rotor Dia.	Post Mount / 180 mm/203 mm
Rear Axle: Type/Length	Maxle TA/142×12 mm, 180 mm overall length
▲ Intended Use	ASTM CONDITION 3, Cross Country, Marathon
▲ Max. Weight Limit: Total (rider+all equipment)	305lbs/138kg



ID	Part Number	Description
A	K33059	Derailleur Hanger TA ST SS 074
B	K3418010	Battery Cover DT Bottom Exit BLK
C	K32310	DT Cable Channel
D	K76090	Remote Charging Port Threaded Plate
E	K34190	E8000 Skid Plate
	K34200	E7000 Skid Plate
	K34310	E5000 Skid Plate
F	K76100	Motor Mounting Bolts Qty 6
G	K34211	Neo Key Cover
H	K34340	E Hardtail CS SS Protectors

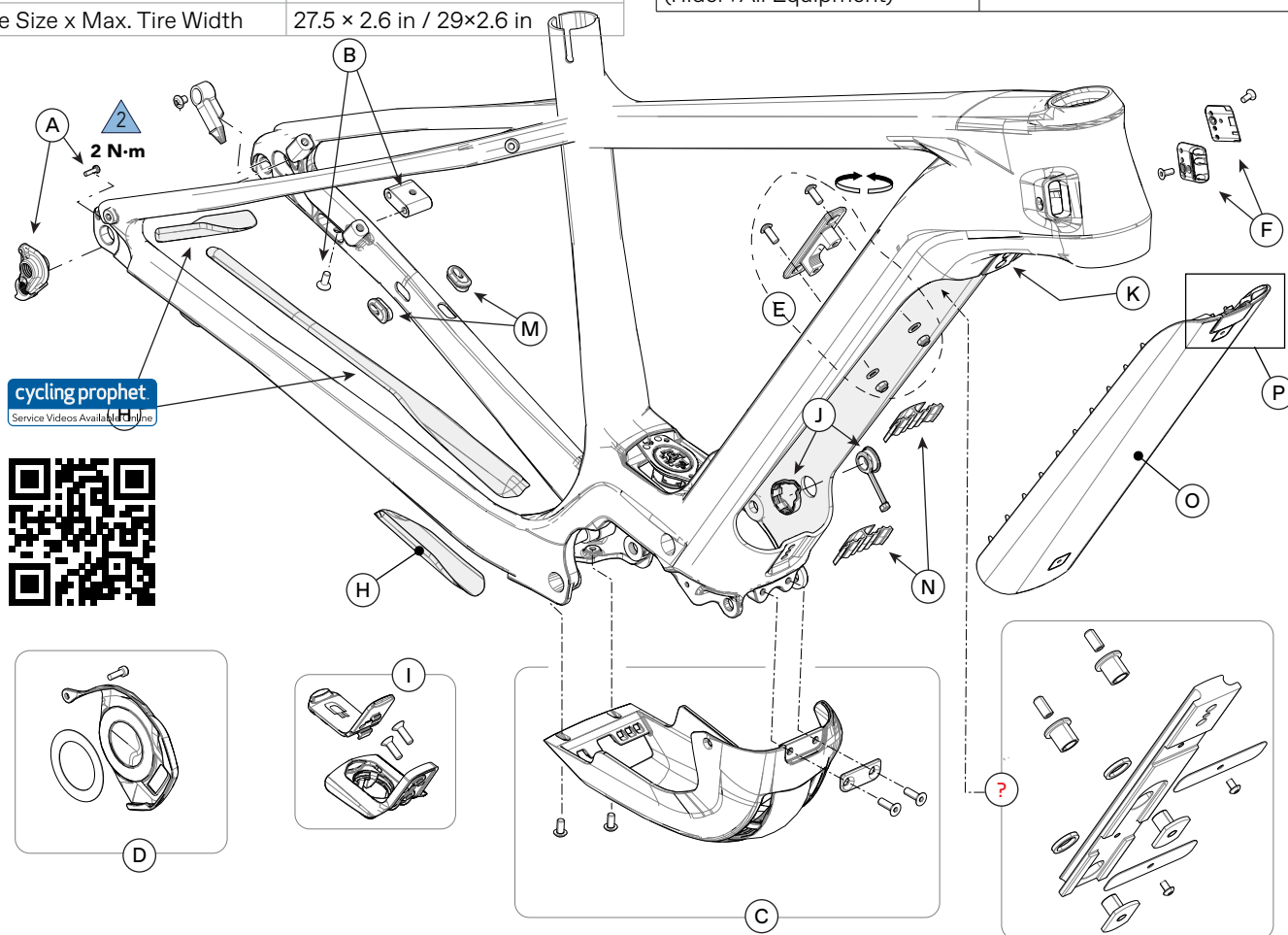
Canvas/Tesoro Neo X/Trail Neo

2021

Bosch Gen 4 625Wh

Item	Specification
Drive System	Bosch Performance Line CX Bosch Performance Line Speed
Battery	Bosch PowerTube 625wh
Drive-Assist Owner's Manual	https://www.bosch-ebike.com/
Head Tube	UPR: 1-1/8 in LWR: 1-1/2 in
Headset	Integrated 1-1/8 in - 1-1/2 in
Bottom Bracket: Type/Width	Bosch Drive Unit
Front Derailleur	N/A
Seat Post: Dia./Binder	31.6mm/34.9mm
▲ Min. Seat Post Insert	100mm
Seat post Maximum Insert	Check frame
Tire Size x Max. Tire Width	27.5 x 2.6 in / 29x2.6 in

Item	Specification
Brakes: Mount Type / Min./ Max. Rotor Dia.	Post Mount / 180 mm/203 mm
Axles: Type/Length	RR: Maxle TA/148x12 mm, 188 mm Overall Length FR: (Canvas Only): Maxle TA/110x15, 148 mm Overall Length
Intended Use	ASTM Condition 2, General Purpose Riding
Max. Weight Limit: Total (Rider+All Equipment)	330 lbs/150 kg
▲ Max. Weight Limit: Total (Rider+All Equipment)	305 lbs/ 138 kg



ID	Part Number	Description
A	CK3257U000S	Derailleur Hanger TA ST SS 015
B	K31010	Flip Chip Kickstand Bracket
C	K34080	Motor Skid Plate Hardtail v2
D	K34060	NDS Adhesive Motor Cover
E	K76080	DT Powerpack Flip Bracket
F	K32250	Modular Cable Guides 4-5-5 Qty 2
G	K3441110	Battery Cover DT Bottom Exit 625Wh BLK
H	K34340	E Hardtail CS SS Protectors
I	K76030	COB DT Battery Holder Bracket
J	K34140	Key Cover w/ Leash

ID	Part Number	Description
K	K76070	Battery Cover Mounting Washer Qty 1
L	K76081	Battery Rail DT Bottom Exit 625Wh
M	KP312/	Open Oval Grommet x10 (QTY 10)
N	K32040	DT Adhesive Cable Guide (QTY 3)
O	K34321	E-Hardtail Battery Cover Protector
P	K34150	DT Bottom Exit Latch v1.2

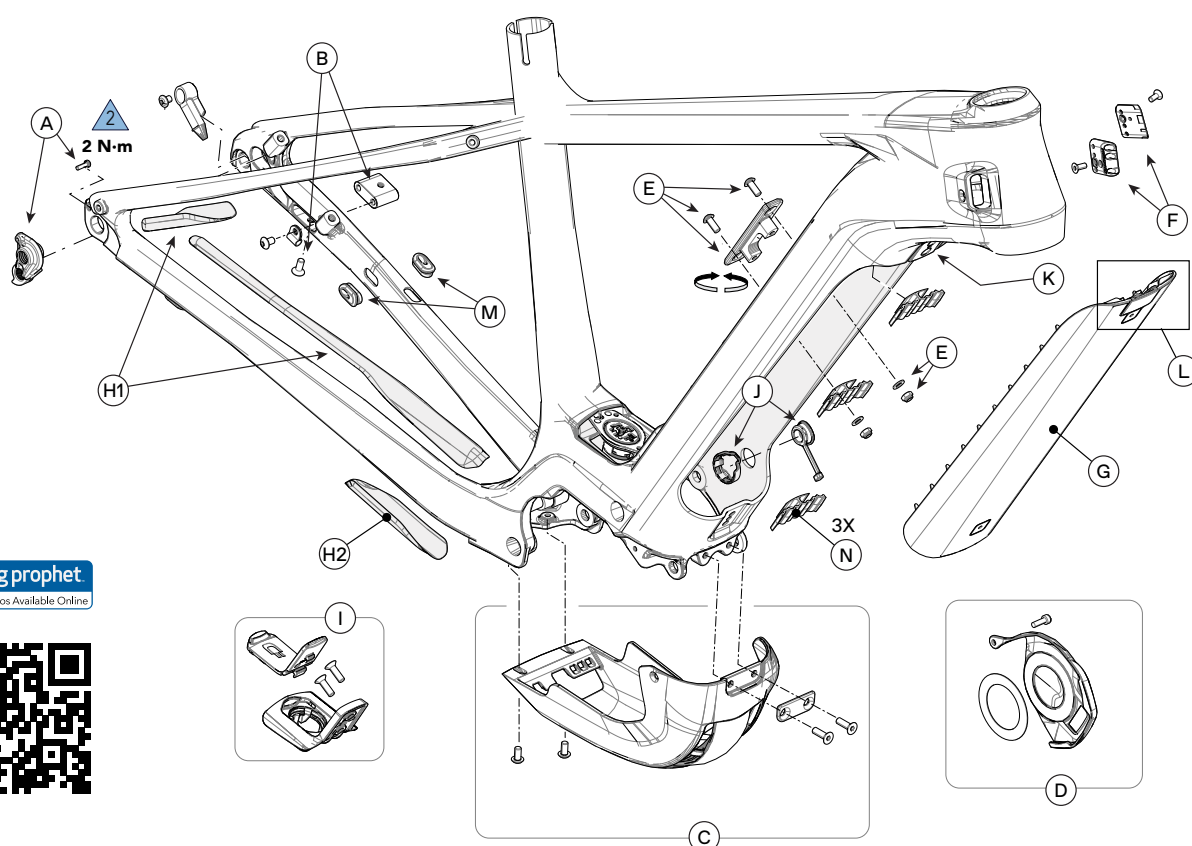
Canvas Neo/Tesoro Neo X/Trail Neo Performance

2020

Bosch Gen 4 Models

Item	Specification
Drive System	Bosch Performance Line CX
Battery	Bosch PowerTube 500wh
Drive-Assist Owner's Manual	https://www.bosch-ebike.com/
Head Tube	UPR: 1-1/8in LWR: 1-1/2in
Headset	Integrated 1-1/8in - 1-1/2in
Bottom Bracket: Type/Width	Bosch Drive Unit
Front Derailleur	N/A
Seat Post: Dia./Binder	31.6mm/34.9mm
▲ Min. Seat Post Insert	100mm
▲ Tire Size x Max. Tire Width	27.5 x 2.6in, 29x2.6in
▲ Max. Fork Length:	SM: 512mm MD, LG, XL: 531mm

Item	Specification
Brakes: Mount Type / Min./ Max. Rotor Dia.	Post Mount / 180mm/203mm
Axles: Type/Length	RR: Maxle TA/148x12mm, 188mm Overall Length
	FR (Canvas Only): Maxle TA/110x15, 148mm Overall Length
▲ Intended Use	ASTM Condition 2, General Purpose Riding
▲ Max. Weight Limit Total (Rider+All Equipment):	330lbs/150kg



cycling prophet
Service Videos Available Online



ID	Part Number	Description
A	CK3257U000S	Derailleur Hanger TA ST SS 015
B	K31010	Flip Chip Kickstand Bracket
C	K34080	Motor Skid Plate Hardtail v2
D	K34060	NDS Adhesive Motor Cover
E	K76080	DT Powerpack Flip Bracket
F	K32250	Modular Cable Guides 4-5-5 (QTY 2)
G	K3416010	Battery Cover DT Bottom Exit v1.2 BPL
	K3416020	Battery Cover DT Bottom Exit v1.2 GRA
	K3416030	Battery Cover DT Bottom Exit v1.2 MAT

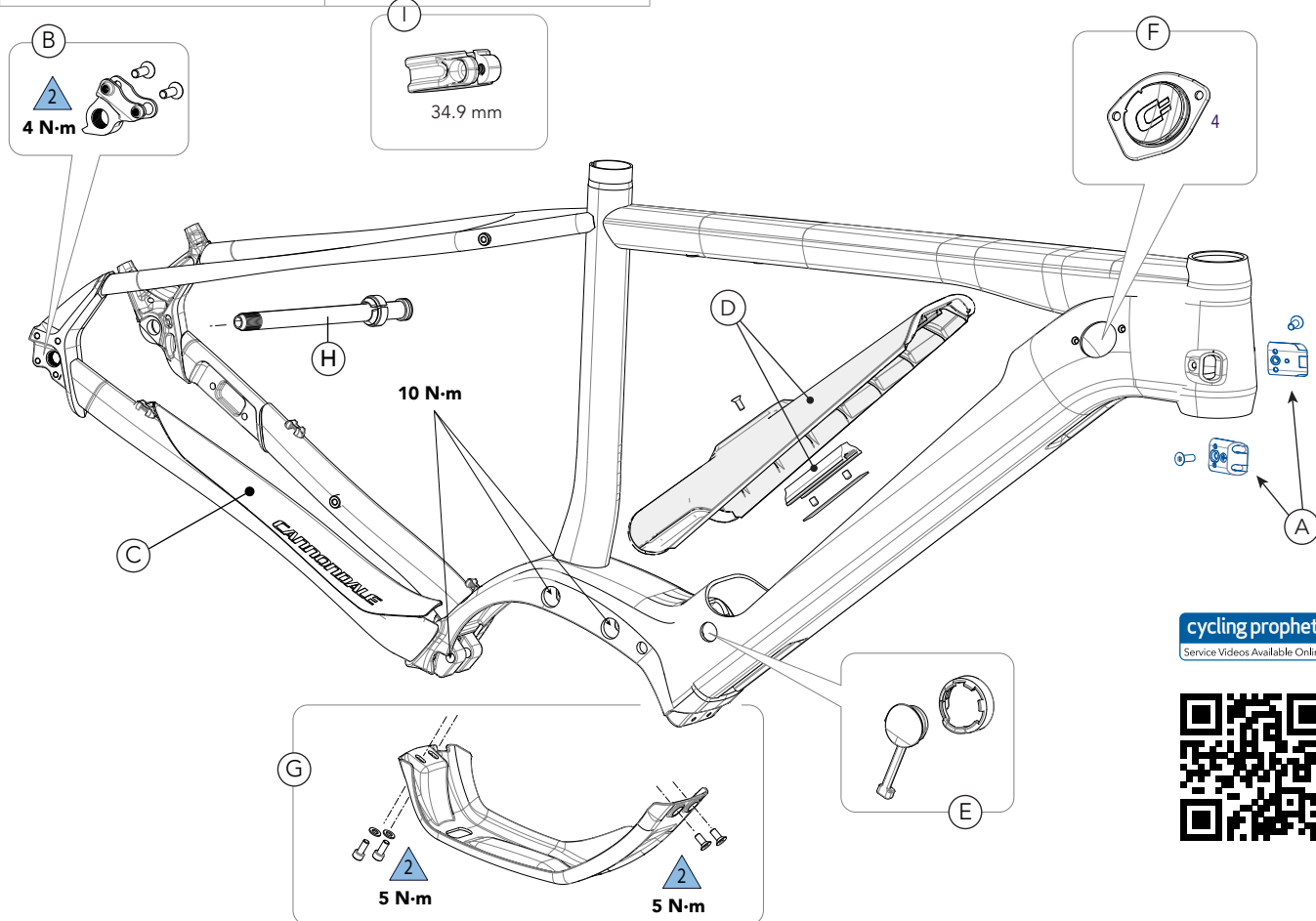
ID	Part Number	Description
G	K3416040	Battery Cover DT Bottom Exit v1.2 GRY
	K3416050	Battery Cover DT Bottom Exit v1.2 BLK
	K3416060	Battery Cover DT Bottom Exit v1.2 MTG
H1	K34340	E Hardtail CS SS Protectors
H2	K34230	E-Hardtail CS Lower Protector
I	K76030	COB DT Battery Holder Bracket
J	K34140	Key Cover w/ Leash
K	K76070	Battery Cover Mounting Washer (QTY 1)
L	K34150	DT Bottom Exit Latch v1.2
M	KP312/	Open Oval Grommet x10 (QTY 10)
N	K32040	DT Adhesive Cable Guide (QTY 3)

Canvas Neo/Tesoro Neo X/Trail Neo Performance

Bosch Gen 2/3 Models

Item	Specification
Drive System	Bosch Performance CX Bosch Active Line Plus
Battery	Bosch Powertube 500Wh
Drive-Assist Owners Manual	https://www.bosch-ebike.com
Head Tube	UPR: 1-1/8 in LWR: 1-1/2 in
Headset	Integrated, 1-1/8in - 1-1/2 in
Bottom Bracket: Type/ Width	Bosch Drive Unit
Front Derailleur	N/A
Seat Post: Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	100 mm

Item	Specification
▲ Tire Size x Max. Width	29 in x 2.6 in
▲ Max. Fork Length:	530 mm
Chain Guide	N/A
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Post Mount / 160 mm / 203 mm
Axles: Type / Length	RR: Syntace TA / 148 x 12 mm
▲ Intended Use	ASTM Condition 2, General Purpose Riding
▲ Max. Weight Limit Total (Rider+All Equipment):	330 lbs / 150 kg



cycling prophet
Service Videos Available Online



ID	Part Number	Description
A	KP456/	Modular Cable Guides Headtube
B	KP173/	Derailleur Hanger TA ST DS 026
C	CK3618U000S	NEO Chain Stay Protector
D	K3420910	Battery Cover DT Top Exit BLK
	K3420940	Battery Cover DT Top Exit SGY
E	K34249	Battery Key Seal

ID	Part Number	Description
F	K34159	Charge Port Cover PT
G	K34309	Motor Skid Plate Hardtail
H	K83078	Syntace X-12 Thru Axle 148 x 12 168 mm
I	KP388/	Seatbinder MTN Bolt 34.9
--	K34329	Gen 3 Motor Covers

SuperSix EVO Neo

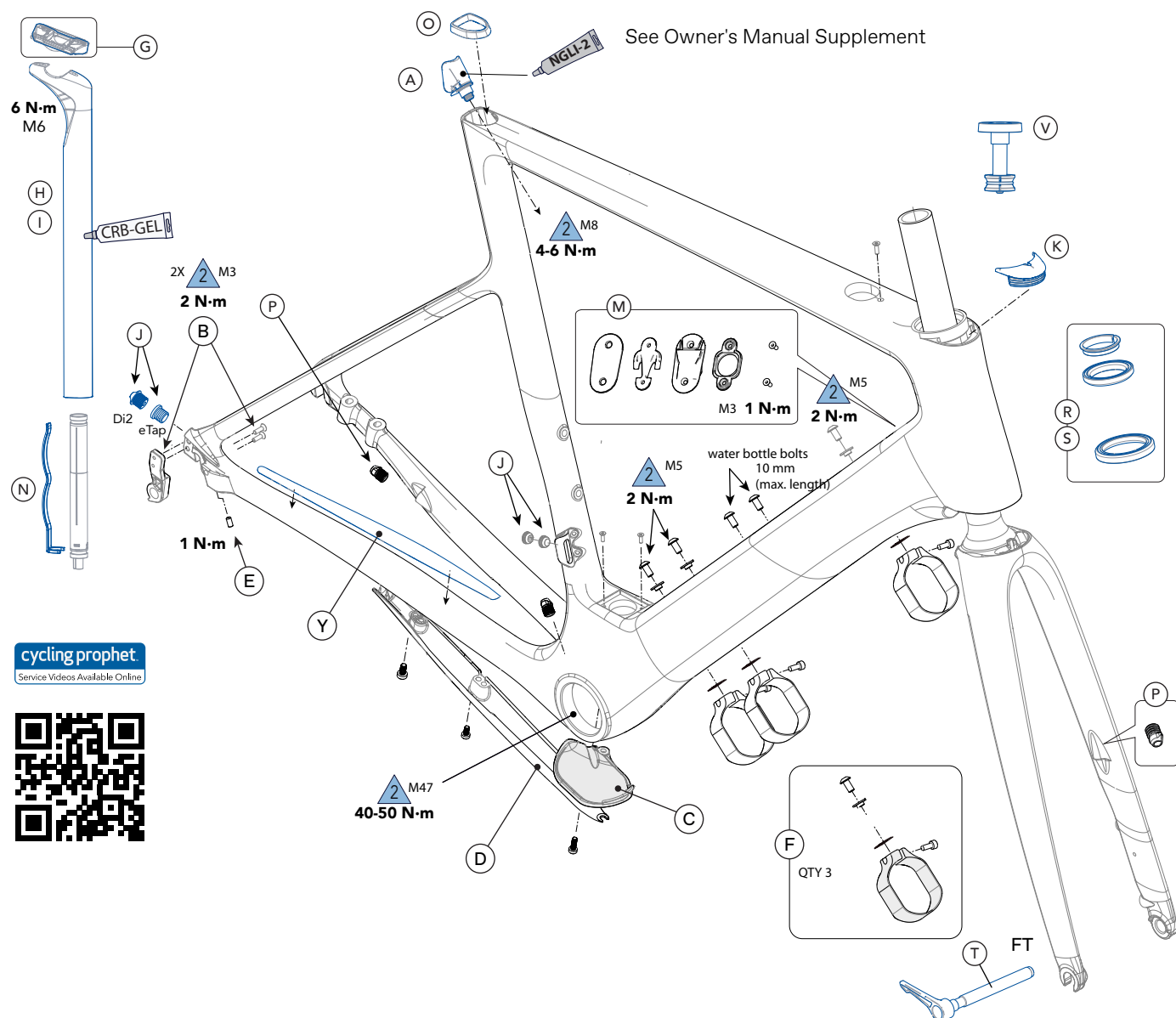
2020 - 2021

MAHLE ebikemotion® X35 Models

Item	Specification
Drive System	E-Bike Motion X35 M1-C
Battery	E-Bike Motion X35 B1-C
Drive-Assist Owner's Manual	https://www.ebikemotion.com/web/
Head Tube	SM, MD: 1-1/8 in - 1-1/4 in LG: 1-1/8 in - 1-3/8 in
Headset	SM, MD: Integrated, 1-1/8 in - 1-1/4 in LG: Integrated, 1-1/8 in - 1-3/8 in
Bottom Bracket: Type/Width	T47/73 mm
Front Derailleur	Braze-On
Seat Post: Dia./Binder	27 KNØT/Internal Wedge
▲ Min. Seat Post Insert	65 mm
Max. Seat Post Insert	Measure, see Owner's Manual Supplement
▲ Tire Size x Max. Tire Width	700c x 26mm
Brakes: Mount Type / Min./Max. Rotor Dia.	RR: Flat Mount/160 mm/160 mm FR: Flat Mount/140 mm/160 mm
Axles: Type/Length	RR: EBM X35 Axle FR: Speed Release TA Double Lead/100×12mm/119 mm Length
▲ Intended Use	ASTM CONDITION 1: High Performance Road
▲ Max. Weight Limit: Total (Rider+All Equipment)	285 lbs/129kg

SuperSix EVO Neo

2020 - 2021

MAHLE ebikemotion® X35 Models


ID	Part Number	Description
A	K26030	S6 EVO Internal Seat Binder
B	K33050	Derailleur Hanger BT ST SS 077
C	K34100	S6 EVO Neo Battery Door
D	K34120	NDS CS Power Cable Protector
E	K33080	Dropout Bolts M4×10mm Qty 2
F	K76050	X35 Battery Straps and Mounting Hardware
G	K26050	KNOT 27 Rail Clamps and Hardware
H	K2601000	HG 27 KNØT CRB SEATPOST 330MM 0 O/SET
	K2601015	HG 27 KNØT CRB SEATPOST 330MM 15 O/SET
I	K2602015	C1 27 KNØT ALLOY SEATPOST 330MM 15 O/SET
J	K32270	S6 EVO Neo DownTube Cable Guide
K	K32030	S6 Evo Rim Di2 Headtube Wire Guide

ID	Part Number	Description
L	K32170	S6 EVO Frame Grommets
M	K32280	Dropout Di2 and Wireless Plugs 5.5mm
N	K32180	KNOT 27 Di2 Battery Mount
O	K26070	Seatpost Silicone Grommet
P	KP449/	Rubber Brake Housing Grommets
Q	K76060	COB and Iwok Mounting Bolts
--	K28000	S6 EVO Stem Spacers
T	K83019	Speed Release TA 100×12 2Lead P1.0 119L
V	K35058	SL Compression Plug with Top Cap
R	K35028	1 1/4 Crb Headset No Crown Race
S	K35038	1 3/8 Crb Headset No Crown Race

See also : "MAHLE ebikemotion® X35" common parts page.

Standard & Remixte

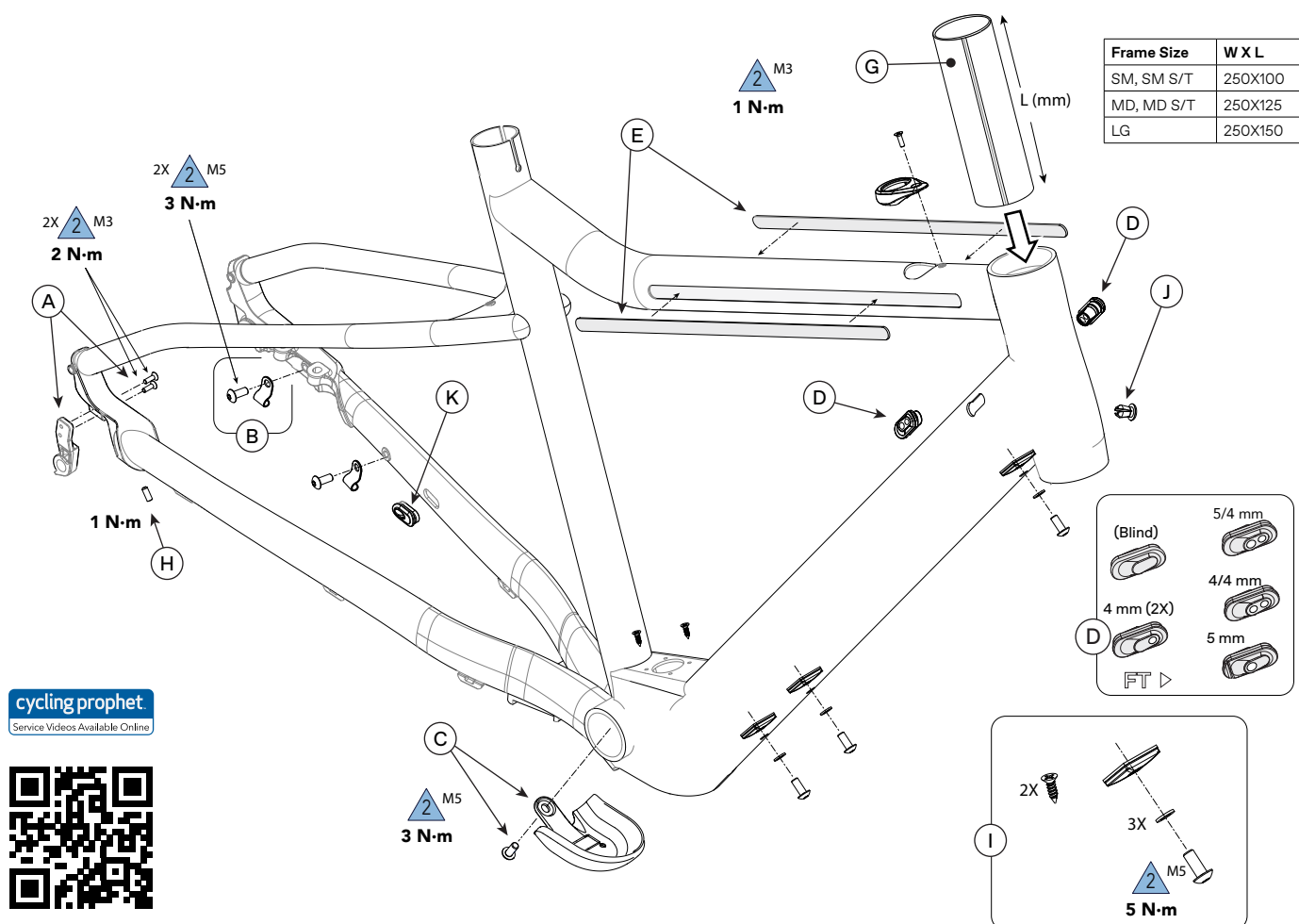
Treadwell Neo

2020 - 2021

MAHLE ebikemotion® X35 Models

Item	Specification
Drive System	E-Bike Motion X35 M1-C
Battery	E-Bike Motion X35 B1-C
Drive-Assist Owner's Manual	https://www.ebikemotion.com/web/
Head Tube	UPR: 1-1/8in LWR: 1-1/8in
Headset	Semi-integrated, 1 1/8in -1 1/8in
Bottom Bracket: Type/Width	BSA/73mm
Front Derailleur	N/A
Seat Post: Dia./Binder	31.6mm/34.9mm

Item	Specification
▲ Min. Seat Post Insert	65mm
▲ Tire Size x Max. Tire Width	650b x 48mm
Brakes: Mount Type / Min./Max. Rotor Dia.	RR: Flat Mount/160mm/160mm, FT: Flat Mount/140mm/160mm
Axles: Type/Length	RR: EBM X35 FR: QR /100 x 9mm"
▲ Intended Use	ASTM CONDITION 2: General Purpose Riding
▲ Max. Weight Limit: Total (Rider+All Equipment)	305lbs/138kg



ID	Part Number	Description
A	K33050	Derailleur Hanger BT ST SS 077
B	K32240	NDS EBM Cable Clips (QTY 2)
C	K34030	Alloy Frame Battery Door
D	K32000	Shift/Brake Keyhole Grommets
E	K34000	Treadwell Top Tube Scuff Guard
F	K32230	Treadwell Neo Bezel
G	K34020	HT Plastic Cable Sheet
H	K33080	Dropout Bolts M4x10mm (QTY 2)
I	K76040	X35 Battery/Charge Mounting Hardware
J	K34090	DT Light Cable Grommet

ID	Part Number	Description
K	KP312/	Open Oval Grommet x10 (QTY 10)
--	K13000	Treadwell Front Rack w/ Bamboo Tray
--	K14040	Herrmans H-Trace E-Bike Rear Light
--	K21000	Cruise Control Handlebar 740 x 31.8mm
--	K83038	Ratchet Lever Maxle 100x12 125mm

See also : "MAHLE ebikemotion® X35" common parts page.

MAHLE ebikemotion® X35

2020

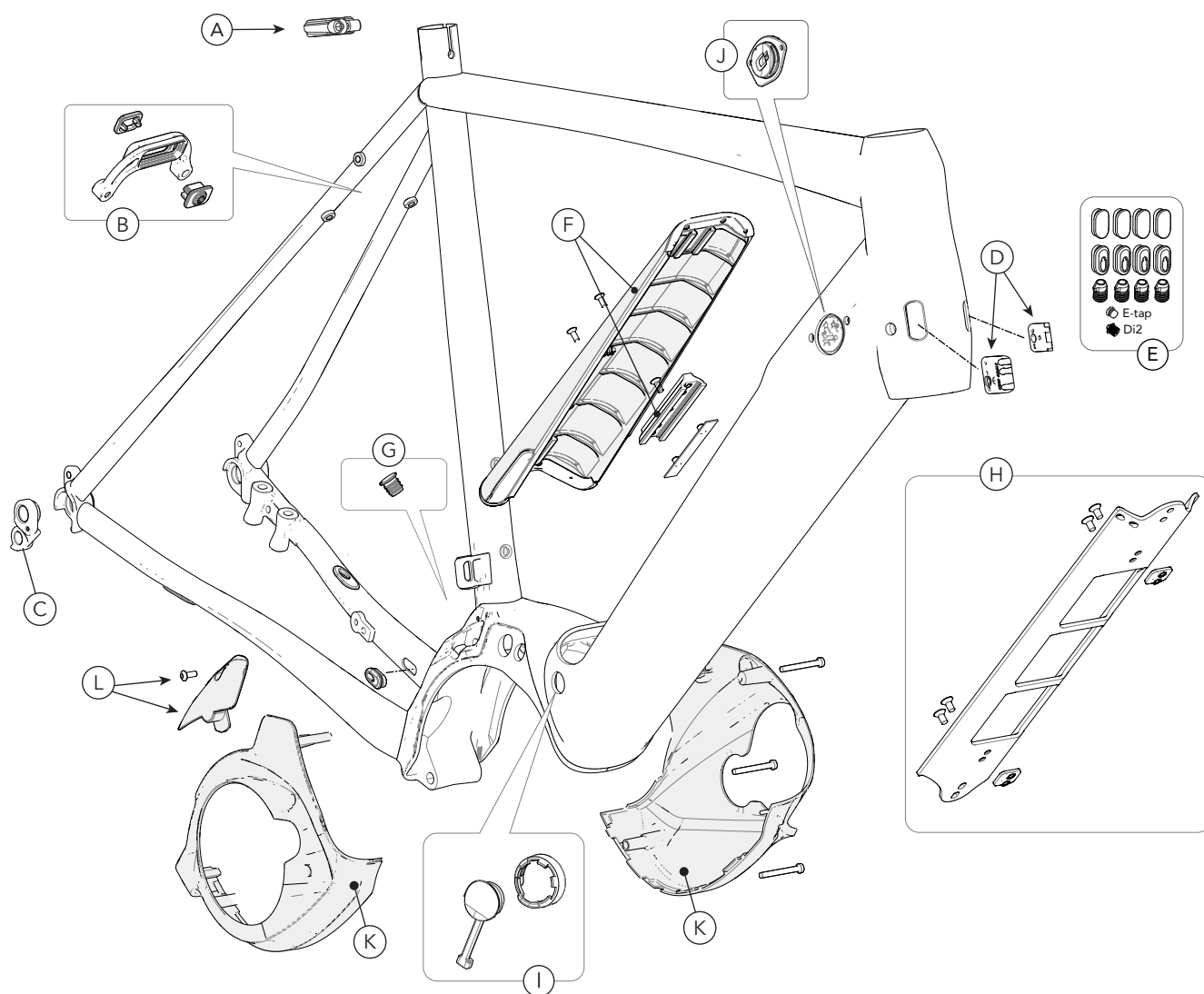
**OE Service And Replacement Parts Common To Bikes Equipped with
MAHLE Ebikemotion® X35 Drive System:**

Cannondale Part Number	Cannondale Part Description
K71000	EBM X35 B1-C Battery -6,9A
K74000	EBM Charger-C Without Wire - MDA
K74010	EBM Charging Point - Round Conn.
K75000	EBM Charger Wire For Europe
K75010	EBM Charger Wire For UK
K75020	EBM Charger Wire For USA Canada
K75030	EBM Charger Wire For Australia
K72000	EBM Hub Motor Drive Unit-M1-C UE
K72010	EBM Hub Motor Drive Unit-M1-C US
K76110	EBM Holder One - Curved
K76120	EBM Holder One - Flat
K76130	EBM Freewheel Nut
K76140	EBM Magnet Lock Nut
K76150	EBM Motor Lock Nut
K76160	EBM Torque Washer Nut
K76170	EBM Shield M1
K73000	EBM iWoc One Remote
K77000	EBM PAS Sensor B-Round Conn.
K71010	EBM External Battery SP1 Holder Wire
K77010	EBM Wire L2 (Head+Rear)
K92000	EBM Tool X35 GCU
K92010	EBM Tool DUC Extension Wire With Diode
K92020	EBM Tool USB Stick
K92030	EBM X35 Tool Kit

Synapse NEO / Quick NEO

Item	Specification
Drive System	Bosch Active Line Plus
Battery	Bosch Powertube 500 Wh
Drive-Assist Owners Manual	https://www.bosch-ebike.com
Head Tube	UPR: 1 -1/8 in, LWR: 1-1/2 in
Headset	Integrated, 1-1/8 in - 1-1/2 in
Bottom Bracket: Type/ Width	Bosch Drive Unit
Front Derailleur	Brazed-on, Down-Swing
Seat Post: Dia./Binder	25.4 mm / 28.6 mm
▲ Min. Seat Post Insert	90 mm
▲ Tire Size x Max. Width (measured)	Quick NEO: 700c x 35 mm Synapse NEO: 700c x 35 mm , Synapse NEO SE NEO: 650b x 47 mm

Item	Specification
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Flat Mount / 140 mm / 160 mm FT: Flat Mount / 140 mm / 160 mm
Axle: Type/Length	FT: Maxle TA 100 x 12 mm, 125 mm RR: Syntace TA 142 x 12 mm, 160 mm
Ai Offset:	Drivetrain: 6 mm offset
▲ Intended Use	ASTM CONDITION 2: General Purpose Riding
▲ Max. Weight Limit Total (Rider+All Equipment):	330 lbs / 150 kg



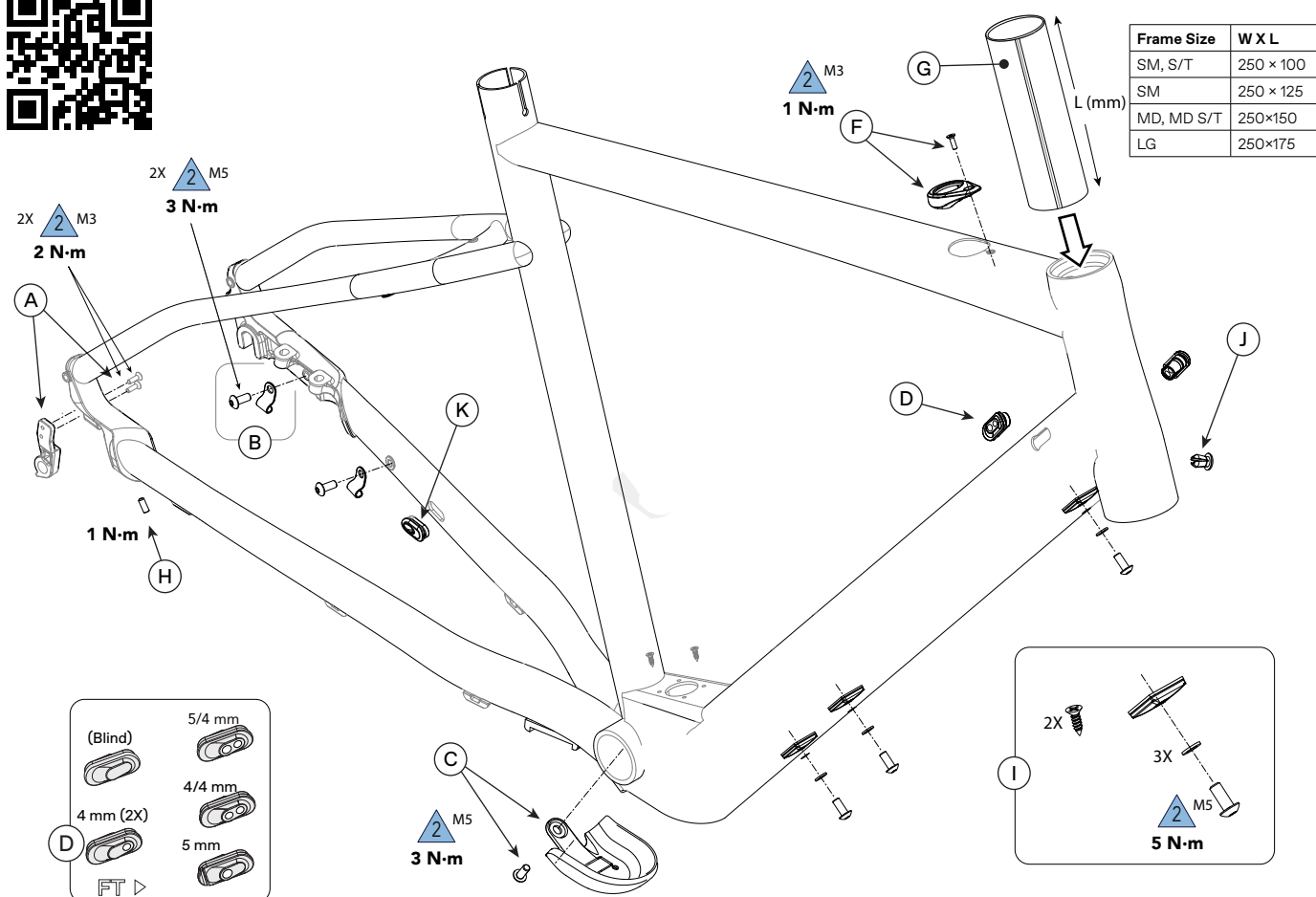
ID	Part Number	Description	SYNAPSE	QUICK
A	K26159	Seatbinder Bolt Type 28.6 mm	✓	✓
B	CK1168U10OS	Adjustable Fender Bridge BLK	✓	✓
C	K33049	Derailleur Hanger TA ST SS 073	✓	✓
D	KP436/	Modular Cable Guides HT DT BB	✓	✓
E	K32048	Shift and Brake Grommets	✓	✓
F	K3420940	Battery Cover DT Top Exit SGY	✓	✓
	K3420910	Battery Cover DT Top Exit BLK	✓	✓
G	K32079	Blank Frame Plugs QTY 3	✓	✓
H	K34219	DT Battery Rail	✓	✓
I	K34249	Battery Key Seal	✓	✓
J	K34159	Charge Port Cover PT	✓	✓
K	K3416910	Motor Covers w/ Hardware BLK	✓	✓
	K3416940	Motor Covers w/ Hardware SGY	✓	
L	K3422930	Motor Node 1x Cover SGY	✓	
	K3422910	Motor Node 1x Cover BLK		✓

Quick Neo SL

Item	Specification
Drive System	E-Bike Motion X35 M1-C
Battery	E-Bike Motion X35 B1-C
Drive-Assist Owner's Manual	https://www.ebikemotion.com/web/
Head Tube	UPR: 1-1/8in, LWR: 1-1/4in
Headset	Integrated, 1-1/8in - 1-1/4in
Bottom Bracket: Type/Width	BSA/73mm
Front Derailleur	N/A
Seat Post: Dia./Binder	31.6mm/34.9mm
▲ Min. Seat Post Insert	65mm

Item	Specification
▲ Tire Size x Max. Tire Width	700c x 42mm
Brakes: Mount Type / Min./Max. Rotor Dia.	RR: Flat Mount/160mm/160mm, FT: Flat Mount/140mm/160mm
Axles: Type/Length	RR: EBM X35 FR: Maxle TA/ 100x12 125mm length
▲ Intended Use	ASTM CONDITION 2: General Purpose Riding
▲ Max. Weight Limit: Total (Rider+All Equipment)	305lbs/138kg

cycling prophet
Service Videos Available Online

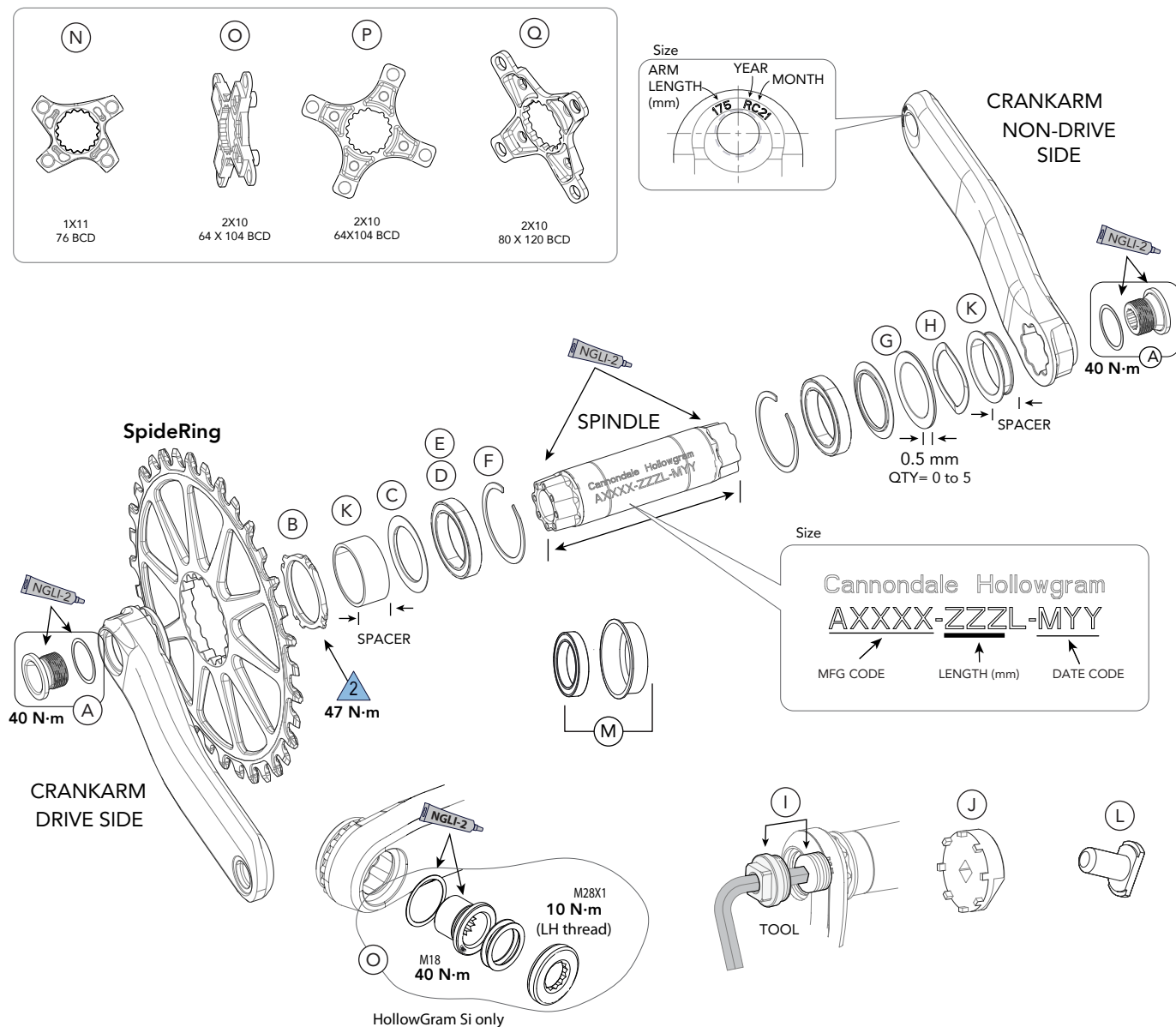


ID	Part Number	Description
A	K33050	Derailleur Hanger BT ST SS 077
B	K32240	NDS EBM Cable Clips Qty 2
C	K34030	Alloy Frame Battery Door
D	K32000	Shift/Brake Keyhole Grommets
G	K34020	HT Plastic Cable Sheet
H	K33080	Dropout Bolts M4x10mm Qty 2

ID	Part Number	Description
I	K76040	X35 Battery/Charge Mounting Hardware
J	K34090	DT Light Cable Grommet
K	KP312/	Open Oval Grommet x10 (QTY 10)
--	K14040	Herrmans H-Trace E-Bike Rear Light
--	K83038	Ratchet Lever Maxle 100x12 125mm

HollowGram Mountain Cranksets 2019-2021

SPIDERS



Small Parts & Service Tools

ID	Part Number	Description
A	KP251/BLK	Crank Bolts HGRM SiSL2 BLK (QTY 2)
B	KP021/	Lockring SL
C	KP249/BLK	Bearing Shield, BB-SL2
D	KB6180/	BB30 Bearing Blue (QTY 2)
E	K22037	BB30 Bearing Blue (QTY 24)
F	QC616/	BB Si Circlips (QTY 2)
G	QC617/	Shims Plastic BB Si (QTY 5)
H	QC618/	Wave Washer BB Si

ID	Part Number	Description
I	KT013/	Hollowgram Crank Extractor Tool
J	KT012/X	Lock Ring Si Tool
K	KP484/	Hollowgram Mountain Spacers
L	KT011/	BB30 Bearing Removal Tool
M	KP197/SRM	PF30 Bottom Bracket Cups And Bearings
O	K22101	HG Self-Extracting Cap+Bolt (QTY 2)

NOTE: DRIVE-SIDE and NON-DRIVE SIDE SPACERS are not available individually. They are sold in the complete BB and spacer kits.

HollowGram Mountain Cranksets 2019-2021

Complete BB Kits

Part Number	Description	2020					
K22108	Complete BB/PF30 73/83 × 137	Platform	BB Type	BB Width (mm)	Spacer Width (mm)		Standard or Ai Chainring
		F-Si	PF30	83	Drive	Non-Drive	Ai
		Habit Carbon	PF30	83	9.1	14.1	Ai
		Jekyll Alloy	BB30	83	9.1	14.1	Ai
		Jekyll Carbon	PF30	83	9.1	14.1	Ai
		Scalpel-Si	PF30	83	9.1	14.1	Ai

Spindles

Part Number	Spindle Length (mm)	Spindle Color
KP308/	137L	Black 

Crankarms

Arm Length (mm)	Drive Side			Non-Drive		
	Hollowgram SiSL2	Hollowgram Si	Cannondale One	Hollowgram SiSL2	Hollowgram Si	Cannondale One
165	x	CP2011U1065	K2204065	x	CP2011U1065	K2205065
170	K2206070	CP2011U1070	K2204070	K2207070	CP2011U1070	K2205070
172.5	K2206072	CP2011U1072	K2204072	K2207072	CP2011U1072	K2205072
175	K2206075	CP2011U1075	K2204075	K2207075	CP2011U1075	K2205075

SpideRings

Part Number	SpideRing Ring Type	Description	Chainline (mm)	Arm #
CU4041SI30	30T	SpideRing SI 30T X-Sync	52	10-Arm
CU4041SI32	32T	SpideRing SI 32T X-Sync	52	10-Arm
CU4041AI30	30T 	SpideRing SI 30T X-Sync Ai Offset	54.5	10-Arm
CU4041AI32	32T 	SpideRing SI 32T X-Sync Ai Offset	54.5	10-Arm
CU4041AI34	34T 	SpideRing SI 34T X-Sync Ai Offset	54.5	10-Arm
KP405/	30T (Fat CAAD only)	SpideRing Fat CAAD 30T	75	10-Arm

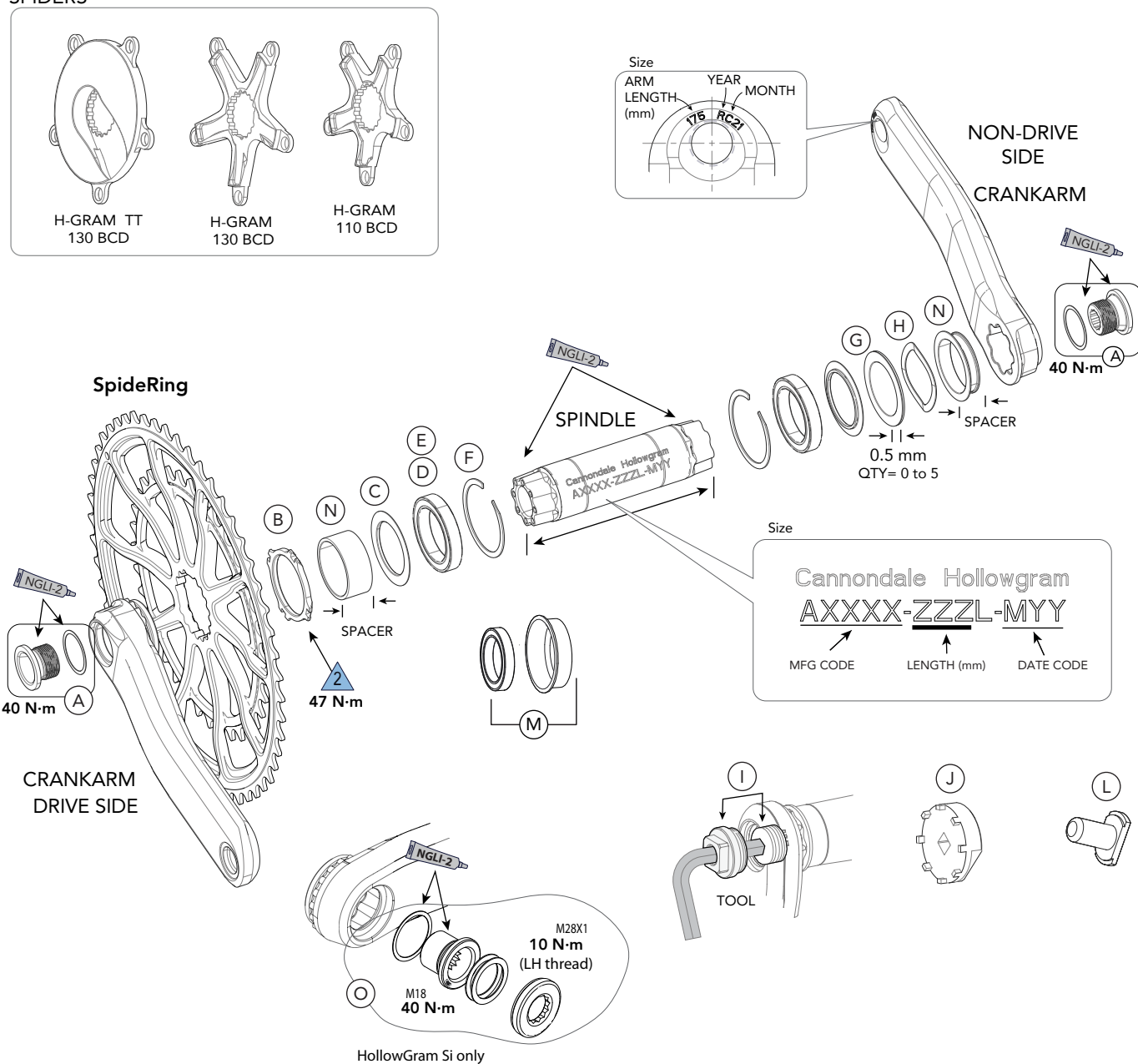
Spiders

ID	Part Number	Spider BCD	Spider Description
N	KP354/	76 BCD 	SPIDER SI MTN XX1 AI, 1X11
O	KP352/	64/104 BCD 	SPIDER SI MTN SRAM 4 BOLT AI, 2X10
--	KP296/	76 BCD	SPIDER SI MTN XX1 1X11
P	KP241/	64/104 BCD	SPIDER SI MTN SRAM 4 BOLT, 2X10
Q	KP128/	80/120 BCD	SPIDER SI MTN SRAM 4 BOLT, 2X10

HollowGram Road Cranksets

2019-2021

SPIDERS



Small Parts & Service Tools

ID	Part Number	Description
A	KP251/BLK	Crank Bolts HGRM SiSL2 BLK (QTY 2)
B	KP021/	Lockring Si
C	KP249/BLK	Bearing Shield, BB-SL2
D	KB6180/	BB30 Bearing Blue (QTY 2)
E	K22037	BB30 Bearing Blue (QTY 24)
F	QC616/	BB Si Circlips (QTY 2)
G	QC617/	Shims Plastic BB-Si (QTY 5)
H	QC618/	Wave Washer BB-Si
I	KT013/	Hollowgram Crank Extractor Tool
J	KT012/X	Lock Ring Si Tool

ID	Part Number	Description
L	KT011/	BB30 Bearing Removal Tool
M	KP197/SRM	PF30 Bottom Bracket Cups And BRGS
N	KP483/	Hollowgram Road Spacers
O	K22101	HG Self-Extracting Cap+Bolt (QTY 2)

HollowGram Road Cranksets

2019-2021

Complete BB Kits

Part Number	Description	2020					
		Platform	BB Type	BB Width (mm)	Spacer Width (mm)		Standard or Ai Chainring
KP248/	Complete PF30 68/73 × 109	CAAD13	BB30A	73	2.6	2.5	Standard
		CAADX	BB30	68	2.6	7.5	Standard
		SuperSlice	PF30A	73	2.6	2.5	Standard
		SystemSix	PF30A	73	2.6	2.5	Standard
		SuperSix EVO	PF30A	73	2.6	2.5	Standard
		Synapse Alloy	BB30	68	2.6	7.5	Standard
		Synapse Carbon	BB30A	73	2.6	2.5	Standard
KP452/	Complete BB, 119,  Super X, 1X Chainring	SuperX Topstone Carbon	PF30A	83	2.6	1X - 2.5	Standard
KP453/	Complete BB, 125,  Super X, 2X Chainring	SuperX Topstone Carbon	PF30A	83	5.6	2X - 5.5	Standard

Spindles

Part Number	Spindle Length (mm)	Spindle Color
KP250/	109L	Green  or Silver 
KP450/	119L 	Purple 
KP451/	125L 	Orange 

Crankarms

Arm Length (mm)	Drive Side			Non-Drive		
	Hollowgram SiSL2	Hollowgram Si	Cannondale One	Hollowgram SiSL2	Hollowgram Si	Cannondale One
165	x	CP2011U1065	K2204065	x	CP2011U1065	K2205065
170	K2206070	CP2011U1070	K2204070	K2207070	CP2011U1070	K2205070
172.5	K2206072	CP2011U1072	K2204072	K2207072	CP2011U1072	K2205072
175	K2206075	CP2011U1075	K2204075	K2207075	CP2011U1075	K2205075

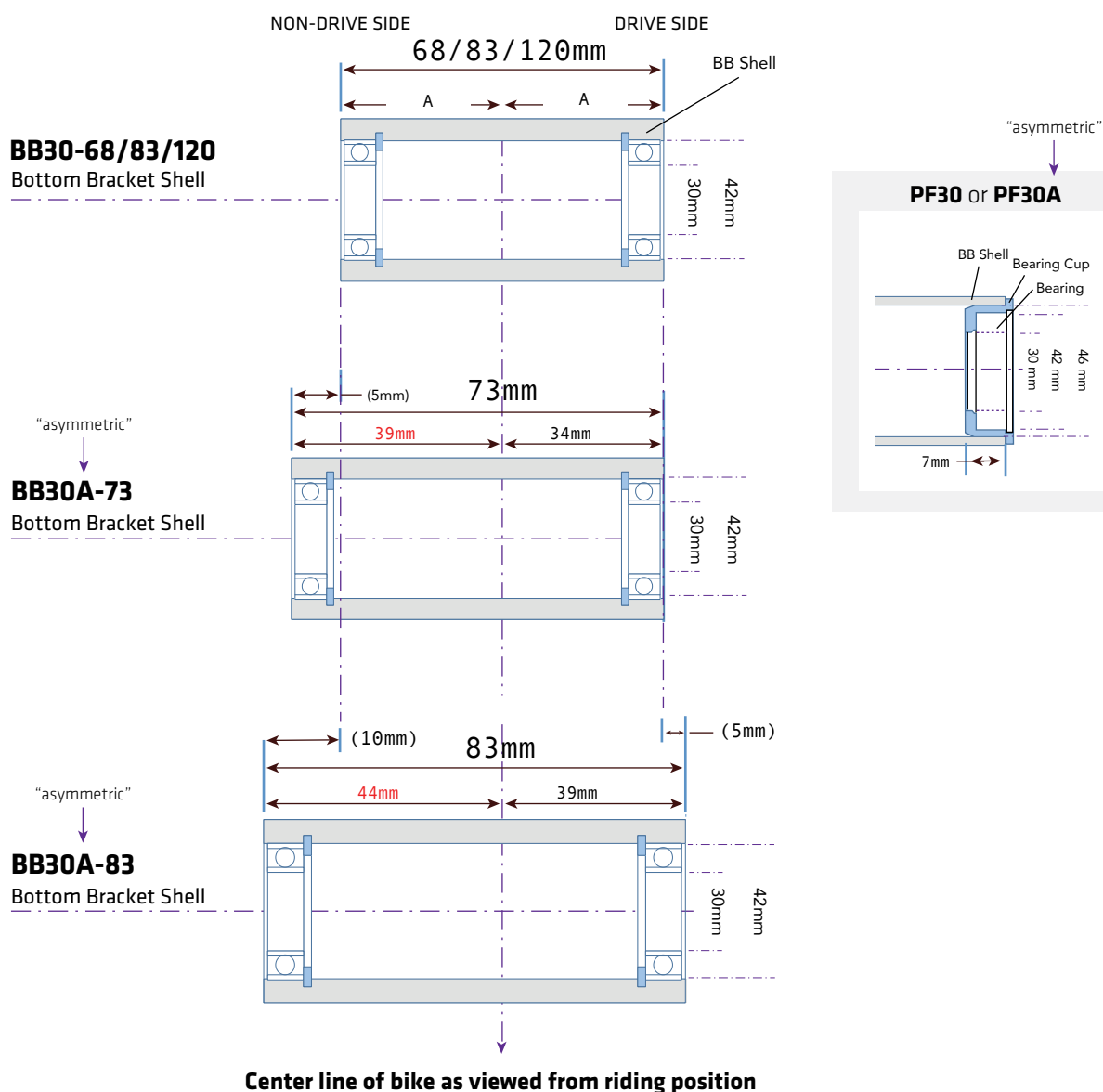
SpideRings

Part Number	SpideRing Ring Type	Description	Arm #
KP244/	39/53	SpideRing SL	10-ARM
KP408/	36/52	SpideRing	8-ARM
CU4042SI52	36/52	SpideRing SL	10-ARM
KP245/	34/50	SpideRing SL	10-ARM
KP407/	34/50	SpideRing	8-ARM
CU4041SI40	40T	SpideRing SL	10-ARM
CU4041SI44	44T	SpideRing SL	10-ARM
CP2319U100S	30/46	SpideRing	8-ARM

Spiders

Part Number	Spider BCD	Spider Description
KP137/	AERO 130 BCD	Spider Hollowgram Aero 130 Bcd
QC694/	130 BCD	Spider Hollowgram Si 130 Bcd
QC693/	110 BCD	Spider Hollowgram Si 110 Bcd
K22118	120/90 BCD	Spider Hollowgram Si 120/90 BCD

Bottom Brackets



Category	Road				Mtn		Fat	
Si BB Type /Shell Width	BB30-68	BB30A-73 PF30A - 73	PF30A-83		BB30-73 PF30-73	BB30-83 PF30-83	BB30-120	
Si Spindle Length	109	109	119	125	137	137	160	166
BB Shell Width	68	73	83	83	73	83	120	120
Asymmetric? No/Yes	NO	YES	YES	YES	NO	NO	NO	NO
BB Shell Center - Left (Non-Drive) **	34	39	44	44	36.5	41.5	60	60
BB Shell Center Right (Drive) **	34	34	39	39	36.5	41.5	60	60
Spacer Left (Non-Drive)	7.5	2.5	2.5	5.5	19	14	7.5	10
Spacer Right (Drive)	2.6	2.6	2.6	5.6	14.1	9.1	none	5.1

All Dimension In Millimeters (mm).

** This dimension relative to the BB shell itself, not the center line of the bike

Required Maintenance

Required maintenance items noted in the following tables must be followed. The items listed are based upon expected normal riding conditions and an average rider. All the items shown must be completed as directed and within the time frame noted. Performing the required maintenance is necessary for detecting/preventing damage and maintaining the safe operating condition of the product. It is also required to meet the conditions of the applicable limited warranty.

Lefty Ocho

SERVICE ITEM	FREQUENCY **	PERFORMED BY
Damage Inspection	Before Every Ride	Owner
Check Fastener Torque	First Ride/Every 4-5 Rides	Owner
Manual Reset	50 Hours	Owner
100-Hour Service (Telescope Lubrication, Air Spring Service, Damper Inspection)	Every 100 Hours/Annually	Authorized Cannondale Dealer or Authorized Headshok Service Center
Full Service (Telescope Rebuild, Air Spring Service, Damper Service)	Every 200 Hours/Bi-annually	Authorized Headshok Service Center or Factory Tech Room

Headshok DL50

SERVICE ITEM	FREQUENCY **	PERFORMED BY
Damage Inspection	Before Every Ride	Owner
Boot Inspection	Before Every Ride	Owner
Clean/Re-Grease Telescope	Every 25 Hrs	Authorized Cannondale Dealer
Needle Bearing Reset	Every 25 Hours	Authorized Cannondale Dealer
Service Spring /Damper System Inspection	Every 100 Hours	Authorized Cannondale Dealer
Professional Service	Annually (minimum)	Authorized Headshok Service Center or Factory Tech Room

PLEASE NOTE:

** Shorter service intervals are recommended for riders seeking the highest possible performance or who experience the following situations:

- High frequency of riding
- Adverse conditions while riding
- Bicycle storage in an area of high humidity, large temperature changes or outdoor conditions

Troubleshooting

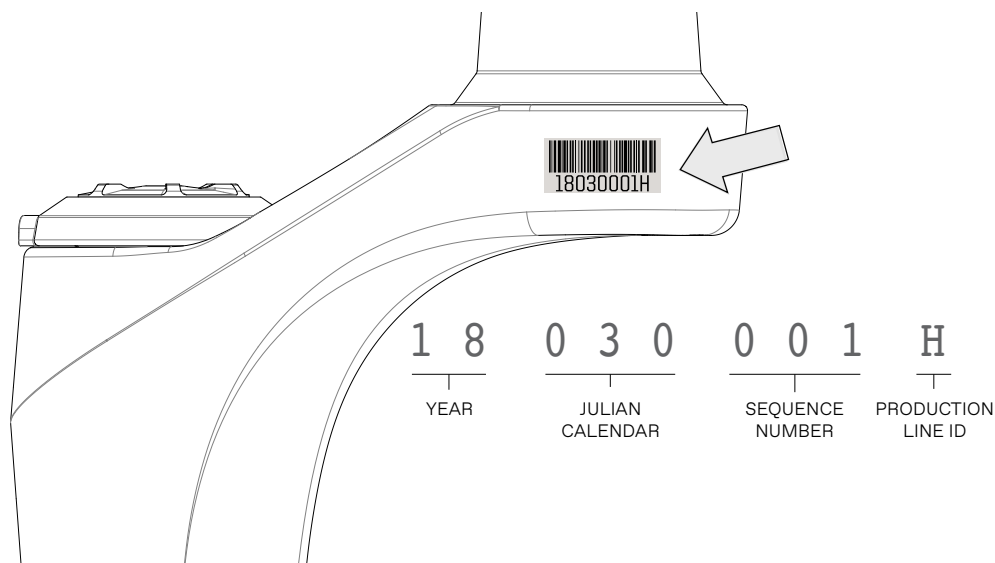
Lefty Ocho

Symptom	Cause	Solution
Front hub has side-to-side play	Tolerance variance in hub	Install 1 -3 shims from K86068 behind non-drive side bearing
Threads pulling out of Lefty Spindle	Thread insert or axle bolt is damaged	Replace thread insert with K54128 (kit of 10x thread inserts only) or KH057/ (installation tool and 10x thread inserts)
		Replace hub bolt with axle cap and bolt kit (KH124/)
Loss of air pressure	Damaged valve core or air seals	Perform 100 hour service replacing all air seals and valve core with K57009
Lockout blowoff is too firm or light	No issue	Leftys have a factory set lockout blowoff per bicycle type. Lockout thresholds can be adjusted by Headshok Service Centers and Cannondale Factory Tech Rooms
Cannot achieve full travel	Improper spring settings	Reduce air pressure or remove Ramp Clamps
	Bearing migration	Bearing reset - See " Manual Reset " for instructions
Achieve full travel too easily	Improper spring settings	Increase air pressure or install Ramp Clamps (K51009)
Harsh or noisy top out	Air spring not balanced	Cycle fork 5-10 times to balance air spring system
		Perform 100 hour service replacing all air seals and valve core with K57009
	Bearing migration	Bearing reset - See "Manual Reset" page for instructions
No lockout function	Remote setup is incorrect	See "Lefty Ocho Lockout Set Up" page for instructions
No lockout function with no rebound adjustment	Damper has lost oil	Service damper or replace damper
No rebound adjustment		
Oil leaking at wiper seal	Inner leg or wiper seal is compromised	Send to Headshok Service Center or Cannondale Factory Tech Room
Brake mount appears loose	Hourglass bolt not at proper depth in fork leg	See "Hourglass Bolt Setup Procedure" Tech Note.

Headshok DL50

Symptom	Cause	Solution
Not using all fork travel	Spring is too firm	Replace with softer spring
Harsh or noisy top out	Damper has lost oil	Service or replace damper
	Spring is too firm	Replace with softer spring
Going through all fork travel	Spring is too soft	Replace with firmer spring
Lockout not functioning	Damper has lost oil	Service or replace damper

Lefty Serial Number & Dampers

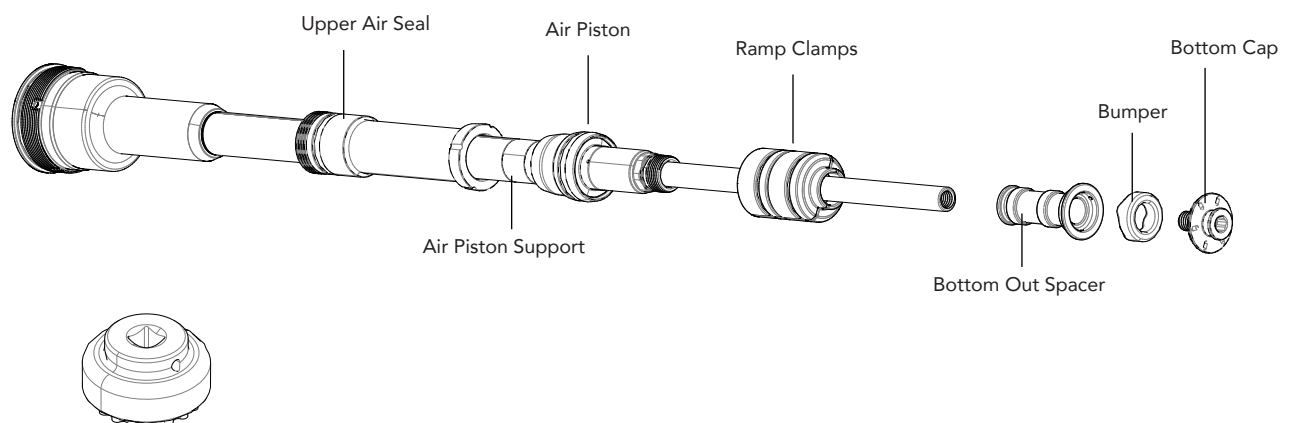


The 9-character serial number system consists of the following definitions:

YEAR	The last two digits of the calendar year produced.
JULIAN CALENDAR	A successive number for each day of the year
SEQUENCE NUMBER	A successive independent numbers that create an individual number per fork built on the given production line that day.
PRODUCTION LINE ID	The identification part number (A,B,C, etc.) of which production line was used by our factory.

Example: The Lefty was the 1st Lefty produced on production line H on January 30, 2018.

Ocho Chamber Damper



CK9108U00OS - 39mm 18 Point Lefty Damper Tool

Lefty Oliver

2021

Specification

Item	Specification					
	Carbon			Alloy		
Wheel Size	650b		700c	650b		700c
External Adjustments	Air Pressure, Rebound, Lockout					
Remote Compatibility	N/A					
Recommended Sag - 0%	0mm					
Travel Length	30mm	40mm	30mm	30mm	40mm	30mm
Axle-to-Crown	405mm	415mm	419mm	405mm	415mm	419mm
▲ Minimum Tire-to-Crown Clearance	3mm					
Fork Offset	55mm					
StopLock Brake Adapter Mount (disc dia./ adapter)	160mm/ K53011					
Hub Compatibility	Lefty 50					
Maximum Tire Size: (Dia./Width)"	650b x 47mm		700c x 45mm	650b x 47mm		700c x 45mm
▲ Headset Compression Assy.	Only Cannondale p/n K35009			1 1/8 in Star Nut Aheadset - ASN8		
▲ Maximum Stack Height	55mm					
Stem Clamp Dia.	28.6mm					
Steerer: Type/ Taper Length/ Overall Length	Tapered 1.5in - 1 1/8in/ 86mm/ 330mm/					
Crown Race: Type/Bearing/Degree	Bonded 1.5in/ 36 degree			1.5in/ 36 degree		
Manual Reset Length +/- 3mm	5mm	5mm	19mm	5mm	5mm	19mm
Air Pressure Limits	Minimum: 50 psi/ 3.5 bar Maximum: 200 psi/ 13.75 bar					
▲ Intended Use	ASTM CONDITION 2: General Purpose Riding					
▲ Max. Weight Limit Total (Rider+All Equipment)"	305 lbs/ 150kg					

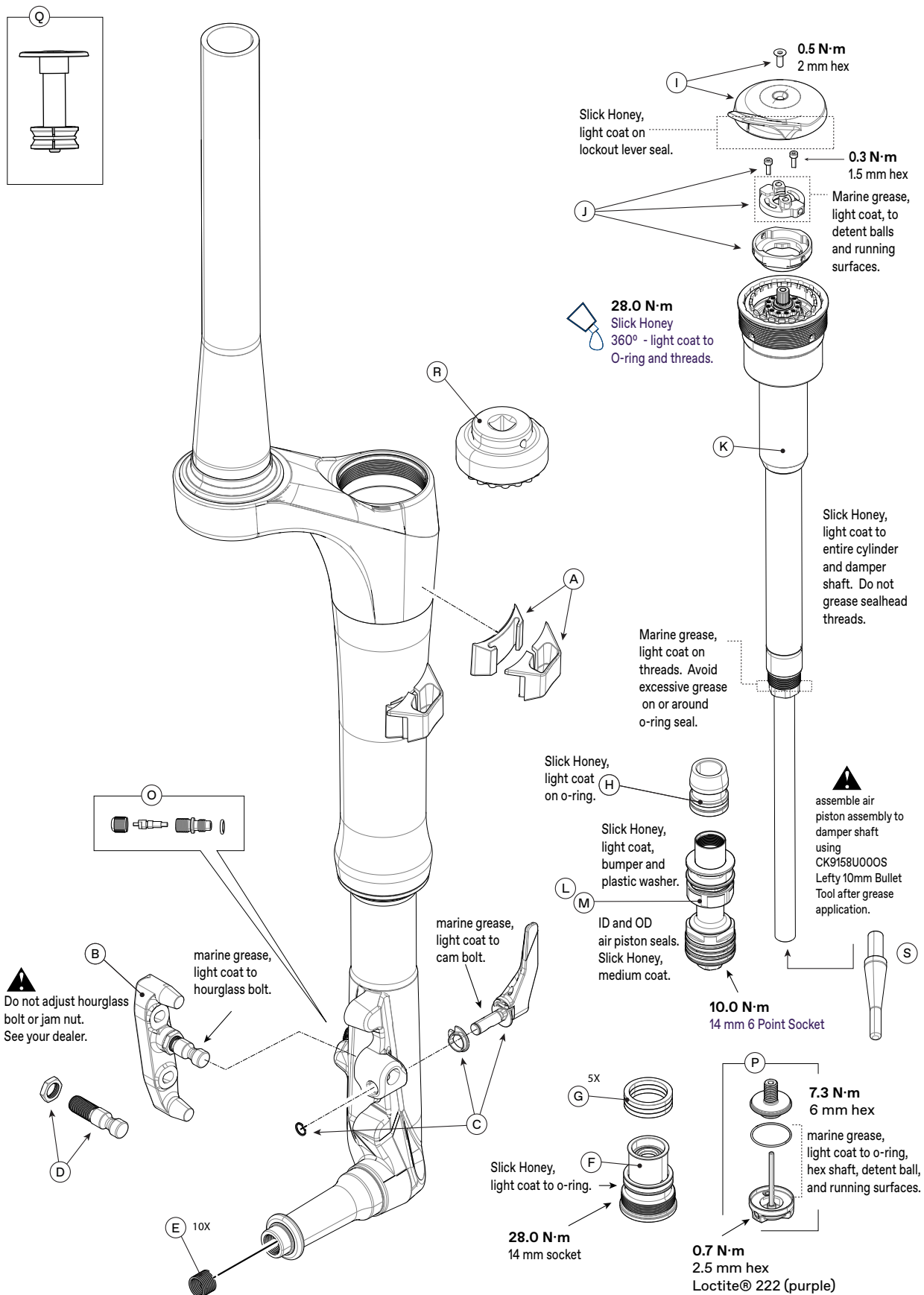
Service Parts

ID	Part Number	Structure Parts
A	K53089	Lefty Cable Guide
B	K53011	Lefty Oliver StopLock Brake Adapter
C	K53021	Lefty Oliver StopLock Release Lever
D	K53031	Lefty StopLock Hourglass Bolt 32mm
E	K54128	Lefty Helicoils Qty 10
ID	Part Number	Damper and Air Spring Parts
F	K53001	Lefty Oliver Bottom Cap
G	K51001	Lefty Iso Ramp Rings
H	K51011	Lefty Iso Upper Air Seal 34mm
I	K52001	Lefty Chamber Lockout Lever No LSC
J	K52011	Lefty Lockout Detent Assembly
-	K57001	Lefty Iso 100 Hour Seals

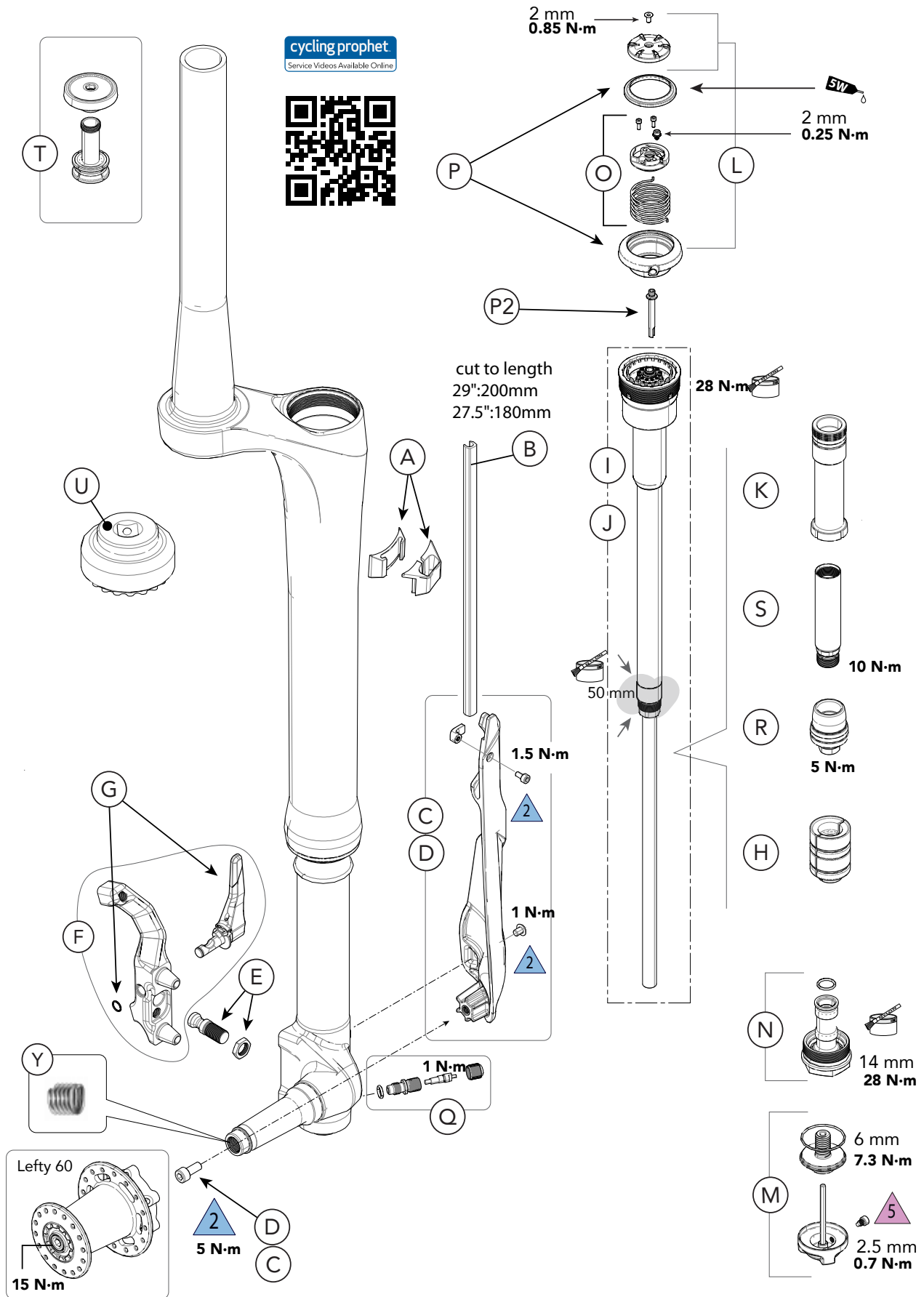
K	K52021	Lefty Chamber Damper All-Over
L	K51021	Lefty Iso Air Piston 688 OD
M	K51031	Lefty Iso Air Piston 717 OD
O	K51039	Sidecar Valve Assembly
P	K36029	Lefty Rebound Knob Assy
ID	Part Number	Steerer and Headset Parts
Q	K35009	SL Compression Plug w/ Top Cap
ID	Part Number	Service Tools
R	CK9108U000S	39mm 18 Point Lefty Damper Tool
S	CK9158U000S	Lefty 10mm Bullet Tool

Lefty Oliver

2021



Lefty Ocho



Lefty Ocho

Service Parts

ID	Part Number	Structure Parts
A	K53089	Lefty Ocho Cable Guide
B	K54029	Lefty C Tube Kit 200 mm
C	K5307929	Lefty Ocho Guideguard 29
D	K5307927	Lefty Ocho Guideguard 27.5
E	K31039	Lefty Stoplock Adapter Hourglass Bolt
F	K53071	Lefty Ocho StopLock Adapter w/ Lever 160
G	K53091	Lefty Ocho Release Lever
Y	K54128	Lefty Helicoils (QTY 10)

ID	Part Number	Damper And Air Spring Parts
H	K51009	Lefty Oppo Ramp Clamps
I	K5203927	Lefty Chamber Damper 100mm 27.5
J	K5203929	Lefty Chamber Damper 100mm 29
K	K51019	Lefty Oppo Upper Air Seal 97mm
L	K36019	Lefty Compression Knob
M	K36029	Lefty Rebound Knob Assembly
N	K51029	Lefty Bottom Cap
O	K36039	Lefty Lockout Pulley
P	K36049	Lefty Remote Housing
P2	K52049	Lefty Chamber LSC Adjuster Rod
Q	K51039	Lefty Sidecar Valve Assembly
R	K51049	Lefty Oppo Air Piston
S	K51059	Lefty Oppo Air Piston Support
--	K57009	Lefty Oppo 100 Hour Seals

ID	Part Number	Steerer And Headset Parts
T	K35009	SL Compression Plug w/ Top Cap Required for carbon models
--	K35019	Headset Si to Tapered w/ Drop-in Cup

ID	Part Number	Service Tools
U	CK9108U000S	39mm 18 Point Lefty Damper Tool

Specification

Item	Specification			
	Carbon		Alloy	
Wheel Size	27.5 in	29 in	27.5 in	29 in
External Adjustments	Air Pressure, Rebound, Compression, Lockout			
Remote Compatibility	FOX 2 POS (p/n 820-0701250, R). RockShox OneLoc			
Recommended Sag - 25%	25 mm			
Axle-to-Crown	490 mm	510 mm	490 mm	510 mm
Travel Length	100 mm			
Minimum Tire-to-Crown Clearance	3 mm			
Fork Offset	50 mm	55 mm	50 mm	55 mm
StopLock Brake (disc dia./adapter)	Minimum: 160mm/K53071 Maximum: 180mm/K53071 +20mm Post Mount Adapter			
Hub Compatibility	Lefty 60			
Bike Models:	F-Si, Scalpel			
Maximum Tire Size: (Width/Dia.)	63 mm x 720 mm	63 mm x 760mm	63 mm x 720 mm	63 mm x 760 mm
Headset Compression Assy.	Only Cannondale® p/n - K35009		1-1/8 in Star Nut Aheadset® - ASN8	
Maximum Stack Hieght	55 mm		55 mm	
Stem Clamp Dia.	28.6 mm			
Steerer: Type/Taper Length	Tapered 1.5 in - 1-1/8 in / 86 mm			
Crown Race: Type/ Bearing / Degree	Bonded 1.5 in / 36 °		1.5 in / 36 °	
Manual Reset Length +/- 5 (mm)	0 mm	20 mm	0 mm	20 mm
Air Pressure Limits	Minimum: 50 psi / 2.4 bar Maximum: 250 psi / 17 bar			
▲ Intended Use	ASTM CONDITION 3, Hardtails.			
▲ Max. Weight Limit Total (Rider+All Equipment):	305 lbs / 138 kg			

Lefty Ocho Brake Routing

1. Loosen the 2.5mm hex bolt at the top of the GuideGuard so the hose clamp can move freely. Let the hose clamp hang downwards.

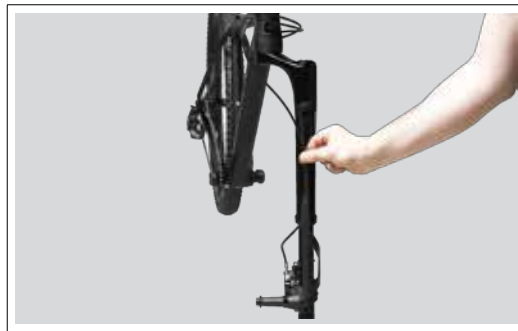


2. Route the brake hose through the channel at the top of the GuideGuard. Rotate the hose clamp so it covers the brake hose. Torque and the hose clamp to 1.5Nm with a 2.5mm hex wrench.



3. Check the brake hose and ensure that it does not contact the Lefty lower leg, brake rotor or wheel spokes.
 - a. If the brake hose contacts the Lefty lower leg, remove the StopLock brake mount, rotate the brake caliper 360 degrees clockwise and reinstall the brake mount.
 - b. If the brake hose contacts the brake rotor or wheel spokes, adjust the brake banjo angle and/or loosen the hose clamp and draw more brake hose above the GuideGuard.

4. Unclip the upper cable guide from the fork by pushing it upwards.
5. Clip the bottom end of the C-tube over the brake hose. Slide the C-tube downwards until it bottoms out on the GuideGuard then clip onto brake hose.

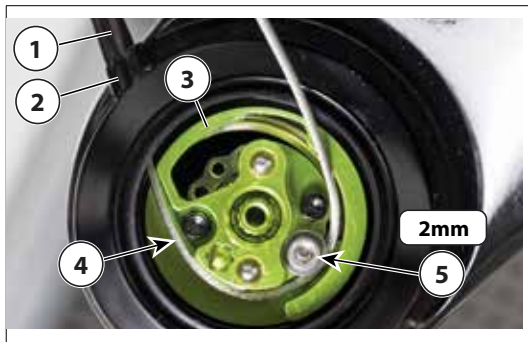


6. Insert the brake hose through the split in the back of the upper cable guide. Insert the upper cable guide into the base and push down to fully seat it.

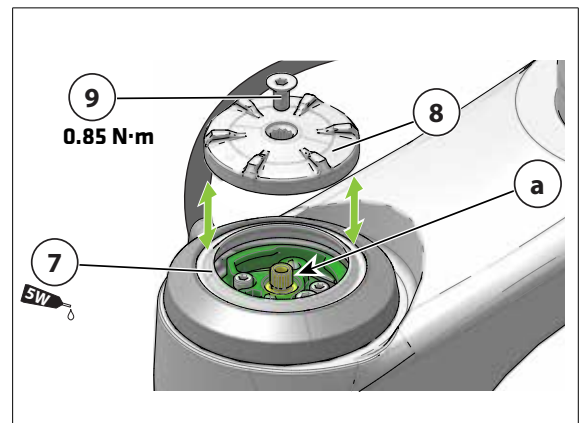


Lefty Ocho Lockout Set Up

1. Cut a length of 4mm derailleur housing (1) to extend between the handlebar lockout remote lever and remote housing (2) stop. Install an inline barrel adjuster 20-30mm from the lever end.
2. Set handlebar lockout remote to descend mode.
3. Remove compression knob screw (9) and lift off the compression knob (8) to expose the lockout pulley (3).
4. At the lockout lever, feed the shift cable (4) end through to the remote housing. Pull the cable tight to seat the housing in the housing stop.
5. Loosen anchor bolt (5) and feed the cable under the bolt and in the channel as shown.
7. Use the barrel adjuster to remove cable slack.
8. Trim the cable 30mm from the cable anchor bolt, install a cable crimp (6) and tuck the cable into the pulley pocket as shown. The cable end must not protrude above the lockout pulley. This will interfere with the compression adjuster knob.
9. Lubricate the adjuster seal (7) with 5w or lighter suspension oil. Do not use grease
10. Insert the compression adjuster knob (8) over the splines (a) on the compression rod. Lightly tighten the compression knob screw (9). Rotate the compression adjuster knob fully clockwise then fully counter clockwise to seat the compression adjuster seal.



6. Pull the cable tight and tighten the anchor bolt (5) to 0.25Nm.



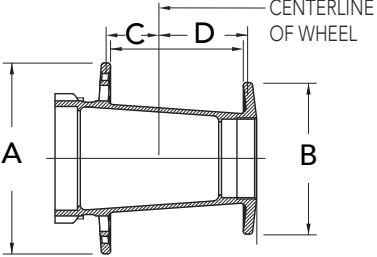
11. Hold the compression adjuster knob stationary with your fingers, tighten the screw (9) to 0.85 Nm.

NOTICE

Over-tightening the screw (9) will result in compression knob being difficult to turn or damaged.

Lefty Wheel Hubs

Dimensions for Wheel Building

	ID	Description	Lefty 50	Lefty 60	Lefty 73
	A	Disc Flange Diameter	58 mm	58 mm	58 mm
	B	Non-disc Flange Diameter	45 mm	45 mm	58 mm
	C	Disc Flange to Center	18.8 mm	25.8 mm	36.5 mm
	D	Non-disc Flange to Center	31.6 mm	34.6 mm	36.5 mm

Spoke hole diameter = 2.5 mm

Brake Adapter Chart

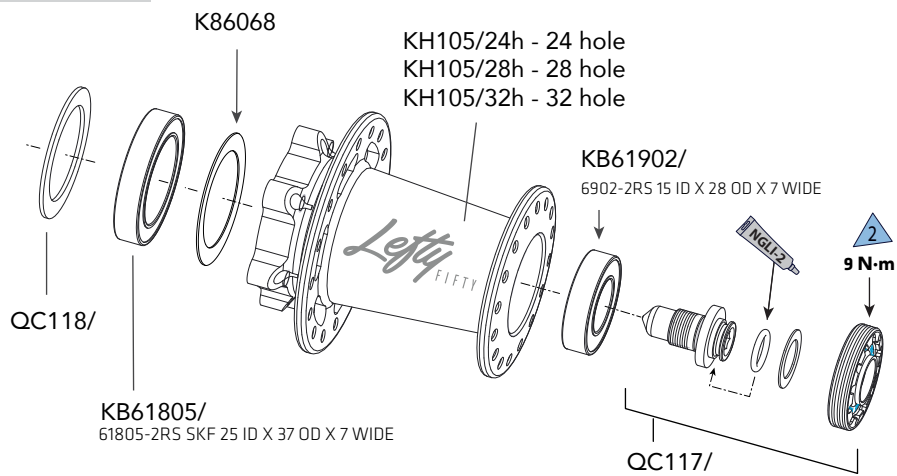
Use the table below to determine the correct LEFTY brake adapter to use with your model. Brake adapter kits are available through your Authorized Cannondale Dealer.

Part Number	Fork Platform	Hub Type	Wheel Size	Fork Offset (mm)	Rotor Size* (mm)
K31019	Ocho	Lefty 60	29 in / 27.5 in	55 / 50	160
K31029	Ocho	Lefty 60	29 in / 27.5 in	55 / 50	180

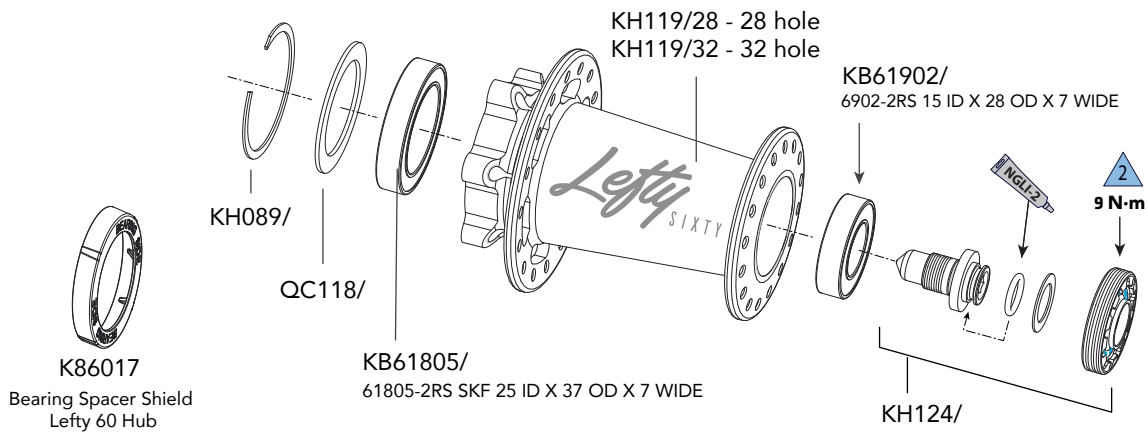
*ROTOR SIZE is the smallest size diameter brake rotor that can be used for a given model/wheel hub combination. For example, a LEFTY 2.0 adapter supports a minimum 160 mm rotor and a 140 mm cannot be used. A 180 mm may be used with a compatible 180 mm rotor adapter mounted on the LEFTY adapter.

Lefty Wheel Hubs

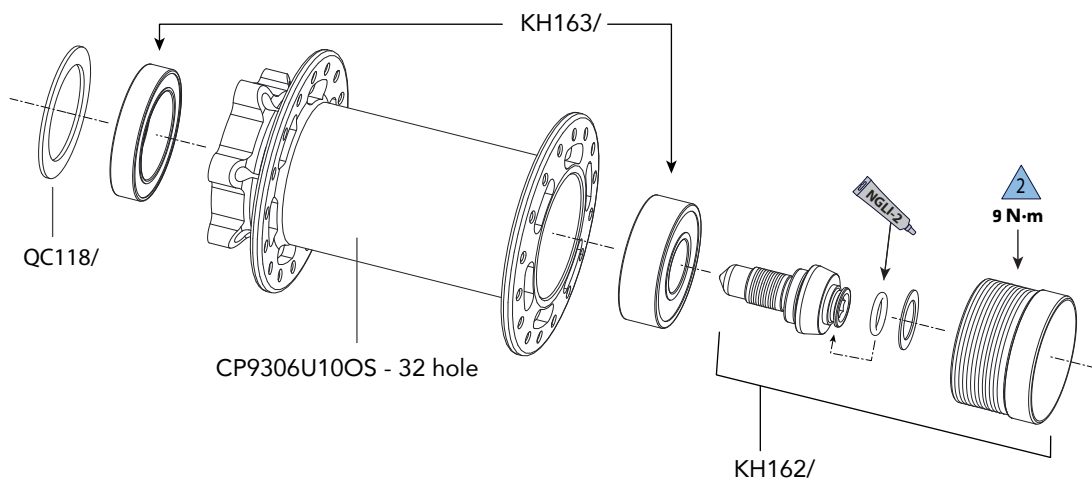
Lefty 50



Lefty 60

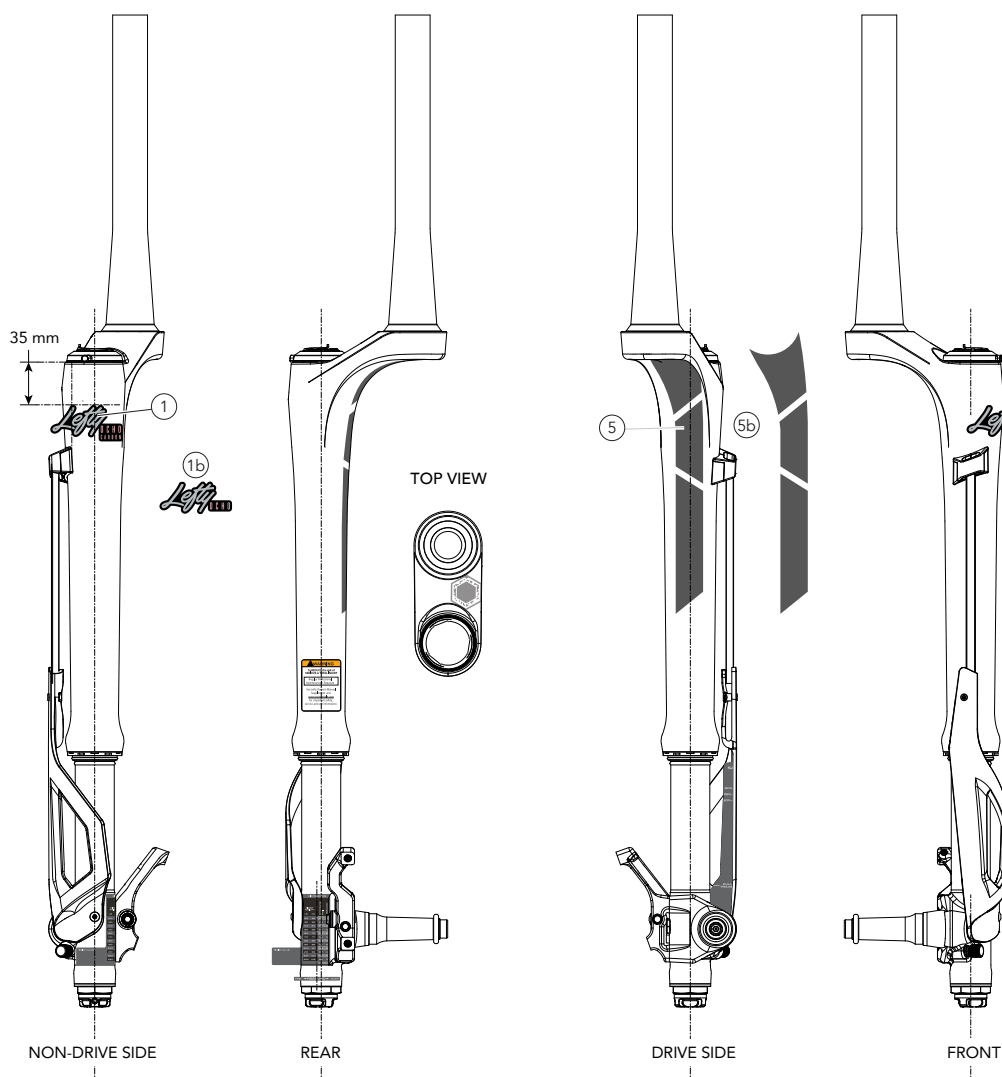


Lefty 73



Lefty Ocho Decals Placement

Bike Model	Lefty	Part Numbers	Description
Scalpel Si HM World Cup Scalpel SI HM 1 Scalpel Si Carbon 2 F-Si HM World Cup F-Si HM 1 F-Si Carbon 2	Ocho Carbon	K15009	"Lefty Decals Ocho Carbon Upper 2019 Items: 1,5"
Scalpel Si Carbon 3 & 4 Scalpel Si Carbon Women's 1 & 2 F-Si Carbon 3 & 4 F-Si Carbon Women's 2 Trail Neo 1	Ocho Alloy	K15019	"Lefty Decals Ocho Alloy Upper 2019 Items: 1,5"



Application:

Before applying a replacement decal, prepare the fork surface by cleaning it with ordinary dish soap and water followed by a shop towel dampened with isopropyl alcohol. Align the decals on the fork as shown above.

Manual Reset - Ocho

Perform the following procedure with the bike on the floor.

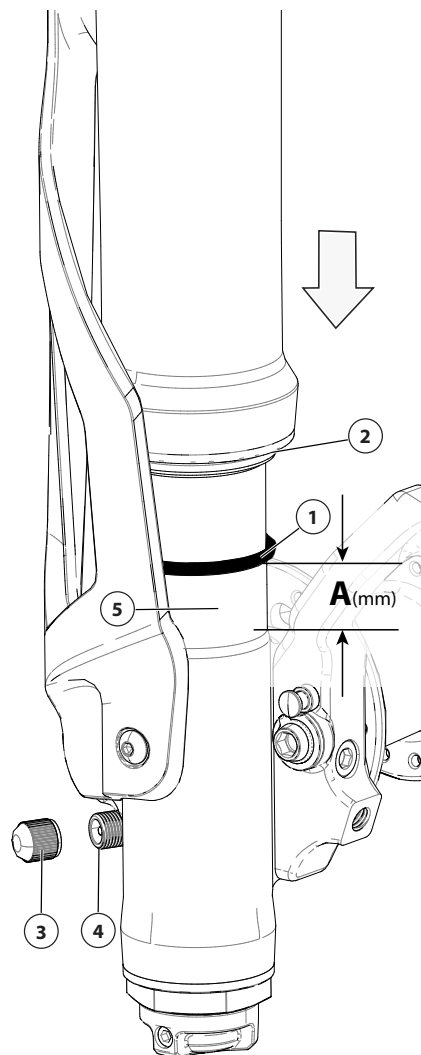
1. Slide the travel indicator o-ring (1) against the wiper seal (2).
2. Remove the valve cap (3) from the Schrader valve (4) and thread a shock pump onto the valve. Record the air pressure and use the shock pump bleed valve to deflate the Lefty.
3. Hold the shock pump bleed valve open and fully compress the Lefty by pushing down on the handlebars.
4. Firmly bottom out the Lefty several times.
5. Measure the glossy stanchion tube (5) below the travel indicator o-ring (1). Repeat step 4 until that measurement matches the stanchion length that corresponds to your Lefty in the table below.

Lefty	Travel / Wheel	(A) Manual Reset Length +/- 3
Ocho	100 mm / 27.5 in	0 mm
	100 mm / 29 in	20 mm
Oliver	30 mm / 650b	3 mm

6. Thread a shock pump onto valve and pump your Lefty up to the air pressure recommended for your riding weight.
7. Unthread the shock pump from the valve.

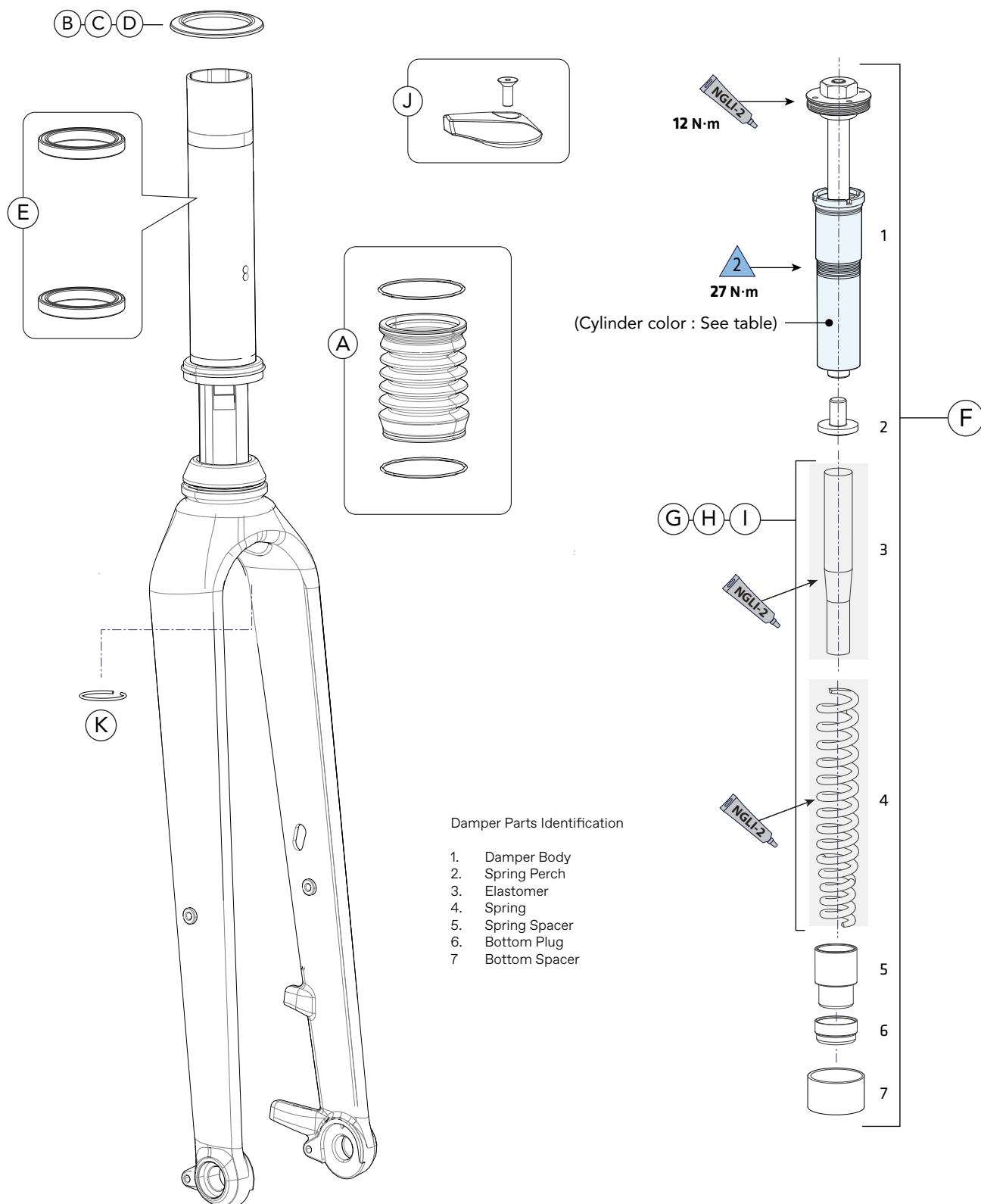
(Ocho only)

Compress the Lefty 10 times to allow the positive and negative air pressures to equalize.



Take measurement while compressed.

Headshok DL50



Headtube Length	134 mm	160 mm
Crown Height	478 mm	478 mm
Install item 7	NO	YES

Headshok DL50

Item	Specification
Recommended Sag	10-20 mm
Travel	50 mm
Manual Reset Length	N/A
Pressure Limits	N/A
Offset	45 mm
Intended Use	ASTM CONDITION 2, General Purpose Riding
Bike Model:	TESORO

ID	Part Number	Structure Parts
--	KF119/	Race Clip, Metric
A	HD191/BLK	Headshok Boot
B	QSMSEAL/	Lefty Upper Bearing Seal 50mm O.D
C	QSISEAL/	SLefty Upper Bearing Seal 58mm O.D.
D	QSCSEAL/	Lefty Upper Bearing Seal 60mm O.D.
E	HD169/	Bearings, Headset (QTY 2)
K	HD170/	Circlips Headshok (QTY 12)

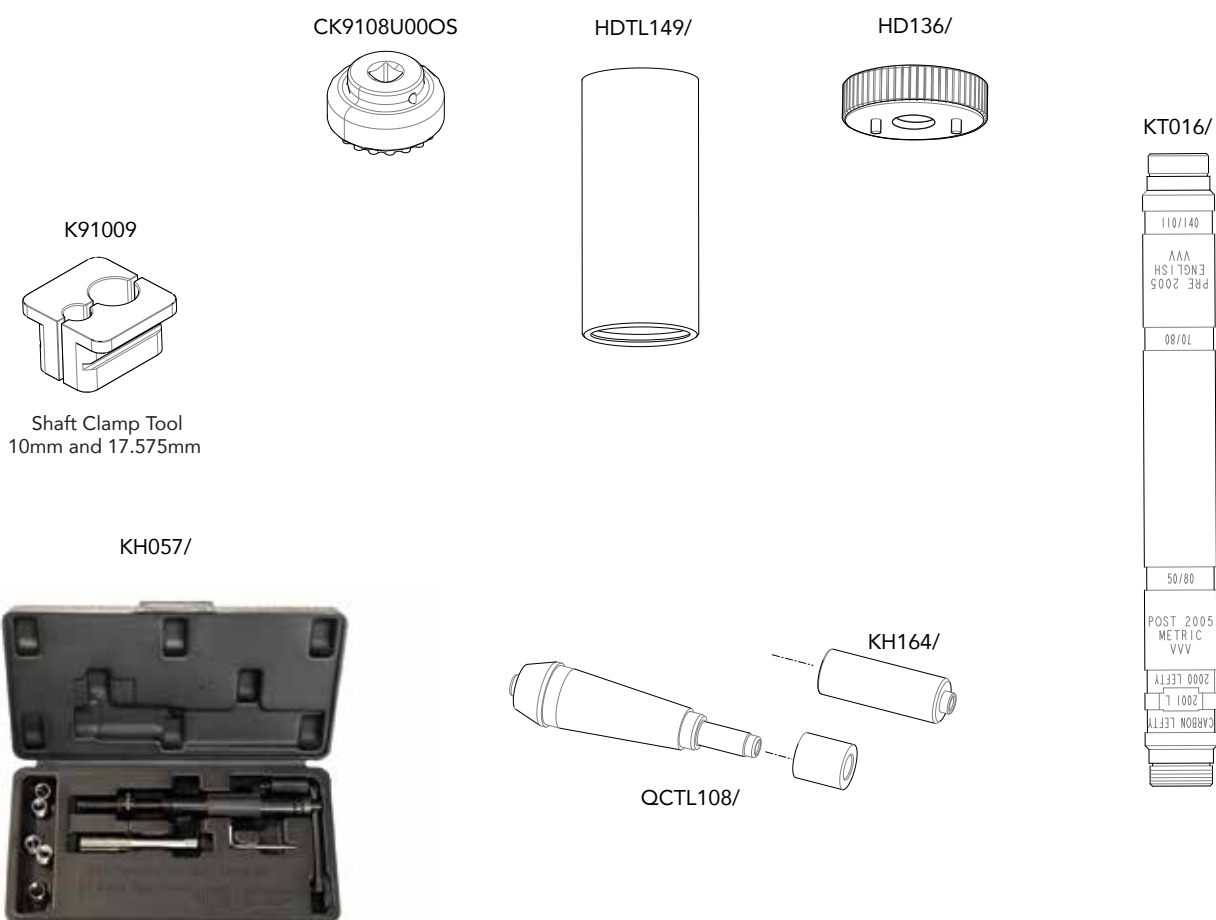
ID	Part Number	Damper And Spring Parts
F	KF239/XL	Headshok DL50 Damper XL color: GRN
G	KF241/	Headshok DL/MC50 Spring Soft color: GRN/BLK
H	KF242/	Headshok DL/MC50 Spring Standard color: GRN
I	KF243/	Headshok DL/MC50 Spring Firm color: RED
J	KF258/	Headshok Lever Lo DL80/50
--	KF236/	Headshok DL50 DL80 DLR80 Damper Seals

ID	Part Number	Service Tools
--	HDTL149/	Headshok Bearing Crown Race Install Tool
--	HD136/	Headshok Outer Cap Pin Tool
--	KH031/	Super Castle Tool BLK
--	KT016/	Headshok Bearing Reset Tool

NOTES:

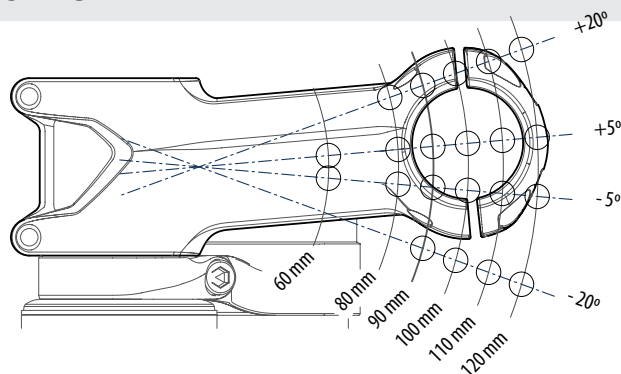
- Apply a small amount of grease to cap threads (a) and tighten to 12N·m (8.9 Ft-lbs) using Cannondale tool HD136/.
- Apply grease to entire outer diameter of spring (6) and elastomer (1).
- Apply grease to entire outer diameter of plug (2) and install using a hollow plastic rod until firmly seated.
- Clean cartridge threads with acetone and apply 90 × 3 mm wide bead of Loctite 243 (blue) and install to 27N·m (20ft-lbs) using a Cannondale castle tool KH031/.
- Apply layer of grease to entire O.D.of (9) prior to installtion.

Headshok / Lefty Service Tools



Part Number	Description	Use
KT016/	Headshok Bearing Reset Tool	Headshok/Solo Needle Bearing Reset
HDTL149/	Headshok Bearing Crown Race Install Tool	Install Headshok Headset Bearings
QCTL108/	Lefty Truing Axle	Truing Of Lefty 50 Hub & Lefty 60 Hub Equipped Wheels
KH164/	Lefty 73 Truing Axle Need QCTL108/	Truing Of Lefty 73 Hub Equipped Wheel
KH057/	Lefty Spindle Repair Tool	Replacement of helicoil
K54128	Lefty Helicoils QTY=10	Replacement helicoils for Lefty Spindle
HD136/	Headshok Outer Cap Pin Tool	Headshok Top Cap Remove/Install
CK9108U000S	39 mm 18 Point Lefty Damper Tool	Lefty Ocho Damper Remove/Install
K91009	Lefty Shaft Clamp Tool 10mm and 17.575mm	Clamp Lower Shaft Of Lefty Chamber Damper

Stems



Cannondale 1.5 in Stems

Part Number	Description	H-Bar Dia. (mm)	Stem Rise°	Stem Length (mm)
K2804860	1.5 Stem 0 Deg 31.8 clamp 60 mm	31.8	0	60
K2804870	1.5 Stem +/-6 Deg 31.8 clamp 70 mm		+ / - 6	70
K2804880	1.5 Stem +/-6 Deg 31.8 clamp 80 mm		+ / - 6	80
K2804890	1.5 Stem +/-6 Deg 31.8 clamp 90 mm		+ / - 6	90
K2804800	1.5 Stem +/-6 Deg 31.8 clamp 100 mm		+ / - 6	100
K2804810	1.5 Stem +/-6 Deg 31.8 clamp 110 mm		+ / - 6	110

Authorized Headshok/Lefty Service Centers

ARGENTINA

10X SRL
Mexico 3662 PB 35
1223 Buenos Aires, Argentina
tel: +54 11 4931 6003
contacto@10x.com.ar

AUSTRALIA

PSI Cycling Pty Ltd
20a Stubbs Street
Kensington VIC 3031 Australia
sales@psicycling.com.au
+61 3 83278080
<http://www.psicycling.com.au>

AUSTRIA

Eighty Aid Austria
Holzham 22
Westendorf 6363
Tel: 0043 664 423 88 78
www.eighty-Aid.com
Austria@Eighty-Aid.com

BENELUX

Leftyhouse
Koedreef 8
9070 Destelbergen
Belgium
Tel.: +32(0)9 256 01 85
info@leftyhouse.com
www.leftyhouse.com

CANADA

S4 Suspension
108-801 Rue Pasteur
St-Jerome, Qc, J7z 0E2
tel: +1 450-504-1148
gcaron@s4suspension.com
<http://www.s4suspension.com/>

Suspension Werx
1631 Welch Street
North Vancouver, BC, V7P 3G9
+1 778-340-2013
info@suspensionwerx.com
<http://suspensionwerx.com>

CANNONDALE EUROPE

Cannondale Factory Tech Room
Hanzepoort 27
7570 GC Oldenzaal, The Netherlands

Nederland
tel: 0541820906
nederland@cyclingsportsgroup.com

Belgie
tel: 025885776
belgie@cyclingsportsgroup.com

CHILE

Dorel Sports Chile
Nueva Las Condes 12375
Las Condes, Santiago Chile
tel: +56 9 9439 1650
servicio.tecnico@intercycles.cl

COSTA RICA

Xcesso Deportivo SA
Heredia-Costa Rica
Tel +506 2589-1340
info@xcesso.com
<http://xcesso.com/>

Xcesso S.A.
Lindora - Costa Rica
Tel. 2589-1340
INFO@XCESSO.COM

CZECH REPUBLIC

Aspire Sports s.r.o.
Sochorova 40, Brno, 61600
tel: +420 532 199 540
fax: +420 532 199 554
aspire@aspire.cz
<http://www.aspire.cz>

FRANCE

Doc Headshok
1299 Chemin Des Nartettes
83400 Hyeres
Tel: +33 (0) 494 064 362
www.doc-Headshok.com
Info@Doc-Headshok.com

Fast Suspension
Pa Les Landes De Penthievre
22640 Plestan
Tech@Fast-Suspension.com
www.fast-Suspension.com

GERMANY

Eighty Aid Germany
Leistenstr. 3
Wuerzburg 97082
Tel: 0049 931 783250
www.eighty-Aid.com
Help@Eighty-Aid.com

ISRAEL

D.Z. SYSTEMS LTD
PO Box 1953
Logistic Center Tzrifin
58117 Rishon Le Zion
Israel

ITALY

Lefty Service Center % Cyclisme
Via Mirtense, 6
02030 Poggio Nativo RI
Info@Leftyservicecenter.it
www.leftyservicecenter.it

Fluid Works Suspension Service
Via Pio X 215/217, 36015, Schio -VI-
Tel: 0445220071
www.fluidworkssuspension.com
info@fluidworkssuspension.com

Authorized Headshok/Lefty Service Centers

JAPAN

Cannondale Japan
1-20-22 Esaka Suita,
Osaka 564-0063, Japan
tel: 06-6330-1801
fax: 06-6330-1803

KOREA

Sanbada Sports
2F, G&A Hakdong Park Bldg., 25
Nonhyun-Dong, Gangnam-Gu
Seoul, Republic of Korea
tel: 82 2 555 5199
fax: 82 2 557 5199
sanbadasports@gmail.com

ROMANIA

Extreme Riders Distribution
Bibescu Voda, Nr.1, Bl. P4, Sector 4
Bucharest, Romania
tel: +40 756 099 411
office@extremeriders.ro
<http://www.extremeriders.ro>

RUSSIA

Performance Sport,
Olympiysky Prospect 16/2,
Moscow, 129110, Russia
tel: 007 495 789-42-97
<https://www.trial-sport.ru/>

SCANDINAVIA

Scandinavian Bike Tech
Ulvevaenget 1
7100 Vejle
DeN-mark
Tel: +4527591345
www.scandinavianbiketech.com

SOUTH AFRICA

Omnico (PTY) Ltd
4 Induland Crescent
7780 Landsdowne, Cape Town,
South Africa
tel: +27215910110
lionel@omnico.co.za
<http://www.omnico.co.za>

SPAIN /PORTUGAL /ANDORRA

Racing Shox
Poligono Soroxarta
20303 Irun
Tel: +34 943 22 48 11
Racingshox@Racingshox.com

BICIMAX ARTIGOS

DESPORTIVOS, S.A.
Rua José Afonso 161 Fração B
Comeiras
2430-402 Marinha Grande
Spain Phone: +34 919 014 578
Portugal Phone: +351 244 772 705
Website: <https://leftyservice.com/>
Mail: leftyservice@bicimax.com

SWITZERLAND

Suspension Center
Gurnigelstrasse 11
CH-3132 Riggisberg
Tel: 031.809.30.20
Fax: 031 809 30 22
Email : info@suspensioncenter.ch
<https://www.suspensioncenter.ch/>

TAIWAN

Three Peaks Bicycle Company
No.29-6, Buzi Ln., Beitun Dist.,
Taichung City 40663, Taiwan
tel: 886-422-396211
fax: 886-422-395211
info@threepeaks.com.tw
<http://www.threepeaks.com.tw>

UNITED KINGDOM

Cycling Sports Group UK
Vantage Way, The Fulcrum
Poole
Dorset
BH12 4NU
Tel: 01202 732288
warranty@Cyclingsportsgroup.co.uk
www.csqb2b.co.uk

UKRAINE

Veloplaneta
14/1 Heroiv Nebesnoi Sotni sqr.
Kharkiv, Ukraine, 61010
tel: +380504023705
veloplaneta@gmail.com
www.veloplaneta.com.ua

USA

Cannondale Factory Tech Room
1 Cannondale Way
Wilton, CT 06897
tel: 1-800-845-3872

Rear Derailleur Hangers

Platform	Model Year	Model Name	Part Number
Adventure	2021-2017	Adventure	KP284/
Althea	2021-2020	Althea	KP284/
	2018-2016	Althea	KP284/
Bad Boy	2021-2016	Bad Boy 1	CK3327U000S
		Bad Boy 2, 3, 4	KP284/
Bad Habit	2019	Bad Habit Crb/Al	CK3257U000S
		Bad Habit Al	
	2018-2016	Bad Habit Crb	KP381/
		Bad Habit Crb/Al	
CAAD Optimo	2021	CAAD Optimo	KP255/
	2020-2017	CAAD Optimo	KP25/
		CAAD Optimo Disc	
CAAD12	2019-2016	CAAD12	KP255/
		CAAD12 Disc	
CAAD13	2021-2020	CAAD13 Rim	KP255/
		CAAD13 Disc	K33009
CAADX	2021	CAADX	K33049
	2020-2016	CAADX	KP255/
Canvas Neo	2021-2020	Canvas Neo 1	CK3257U000S
		Canvas Neo 2	KP173/
Catalyst	2019-2016	Catalyst	KP284/
Cujo	2019-2017	Cujo	KP284/
Cujo Neo	2020-2019	Cujo Neo 130	CK3257U000S
	2019-2018	Cujo Neo	KP173/
Fat CAAD	2020-2016	Fat CAAD	KP173/
Foray	2019-2017	Foray	KP284/
F-Si	2021-2020	F-Si HM	K33040
		F-Si Crb	
	2019	F-Si HM	K33049
		F-Si Crb	
	2018-2015	F-Si Crb	KP121/
		F-Si HM	
Habit	2021-2019	Habit Crb	CK3257U000S
		Habit Crb/Al	
		Habit Al	
	2018-2016	Habit Crb	KP381/
		Habit Crb/Al	
		Habit Al	
Habit Neo	2021-2020	Habit Neo	CK3257U000S
Jekyll	2020-2018	Jekyll Crb	CK3257U000S
		Jekyll Crb/Al	
	2021-2018	Jekyll Al	CK3257U000S
	2017-2015	Jekyll 27.5	KP173/

Rear Derailleur Hangers

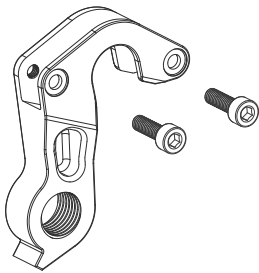
Platform	Model Year	Model Name	Part Number
Kids	2021-2018	Kids Quicks	KP284/
		Kids Trail 20 & 24	
		Kids Cujo 20 & 24	
	2017-2014	Kids Race 24	KP284/
		Kids Trail 24	KP284/
		Kids Street 24	KP284/
Mavaro Neo	2021	Mavaro Neo 1 & 4	K33031
		Mavaro Neo 2, 3 & 5	K33021
	2021-2019	Mavaro Neo City	KP284/
	2018	Mavaro Neo 1, 3	KP284/
		Mavaro Neo City 1	
		Mavaro Neo 2	K33018
		Mavaro Neo City 2	K33028
Moterra Neo	2021-2020	Moterra Neo Crb/Al	CK3257U000S
	2021	Moterra Neo Al	K33051
	2019-2017	Moterra Neo	KP173/
		Moterra LT	
Quick	2021-2020	Quick (Road Spec)	KP255/
		Quick (Mtn Spec)	KP284/
	2019-2016	Quick	KP284/
Quick CX	2021	Quick CX	KP284/
	2020	Quick CX	KP284/
	2018-2015	Quick CX	KP284/
Quick Neo	2021-2020	Quick Neo SL	K33050
	2021-2019	Quick Neo	K33049
	2018	Quick Neo	KP284/
Scarlet	2020-2018	Scarlet	KP284/
Scalpel	2021	Scalpel HM	K33001
		Scalpel Crb	
Scalpel Si	2020-2017	Scalpel Si Crb	KP432/
		Scalpel Si Crb/Al	
		Scalpel Si HM	
	2021-2017	Scalpel Si Al	KP432/
Slate	2019	Slate	K33049
	2018-2016	Slate	KP419/
S6 EVO	2021-2020	S6 EVO (Rim)	KP255/
		S6 EVO (Disc)	K33009
	2019-2017	S6 EVO Crb	KP395/
		S6 EVO Crb Di2	KP396/
		S6 EVO Crb Disc	KP395/
		S6 EVO Crb Disc Di2	KP396/
		S6 EVO HM	KP395/
		S6 EVO HM Di2	KP396/
		S6 EVO HM Disc	KP395/
		S6 EVO HM Disc Di2	KP396/
S6 EVO Neo	2021-2019	S6 EVO Neo	K33050

Rear Derailleur Hangers

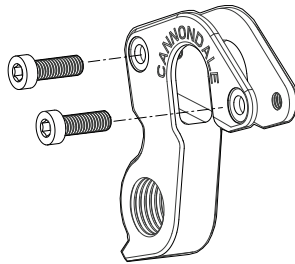
Platform	Model Year	Model Name	Part Number
SuperSlice	2021-2019	SuperSlice	CK3057U000S
SuperX	2021-2019	SuperX	K33049
	2018-2017	SuperX	KP419/
Synapse	2021-2019	Synapse HM Disc	K33049
		Synapse Crb Disc	
		Synapse AI Disc	KP255/
	2019	Synapse Crb	KP158/
	2018	Synapse AI Disc	KP255/
		Synapse Crb	KP158/
		Synapse Crb Disc	KP419/
		Synapse HM Disc	
	2017	Synapse AI	KP255/
		Synapse AI Disc	
		Synapse Crb	KP158/
		Synapse Crb Disc	
		Synapse HM	
		Synapse HM Disc	
Synapse Neo	2021-2019	Synapse Neo AI	K33049
SystemSix	2021-2019	SystemSix HM	K33009
		SystemSix Crb	
Tango	2020-2016	Tango	KP284/
Tesoro	2019-2018	Tesoro	KP284/
Tesoro Neo X	2021-2020	Tesoro Neo X 1 & 2	CK3257U000S
		Tesoro Neo X 3	KP173/
	2021-2019	Tesoro Neo X	KP173/
Topstone	2021-2020	Topstone Crb	K33009
	2021-2019	Topstone AI	K33049
Topstone Neo	2021	Topstone Neo Crb	K33049
		Topstone Neo SL	K33050
Trail	2021	Trail SL	CK3257U000S
		Trail SE	
	2021-2015	Trail	KP284/
Trail Neo	2021	Trail Neo S	K33059
	2021-2020	Trail Neo 1 & 2	CK3257U000S
		Trail Neo 3	KP173/
	2019-2018	Trail Neo	KP173/
Treadwell	2021-2020	Treadwell	KP284/
Treadwell Neo	2021-2020	Treadwell Neo	K33050
Trigger	2019-2018	Trigger Crb	CK3257U000S
		Trigger Crb/AI	
	2017-2015	Trigger 27.5	KP173/

Rear Derailleur Hangers

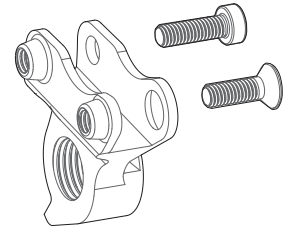
KP121/



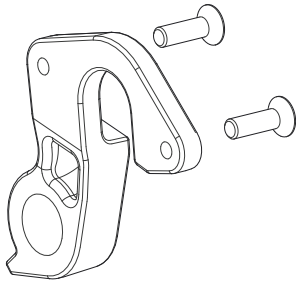
KP158/



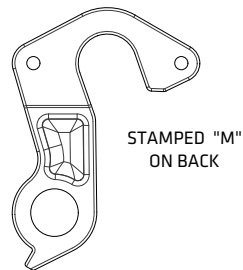
KP173



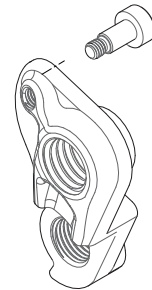
KP255/



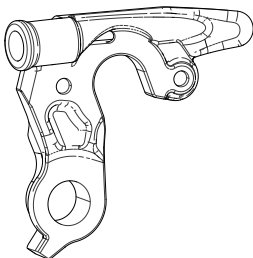
KP284/



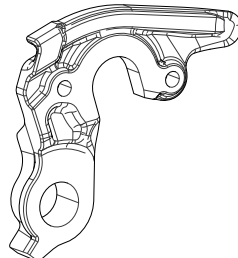
KP381/



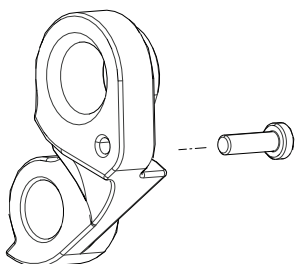
KP395/



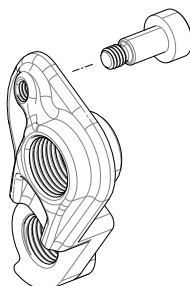
KP396/



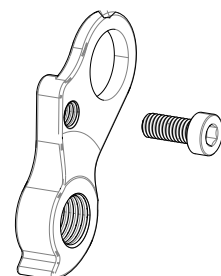
KP419/



KP432/

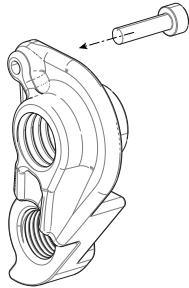


CK3057U000S

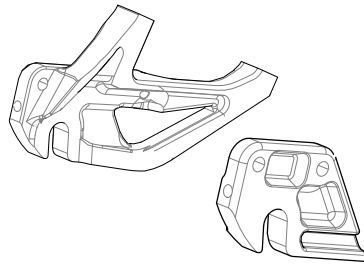


Rear Derailleur Hangers

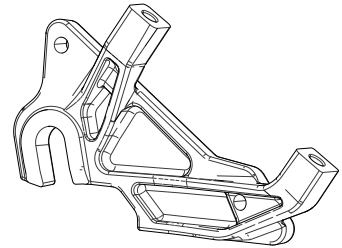
CK3257U000S



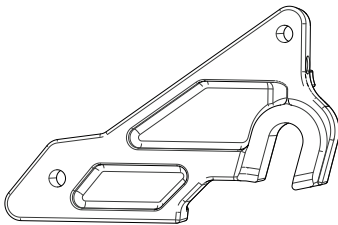
CK3327U000S



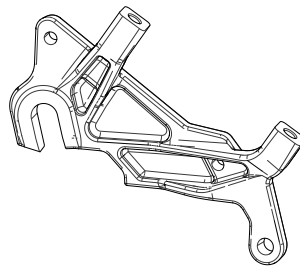
K33018



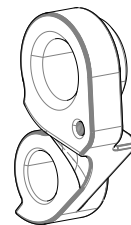
K33028



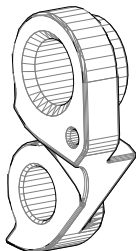
K33038



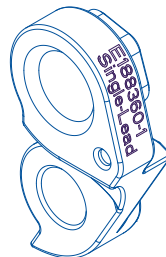
K33049 - Single Lead



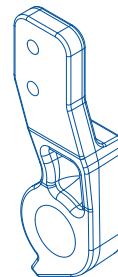
K33009 - Double Lead



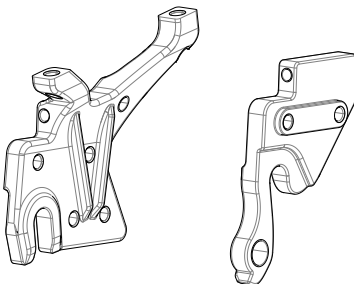
K33040 - Single Lead



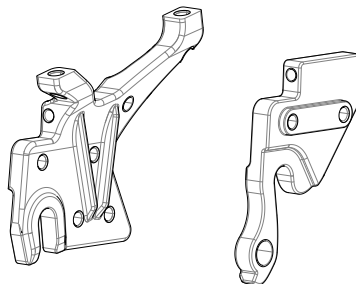
K33050



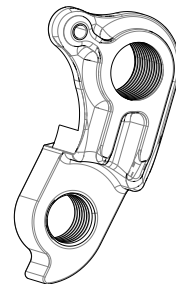
K33021



K33021



K33001



Freehub Bodies

Model Code	Bike Model	Hub	Part Number
C51200F	20 F Kids Quick	CANNONDALE	K81068
C51200M	20 M Kids Quick	CANNONDALE	K81068
C56200U	20+ U Cujo Race	CANNONDALE	K81069
C51100F	24 F Kids Quick	CANNONDALE	K81068
C51150F	24 F Kids Trail	CANNONDALE	K81069
C51100M	24 M Kids Quick	CANNONDALE	K81068
C51150M	24 M Kids Trail	CANNONDALE	K81069
C56301U	24+ U Cujo	CANNONDALE	K81069
C56100U	24+ U Cujo Race	CANNONDALE	K81069
C33100M	27.5 M Bad Boy 1	SHIMANO	Contact Hub Manufacturer
C33200M	27.5 M Bad Boy 2	CANNONDALE	K81069
C33300M	27.5 M Bad Boy 3	CANNONDALE	K81069
C37200M	27.5 M Treadwell 2	CANNONDALE	K81069
C37201M	27.5 M Treadwell 2 Ltd	CANNONDALE	K81069
C37151M	27.5 M Treadwell EQP	CANNONDALE	K81069
C64451U	27.5 U Mavaro Neo City	SHIMANO	Contact Hub Manufacturer
C37200U	27.5 U Treadwell 2 Remixte	CANNONDALE	K81069
C37201U	27.5 U Treadwell 2 Remixte Ltd	CANNONDALE	K81069
C37151U	27.5 U Treadwell EQP Remixte	CANNONDALE	K81069
C25201F	27.5/29 F F-Si Crb 4	SHIMANO	Contact Hub Manufacturer
C23201F	27.5/29 F Habit 4	SHIMANO	Contact Hub Manufacturer
C23301F	27.5/29 F Habit 5	SHIMANO	Contact Hub Manufacturer
C23101F	27.5/29 F Habit Crb 2	SHIMANO	Contact Hub Manufacturer
C26301F	27.5/29 F Trail 5	SHIMANO	Contact Hub Manufacturer
C26401F	27.5/29 F Trail 6	SHIMANO	Contact Hub Manufacturer
C26501F	27.5/29 F Trail 7	SHIMANO	Contact Hub Manufacturer
C65101M	27.5/29 M Moterra Neo Crb 1	SRAM	Contact Hub Manufacturer
C65201M	27.5/29 M Moterra Neo Crb 2	SRAM	Contact Hub Manufacturer
C65320M	27.5/29 M Moterra Neo Crb 3+	CANNONDALE	KP459/
C65171M	27.5/29 M Moterra Neo Crb SE	SRAM	Contact Hub Manufacturer
C24600M	27.5/29 M Scalpel Si Al 6	CANNONDALE	KP459/
C26501M	27.5/29 M Trail 5	SHIMANO	Contact Hub Manufacturer
C26601M	27.5/29 M Trail 6	SHIMANO	Contact Hub Manufacturer
C26701M	27.5/29 M Trail 7	SHIMANO	Contact Hub Manufacturer
C61151M	27.5/29 M Trail Neo 1	SHIMANO	Contact Hub Manufacturer
C61251M	27.5/29 M Trail Neo 2	SHIMANO	Contact Hub Manufacturer
C61351M	27.5/29 M Trail Neo 3	SHIMANO	Contact Hub Manufacturer
C24201F	29 F Scalpel Crb SE	SHIMANO	Contact Hub Manufacturer
C26101F	29 F Trail SE 3	SHIMANO	Contact Hub Manufacturer
C26201F	29 F Trail SE 4	SHIMANO	Contact Hub Manufacturer
C26151F	29 F Trail SL 3	SHIMANO	Contact Hub Manufacturer

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
C26251F	29 F Trail SL 4	SHIMANO	Contact Hub Manufacturer
C64201M	29 M Canvas Neo 1	SHIMANO	Contact Hub Manufacturer
C64301M	29 M Canvas Neo 2	SHIMANO	Contact Hub Manufacturer
C25401M	29 M F-Si Crb 3	SHIMANO	Contact Hub Manufacturer
C25501M	29 M F-Si Crb 4	SHIMANO	Contact Hub Manufacturer
C25601M	29 M F-Si Crb 5	SHIMANO	Contact Hub Manufacturer
C25101M	29 M F-Si HM ULT	DT SWISS	Contact Hub Manufacturer
C23401M	29 M Habit 3	SHIMANO	Contact Hub Manufacturer
C23501M	29 M Habit 4	SHIMANO	Contact Hub Manufacturer
C23601M	29 M Habit 5	SHIMANO	Contact Hub Manufacturer
C23201M	29 M Habit Crb 1	DT SWISS	Contact Hub Manufacturer
C23301M	29 M Habit Crb 2	SHIMANO	Contact Hub Manufacturer
C23151M	29 M Habit Crb SE	SHIMANO	Contact Hub Manufacturer
C65151M	29 M Habit Neo 1	SHIMANO	Contact Hub Manufacturer
C65251M	29 M Habit Neo 2	SHIMANO	Contact Hub Manufacturer
C65351M	29 M Habit Neo 3	SHIMANO	Contact Hub Manufacturer
C65451M	29 M Habit Neo 4	SHIMANO	Contact Hub Manufacturer
C23451M	29 M Habit Waves	SHIMANO	Contact Hub Manufacturer
C21400M	29 M Jekyll AI 4	CANNONDALE	KP460/
C69201M	29 M Moterra Neo 5	SHIMANO	Contact Hub Manufacturer
C24401M	29 M Scalpel Crb 3	SHIMANO	Contact Hub Manufacturer
C24501M	29 M Scalpel Crb 4	SHIMANO	Contact Hub Manufacturer
C24351M	29 M Scalpel Crb SE 2	SHIMANO	Contact Hub Manufacturer
C24101M	29 M Scalpel HM Ultimate	DT SWISS	Contact Hub Manufacturer
C66201M	29 M Tesoro Neo X 1	SHIMANO	Contact Hub Manufacturer
C66301M	29 M Tesoro Neo X 2	SHIMANO	Contact Hub Manufacturer
C66401M	29 M Tesoro Neo X 3	SHIMANO	Contact Hub Manufacturer
C66101M	29 M Tesoro Neo X Speed	SHIMANO	Contact Hub Manufacturer
C61451M	29 M Trail Neo 4	SHIMANO	Contact Hub Manufacturer
C61101M	29 M Trail Neo S 1	SHIMANO	Contact Hub Manufacturer
C61201M	29 M Trail Neo S 2	SHIMANO	Contact Hub Manufacturer
C61301M	29 M Trail Neo S 3	SHIMANO	Contact Hub Manufacturer
C26101M	29 M Trail SE 1	SHIMANO	Contact Hub Manufacturer
C26201M	29 M Trail SE 2	SHIMANO	Contact Hub Manufacturer
C26301M	29 M Trail SE 3	SHIMANO	Contact Hub Manufacturer
C26401M	29 M Trail SE 4	SHIMANO	Contact Hub Manufacturer

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
C26151M	29 M Trail SL 1	SHIMANO	Contact Hub Manufacturer
C26251M	29 M Trail SL 2	SHIMANO	Contact Hub Manufacturer
C26351M	29 M Trail SL 3	SHIMANO	Contact Hub Manufacturer
C26451M	29 M Trail SL 4	SHIMANO	Contact Hub Manufacturer
C64251U	29 U Canvas Neo 1 Remixte	SHIMANO	Contact Hub Manufacturer
C64351U	29 U Canvas Neo 2 Remixte	SHIMANO	Contact Hub Manufacturer
C66201U	29 U Tesoro Neo X 1 Remixte	SHIMANO	Contact Hub Manufacturer
C66301U	29 U Tesoro Neo X 2 Remixte	SHIMANO	Contact Hub Manufacturer
C66401U	29 U Tesoro Neo X 3 Remixte	SHIMANO	Contact Hub Manufacturer
C15151F	650 F Topstone Crb Lefty 3	CANNONDALE	KP460/
C67300M	650 M Synapse Neo SE	CANNONDALE	KP459/
C15151M	650 M Topstone Crb Lefty 3	CANNONDALE	KP460/
C68101U	650 U Adventure Neo 1 EQ	SHIMANO	Contact Hub Manufacturer
C68201U	650 U Adventure Neo 2 EQ	SHIMANO	Contact Hub Manufacturer
C68301U	650 U Adventure Neo 3 EQ	SHIMANO	Contact Hub Manufacturer
C68401U	650 U Adventure Neo 4	SHIMANO	Contact Hub Manufacturer
C62101M	650 U Topstone Neo Crb 1 Lefty	CANNONDALE	K81088
C62151M	650 U Topstone Neo Crb 3 Lefty	CANNONDALE	KP460/
C62051U	650 U Topstone Neo Crb LE Lfty	CANNONDALE	K81088
C32100F	700 F Adventure 1	SHIMANO	Contact Hub Manufacturer
C13400F	700 F CAAD13 105	FULCRUM	Contact Hub Manufacturer
C13201F	700 F CAAD13 Disc 105	CANNONDALE	K81028
C31100F	700 F Quick 1	CANNONDALE	K81079
C31200F	700 F Quick 2	CANNONDALE	K81069
C31301F	700 F Quick 3	CANNONDALE	K81069
C31400F	700 F Quick 4	CANNONDALE	K81069
C31501F	700 F Quick 5	SHIMANO	Contact Hub Manufacturer
C31651F	700 F Quick 6 Remixte	SHIMANO	Contact Hub Manufacturer
C31151F	700 F Quick CX 1	SHIMANO	Contact Hub Manufacturer
C31251F	700 F Quick CX 2	SHIMANO	Contact Hub Manufacturer
C31351F	700 F Quick CX 3	SHIMANO	Contact Hub Manufacturer
C11750F	700 F S6 EVO Crb 105	FULCRUM	Contact Hub Manufacturer
C11751F	700 F S6 EVO Crb Disc 105	CANNONDALE	K81028
C17301F	700 F SuperX 2	CANNONDALE	K81028
C12501F	700 F Synapse 105	CANNONDALE	K81079
C12650F	700 F Synapse Al Disc Sora	CANNONDALE	K81058
C12371F	700 F Synapse Crb 105	CANNONDALE	K81028
C12400F	700 F Synapse Crb Disc Tgra	CANNONDALE	K81028
C12321F	700 F Synapse Crb Ult	FULCRUM	K81019
C12601F	700 F Synapse Tgra	CANNONDALE	K81069

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
C15701F	700 F Topstone 2	CANNONDALE	K81028
C15501F	700 F Topstone Crb 4	CANNONDALE	K81028
C32100M	700 M Adventure 1	SHIMANO	Contact Hub Manufacturer
C14101M	700 M CAAD Optimo 1	CANNONDALE	K81079
C14201M	700 M CAAD Optimo 2	CANNONDALE	K81069
C14301M	700 M CAAD Optimo 3	CANNONDALE	K81069
C14401M	700 M CAAD Optimo 4	CANNONDALE	K81069
C13400M	700 M CAAD13 105	FULCRUM	Contact Hub Manufacturer
C13471M	700 M CAAD13 105	FULCRUM	Contact Hub Manufacturer
C13470M	700 M CAAD13 105	FULCRUM	Contact Hub Manufacturer
C13301M	700 M CAAD13 Disc 105	CANNONDALE	K81028
C13101M	700 M CAAD13 Disc Ult	FULCRUM	Contact Hub Manufacturer
C13171M	700 M CAAD13 Disc Ult	FULCRUM	Contact Hub Manufacturer
C13201M	700 M CAAD13 Ult	FULCRUM	Contact Hub Manufacturer
C13271M	700 M CAAD13 Ult	FULCRUM	Contact Hub Manufacturer
C16101M	700 M CAADX 1	CANNONDALE	K81028
C16201M	700 M CAADX 2	CANNONDALE	K81028
C31100M	700 M Quick 1	CANNONDALE	K81079
C31200M	700 M Quick 2	CANNONDALE	K81069
C31300M	700 M Quick 3	CANNONDALE	K81069
C31400M	700 M Quick 4	CANNONDALE	K81069
C31500M	700 M Quick 5	SHIMANO	Contact Hub Manufacturer
C31601M	700 M Quick 6	SHIMANO	Contact Hub Manufacturer
C31151M	700 M Quick CX 1	SHIMANO	Contact Hub Manufacturer
C31251M	700 M Quick CX 2	SHIMANO	Contact Hub Manufacturer
C31351M	700 M Quick CX 3	SHIMANO	Contact Hub Manufacturer
C63251M	700 M Quick Neo	CANNONDALE	KP459/
C63100M	700 M Quick Neo EQ	CANNONDALE	KP459/
C11750M	700 M S6 EVO Crb 105	FULCRUM	Contact Hub Manufacturer
C11751M	700 M S6 EVO Crb Disc 105	CANNONDALE	K81028
C17201M	700 M SuperX 1	CANNONDALE	K81028
C17301M	700 M SuperX 2	CANNONDALE	K81028
C12501M	700 M Synapse 105	CANNONDALE	K81079
C12650M	700 M Synapse Al Disc Sora	CANNONDALE	K81058
C12371M	700 M Synapse Crb 105	CANNONDALE	K81028
C12400M	700 M Synapse Crb Disc Tgra	CANNONDALE	K81028
C12321M	700 M Synapse Crb Ult	FULCRUM	K81019
C12301M	700 M Synapse Crb Ult Di2	FULCRUM	K81019
C67100M	700 M Synapse Neo 1	CANNONDALE	KP464/
C67400M	700 M Synapse Neo 2	CANNONDALE	KP464/
C67200M	700 M Synapse Neo EQ	CANNONDALE	KP464/
C12601M	700 M Synapse Tgra	CANNONDALE	K81069
C15701M	700 M Topstone 1	CANNONDALE	K81028

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
C15861M	700 M Topstone 2	CANNONDALE	K81028
C15871M	700 M Topstone 3	CANNONDALE	K81028
C15801M	700 M Topstone 4	CANNONDALE	KP459/
C15501M	700 M Topstone Crb 4	CANNONDALE	K81028
C15601M	700 M Topstone Crb 5	CANNONDALE	K81028
C64101U	700 U Mavaro Neo 1	ENVILO	Contact Hub Manufacturer
C64201U	700 U Mavaro Neo 2	SHIMANO	Contact Hub Manufacturer
C64301U	700 U Mavaro Neo 3	SHIMANO	Contact Hub Manufacturer
C64401U	700 U Mavaro Neo 4	SHIMANO	Contact Hub Manufacturer
C64501U	700 U Mavaro Neo 5	SHIMANO	Contact Hub Manufacturer
C31351U	700 U Quick 3 Remixte	CANNONDALE	K81069
C31551U	700 U Quick 5 Remixte	SHIMANO	Contact Hub Manufacturer
C62201M	700 U Topstone Neo Crb 2	CANNONDALE	K81011
C62251M	700 U Topstone Neo Crb 4	SHIMANO	Contact Hub Manufacturer

Kick Stand Compatibility

2021

Category	Platform	Model	Model Year	Kickstand/Bequille	Cannondale Part#
Category	Platform	Model	Model Year	Kickstand/Bequille	Cannondale Part#
E-Bike	Canvas Neo	Canvas Neo 1	2020-2021	"18mm Pletscher Rear Mount (w/ K31010 Flip Chip)"	
		Canvas Neo 2		40mm Pletscher Rear Mount	KA056/
		Canvas Neo 1 Remixte		"18mm Pletscher Rear Mount (w/ K31010 Flip Chip)"	
		Canvas Neo 2 Remixte		40mm Pletscher Rear Mount	KA056/
	Mavaro Neo	Mavaro Neo 1-5	2021	18mm Pletscher Rear Mount	
	Quick Neo	Quick Neo EQ	2019-2021	18mm Pletscher Rear Mount	
		Quick Neo			
		Quick Neo SL	2020-2021	Center Mount	C4KSCM01BLK
		Quick Neo SL Remixte			
	Synapse Neo	Synapse Neo 1 & 2	2019-2021	18mm Pletscher Rear Mount	
		Synapse Neo SE			
		Synapse Neo EQ			
	Tesoro Neo	Tesoro Neo X 1 & 2	2020-2021	"18mm Pletscher Rear Mount (w/ K31010 Flip Chip)"	
		Tesoro Neo X 3		40mm Pletscher Rear Mount	KA056/
		Tesoro Neo X 1 & 2 Remixte		"18mm Pletscher Rear Mount (w/ K31010 Flip Chip)"	
		Tesoro Neo X 3 Remixte		40mm Pletscher Rear Mount	KA056/
	Trail Neo	Trail Neo 1-3	2020-2021	"18mm Pletscher Rear Mount (w/ K31010 Flip Chip)"	
		Trail Neo 4		40mm Pletscher Rear Mount	KA056/
		Trail Neo S	2021		
	Treadwell Neo	Treadwell Neo EQ	2020-2021	Center Mount	C4KSCM01BLK
		Treadwell Neo			
		Treadwell Neo EQ Remixte			
		Treadwell Neo Remixte			
					Continued next page

Kick Stand Compatibility

Category	Platform	Model	Model Year	Kickstand/Bequille	Cannondale Part#
Mountain	Trail	Trail SL 1-4	2021	"18mm Pletscher Rear Mount (w/ K31010 Flip Chip)"	
		Trail SE 1-4			
		Trail 5-8	2020-2021	"Center Mount (w/ Greenfield retro plate)"	
Rec/Urban	Bad Boy	Bad Boy 1	2017-2021	"Center Mount (w/ K91119 bolt on plate)"	C4KSCM01BLK
		Bad Boy 2 & 3		Center Mount	
	Quick	Quick Disc 1-5	2020-2021	Cannondale Si V3	CP1607U000OS
		Quick Disc Remixte 3 & 5			
		Quick 6			
		Quick 6 Remixte			
	Quick CX	Quick CX 1-4	2021	Cannondale Si V3	CP1607U000OS
	Treadwell	Treadwell EQ	2020-2021	Center Mount	C4KSCM01BLK
		Treadwell 1-3			
		Treadwell EQ Remixte			
		Treadwell 1-3 Remixte			

Thru Axles

2020

Front

Model Year	Platform	Spacing	Thread Pitch	Overall Length	Part Number
2021	Scalpel	Contact Fork Manufacturer			
2021	Topstone Neo Carbon	110×12mm	Maxle M12×1.5	135mm	K83011
2021	Trail SE/Trail SL	Contact Fork Manufacturer			
2021	Trail Neo S	Contact Fork Manufacturer			
2021	Topstone Neo SL	100×12mm	Speed Release, Double Lead M12×1.0	119mm	K83019
2021	CAADX	100×12mm	Maxle M12×1.5	125mm	K83038
2019-2021	Jekyll 29	Contact Fork Manufacturer			
2019-2021	Habit	Contact Fork Manufacturer			
2019-2021	F-Si	Contact Fork Manufacturer			
2020-2021	Supersix Evo Disc	100×12mm	Speed Release, Double Lead M12×1.0	119mm	K83019
2019-2021	SystemSix	100×12mm	Speed Release, Double Lead M12×1.0	119mm	K83019
2019-2021	SuperSlice	100×12mm	Syntace M12×1.0	122mm	CK8067U00OS
2020-2021	CAAD13 Disc	100×12mm	Speed Release, Double Lead M12×1.0	119mm	K83019
2018-2021	Synapse Carbon	100×12mm	Maxle M12×1.5	125mm	K83038
2019-2021	Synapse Alloy	100×12mm	Maxle M12×1.5	125mm	K83038
2017-2021	SuperX	100×12mm	Maxle M12×1.5	125mm	KP457/
2019-2021	Topstone Alloy	100×12mm	Maxle M12×1.5	125mm	K83038
2020-2021	Topstone Carbon	100×12mm	Speed Release, Double Lead M12×1.0	119mm	K83000
2020-2021	Quick	100×12mm	Maxle M12×1.5	125mm	K83038
2020-2021	Habit Neo	Contact Fork Manufacturer			
2020-2021	Moterra Neo	Contact Fork Manufacturer			
2020-2021	Trail Neo Performance Gen4	Contact Fork Manufacturer			
2020-2021	Tesoro Neo X Gen4	Contact Fork Manufacturer			
2020-2021	Canvas Neo Gen4	110×15mm	Maxle M15×1.5	148mm	N/A
2020-2021	Trail Neo Performance Gen2/3	Contact Fork Manufacturer			
2020-2021	Tesoro Neo X Gen2/3	Contact Fork Manufacturer			
2020-2021	Canvas Neo Gen2/3	110×15mm	Maxle M15×1.5	148mm	N/A
2019-2021	Synapse Neo	100×12mm	Maxle M12×1.5	125mm	K83038
2020-2021	SuperSix Evo Neo	100×12mm	Speed Release, Double Lead M12×1.0	119mm	K83019
2020-2021	Quick Neo SL	100×12mm	Maxle M12×1.5	125mm	K83038

Thru Axles

Rear

Model Year	Platform	Spacing	Thread Pitch	Overall Length	Part Number
2021	Scalpel	148×12mm	Speed Release, Single Lead M12×1.0	176mm	K83061
2021	Topstone Neo Carbon	148×12mm	Syntace M12×1.0	168mm	K83078
2021	Trail SE/Trail SL	148×12mm	Maxle M12×1.75	174mm	N/A
2021	Trail Neo S	148×12mm	Maxle M12×1.75	180mm	N/A
2021	Topstone Neo SL	EBM X35			N/A
2021	CAADX	142×12mm	Syntace M12×1.0	160mm	N/A
2019-2021	Jekyll 29	148×12mm	Maxle M12×1.75	180mm	N/A
2019-2021	Habit	148×12mm	Maxle M12×1.75	180mm	N/A
2019-2021	F-Si	148×12mm	Speed Release, Single Lead M12×1.0	165mm	K83028
2020-2021	Supersix Evo Disc	142×12mm	Speed Release, Double Lead M12×1.0	165mm	K83029
2019-2021	SystemSix	142×12mm	Speed Release, Double Lead M12×1.0	165mm	K83029
2019-2021	SuperSlice	142×12mm	Syntace M12×1.0	167mm	CK8027U00OS
2020-2021	CAAD13 Disc	142×12mm	Speed Release, Double Lead M12×1.0	165mm	K83029
2018-2021	Synapse Carbon	142×12mm	Syntace M12×1.0	165mm	K83058
2019-2021	Synapse Alloy	QR 135×9			N/A
2017-2021	SuperX	142×12mm	Syntace M12×1.0	177mm	KP190/
2019-2021	Topstone Alloy	142×12mm	Syntace M12×1.0	165mm	K83058
2020-2021	Topstone Carbon	142×12mm	Speed Release, Double Lead M12×1.0	165mm	K83010
2020-2021	Quick	QR 135×9			N/A
2020-2021	Habit Neo	148×12mm	Maxle M12×1.75	180mm	N/A
2020-2021	Moterra Neo	148×12mm	Maxle M12×1.75	180mm	N/A
2020-2021	Trail Neo Performance Gen4	148×12mm	Maxle M12×1.75	188mm	N/A
2020-2021	Tesoro Neo X Gen4	148×12mm	Maxle M12×1.75	188mm	N/A
2020-2021	Canvas Neo Gen4	148×12mm	Maxle M12×1.75	188mm	N/A
2020-2021	Trail Neo Performance Gen2/3	148×12mm	Syntace M12×1.0	168mm	K83078
2020-2021	Tesoro Neo X Gen2/3	148×12mm	Syntace M12×1.0	168mm	K83078
2020-2021	Canvas Neo Gen2/3	148×12mm	Syntace M12×1.0	168mm	K83078
2019-2021	Synapse Neo	142×12mm	Syntace M12×1.0	160mm	N/A
2020-2021	SuperSix Evo Neo	EBM X35			N/A
2020-2021	Quick Neo SL	EBM X35			N/A

Hollowgram Wheel Specs

2020

Description	Description	Axle	Spoke Count	Spoke Type	Rim Width (EXT)	Rim Width (INT)	Rim Type
Road/Gravel							
HG 64 SL KNØT Rear 142 x 12	HG 64 SL KNØT 700c	12x142mm	24	DT Swiss Aerolite - Straight Pull	32mm	21mm	Tubeless-ready clincher
HG 64 SL KNØT Front 100 x 12		12x100mm	20	DT Swiss Aerolite - Straight Pull	32mm	21mm	Tubeless-ready clincher
HG 64 KNØT Rear 142 x 12	HG 64 KNØT 700c	12x142mm	24	HollowGram 2.0/1.8/2.0 - Straight Pull	32mm	21mm	Tubeless-ready clincher
HG 64 KNØT Front 100 x 12		12x100mm	20	HollowGram 2.0/1.8/2.0 - Straight Pull	32mm	21mm	Tubeless-ready clincher
HG 45 SL KNØT Rear 142 x 12	HG 45 SL KNØT 700c	12x142mm	24	DT Swiss Aerolite - Straight Pull	32mm	21mm	Tubeless-ready clincher
HG 45 SL KNØT Front 100 x 12		12x100mm	20	DT Swiss Aerolite - Straight Pull	32mm	21mm	Tubeless-ready clincher
HG 45 KNØT Rear 142 x 12	HG 45 KNØT 700c	12x142mm	24	HollowGram 2.0/1.8/2.0 - Straight Pull	32mm	21mm	Tubeless-ready clincher
HG 45 KNØT Front 100 x 12		12x100mm	20	HollowGram 2.0/1.8/2.0 - Straight Pull	32mm	21mm	Tubeless-ready clincher
HG 35 Disc Rear 142 x 12	HG 35 Disc 700c	12x142mm	28	HollowGram 2.0/1.8/2.0 - Straight Pull	25mm	19mm	Tubeless-ready clincher
HG 35 Disc Front 100 x 12		12x100mm	24	HollowGram 2.0/1.8/2.0 - Straight Pull	25mm	19mm	Tubeless-ready clincher
HG 22 700c Rear 142 x 12	HG 22 700c	12x142mm	28	HollowGram 2.0/1.8/2.0 - Straight Pull	32mm	25mm	Tubeless-ready clincher
HG 22 700c Front 100 x 12		12x100mm	24	HollowGram 2.0/1.8/2.0 - Straight Pull	32mm	25mm	Tubeless-ready clincher
Mountain							
HG 23 SL 29" Rear 142 x 12	HG 23 SL 29"	12x142mm	28	DT Swiss Competition Race - Straight Pull	29mm	23mm	Tubeless-ready clincher
HG 23 SL 29" Rear 148 x 12		12x148mm	28	DT Swiss Competition Race - Straight Pull	29mm	23mm	Tubeless-ready clincher
HG 23 SL 29" Front Lefty 60		Lefty	28	DT Swiss Competition Race - Straight Pull	29mm	23mm	Tubeless-ready clincher
HG 23 SL 27.5" Rear 142 x 12	HG 23 SL 27.5"	12x142mm	28	DT Swiss Competition Race - Straight Pull	29mm	23mm	Tubeless-ready clincher
HG 23 SL 27.5" Front Lefty 60		Lefty	28	DT Swiss Competition Race - Straight Pull	29mm	23mm	Tubeless-ready clincher
HG 23 29" Rear 142 x 12	HG 23 29"	12x142mm	28	HollowGram 2.0/1.8/2.0 - Straight Pull	29mm	23mm	Tubeless-ready clincher
HG 23 29" Rear 148 x 12		12x148mm	28	HollowGram 2.0/1.8/2.0 - Straight Pull	29mm	23mm	Tubeless-ready clincher
HG 23 29" Front Lefty 60		Lefty	28	HollowGram 2.0/1.8/2.0 - Straight Pull	29mm	23mm	Tubeless-ready clincher
HG 23 27.5" Rear 142 x 12	HG 23 27.5"	12x142mm	28	HollowGram 2.0/1.8/2.0 - Straight Pull	29mm	23mm	Tubeless-ready clincher
HG 23 27.5" Rear 148 x 12		12x148mm	28	HollowGram 2.0/1.8/2.0 - Straight Pull	29mm	23mm	Tubeless-ready clincher
HG 23 27.5" Front Lefty 60		Lefty	28	HollowGram 2.0/1.8/2.0 - Straight Pull	29mm	23mm	Tubeless-ready clincher

Hollowgram Wheel Specs

2020

	<u>Tire Width Size Range</u>	<u>Dish / Offset</u>	<u>Max Tire Pressure</u>	<u>Hub</u>	<u>Brake Type</u>	<u>Rider Weight limit</u>	<u>Recommended spoke tension</u>	<u>Spoke Length (NDS/DS)</u>	<u>ERD</u>
	23-42mm	0	125 psi - 23mm	HollowGram w/ DT Swiss 240 internals, Star Ratchet, 12x142mm	Centerlock Disc	220 lbs	105-130 kgf	262/264mm	511mm
	23-42mm	0	125 psi - 23mm	HollowGram KNØT, 12x100mm	Centerlock Disc	220 lbs	100-125 kgf	271/271mm	511mm
	23-42mm	0	125 psi - 23mm	HollowGram w/ DT Swiss 350 internals, Star Ratchet, 12x142mm	Centerlock Disc	220 lbs	105-130 kgf	262/264mm	511mm
	23-42mm	0	125 psi - 23mm	HollowGram KNØT, 12x100mm	Centerlock Disc	220 lbs	100-125 kgf	271/271mm	511mm
	23-42mm	0	125 psi - 23mm	HollowGram w/ DT Swiss 240 internals, Star Ratchet, 12x142mm	Centerlock Disc	220 lbs	105-130 kgf	281/283mm	549mm
	23-42mm	0	125 psi - 23mm	HollowGram KNØT, 12x100mm	Centerlock Disc	220 lbs	100-125 kgf	289/289mm	549mm
	23-42mm	0	125 psi - 23mm	HollowGram w/ DT Swiss 350 internals, Star Ratchet, 12x142mm	Centerlock Disc	220 lbs	105-130 kgf	281/283mm	549mm
	23-42mm	0	125 psi - 23mm	HollowGram KNØT, 12x100mm	Centerlock Disc	220 lbs	100-125 kgf	289/289mm	549mm
	23-40mm	0	105 psi - 25mm	HollowGram 3-Pawl, 12x142mm	Centerlock Disc	220 lbs	110-145 kgf	297/297mm	568mm
	23-40mm	0	105 psi - 25mm	HollowGram, 12x100mm	Centerlock Disc	220 lbs	90-130 kgf	293/278mm	568mm
	35-50mm	AI +6mm	62 psi - 37mm	HollowGram 3-Pawl, 12x142mm	Centerlock Disc	220 lbs	110-135 kgf	303/303mm	596mm
	35-50mm	0	62 psi - 37mm	HollowGram, 12x100mm	Centerlock Disc	220 lbs	105-130 kgf	297/282mm	596mm
	2.0"-2.3"	AI +6mm	45 psi - 2.25"	HollowGram w/ DT Swiss 350 internals, Star Ratchet, 12x142mm	6-Bolt Disc	245 lbs	110-135 kgf	305/305mm	597mm
	2.0"-2.3"	AI +3mm	45 psi - 2.25"	HollowGram w/ DT Swiss 350 internals, Star Ratchet, 12x148mm	6-Bolt Disc	245 lbs	110-135 kgf	305/305mm	597mm
	2.0"-2.3"	0	45 psi - 2.25"	HollowGram Lefty 60mm	6-Bolt Disc	245 lbs	105-130 kgf	303/303mm	597mm
	2.0"-2.3"	AI +6mm	45 psi - 2.25"	HollowGram w/ DT Swiss 350 internals, Star Ratchet, 12x142mm	6-Bolt Disc	245 lbs	110-135 kgf	285/285mm	558mm
	2.0"-2.3"	0	45 psi - 2.25"	HollowGram Lefty 60mm	6-Bolt Disc	245 lbs	105-130 kgf	283/283mm	558mm
	2.0"-2.3"	AI +3mm	45 psi - 2.25"	HollowGram w/ DT Swiss 370 internals, 12x142mm	6-Bolt Disc	245 lbs	110-135 kgf	305/305mm	597mm
	2.0"-2.3"	AI +3mm	45 psi - 2.25"	HollowGram w/ DT Swiss 370 internals, 12x148mm	6-Bolt Disc	245 lbs	110-135 kgf	305/305mm	597mm
	2.0"-2.3"	0	45 psi - 2.25"	HollowGram Lefty 60mm	6-Bolt Disc	245 lbs	105-130 kgf	303/303mm	597mm
	2.0"-2.3"	AI +3mm	45 psi - 2.25"	HollowGram w/ DT Swiss 370 internals, 12x142mm	6-Bolt Disc	245 lbs	110-135 kgf	285/285mm	558mm
	2.0"-2.3"	AI +3mm	45 psi - 2.25"	HollowGram w/ DT Swiss 370 internals, 12x148mm	6-Bolt Disc	245 lbs	110-135 kgf	285/285mm	558mm
	2.0"-2.3"	0	45 psi - 2.25"	HollowGram Lefty 60mm	6-Bolt Disc	245 lbs	105-130 kgf	283/283mm	558mm

Cannondale
www.cannondale.com

©2020 Cycling Sports Group, Inc.