

A person wearing a white t-shirt and a helmet is riding a teal Cannondale mountain bike on a dirt trail. The bike has a teal frame, black handlebars, and a black front fork. The rider is wearing a white t-shirt with a graphic design that includes the words "ROCK JETTER" and "TEAM". The background is a dirt trail with some grass and a warm, orange-toned sky.

2020

TECH BOOK

cannondale

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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

General Information

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
	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.

Abbreviations:

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

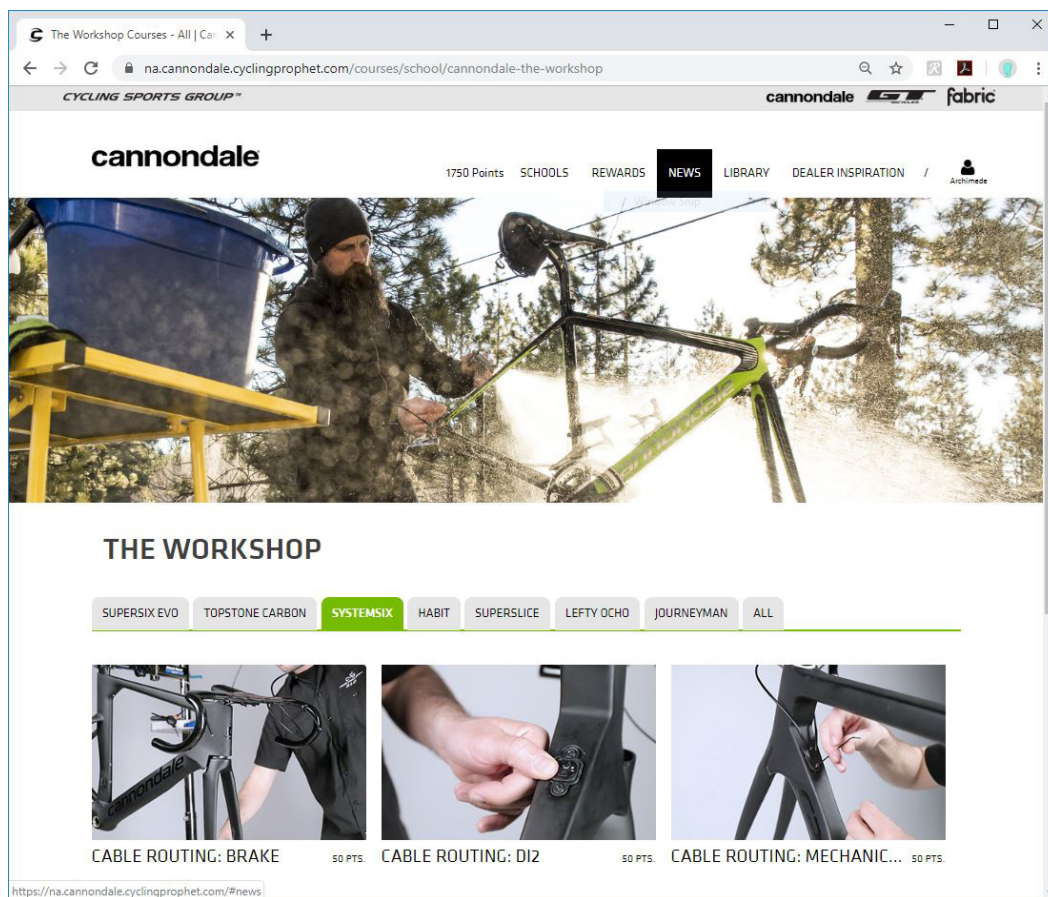
2019 - 2020

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

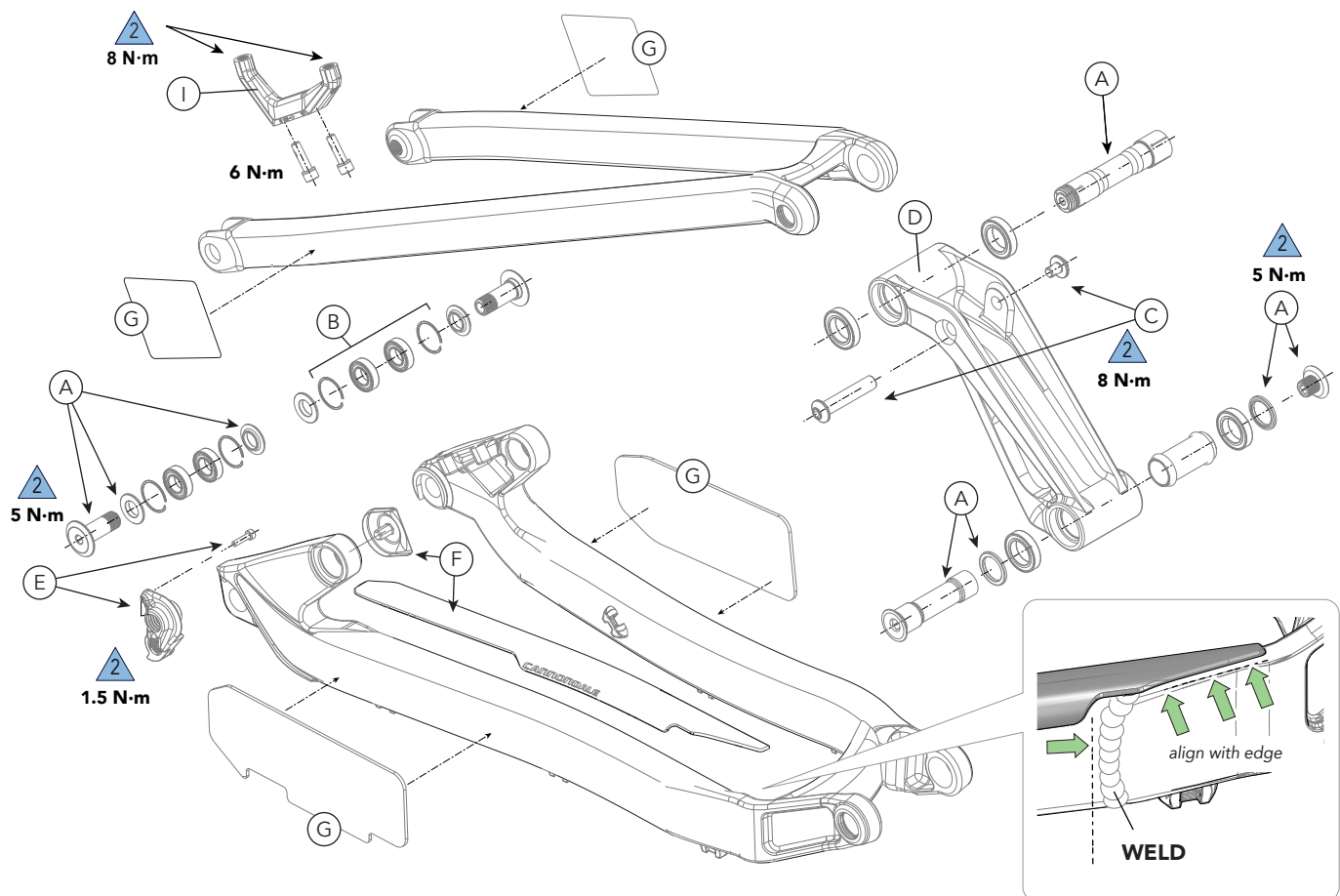
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Jekyll 29

2019 - 2020

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

Item	Specification
Chain Guide	ISCG 05
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

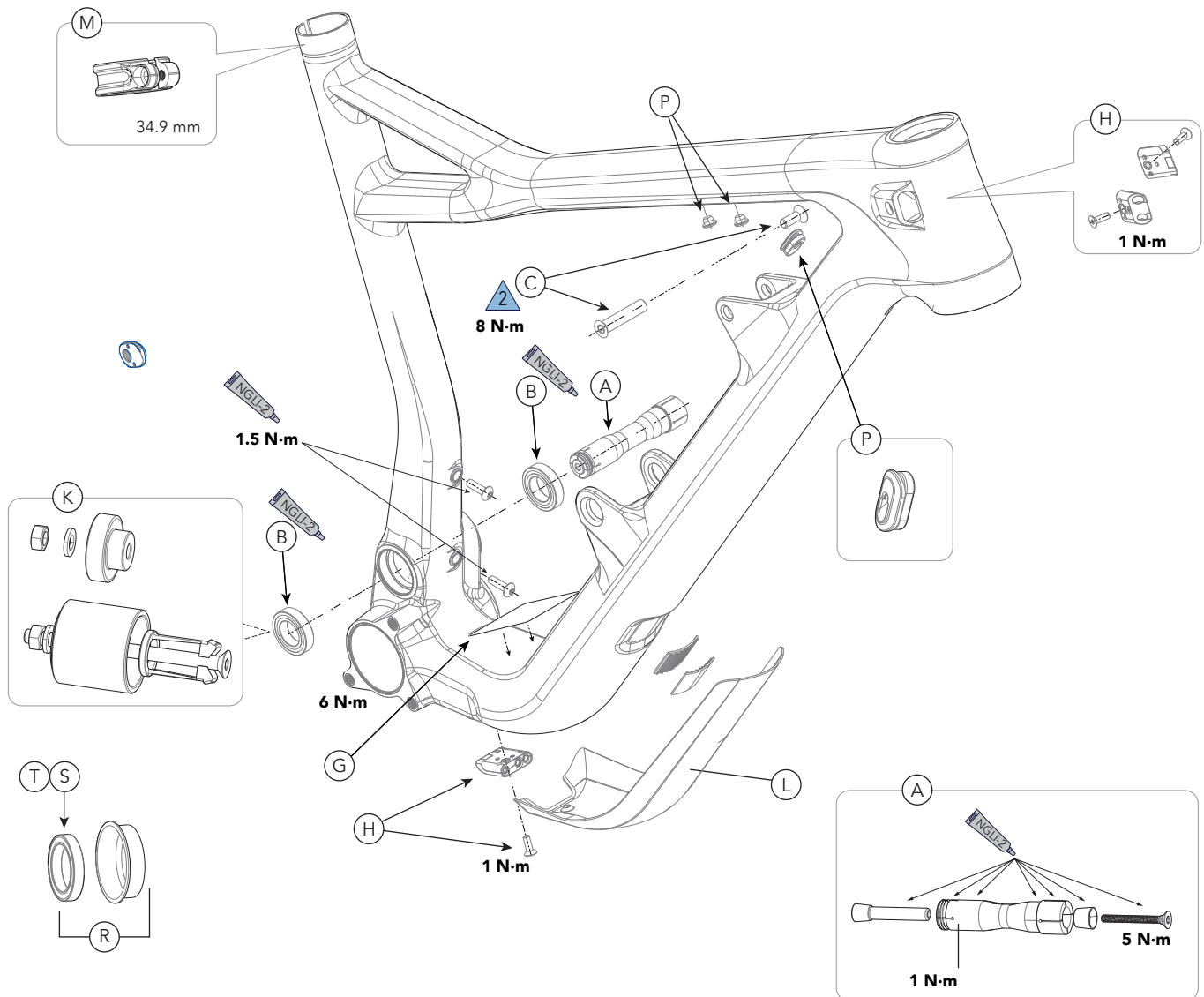


ID	Part Number	Description
A	CK3157U00OS	Jekyll Pivot HDWE
B	CK3167U00OS	Jekyll Pivot BRGS
C	CK3207U00OS	Jekyll CRB Shock Mount HDWE
D	K36119	Jekyll Suspension Link 29 BLK
E	CK3257U00OS	Derailleur Hanger TA ST SS 015
F	CK3217U00OS	Jekyll Ai Chain Stay Protector
G	K34058	Jekyll/Trigger Alloy CS Heel Rub Guard

ID	Part Number	Description
I	KP421/160	Brake MNT Flat 160 mm
I	KP421/180	Brake MNT Flat 180 mm
P	CK3187U00OS	Jekyll/Trigger Grommets
M	KP388/	Seatbinder MTN 34.9

Jekyll 29

2019 - 2020

See **LOCKR** for instructions.

ID	Part Number	Description
H	KP436/	Modular CBL Guides HT DT BB
K	CK9017U00OS	17×30 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

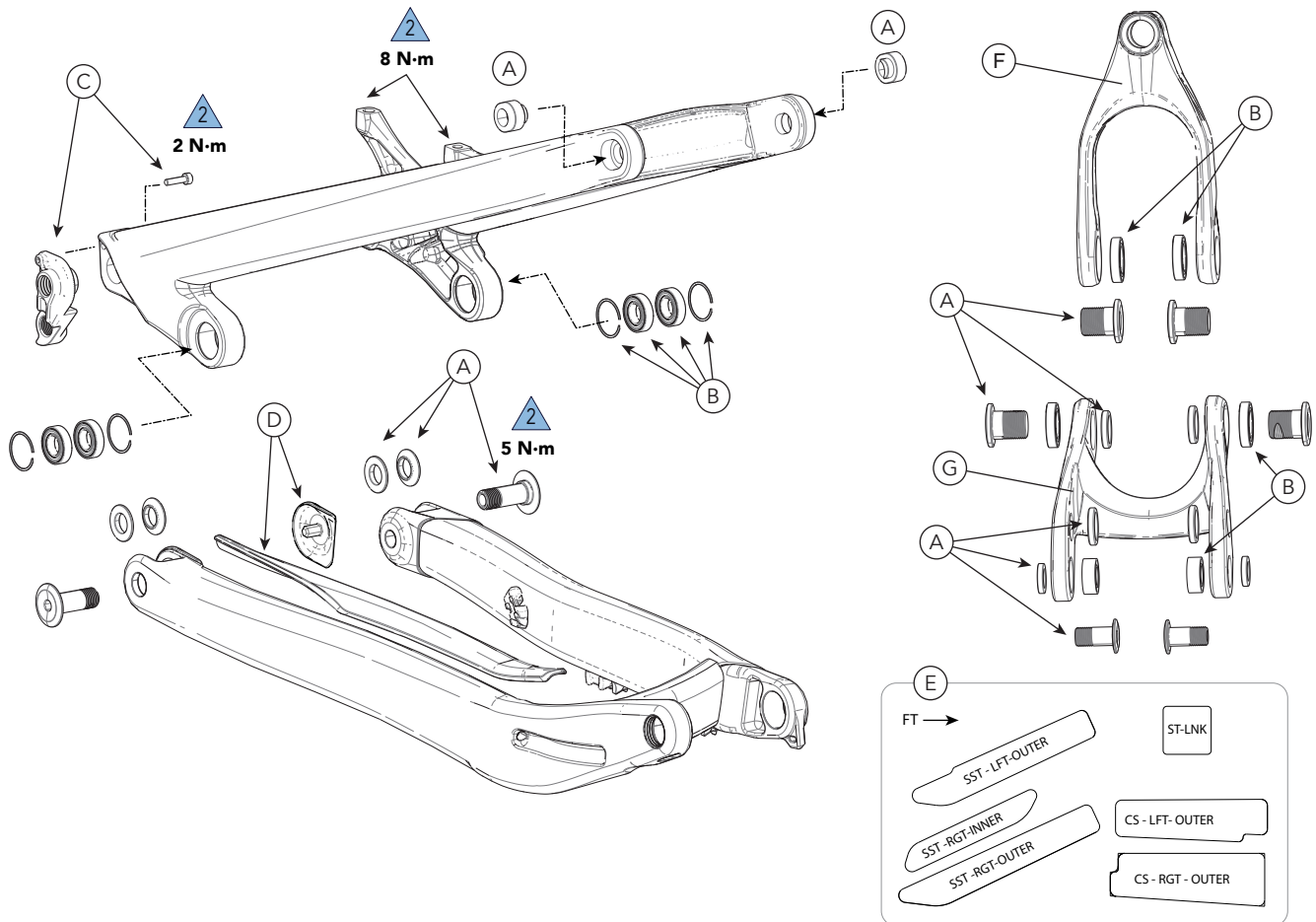
Habit

2019 - 2020

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 Chaining: +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

cycling prophet
Service Videos Available Online



ID	Part Number	Description	CRB	ALLY
A	K36169	Habit Pivot Hardware	✓	✓
B	K36179	Habit Pivot CS SS Link Brgs	✓	✓
C	CK3257U00OS	Derailleur Hanger TA ST SS 015	✓	✓
D	K34129	Chainstay and Horst Pivot Protectors	✓	✓
E	K34239	Habit CS SS ST Clear Protectors	✓	✓

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

2019 - 2020



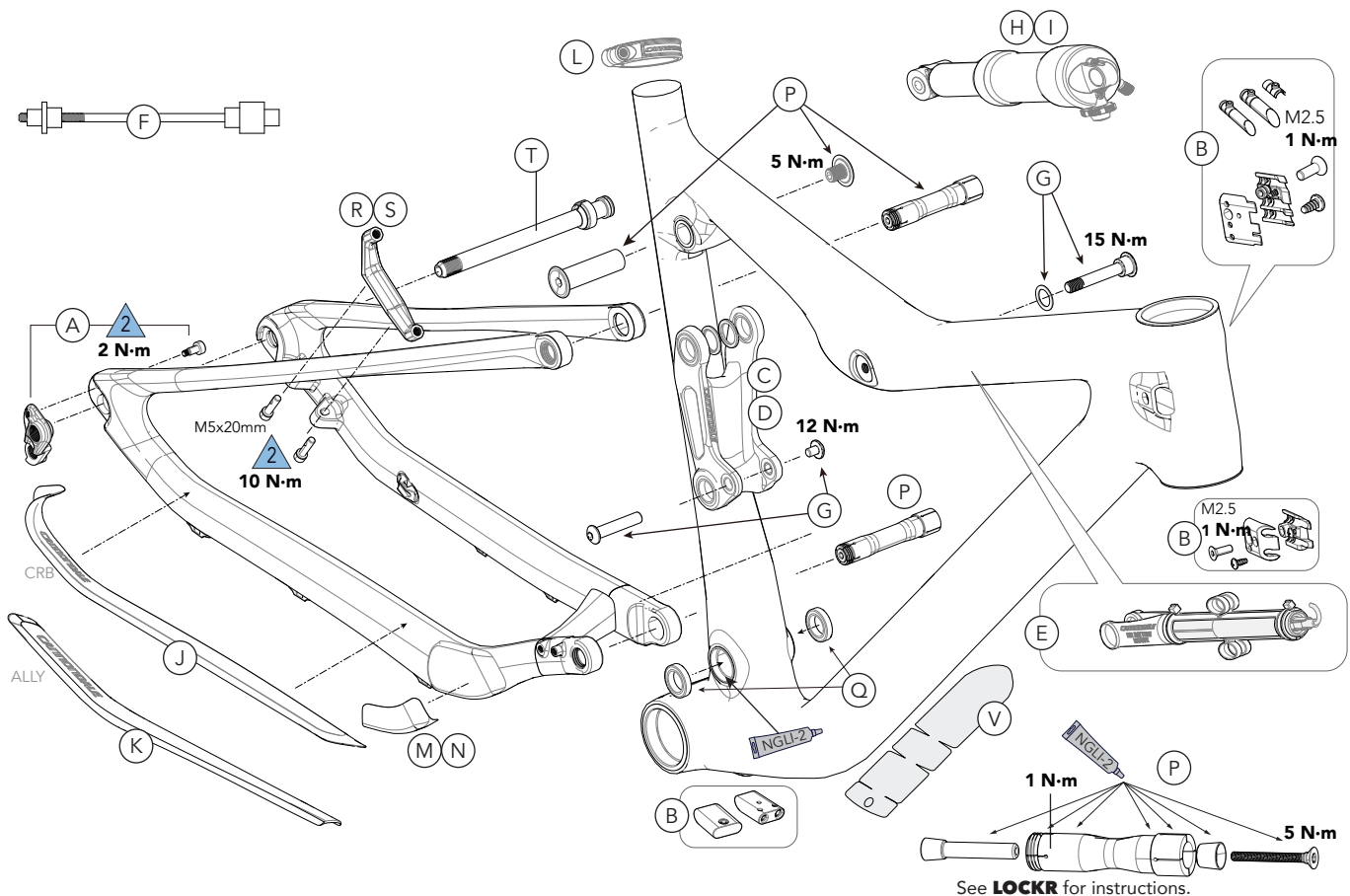
ID	Part Number	Description	CRB	ALLY
M	KP197/SRM	PF30 Bottom Bracket Cups And Bearings	✓	
N	KB6180/	BB30 Bearing Blue (QTY 2)	✓	
O	K22037	BB30 Bearing Blue (QTY 24)	✓	
P	CK9017U00OS	17X30 Bearing Tool	✓	✓
--	K11039	Habit Fork Mudguard	✓	✓

Scalpel Si

2017 - 2020

Item	Specification
Rear Travel	Scalpel Si: 100 mm , SE: 115 mm
Head Tube	Cannondale Si
Bottom Bracket Type/ Width	CRB: PF30 / 83 mm, ALLY: BB30 / 83 mm
Front Derailleur	S3 Direct Mount, Side Swing
Seat Post Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	120 mm
▲ Tire Size/ Max Tire Width	Scalpel Si 27.5: 27.5 in x 2.30 in, Scalpel Si 29: 29 in x 2.30 in
▲ Max. Fork Length	Scalpel Si 27.5: 490 mm, Scalpel Si 29: 510 mm
Rear Shock: Eye-To-Eye / Stroke / Bushing Width	190 mm / 45 mm (Scalpel SE: 51 mm) / FT 30 x 8 mm, RR: 30 x 8 mm

Item	Specification
Sag	25%, 12 mm
ISCG	N/A
Rear Brake: Mount Type / Min/Max Rotor Dia.	Flat Mount / 160 mm / 180 mm
Axle: Type / Length	RR: Syntace TA / 142 mm x 12 mm
Ai Offset:	Rear Wheel: 6 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



Replacement Parts

ID	Part Number	Description	CRB	ALLY
A	KP432/	Derailleur Hanger TA ST SS 035	✓	✓
B	KP436/	Modular CBL Guides HT DT BB	✓	✓
C	KP437/29	Scalpel Si 29 CRB Link w/ BRGS	✓	✓
D	KP437/27	27.5 M Scalpel Si CRB Link	✓	✓
E	KP439/	Scalpel Si Di2 Battery Mount	✓	✓
F	KT041/	Ai Truing Wheel Axle	✓	✓
G	KP433/	Scalpel Si Shock Mount Hdwe	✓	✓
H	KP441/	Shock Scalpel Si Monarch FS	✓	✓
I	KP442/	Rear Shock Scalpel Si Monarch	✓	✓
J	KP443/	Scalpel Si CRB CS Protector	✓	✓
K	KP444/	Scalpel Si Ai CS Protector	✓	✓
L	KP388/	Seatbinder MTN Bolt 34.9	✓	✓
--	KF115/	Carbon Seatpost Gel	✓	✓
M	K3407729	Scalpel Si Chainsuck Protect 29	✓	✓
N	K3407727	Scalpel Si Chainsuck Protect 27.5	✓	✓
P	KP435/	Scalpel Si Link Hardware	✓	✓
Q	K36087	Pivot Bearing 6802 (QTY 2)	✓	✓

ID	Part Number	Description	CRB	ALLY
--	HD169/	Bearings 1.56 Headset (QTY 2)	✓	✓
--	QSISEAL/	Seal Upper Bearing 58 mm OD	✓	✓
--	K35059	Headset Si to Tapered Steer Stop (XS-S)	✓	✓
--	K35019	Headset Si to Tapered with Drop-in Cup (M-XL)	✓	✓
--	KP205/	Headset Integrated Headshok To Taper	✓	✓
--	KP197/SRM	PF30 Bottom Bracket Cups/ Brgs	✓	✓
R	KP421/160	Brake Mount Flat 160 mm	✓	✓
S	KP421/180	Brake Mount Flat 180 mm	✓	✓
--	KF103/	Scuffguard (QTY 8)	✓	✓
--	KB6180/	BB30 Bearing Blue (QTY 2)	✓	✓
--	K22037	BB30 Bearing Blue (QTY 24)	✓	✓
--	QC616/	BB Si Circlips (QTY 2)	✓	✓
V	KP496/	DT Scuff Guard	✓	✓
T	KP190/	Syntace X-12 Thru Axle 142x12 mm	✓	✓
	K35009	SL Compression Plug w/ Top Cap	✓	✓
	KP213/BLK	Si Headtube Spacer	✓	✓

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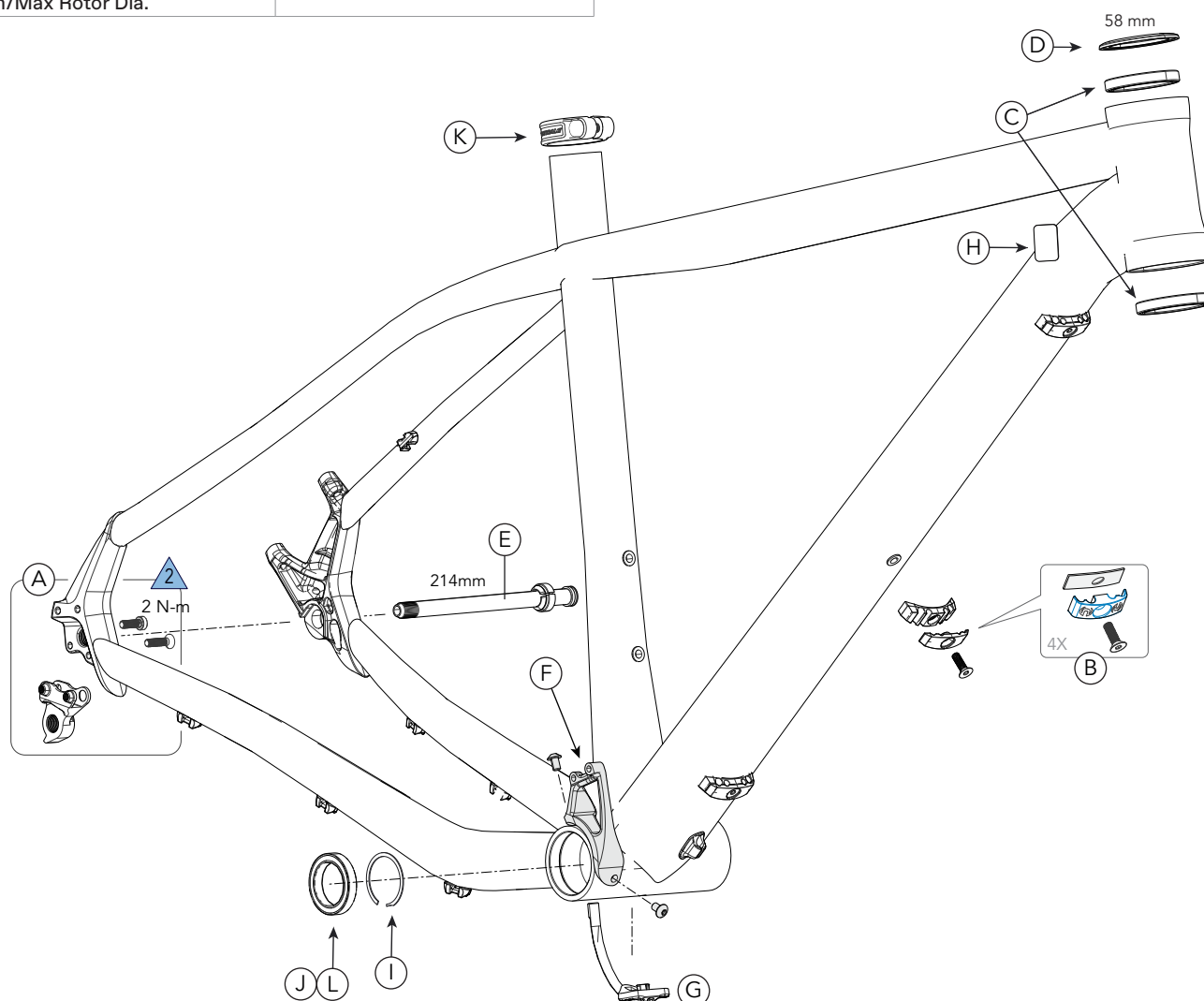
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Fat CAAD

2016 - 2020

Item	Specification
Head Tube	Cannondale Si
Bottom Bracket Type/ Width	BB30 / 120 mm
Front Derailleur	S3 Direct Mount
Seat Post Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	100 mm
▲ Tire Size x Max. Width	MY16-19 : 26 in x 4.8 in (measured) MY20 : 27.5 x 4.25 (measured)
▲ Max. Fork Length	511 mm
Rear Brake: Mount Type / Min/Max Rotor Dia.	Post Mount / 160 mm / 180 mm

Item	Specification
Axles: Type/Length	RR: TA / 197 x 12 mm x 1.0p 214 mm Length FR: TA / 150 x 15 mm x 1.5p 190 mm Length
Ai Offset:	Hollowgram SpideRing: Fat CAAD Offset (9 mm)
▲ Intended Use	ASTM CONDITION 3, Hardtails.
▲ Max. Weight Limit Total (Rider + all Equipment)	305 lbs / 138 kg



ID	Part Number	Description
A	KP173/	Derailleur Hanger TA ST DS 026
B	KP290/	Guide Housing Bolt x4
C	HD169/	Bearings 1.56 Headset (QTY 2)
D	QSISEAL/	Seal Upper Bearing 58 mm OD
E	KP400/	Syntace x-12 TA 197x12 214 mm
F	KP401/	Fat CAAD Front Derailleur Mount
G	KP404/	Fat CAAD Cable Guides
H	KF103/	Scuffguard (QTY 8)

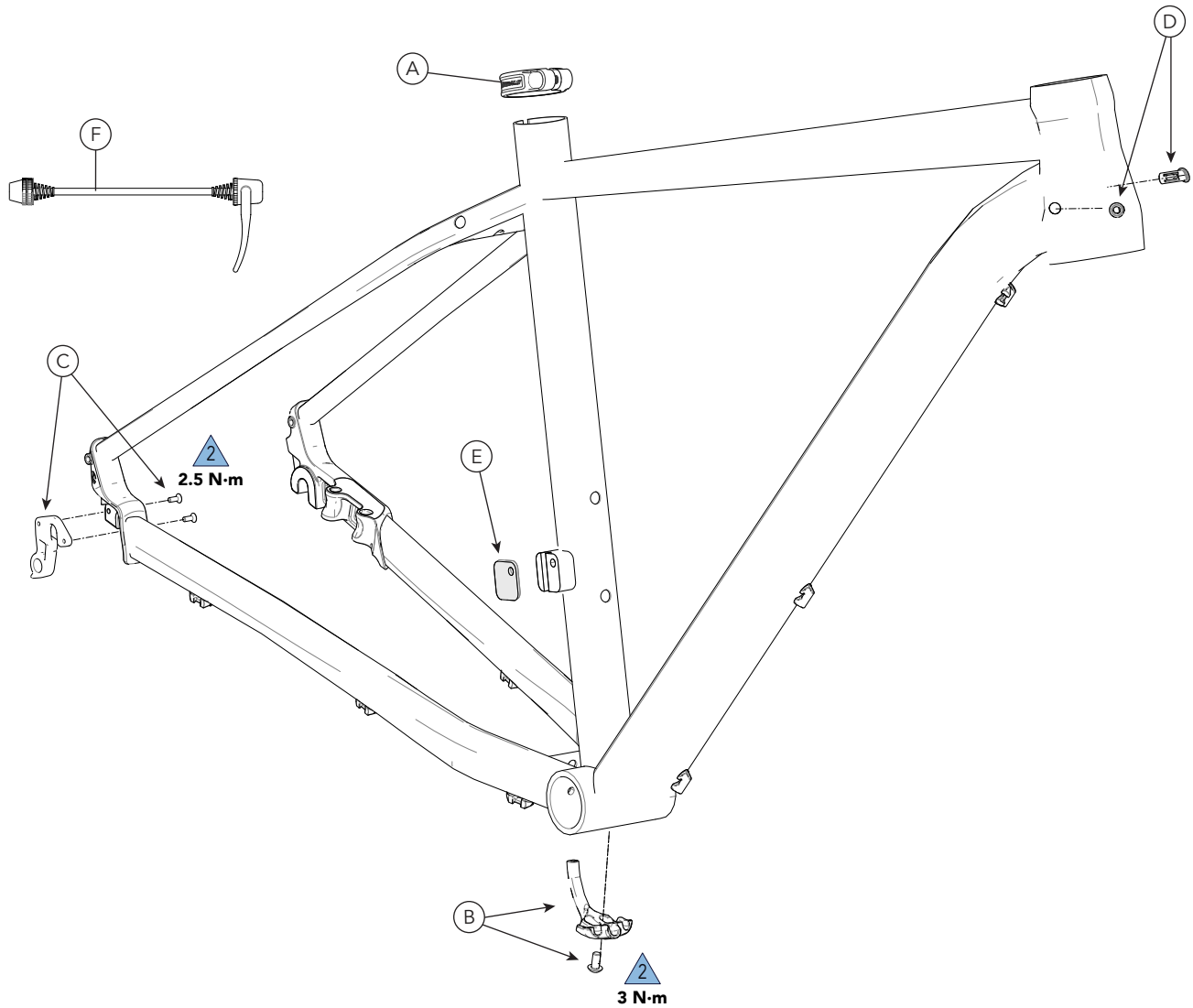
ID	Part Number	Description
I	QC616/	BB Si Circlips (QTY 2)
J	KB6180/	BB30 Bearing Blue (QTY 2)
K	KP388/	Seatbinder MTN Bolt 34.9
L	K22037	BB30 Bearing Blue (QTY 24)
	KP205/	Headset Integrated Headshok To Taper

Trail SL / Cujo / Tango / Scarlet

2018 - 2020

Item	Specification
Head Tube	UPR: 1-1/8 in LWR: 1-1/2 in
Bottom Bracket Type/ Width	BSA 73 mm
Front Derailleur	Direct Mount, Down-Swing
Seat Post Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	100 mm
▲ Tire Size x Max. Width	27.5 in x 2.8 in (measured) 29 in x 2.3 in (measured)
▲ Max. Fork Length	530 mm
Rear Brake: Mount Type / Min/ Max Rotor Dia.	Flat Mount / 160 mm

Item	Specification
Rear Axle: Type/Length	QR / 141 × 9 mm, 158 mm
Ai Offset:	N/A
▲ Intended Use	ASTM CONDITION 3, Hardtails.
▲ Max. Weight Limit Total (Rider + all Equipment)	355 lbs / 161 kg

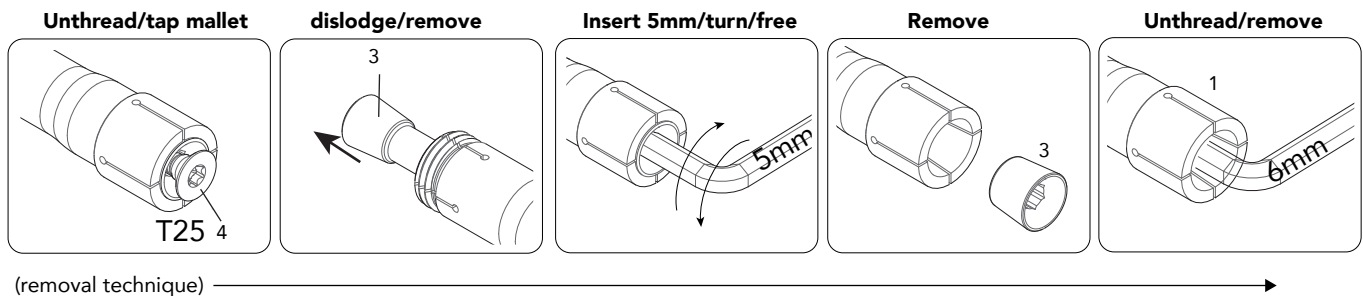
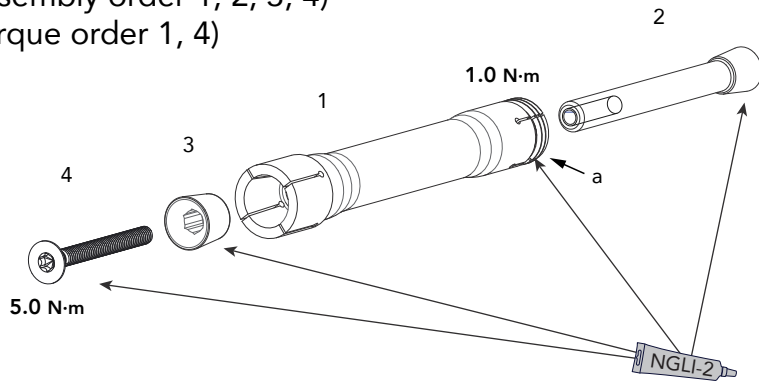


ID	Part Number	Description
A	KP170/BLK	Seatbinder MTN QR 34.9 BLK
B	K32058	Trail Bottom Bracket Cable Guide
C	KP284/	Derailleur Hanger QR ST SS 028
D	K32068	Trail Head Tube Cable Guides

ID	Part Number	Description
E	KP424/	Front Derailleur Mount Cover
F	K83039	QR Skewer 141×9 158 mm

LockR Pivot

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



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 N·m using a 6 mm hex key fitted torque wrench from the non-drive side.

NOTICE

Use a calibrated torque wrench. Exceeding 1 N·m 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 N·m.

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.

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DownLow Dropper Seat Post

Specifications

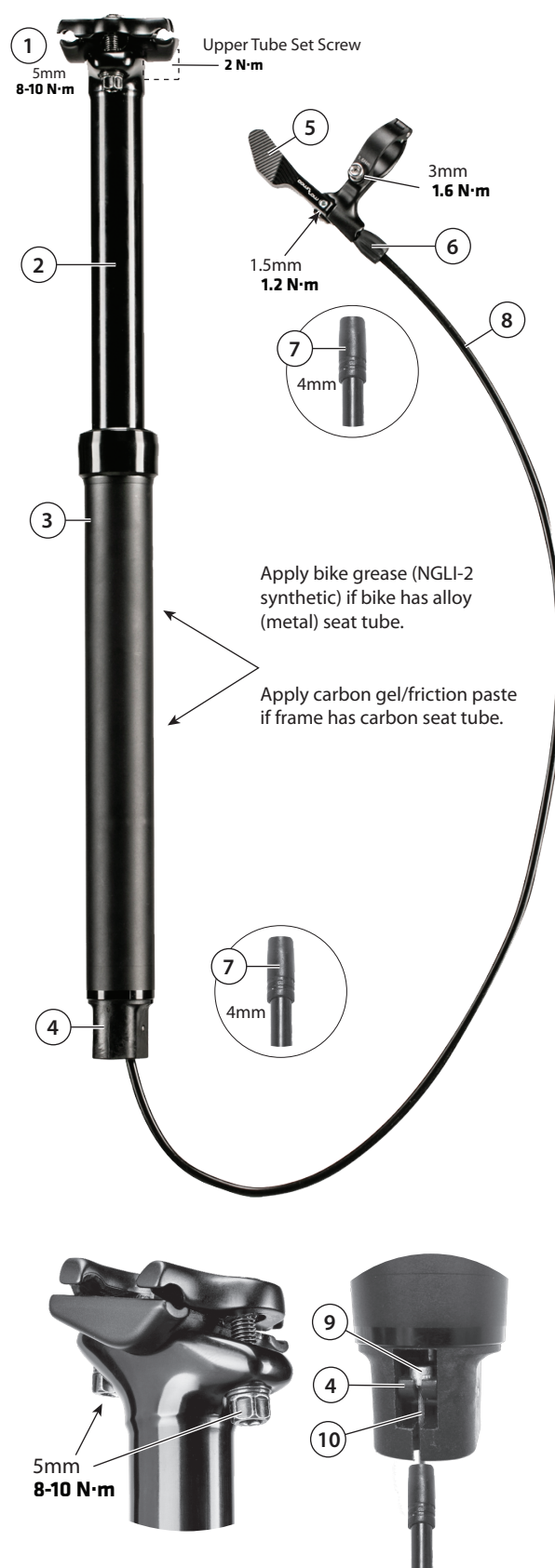
Product Codes	Seat Post Dia.	Upper Tube Length (2)	Full Length
CP2109U1034	31.6mm	100 mm	340 mm
CP2209U1039		125 mm	390 mm
CP2309U1044		150 mm	440 mm
Minimum Seat Post Insertion		100 mm	
Saddle Rail Compatibility		7x7 mm and 7x9 mm	
Cable Compatibility		4 mm shifter housing/cable	
▲ Intended Use: ASTM CONDITION 1-4, All-Mountain. Not Intended: Do not use for Downhill, Freeride, Dirt Jump, and in other aggressive riding styles conditions.			

Service Kits

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

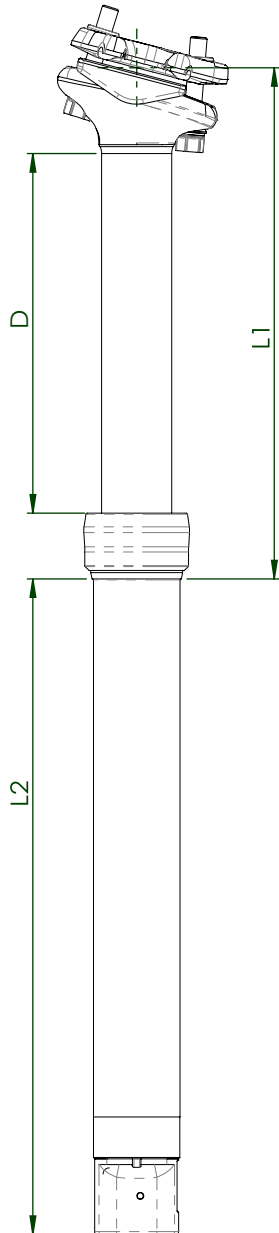
Service Kits

ID	Part Number	Description
A	K2604900	DownLow Damper 100mm
	K2604925	DownLow Damper 125mm
	K2604950	DownLow Damper 150mm
B	K2605900	DownLow Upper Tube 100mm
	K2605925	DownLow Upper Tube 125mm
	K2605950	DownLow Upper Tube 150mm
C	K2606900	DownLow Lower Tube 100mm
	K2606925	DownLow Lower Tube 125mm
	K2606950	DownLow Lower Tube 150mm
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

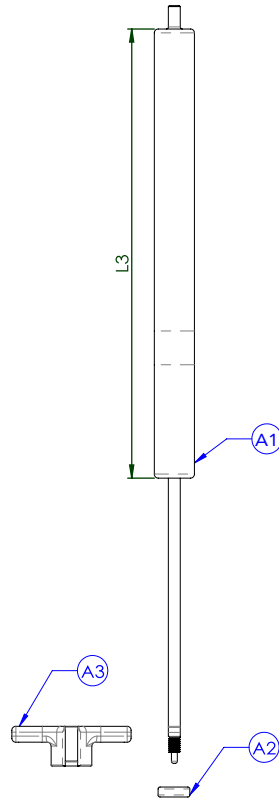


DownLow Dropper Seat Post

Main Dimensions

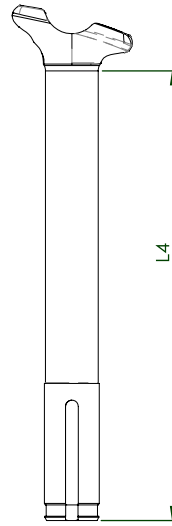


(A)
Damper Cartridge

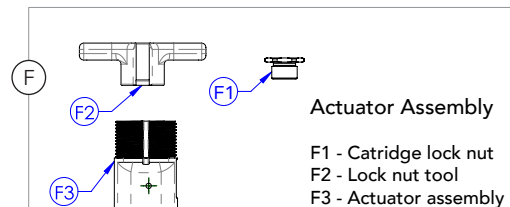
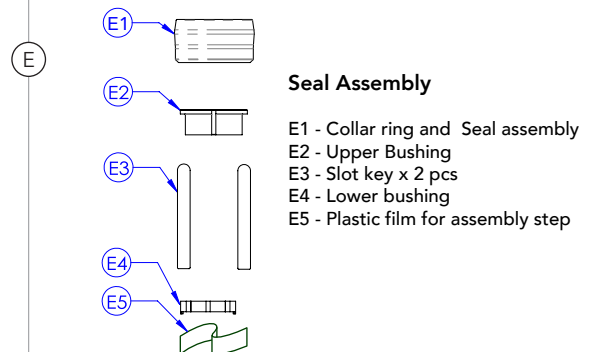
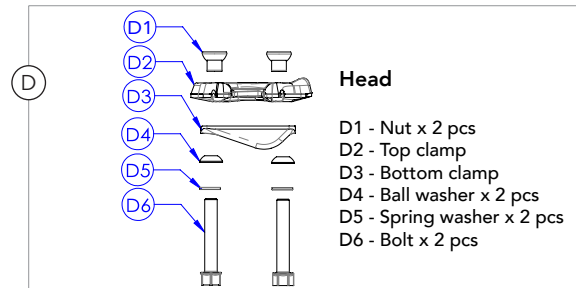
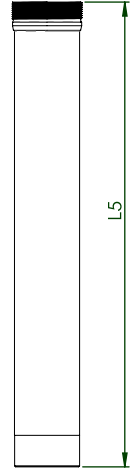


A1 - Damper cartridge
A2 - Bottom out ring bumper
A3 - Lock nut tool

(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

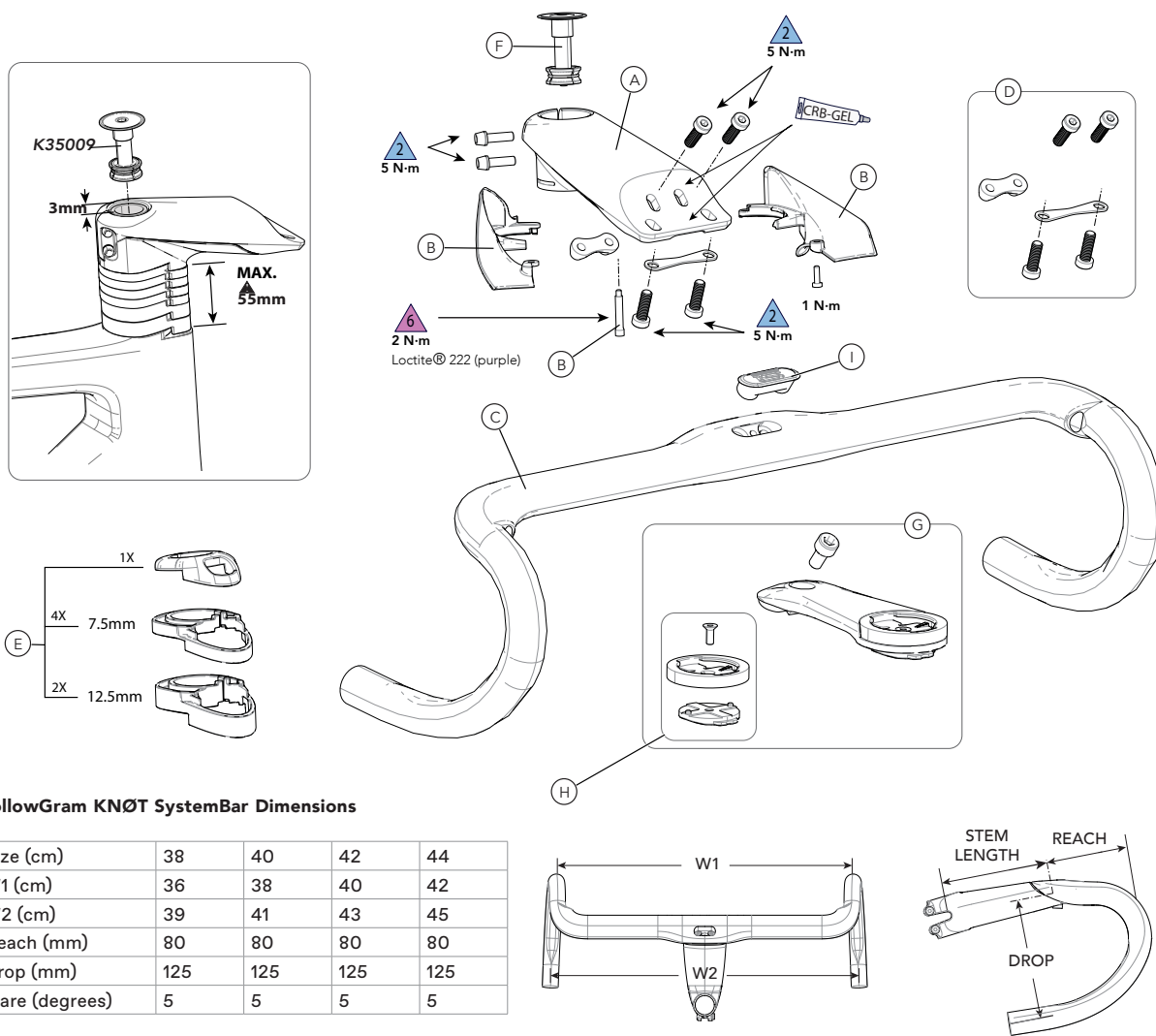
SuperSix Evo

2019 - 2020

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	K83019	SPEED RELEASE TA 100X12 2LEAD P1.0 119MM	✓	
U	K83029	SPEED RELEASE TA 142X12 2LEAD P1.0 165MM	✓	
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)	✓	✓

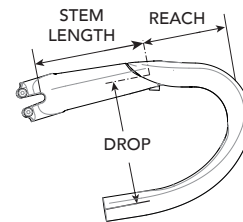
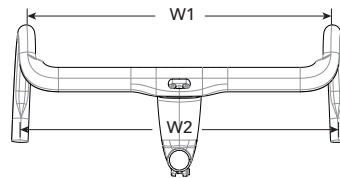
HollowGram KNØT SystemBar

2019 - 2020



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

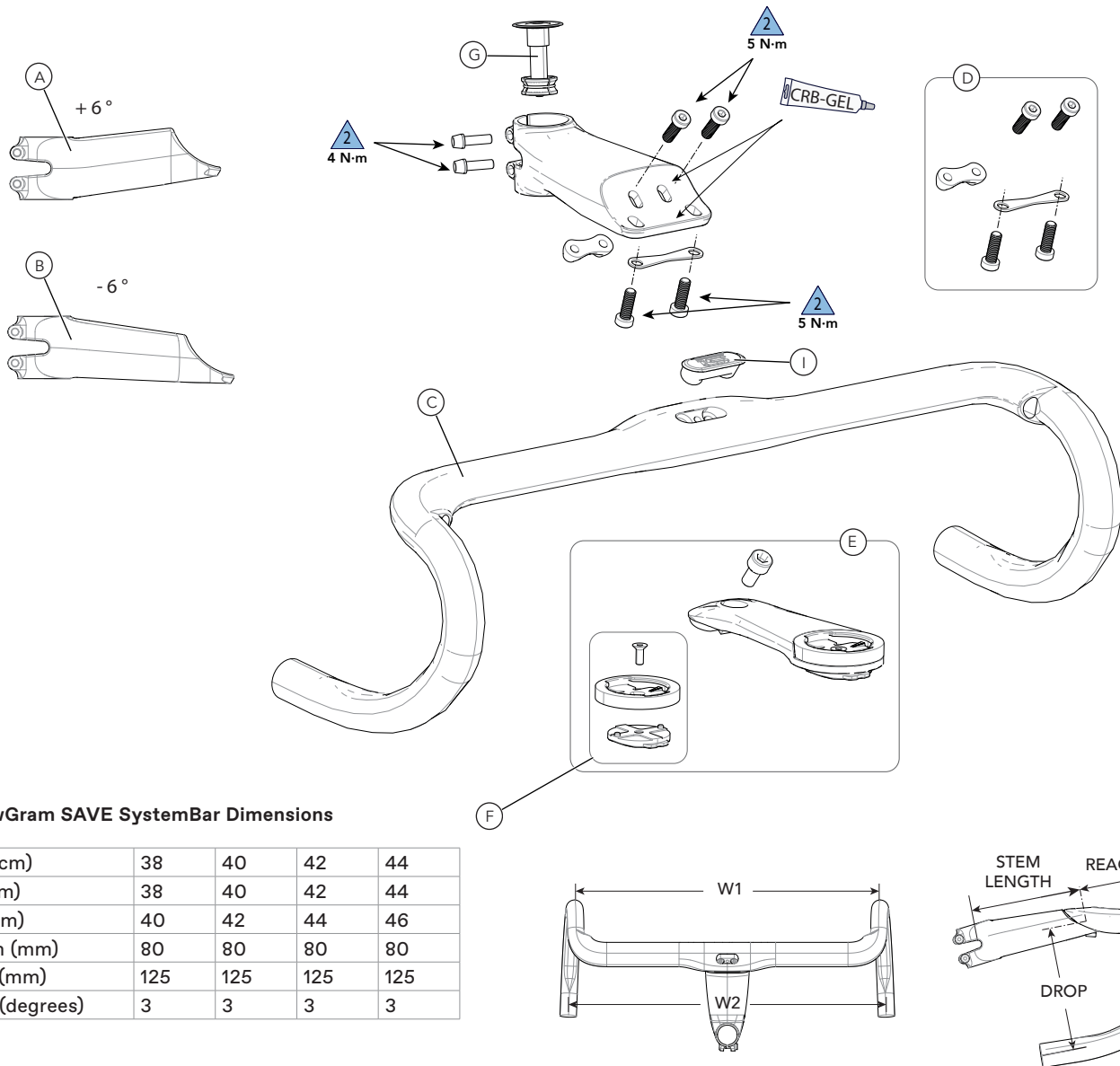


ID	Part Number	Description
A	CP2009U1080	KNØT SystemStem -17 Deg 80 mm
	CP2009U1090	KNØT SystemStem -17 Deg 90 mm
	CP2009U1010	KNØT SystemStem -17 Deg 100 mm
	CP2009U1011	KNØT SystemStem -17 Deg 110 mm
	CP2009U1012	KNØT SystemStem -17 Deg 120 mm
	CP2250U1080	HollowGram KNØT Stem -6 Deg 80mm
	CP2250U1090	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

2019 - 2020



HollowGram SAVE SystemBar Dimensions

Size (cm)	38	40	42	44
W1 (cm)	38	40	42	44
W2 (cm)	40	42	44	46
Reach (mm)	80	80	80	80
Drop (mm)	125	125	125	125
Flare (degrees)	3	3	3	3

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
	CP2100U1012	HOLLOWGRAM SAVE STEM +6 DEG 120MM
B	CP2000U1080	HOLLOWGRAM SAVE STEM -6 DEG 80MM
	CP2000U1090	HOLLOWGRAM SAVE STEM -6 DEG 90MM
	CP2000U1010	HOLLOWGRAM SAVE STEM -6 DEG 100MM
	CP2000U1011	HOLLOWGRAM SAVE STEM -6 DEG 110MM
	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
E	K12008	SystemBar Computer and Light Insert
F	K12018	SystemBar Computer and Light Mount
G	K35009	SL Compression Plug With Top Cap
I	K28039	HG KNØT/SAVE Stem Plug

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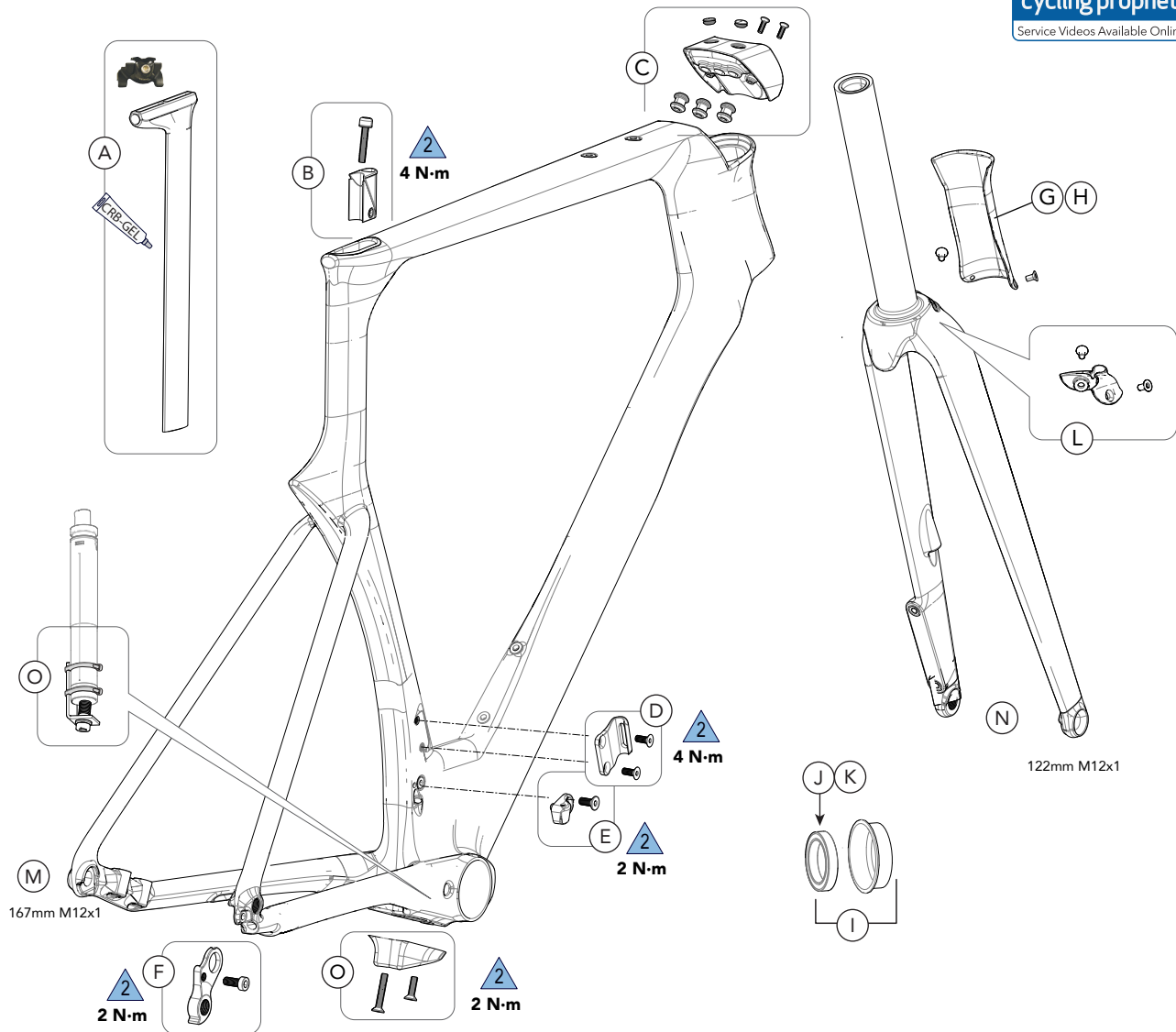
SuperSlice

2019 - 2020

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/160mm 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

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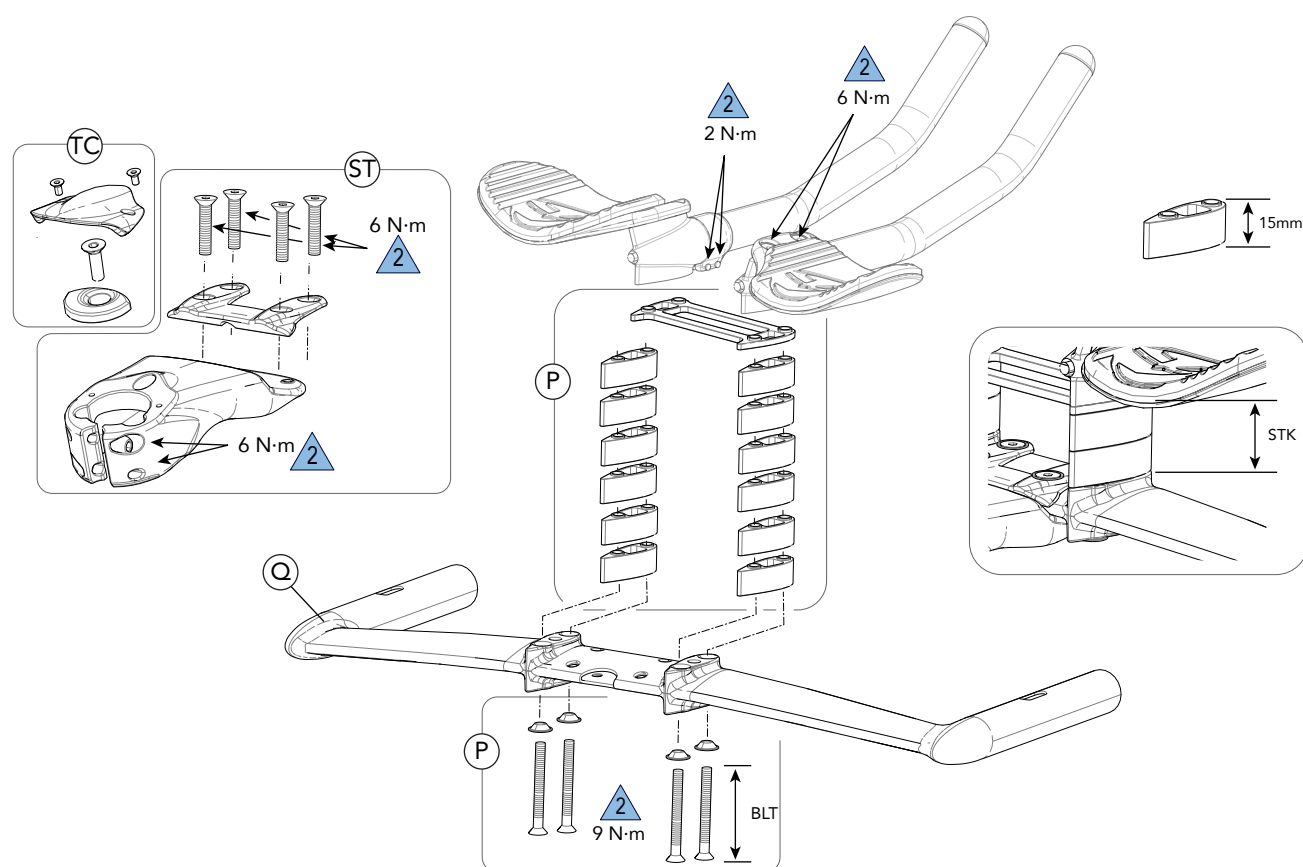


ID	Part Number	Description
A	CK0037U000S	SuperSlice Seatpost
B	CK0077U000S	SuperSlice Seatpost Binder
C	CK3137U000S	SuperSlice Top Tube Cable Guide
D	CK3027U000S	SuperSlice Front Derailleur Mount
E	CK3087U000S	SuperSlice Front Derailleur Cable Stop
F	CK3057U000S	Derailleur Hanger TA ST SS 014
I	KP197/SRM	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	CK8027U000S	Rear Thru Axle SuperSlice
N	CK8067U000S	Front Thru Axle SuperSlice

ID	Part Number	Description
O	CK3097U000S	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

2019 - 2020



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

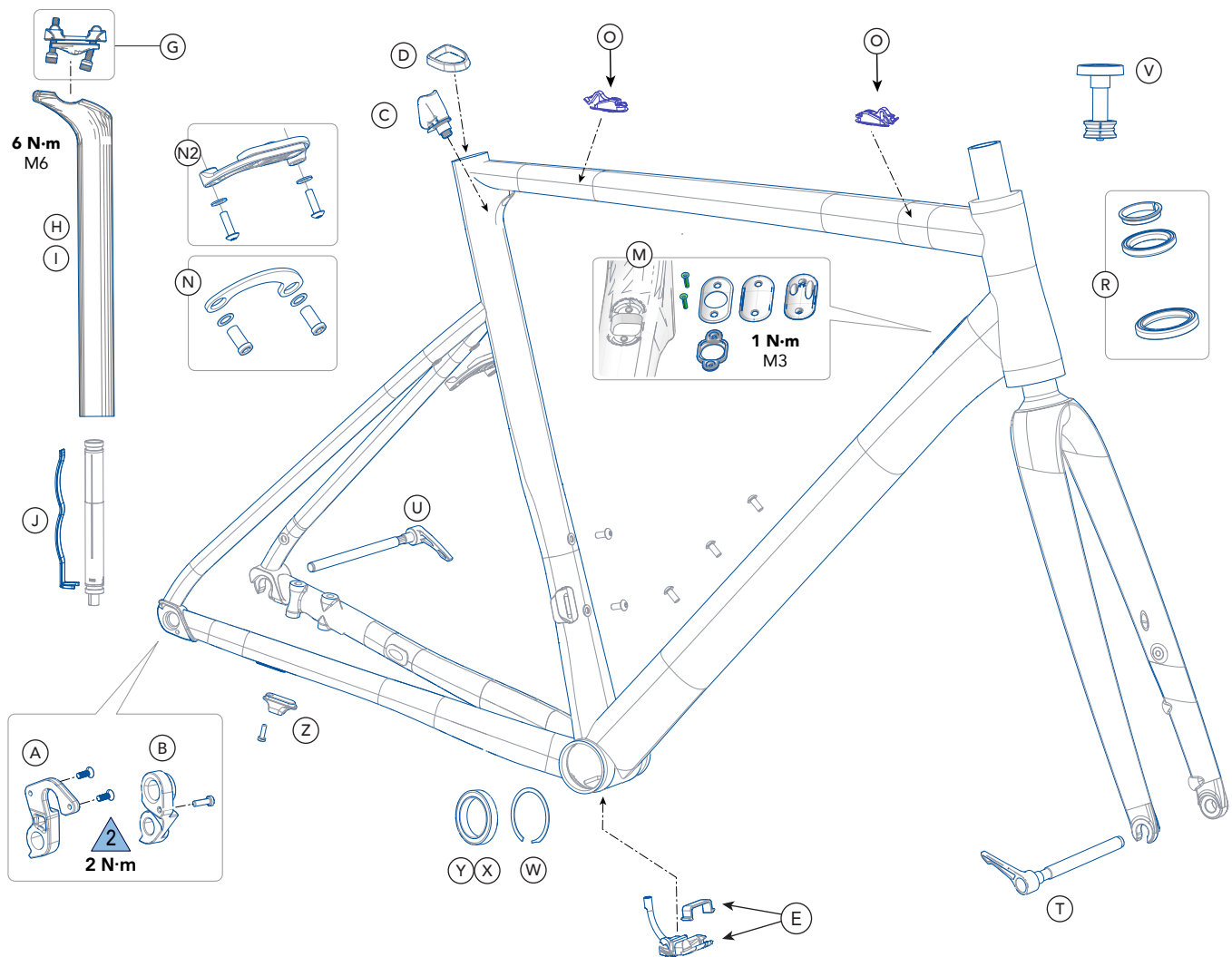
DISC/RIM

CAAD 13

2020

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
Axles: Type / Hub Spacing / Length (mm)	Disc: FT: Speed Release TA Double Lead / 100 X 12/119, RR: Speed Release 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

2020

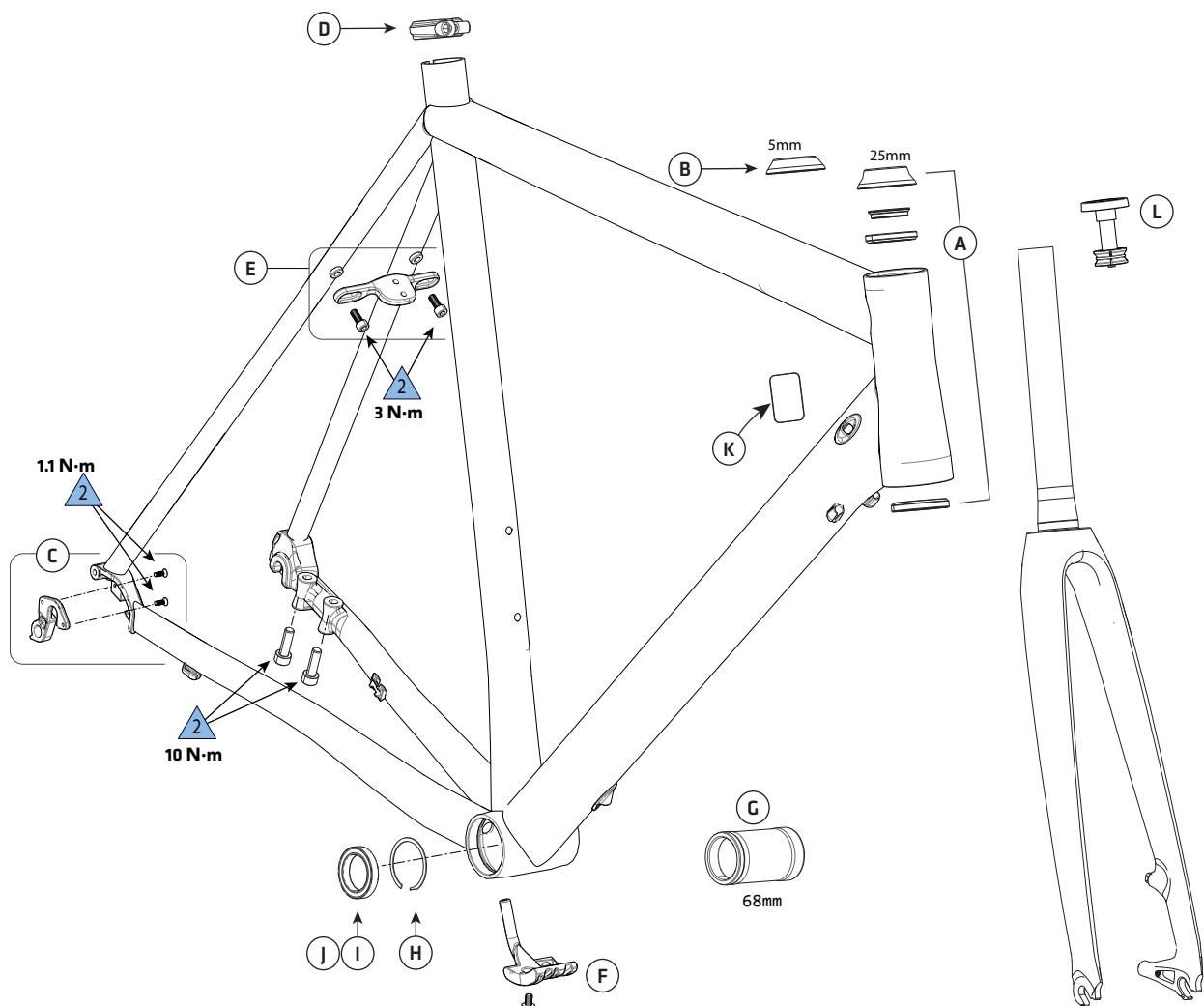
ID	Part Number	Description	DISC	RIM
A	KP255/	DERAILLEUR HANGER QR ST SS 027		✓
B	K33009	DERAILLEUR HANGER TA ST SS 070	✓	
C	K26060	CAAD13 INTERNAL SEAT BINDER	✓	✓
D	K26070	SEATPOST SILICONE GROMMET	✓	✓
--	KF115/	Carbon Seatpost Gel	✓	✓
G	K26050	KNØT 27 Rail Clamps and Hardware	✓	✓
H	K2601000	HG 27 KNØT 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	CK1168U10OS	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	K83019	SPEED RELEASE TA 100X12 2LEAD P1.0 119MM	✓	
U	K83029	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

2017 - 2020

Item	Specification
Head Tube	UPR: 1 -1/8 in, LWR: 1-1/4 in
Bottom Bracket: Type/ Width	BB30 / 68 mm, BSA / 68 mm
Front Derailleur	31.8 mm Clamp, Down-Swing
Seat Post: Dia./Binder	27.2 mm / 30.9 mm
▲ Min. Seat Post Insert	90 mm
▲ Tire Size x Max. Width	700c x 28 mm (measured)
Brakes: Mount Type / Min/Max Rotor Dia.	RIM: FT: Rim Brake, DISC: RR: Flat Mount /140 mm / 160 mm, DISC: FT: Flat Mount /140 mm / 160 mm

Item	Specification
Axles: Type/Length	RIM RR: QR / 130 × 9 mm RIM FT: QR / 100 × 9 mm DISC RR: QR / 135 × 9 mm DISC FT: QR / 100 × 9 mm
▲ Intended Use:	ASTM CONDITION 1, High-Performance Road
▲ Max. Weight Limit: Total (rider+all equipment):	285 lbs / 129 kg



CAAD Optimo

2017 - 2020

ID	Part Number	Description	DISC	RIM
--	KF115/	Carbon Seatpost Gel	✓	✓
A	CK3557U000S	CAADX/Optimo Headset	✓	✓
B	KP253/	Top Cover 5 mm	✓	✓
C	KP255/	Derailleur Hanger QR ST SS 027	✓	✓
D	KP159/BLK	Seat Binder Road 30.9 BLK	✓	✓
E	CK3317U000S	Seatstay Fender Mount	✓	
F	CK3377U000S	CAADX/Optimo Bottom Bracket Cable Guide	✓	✓
G	KP009/	SiBB To 68 mm Adapter	✓	✓
--	KF365/	SiBB 68 mm Adapter Install Tool	✓	✓
H	QC616/	BB Si Circlips (QTY 2)	✓	✓
--	KF366/	SiBB Adapter Extractor Tool	✓	✓
I	KB6180/	BB30 Bearing Blue (QTY 2)	✓	✓
J	K22037	BB30 Bearing Blue (QTY 24)	✓	✓
K	KF103/	Scuffguard (QTY 8)	✓	✓
L	K35058	SL Compression Plug With 5mm Cap	✓	✓

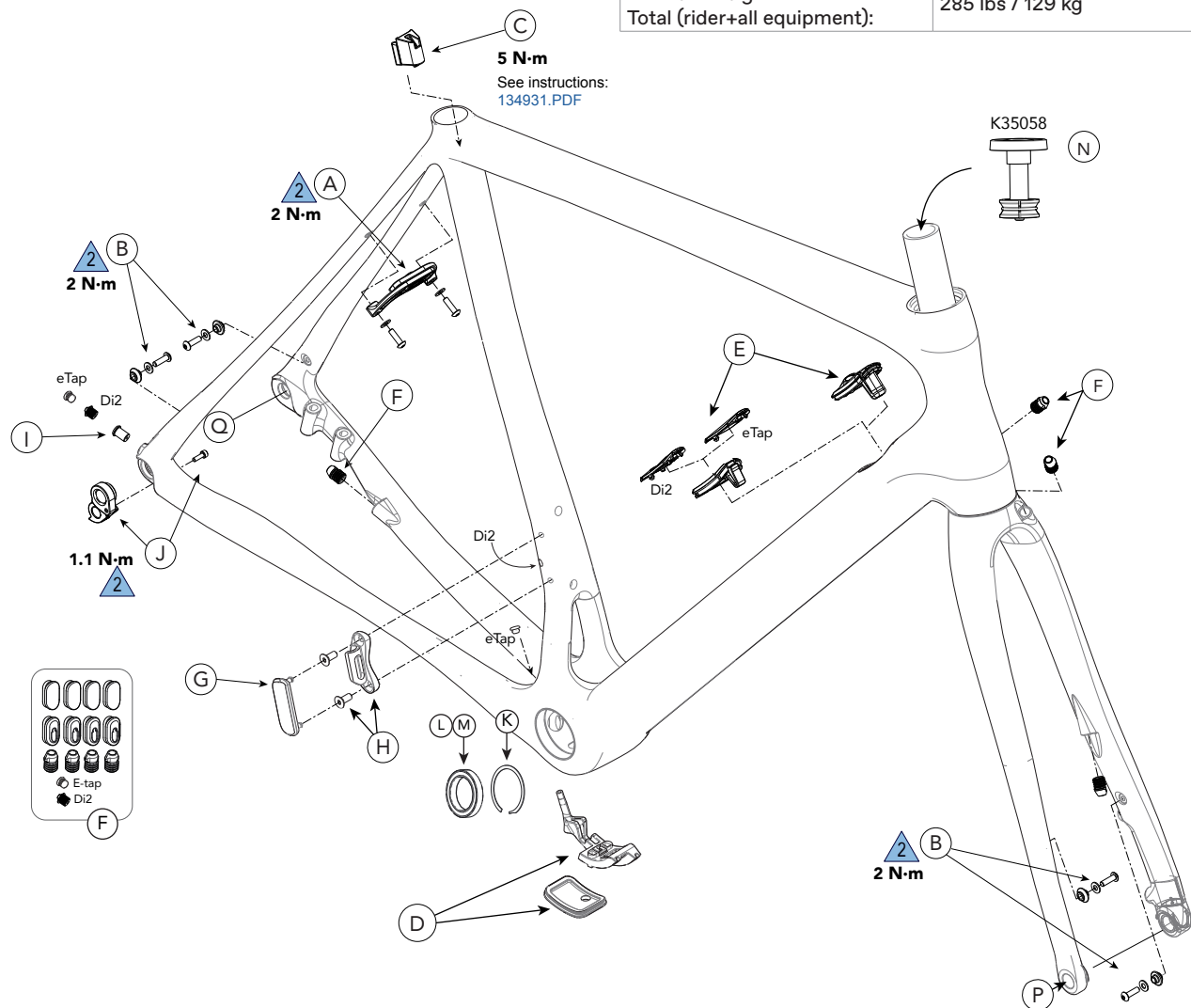
CARBON/DISC

Synapse Carbon

2018 - 2020

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 100×12 125 mm
Q	K83058	Ratchet Lever Syntace 142×12 165 mm
	K83068	Adjustable Lever Syntace 142×12 165 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

P/N 134952 Update: 09/10/19

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cannondale

CARBON/DISC

Synapse Carbon

2018 - 2020

CARBON DISC

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

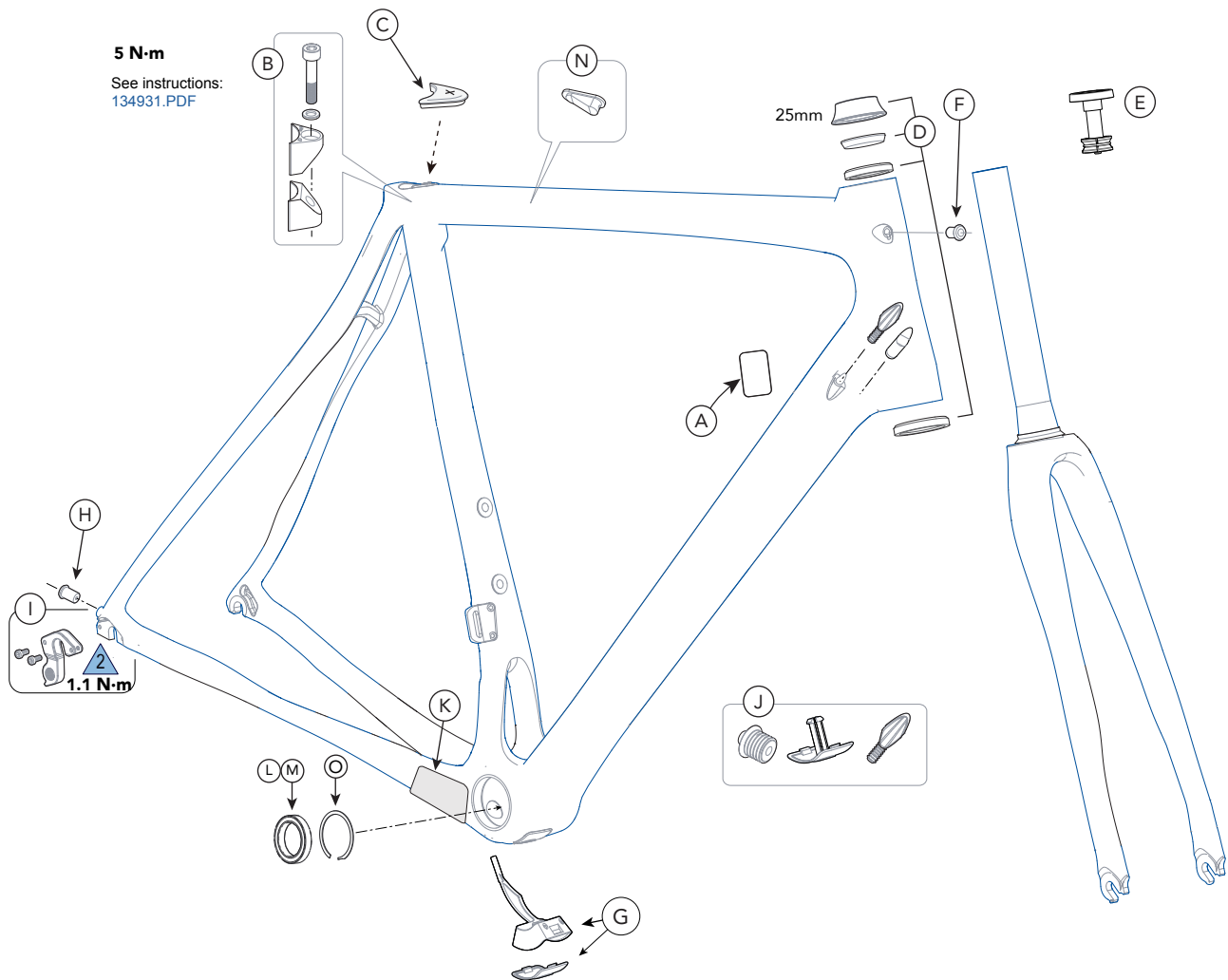
CARBON/RIM

Synapse Carbon

2014 - 2020

Item	Specification
Head Tube	UPR: 1 -1/8 in, LWR: 1-1/4 in
Bottom Bracket: Type/ Width	BB30A / 73 mm
Front Derailleur	Brazed-on
Seat Post: Dia./Binder	25.4 mm / Internal Wedge
▲ Min. Seat Post Insert	90 mm
▲ Tire Size x Max. Width	700c x 32 mm (measured)

Item	Specification
Brakes: Mount Type	RR: Rim, FT: Rim
Axles: Type/Length	RR: QR / 130 × 9 mm , FT: QR / 100 × 9 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	KF103/	Scuffguard (QTY 8)
B	KP300/	Synapse Seatpost Wedge
C	KP301/	Synapse Wedge Cover (QTY 10)
D	K35068	Headset 1-1/8 to 1-1/4 33 mm O.D.TC w/Race
E	K35058	SL Compression Plug With 5 mm Cap
F	KP224/	Head Tube Brake Cable Guide
G	KP299/	Synapse Mech Bottom Bracket Cable Guide
H	K32330	Dropout Cable Stop Mech (QTY 1)

ID	Part Number	Description
I	KP158/	Derailleur Hanger QR ST DS 025
J	KP298/	Synapse Di2 Plugs Bottom Bracket Cvr.
K	KF367/	Chain Stay Protect Synapse
L	KB6180/	BB30 Bearing Blue (QTY 2)
M	K22037	BB30 Bearing Blue (QTY 24)
N	KP063/	Top Tube Internal Brake Cable Guide
O	QC616/	BB Si Circlips (QTY 2)
--	KF115/	Carbon Seatpost Gel
--	KP156/	1 1/4 Bearing Crown Race

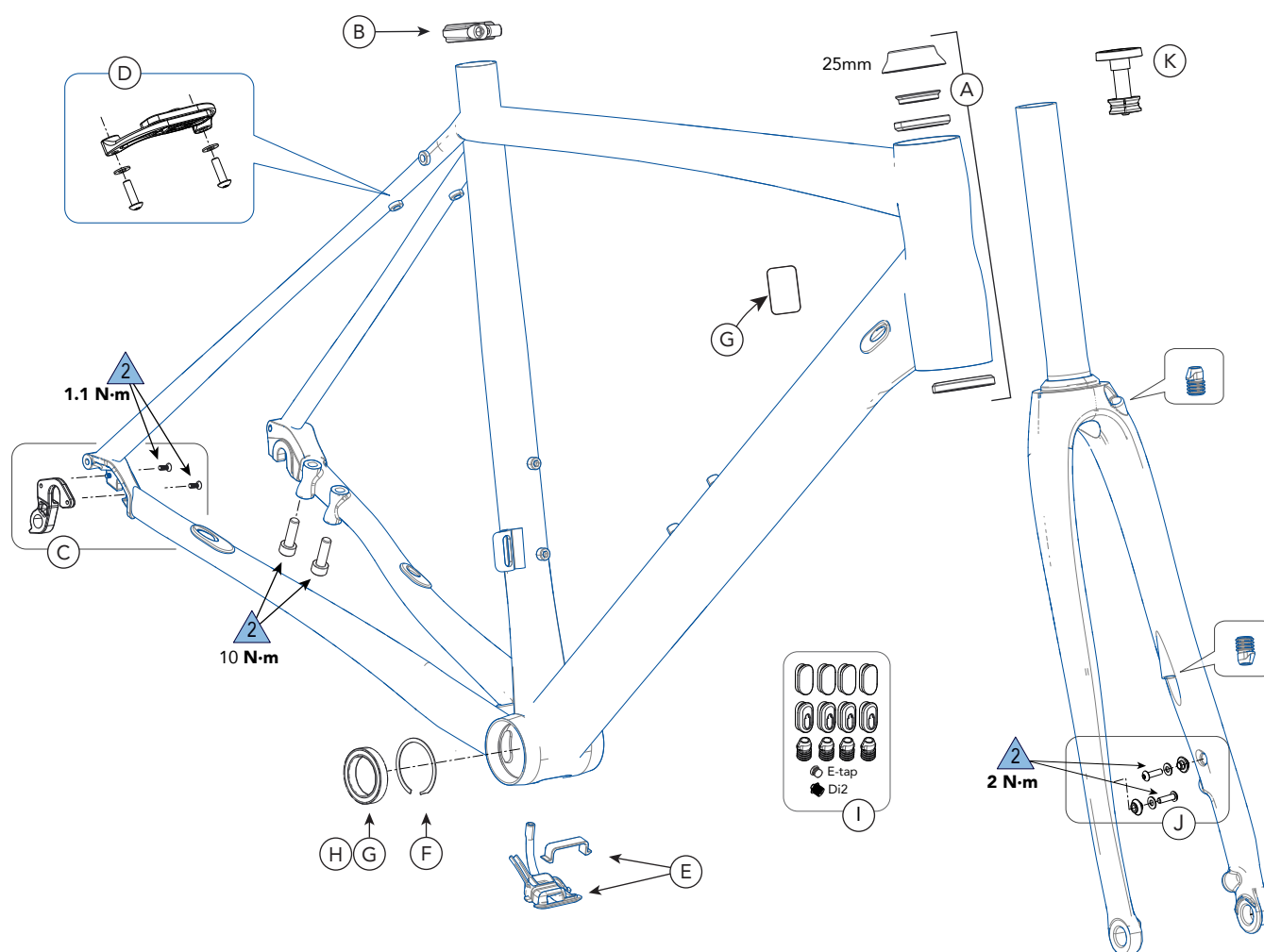
ALLOY / DISC

Synapse Alloy

2018 - 2020

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	Seatbinder 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)
H	KB6180/	BB30 Bearing Blue (QTY 2)

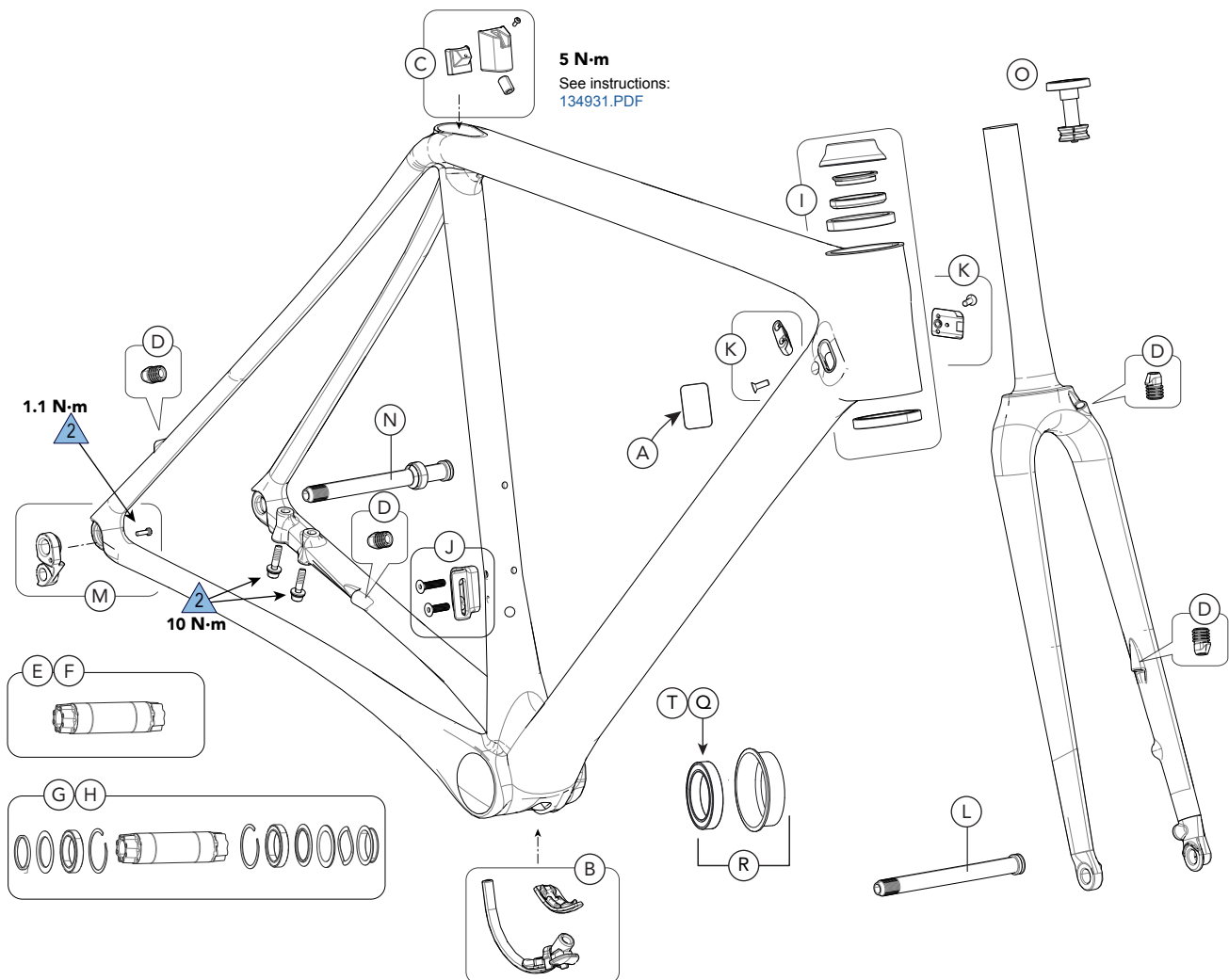
ID	Part Number	Description
I	K32048	Shift And Brake Grommets
J	K11018	Road Fender Mount Hardware
K	K35058	SL Compression Plug With 5 mm Cap
--	KF115/	Carbon Seatpost Gel
L	K83038	Ratchet Lever Maxle 100×12 125mm

SuperX

2017 - 2020

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

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

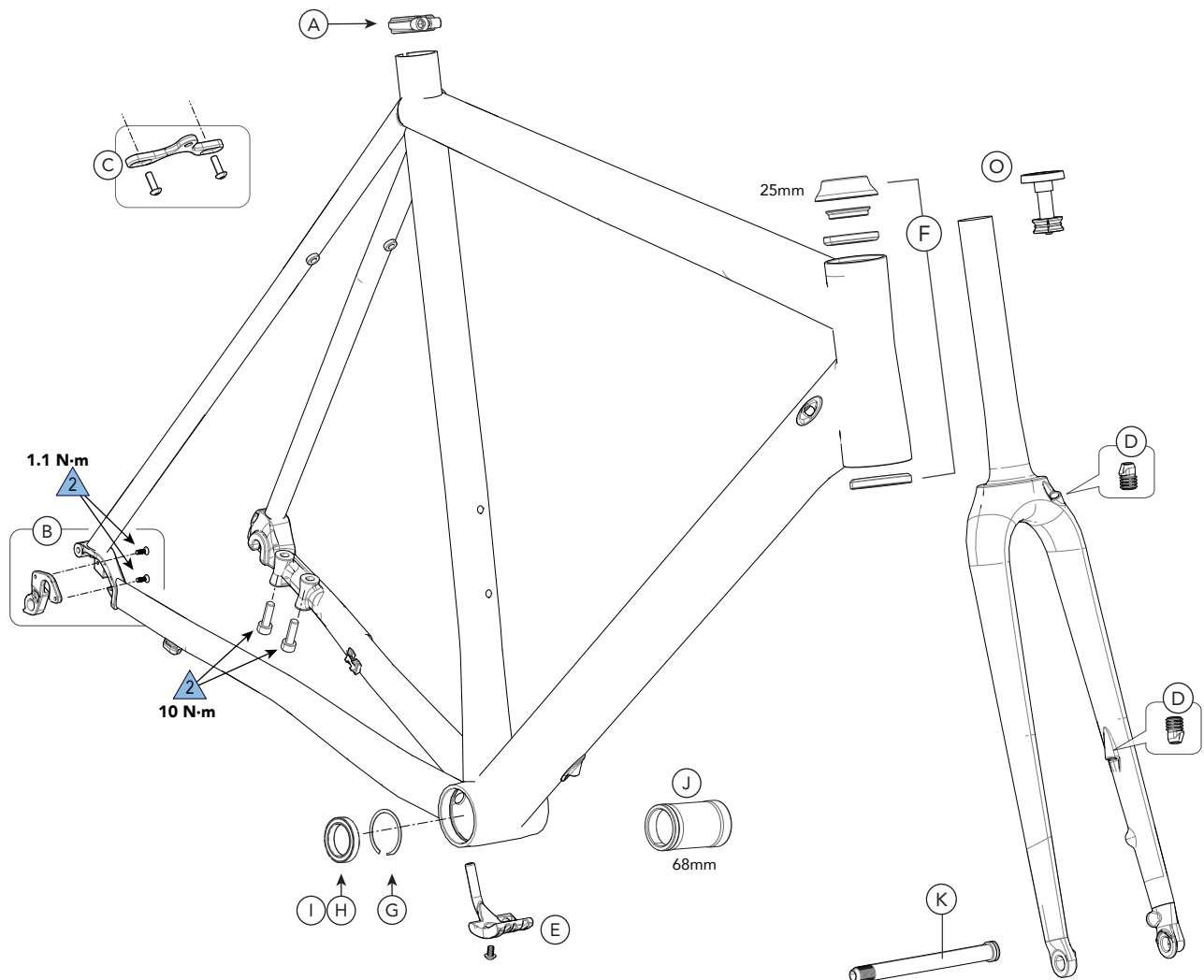
ID	Part Number	Description
L	KP457/	Stealth Maxle 100×12 125 mm
M	K33049	Derailleur Hanger TA ST SS 073
N	KP190/	Axle Syntace X12 142×12 mm
O	K35058	SL Compression Plug With 5 mm Cap
Q	KB6180/	BB30 Bearing Blue (QTY 2)
R	KP197/SRM	PF30 Bottom Bracket Cups And Bearings
T	K22037	BB30 Bearing Blue (QTY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

CAADX

2019 - 2020

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 × 9 mm FT: Maxle TA / 100 × 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

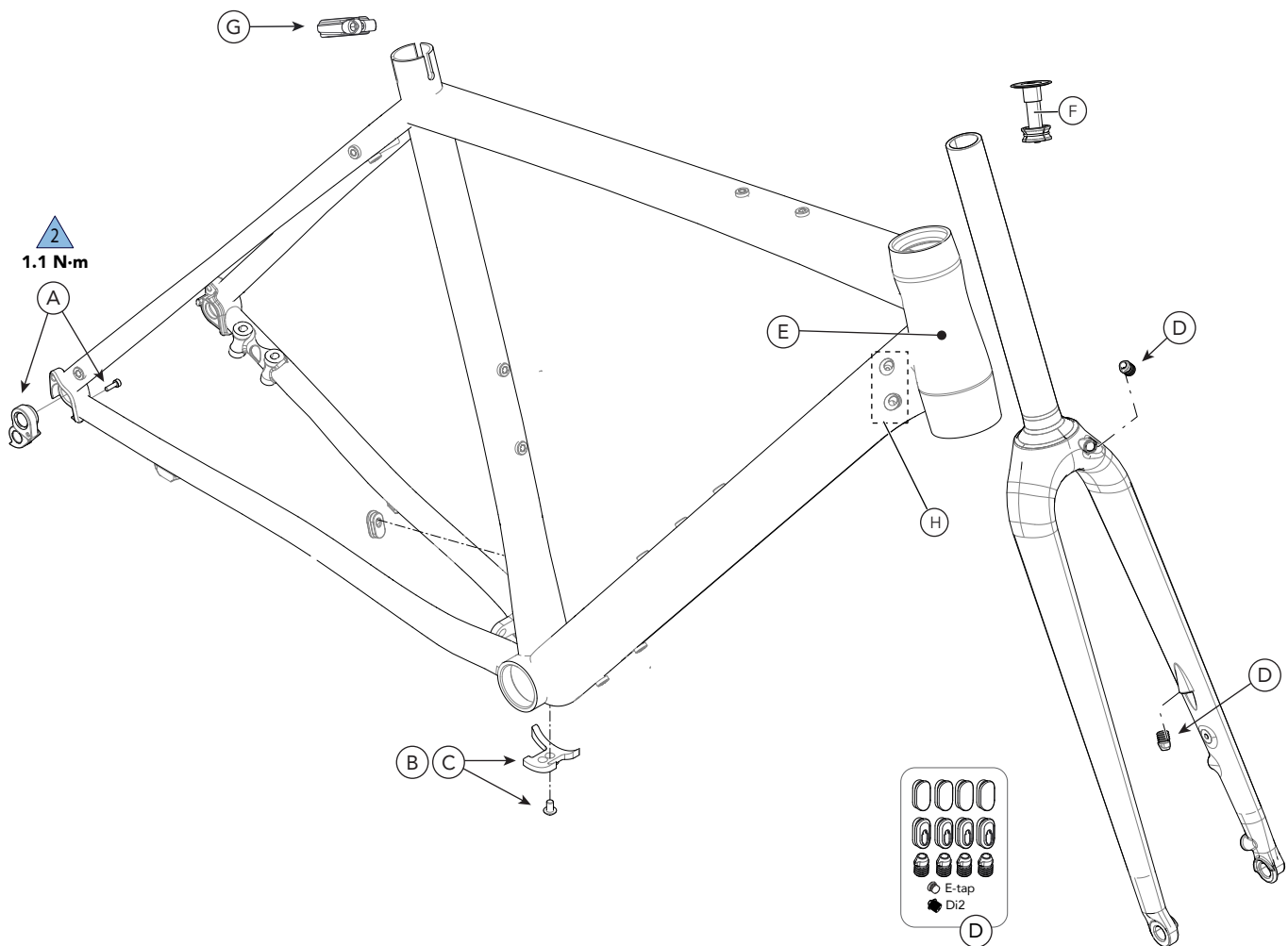
ID	Part Number	Description
G	QC616/	BB Si Circlips (QTY 2)
H	KB6180/	BB30 Bearing Blue (QTY 2)
I	K22037	BB30 Bearing Blue (QTY 24)
J	KP009/	SiBB To 68 mm Adapter
K	K83038	Ratchet Lever Maxle 100×12 125 mm
O	K35058	SL Compression Plug With 5 mm Cap

Topstone Alloy

2019 - 2020

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	✓	✓

P/N 134952 Update: 09/10/19

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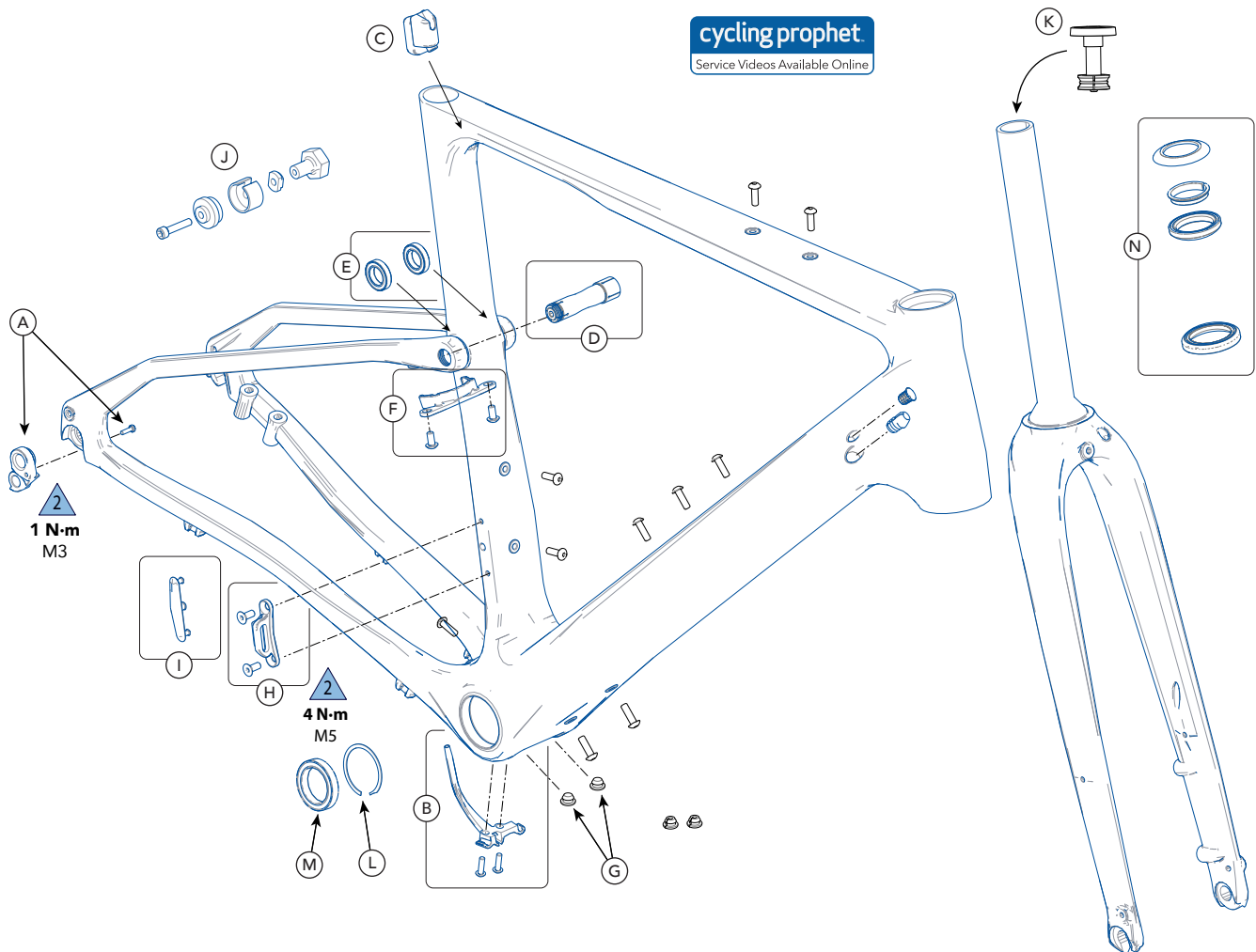
cannondale

Topstone Carbon

2020

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)

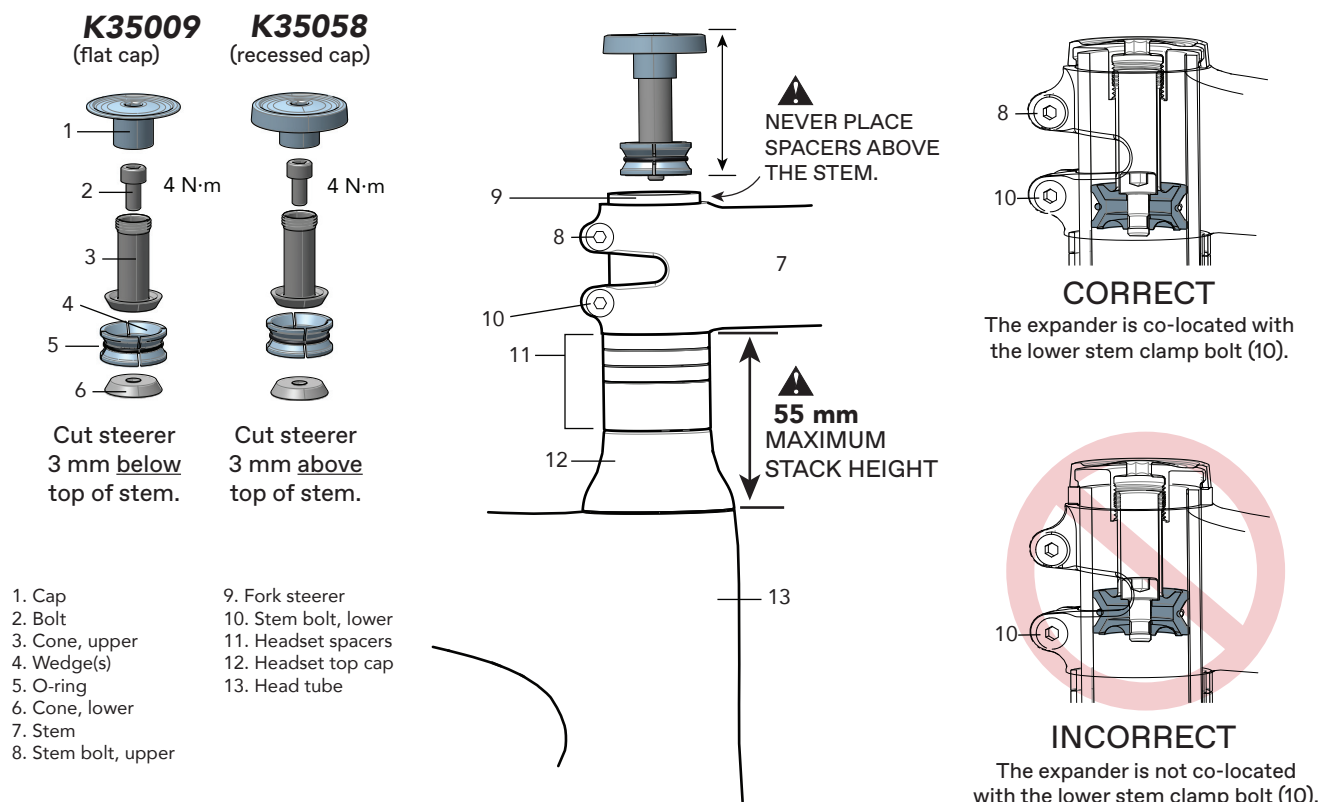
Brakes: Mount Type/Min/Max Rotor Dia.	RR: Flat Mount / 140/160 mm FT: Flat Mount +20mm / 160 / 180 mm
Axles: Type/Length	RR: Speed Release, Double Lead / 142 x 12 mm, 165 mm Length FT: Speed Release, Double Lead / 100 x 12 mm, 119 mm Length
Ai Offset	Rear Wheel: 6mm Offset to NDS Hollowgram SpideRing: 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 and newer carbon steerer forks Lefty Ocho (carbon steerer)

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 N·m 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.

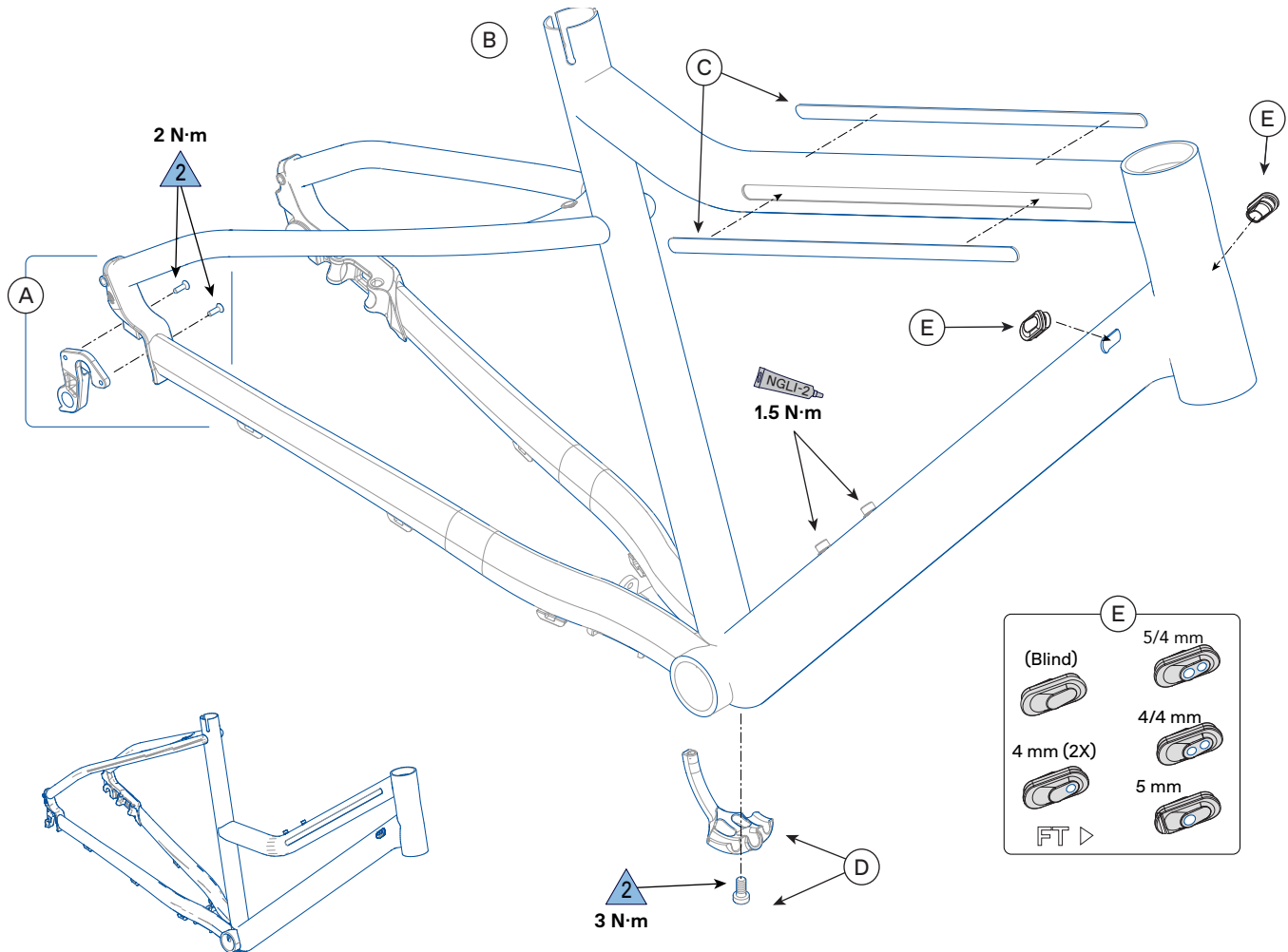
Standard & Remixe

Treadwell

2020

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	K26000	Seatbinder 31.8mm w/ Rack Mounts
C	K34000	Treadwell Top Tube Scuff Guard
D	K32058	BB Cable Guide E206909
E	K32000	Shift/Brake Keyhole Grommets

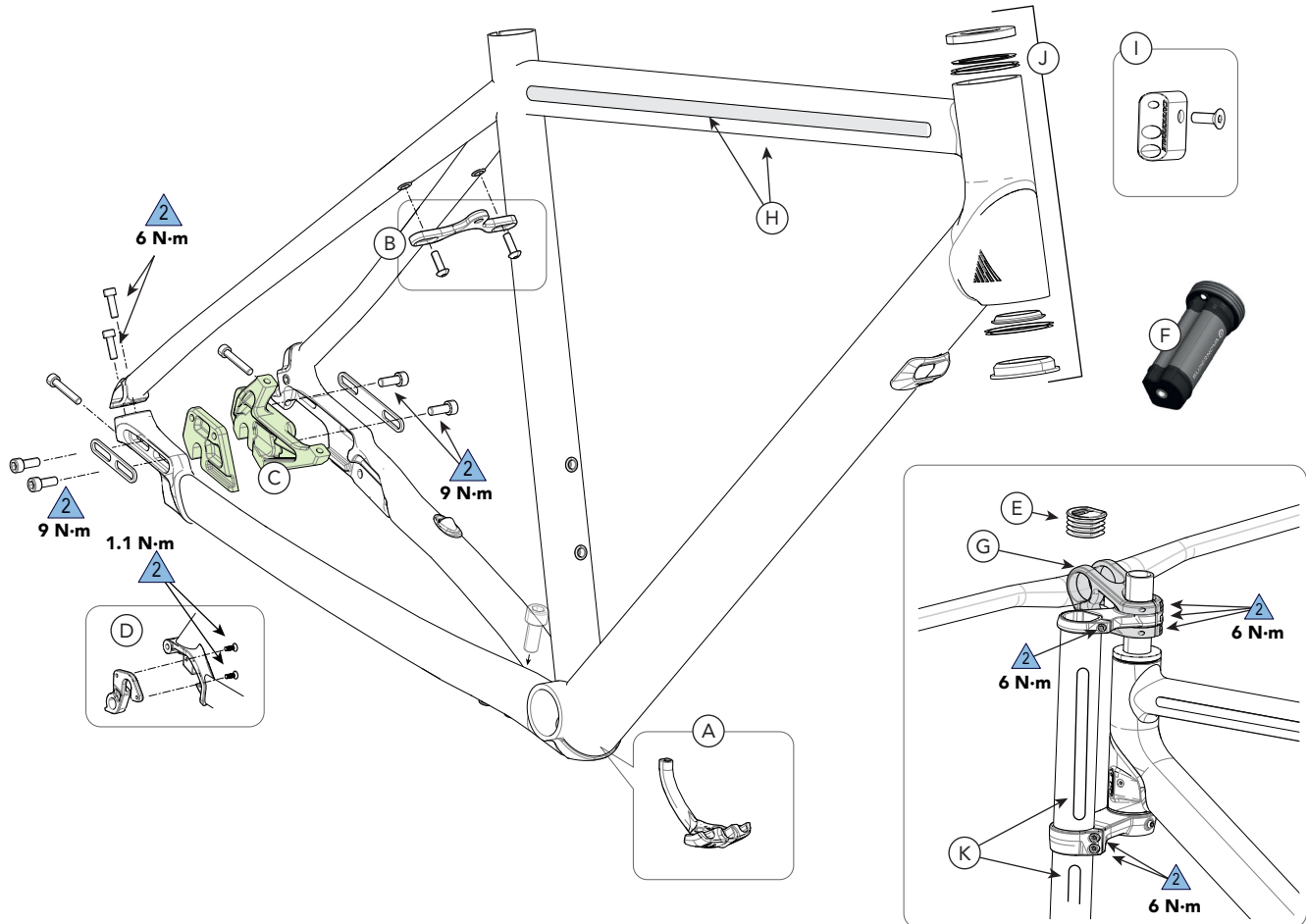
ID	Part Number	Description
--	K21000	Cruise Control Handlebar 740 x 31.8mm
--	K13000	Treadwell Front Rack w/ Bamboo Tray
--	K11020	Treadwell 27.5 Fender Set BLK

Bad Boy

2017 - 2020

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	✓	✓	
--	K25038	LightPipe Charge Cord	✓	✓	
--	KF103/	Scuffguard (QTY 8)	✓	✓	✓
--	KP363/	Open Oval Grommet x2	✓	✓	✓
--	K26068	Urban Seatpost 31.6mm w/ USB LED Lights	✓	✓	✓

Adventure / Quick CX / Althea

2020

Adventure

Item	Specification	Spare Parts							
Head Tube	UPR: 1-1/8 in, LWR: 1-1/8 in	<table><tr><td>KP171/BLK</td><td>Seatbinder MTN Qr 31.8 BLK</td></tr><tr><td>KF002/</td><td>Double BB Cable Guide Alloy Frame</td></tr><tr><td>KP284/</td><td>Derailleur Hanger QR ST SS 028</td></tr></table>		KP171/BLK	Seatbinder MTN Qr 31.8 BLK	KF002/	Double BB Cable Guide Alloy Frame	KP284/	Derailleur Hanger QR ST SS 028
KP171/BLK	Seatbinder MTN Qr 31.8 BLK								
KF002/	Double BB Cable Guide Alloy Frame								
KP284/	Derailleur Hanger QR ST SS 028								
Bottom Bracket Type/ Width	BSA / 68 mm								
Front Derailleur	31.8 mm Clamp								
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	Rim Brake								
Front Axle: Type/Length	QR / 100 × 9 mm								
Rear Axle: Type/Length	QR / 130 × 9 mm								
▲ Intended Use	ASTM CONDITION 2 General Purpose Riding								
▲ Max. Weight Limit Total (Rider + all Equipment)	330 lbs / 150 kg								

Quick CX / Althea

Item	Specification	Spare Parts									
Head Tube	UPR: 1-1/8 in, LWR: 1-1/2 in	<table><tr><td>KP171/BLK</td><td>Seatbinder MTN QR 31.8 BLK</td></tr><tr><td>KF002/</td><td>Double BB Cable Guide Alloy Frame</td></tr><tr><td>KP284/</td><td>Derailleur Hanger QR ST SS 028</td></tr><tr><td>K35078</td><td>Headset Taper HT to 1-1/8 straight - Quick CX 4 Only</td></tr></table>		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
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										
Bottom Bracket Type/ Width	BSA / 68 mm										
Front Derailleur	31.8 mm Clamp										
Seat Post Dia./Binder	27.2 mm / 31.8 mm										
▲ Min. Seat Post Insert	100 mm										
▲ Tire Size x Max. Width	700c x 38 mm/ 40 mm (measured)										
▲ Max. Fork Length:	467 mm										
Brakes: Mount Type / Min/Max Rotor Dia,	RR: Flat Mount / 160 mm FT: Post Mount / 160 mm										
Front Axle: Type/Length	QR / 100 × 9 mm										
Rear Axle: Type/Length	QR / 135 × 9 mm										
▲ Intended Use	ASTM CONDITION 2, General Purpose Riding										
▲ Max. Weight Limit Total (Rider + all Equipment)	330 lbs / 150 kg										

Quick

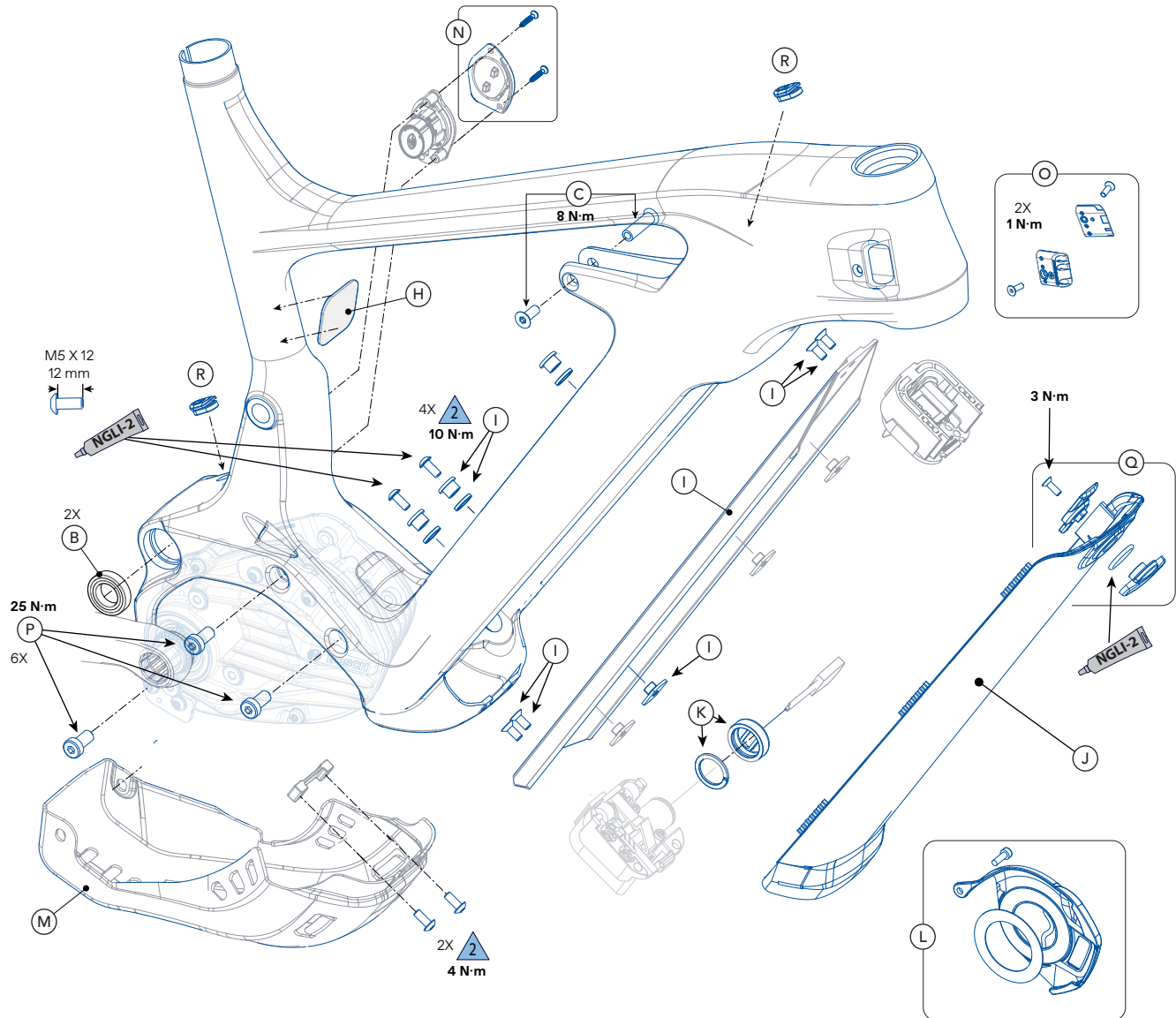
2020

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 FT: Rim	RR: Flat Mount / 140 mm / 160 mm FT: Flat Mount / 140 mm / 160 mm	
Axles: Type / Hub Spacing / Length	RR: QR / 135 × 9 mm FT: QR / 100 × 9 mm	RR: QR / 135 × 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



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	Habit Neo/Moterra Link 27.5/29 w/ BRGS
G	CK3257U000S	Derailleur Hanger TA ST SS 015
H	K34220	Habit Neo/Moterra Clear Frame Protectors
I	K76000	Battery Rail DT Bottom Exit

ID	Part Number	Description
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

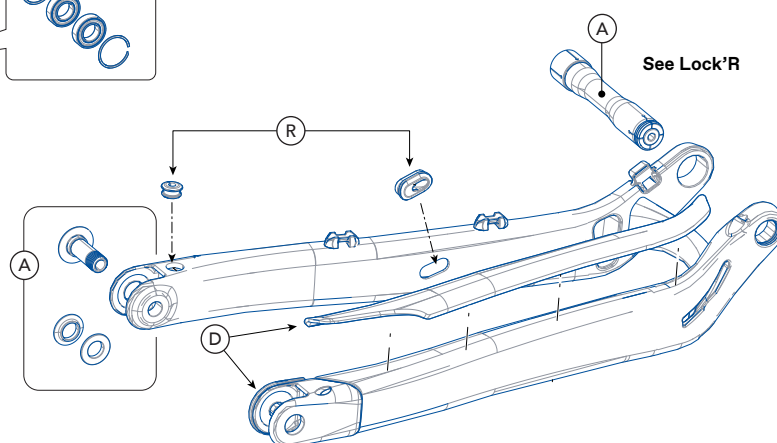
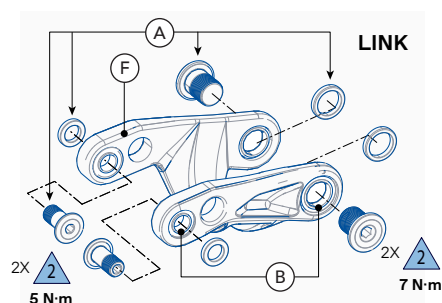
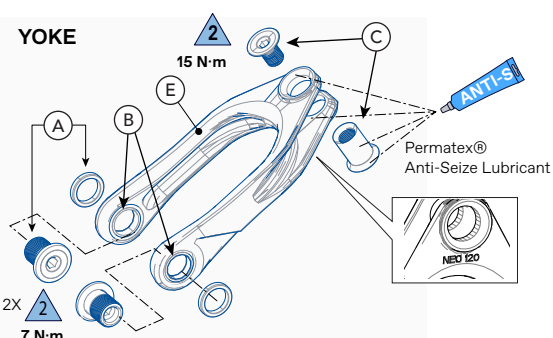
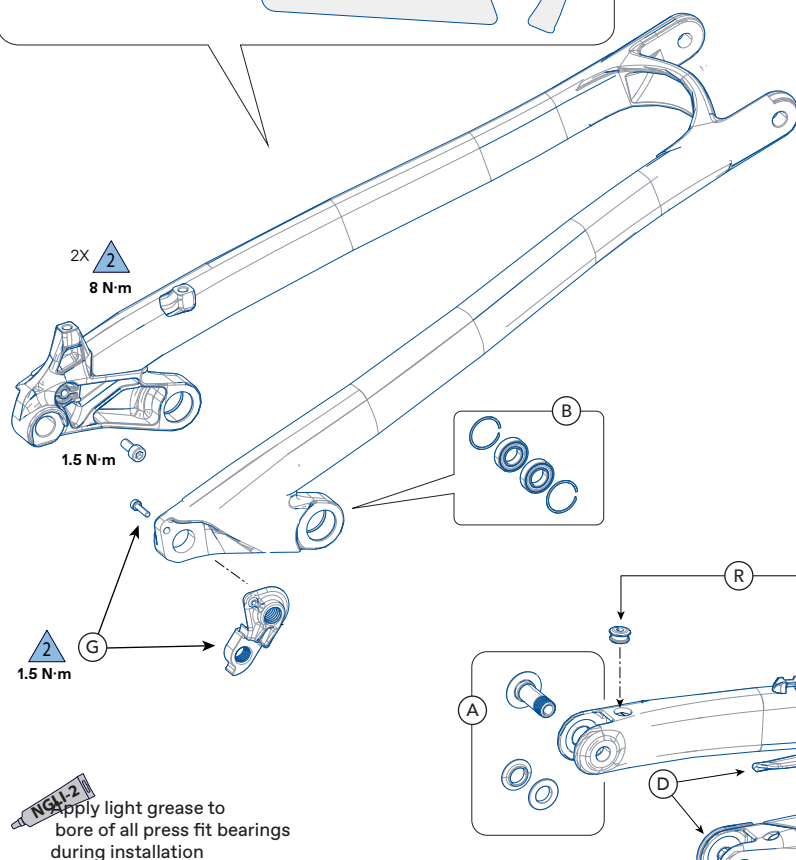
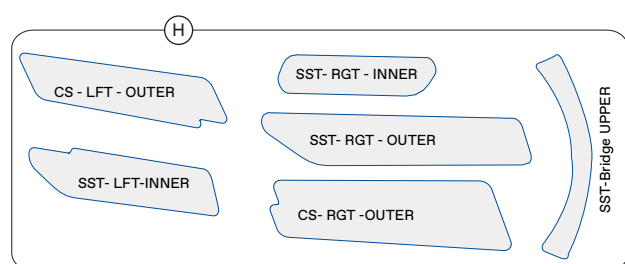
2020

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: 8×20mm, 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 × 1.75 × 180 mm
Ai Offset	Rear Wheel: 3 mm offset to NDS SRAM Chainring: +6 mm offset Hollowgram SpideRing: Ai Offset
▲ Intended Use ¹	ASTM CONDITION 4, All-Mountain
▲ Max. Weight Limit (Total (rider+all equipment):	300 lbs / 150 kg

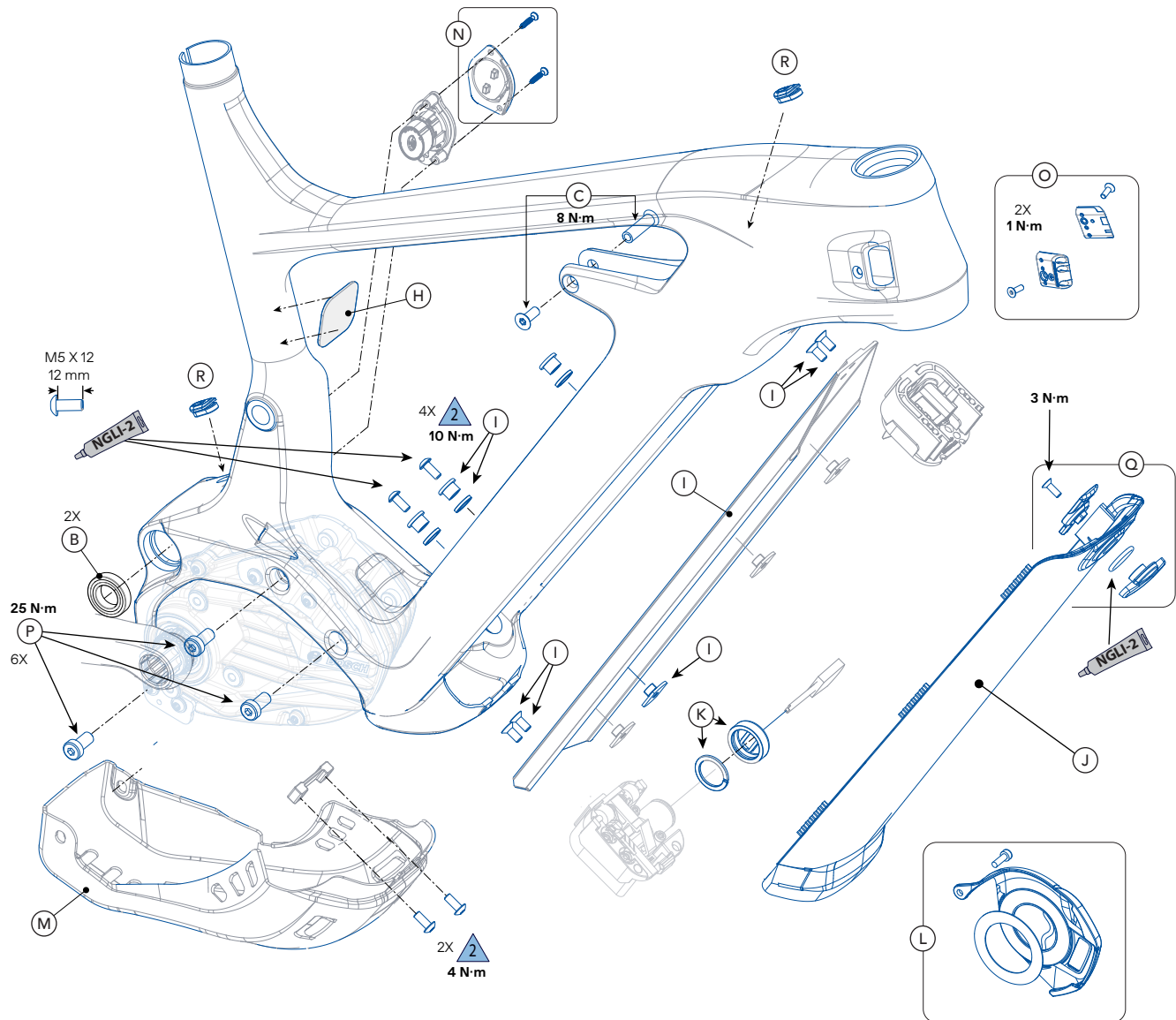
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Service Videos Available Online



Moterra

2020

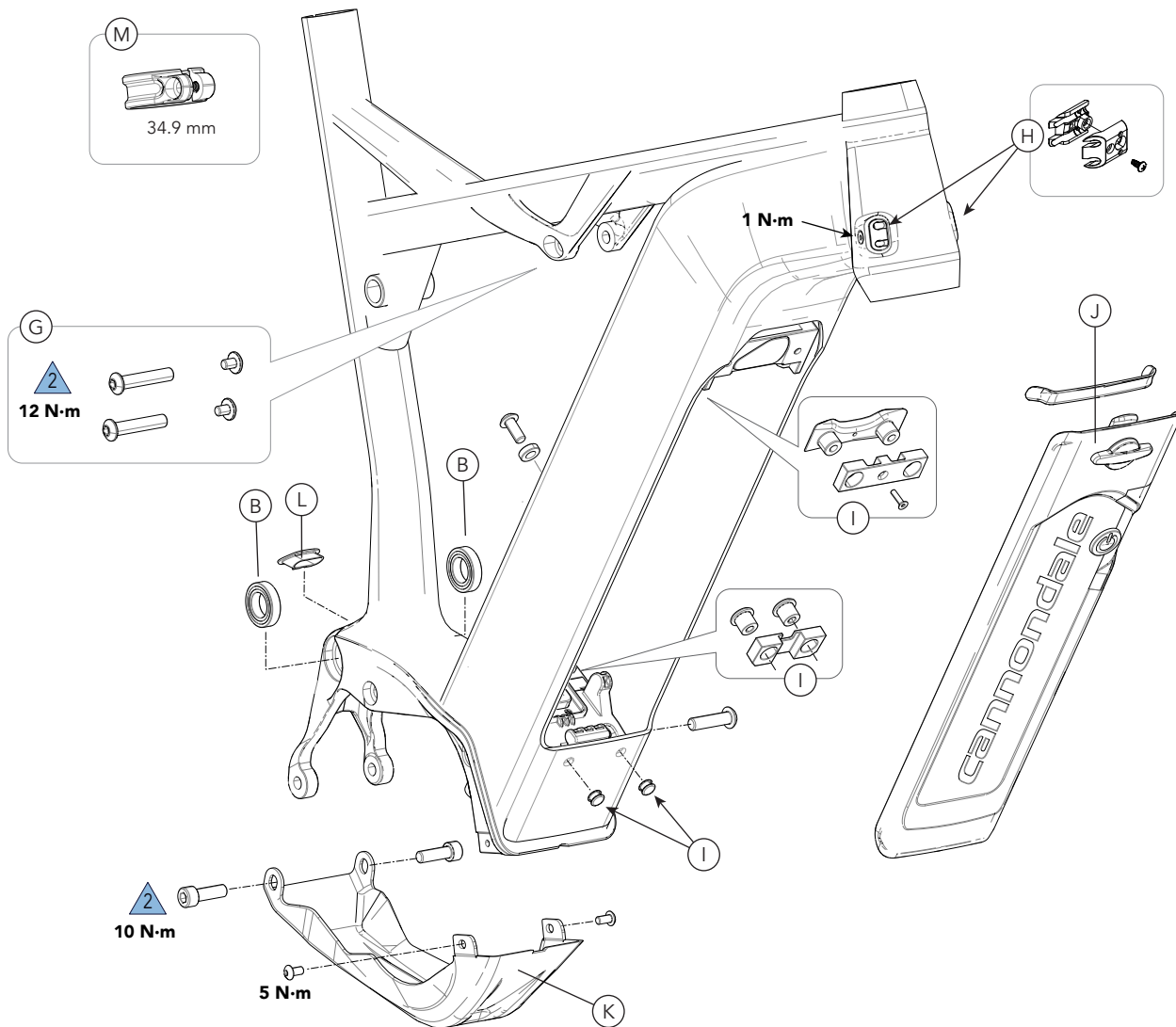


ID	Part Number	Description
A	K36060	Habit Neo/Moterra Pivot Hardware
B	K36020	Habit Neo/Moterra MP CS SS Link Brgs.
C	K36079	Yoke Driven Shock Hardware
D	K34129	Chainstay and Horst Pivot Protectors
E1	K91030	Habit Neo/Moterra Yoke 120mm w/ BRGS Sizes: MD/LG/XL
E2	K91040	Habit Neo/Moterra Yoke 110mm w/ BRGS Size: S
F	K91060	Habit Neo/Moterra Link 27.5/29 w/ BRGS
G	CK3257U000S	Derailleur Hanger TA ST SS 015
H	K34220	Habit Neo/Moterra Clear Frame Protectors
I	K76000	Battery Rail DT Bottom Exit

ID	Part Number	Description
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

Cujo Neo 130

2019 - 2020



ID	Part Number	Description
A	K36149	Cujo NEO Pivot Hardware
B	K36159	Cujo NEO Pivot SS Link Bearings
C	K91029	Cujo NEO Suspension Link 27.5+ BLK
D	CK3257U00OS	Deraillieur Hanger TA ST SS 015
E	K34109	NEO FS Chainstay Protector
F	KP421/180	Brake Mount Flat 180 mm
G	K36018	AL Frame Shock Hardware

ID	Part Number	Description
H	KP456/	Modular Cable Guides Headtube
I	K91019	NEO Battery Mounting Kit
J	K34089	NEO Battery Cover BLK
K	K34099	Cujo NEO Skidplate w/ Hardware
L	K32029	NEO Cable Exit Port
M	KP388/	Seatbinder MTN Bolt 34.9

Canvas Neo/Tesoro Neo X/Trail Neo Performance

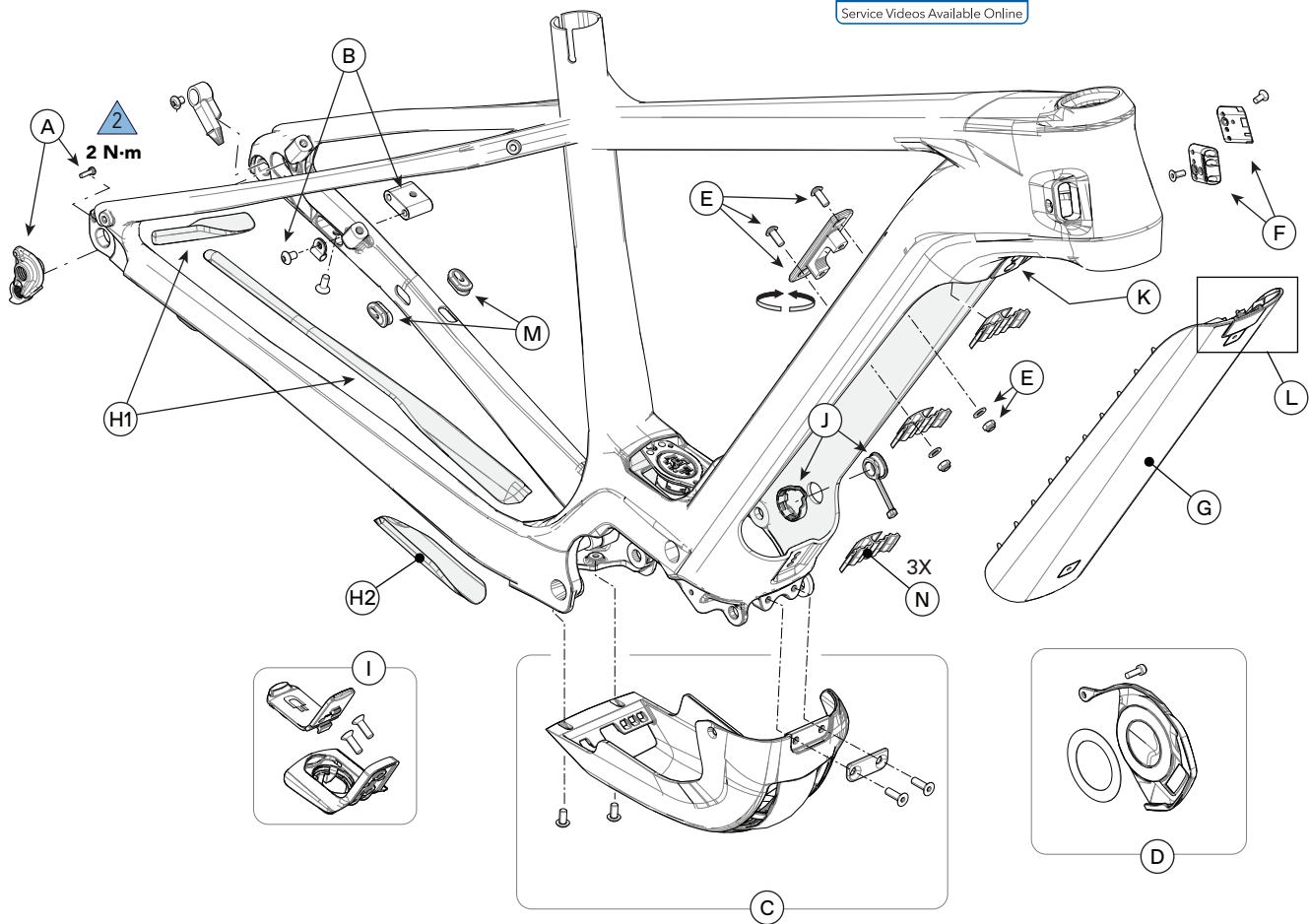
2020

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

cyclingprophet
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)

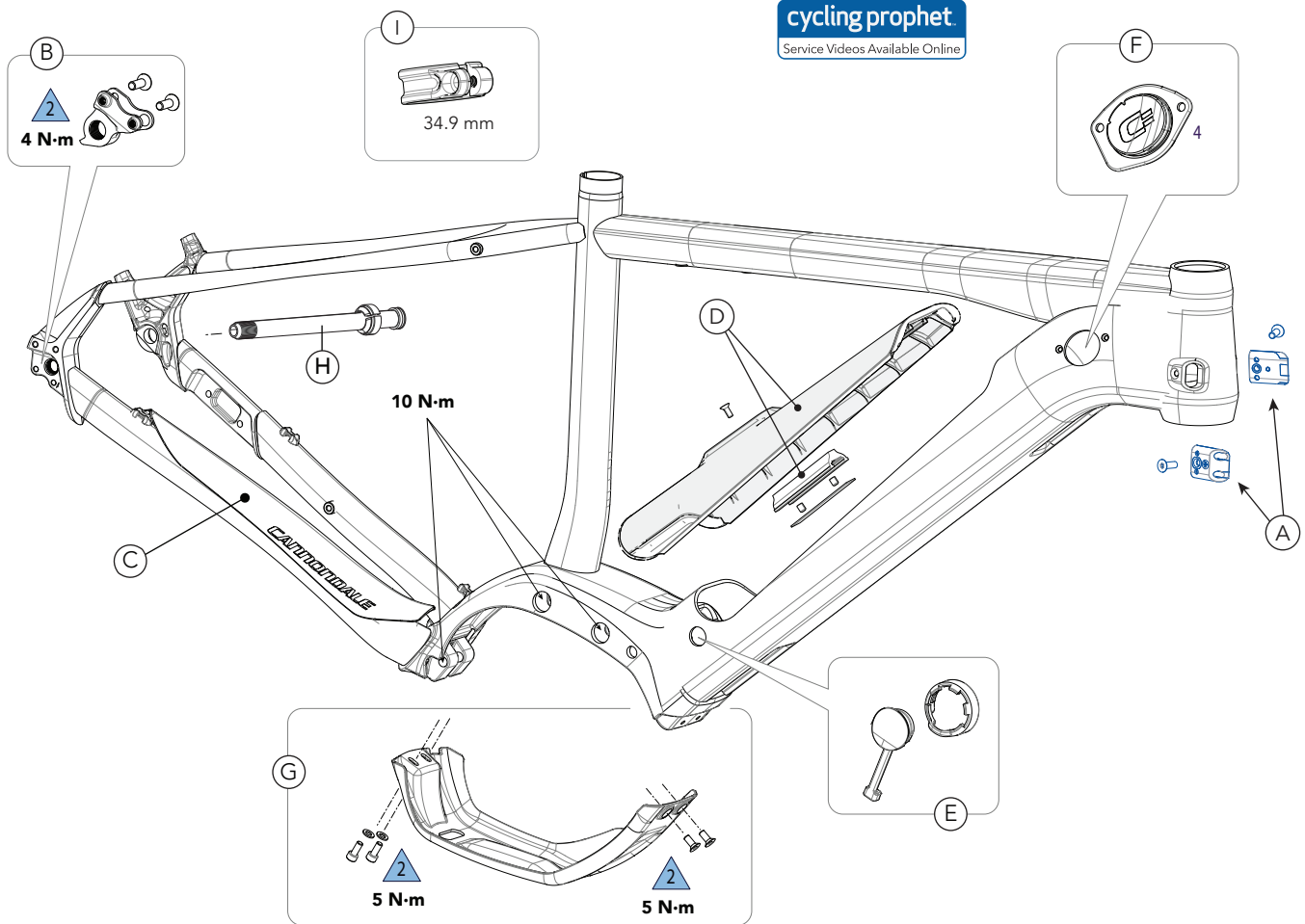
Canvas Neo/Tesoro Neo X/Trail Neo Performance

2019 - 2020

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 × 12 mm
▲ Intended Use	ASTM Condition 2, General Purpose Riding
▲ Max. Weight Limit Total (Rider+All Equipment):	330 lbs / 150 kg



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
F	K34159	Charge Port Cover PT

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

SuperSix EVO Neo

2020

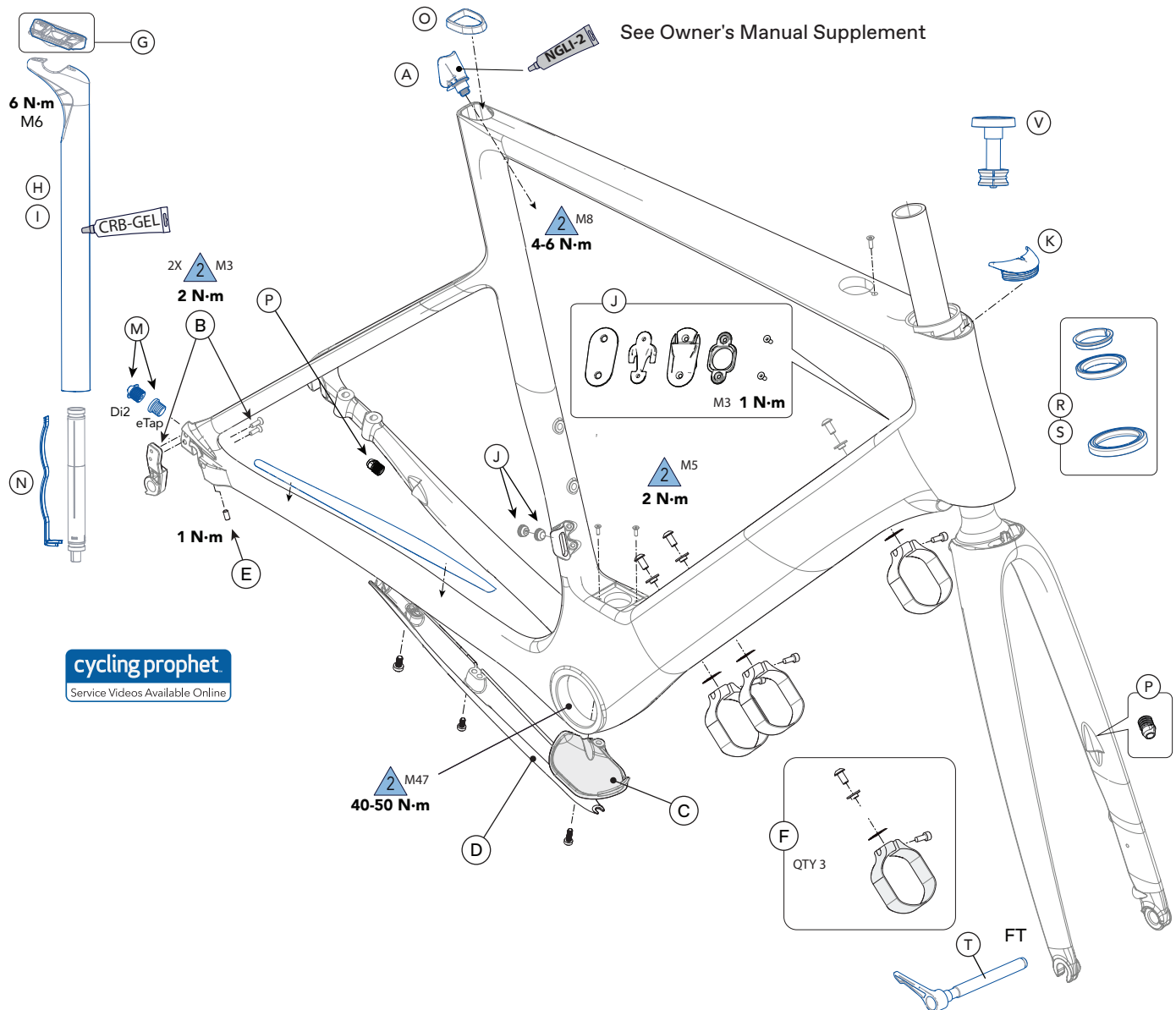
MAHLE ebikemotion® X35 Models

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

MAHLE ebikemotion® X35 Models



ID	Part Number	Description
A	K26030	S6 EVO Internal Seat Binder
B	K33050	Deraillieur 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

Quick Neo SL

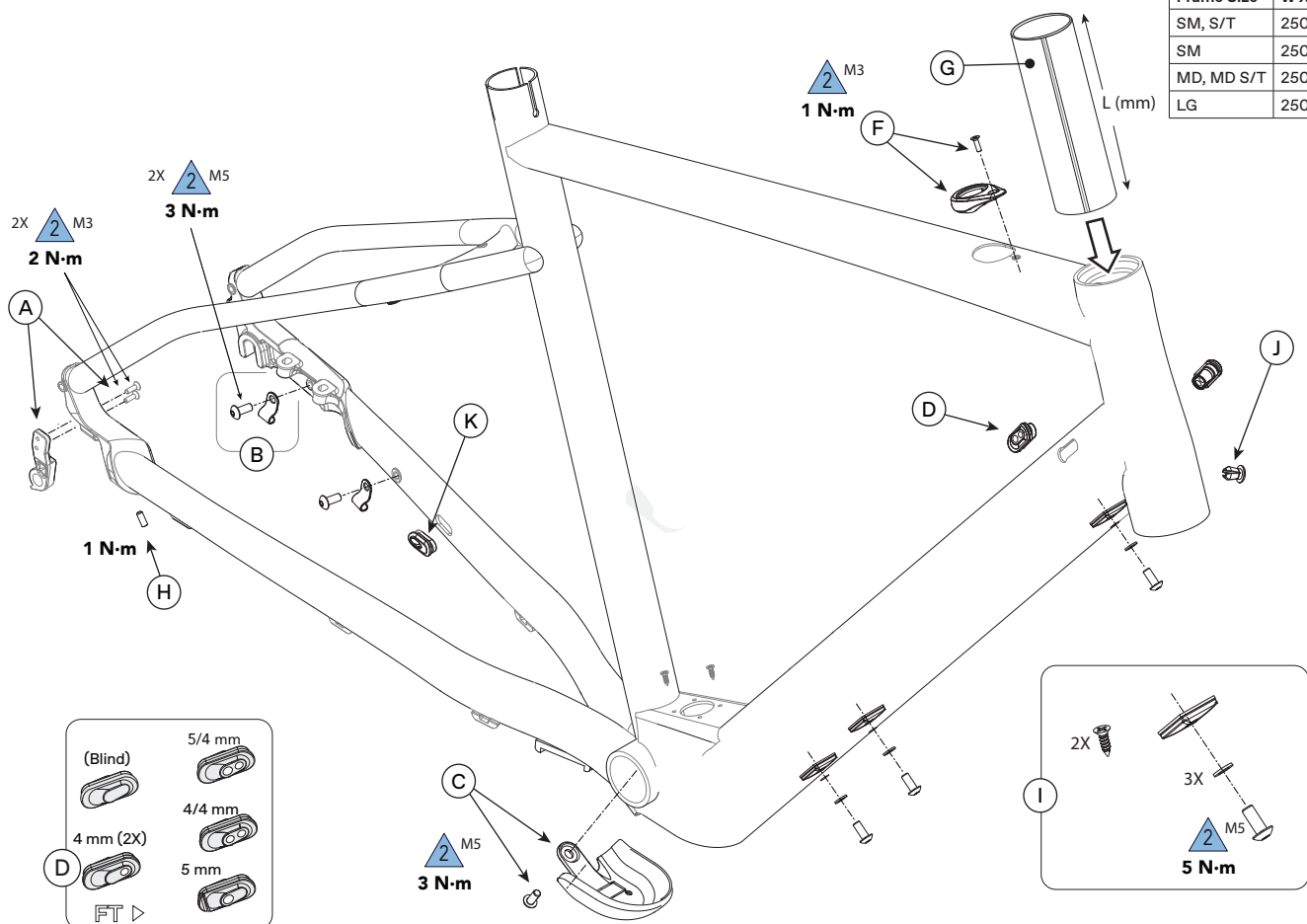
2020

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: 1-1/4in
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

Frame Size	W X L
SM, S/T	250 x 100
SM	250 x 125
MD, MD S/T	250x150
LG	250x175



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
I	K76040	X35 Battery/Charge Mounting Hardware

ID	Part Number	Description
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

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

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Standard & Remixte

Treadwell Neo

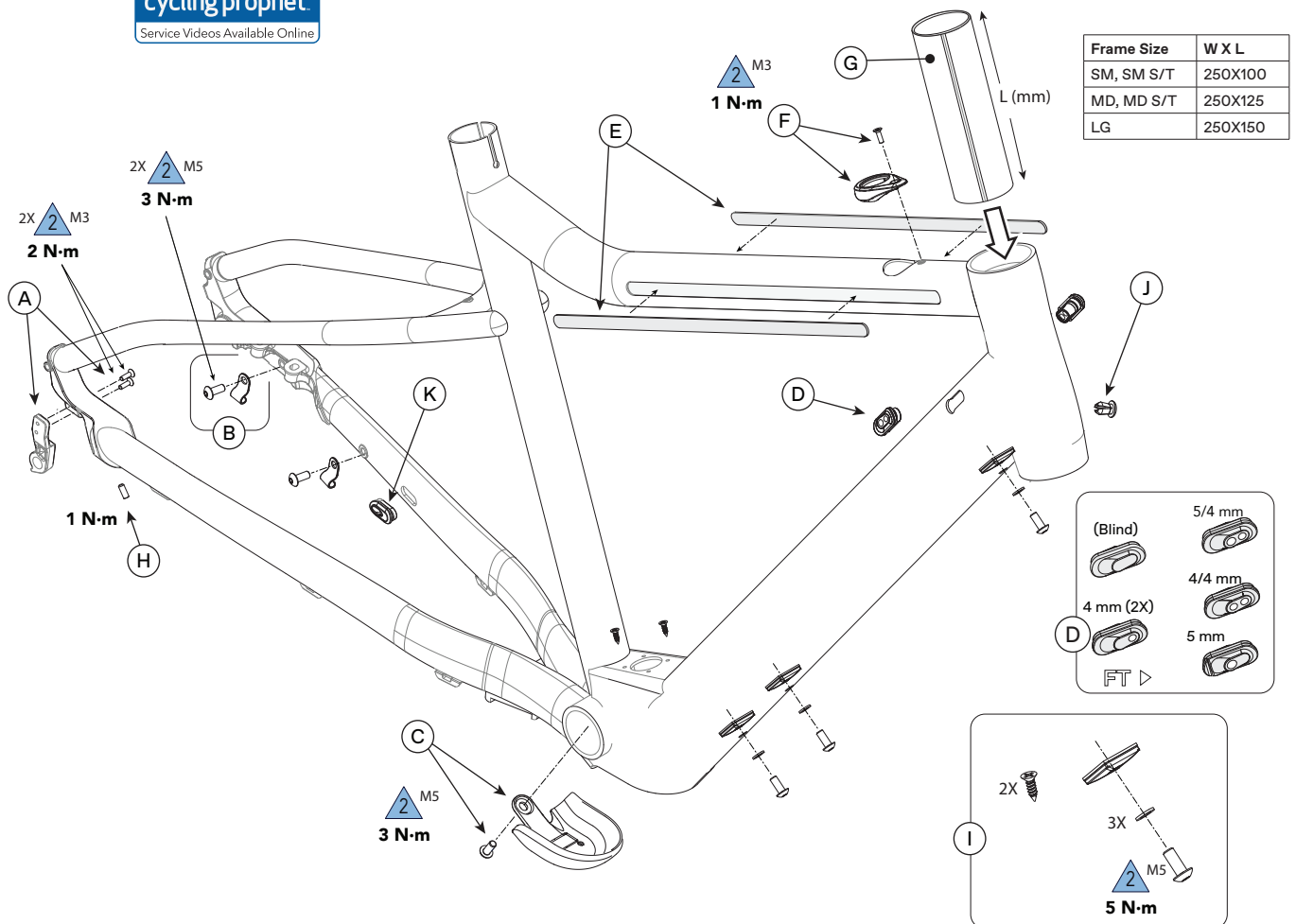
2020

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, FR: Flat Mount/140mm/160mm
Axles: Type/Length	RR: EBM X35 FR: QR /100 × 9mm"
▲ 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
E	K34000	Treadwell Top Tube Scuff Guard
F	K32230	Treadwell Neo Bezel
G	K34020	HT Plastic Cable Sheet
H	K33080	Dropout Bolts M4×10mm (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)
--	K13000	Treadwell Front Rack w/ Bamboo Tray
--	K14040	Herrmans H-Trace E-Bike Rear Light
--	K21000	Cruise Control Handlebar 740 × 31.8mm
--	K83038	Ratchet Lever Maxle 100×12 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:**

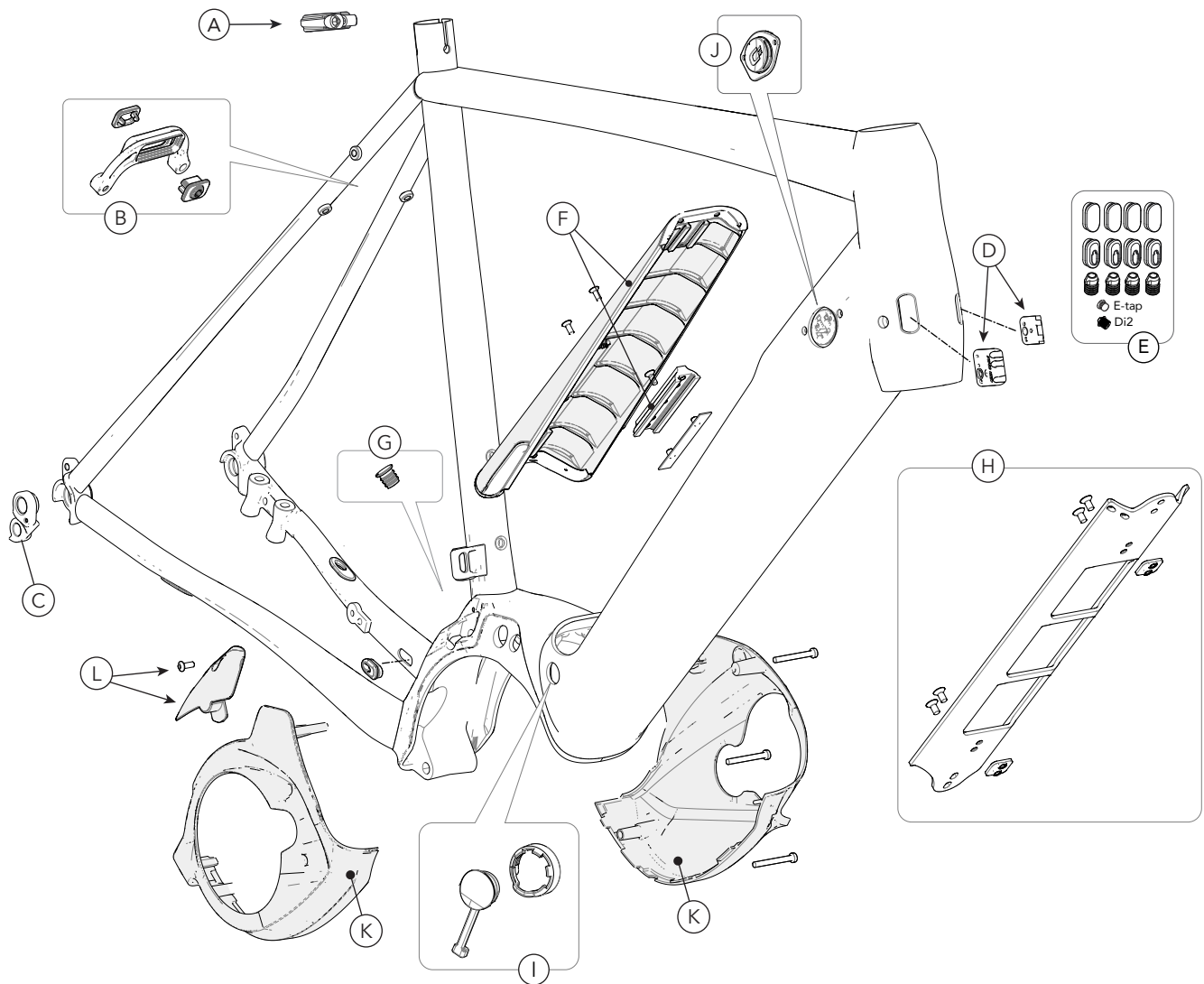
Cannondale Part Number	Cannondale Part Description
K71000	EBM X35 B1-C Battery -6,9A
K74000	EBM Charger-C Without Wire - MDA
K74010	EBM Charging Point - Round Conn.
K75000	EBM Charger Wire For Europe
K75010	EBM Charger Wire For UK
K75020	EBM Charger Wire For USA Canada
K75030	EBM Charger Wire For Australia
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

2019 - 2020

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 × 12 mm, 125 mm RR: Syntace TA 142 × 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	✓	✓

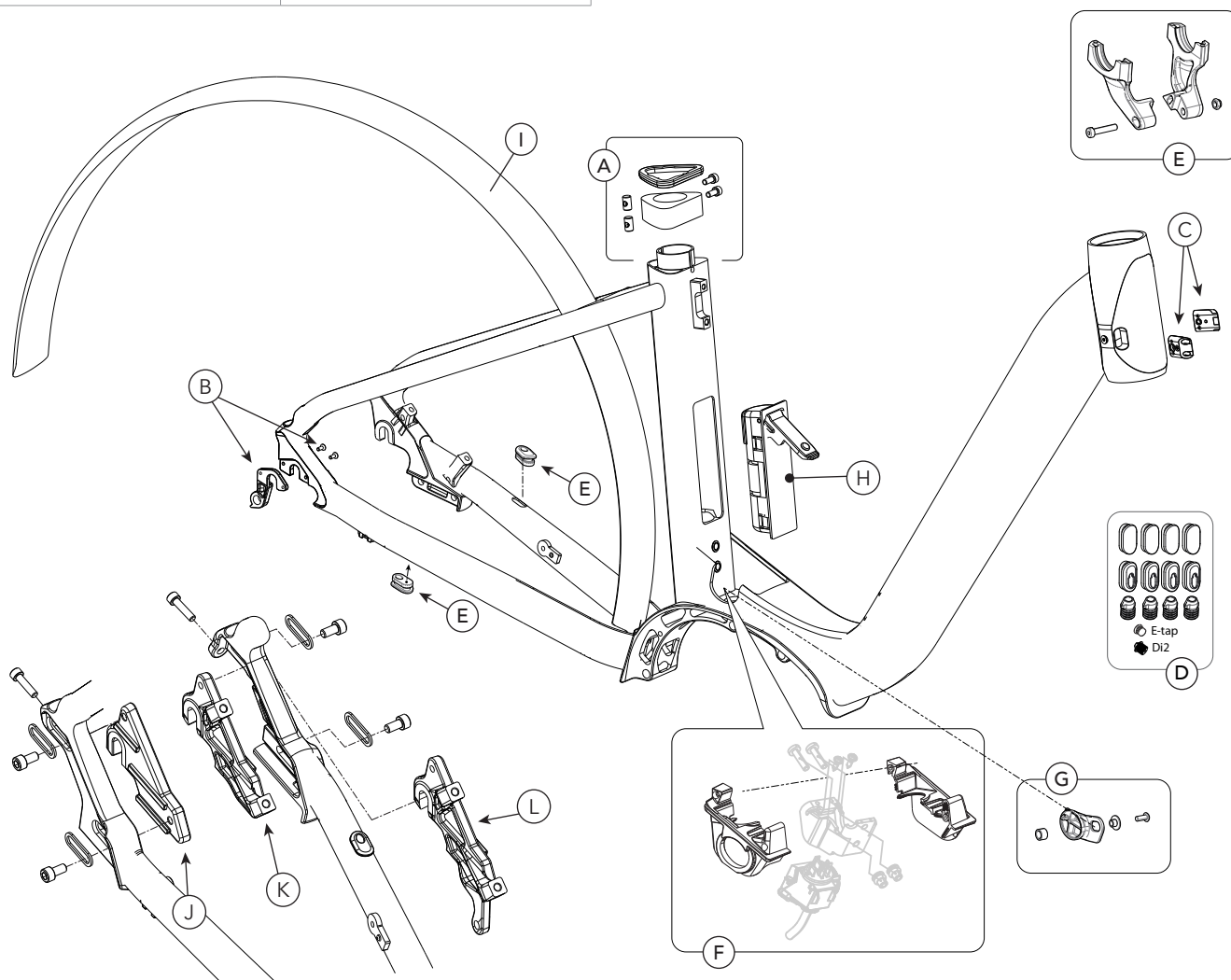
ID	Part Number	Description	SYNAPSE	QUICK
H	K34219	DT Battery Rail	✓	✓
I	K34249	Battery Key Seal	✓	✓
J	K34159	Charge Port Cover PT	✓	✓
K	K3416910	Motor Covers w/ Hardware BLK	✓	✓
	K3416940	Motor Covers w/ Hardware SGY	✓	
L	K3422930	Motor Node 1x Cover SGY	✓	
	K3422910	Motor Node 1x Cover BLK		✓

Mavaro Neo City

2019 - 2020

Item	Specification
Drive System	A) Bosch Performance Line CX B) Bosch Active Line Plus
Battery	A) Bosch PowerPack 500Wh B) Bosch PowerPack 400 Wh
Drive-Assist Owners Manual	https://www.bosch-ebike.com
Head Tube	Cannondale Si
Bottom Bracket: Type/ Width	Bosch Drive Unit
Front Derailleur	N/A
Seat Post: Dia./Binder	31.6 mm / 35.3 mm
▲ Min. Seat Post Insert	100 mm

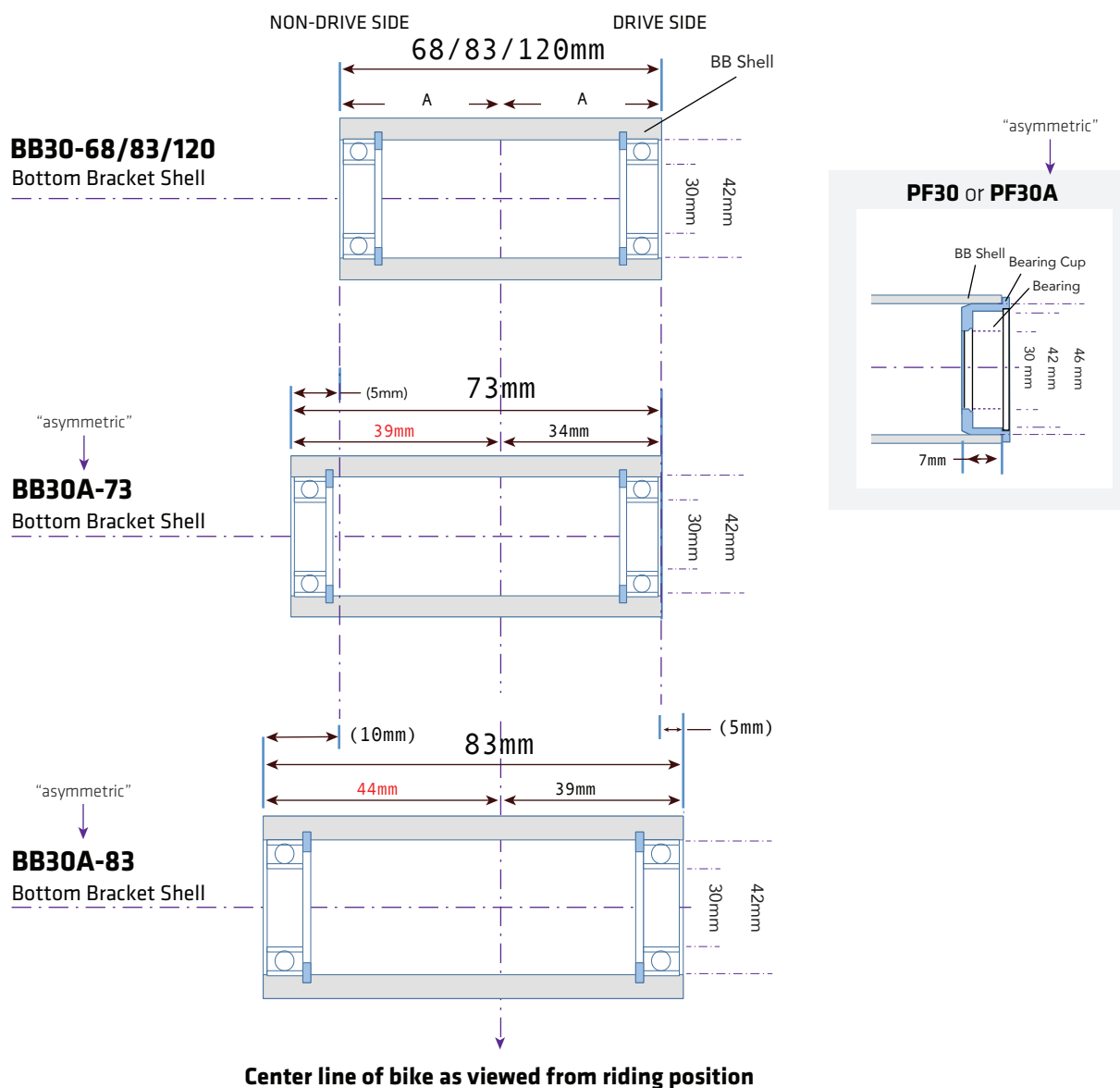
Item	Specification
▲ Tire Size x Max. Width	27.5 in x 2.0 in (measured)
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Post Mount / 160 mm
Axles: Type/Length	RR: QR /135 × 9 mm
▲ Intended Use	ASTM CONDITION 2, General Purpose Riding
▲ Max. Weight Limit Total (Rider+All Equipment):	330 lbs / 150 kg



ID	Part Number	Description
A	K26018	Mavaro NEO Seat Binder
B	KP284/	Derailleur Hanger QR ST SS 028
C	KP456/	Modular Cable Guides Headtube
D	K32048	Shift And Brake Grommets
E	K25018	NEO Light Mounting Bracket
F	K34038	Bosch Battery Cover
G	K34098	Charge Port Cover
H	CP1008U10OS	Mavaro NEO Tool Box
I	K11048	Mavaro NEO Rear Fender 650b

ID	Part Number	Description
J	K33028	Derailleur Hanger BT SS RH 018
K	K33018	Derailleur Hanger QR SS LH 017
L	K33038	Derailleur Hanger BT CB LH 019
--	K11088	Mavaro NEO Front Fender 650b
--	K83018	Headshok DL50 Thru Axle 100 × 15 mm
--	HD169/	Bearings 1.56 Headset (QTY 2)

Bottom Brackets

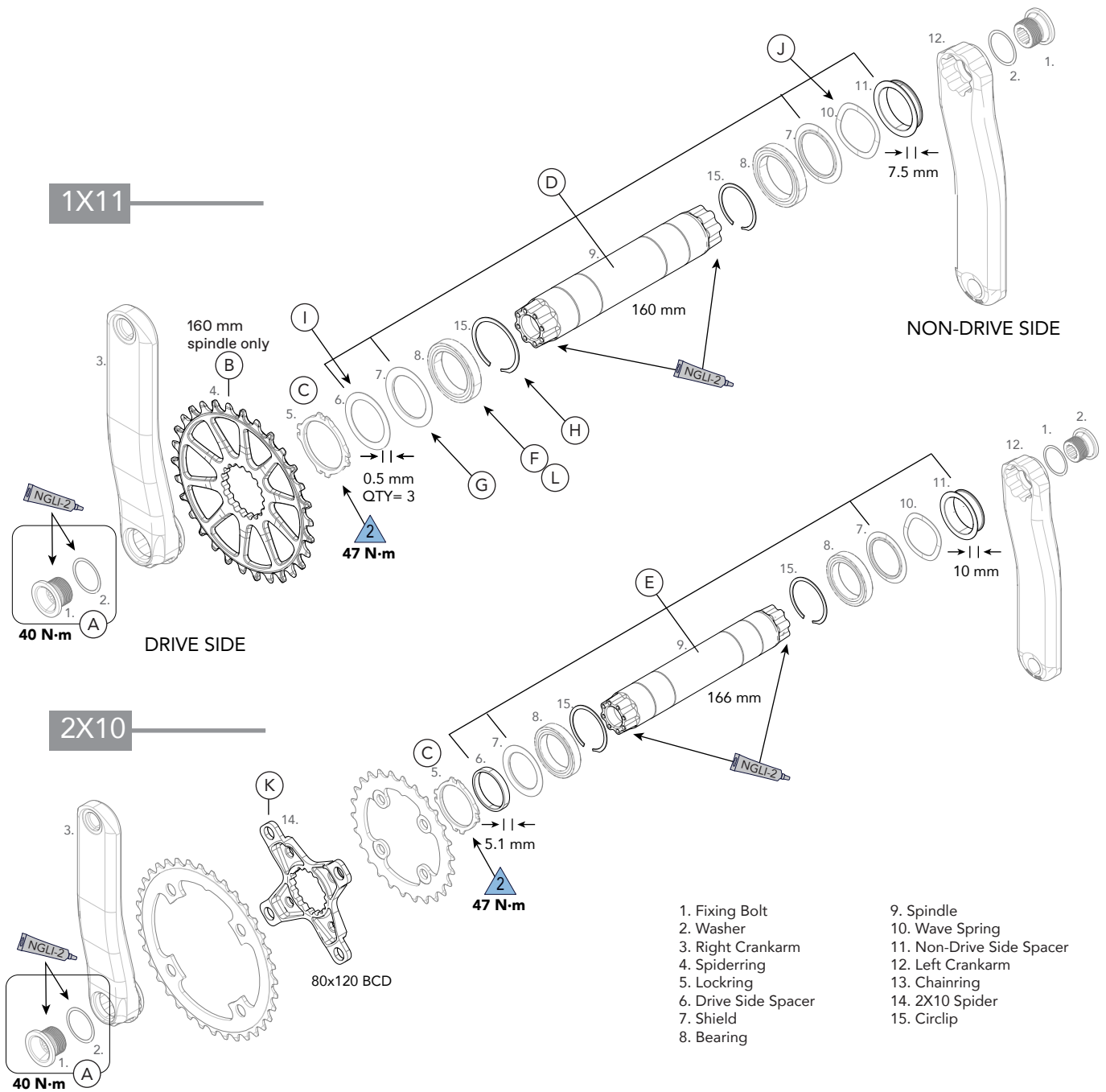


Category	Road				Mtn		Fat	
Si BB Type /Shell Width	BB30-68	BB30A-73 PF30A - 73	PF30A-83		BB30-73 PF30-73	BB30-83 PF30-83	BB30-120	
Si Spindle Length	109	109	119	125	137	137	160	166
BB Shell Width	68	73	83	83	73	83	120	120
Asymmetric? No/Yes	NO	YES	YES	YES	NO	NO	NO	NO
BB Shell Center - Left (Non-Drive) **	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

HollowGram Fat CAAD Cranksets



ID	Part Number	Description
A	KP251/BLK	Crank Bolts HGRM SiSL2 BLK (QTY 2)
B	KP405/	SpideRing Fat CAAD 30T
C	KP021/	Lock Ring SL
D	KP402/	Hollowgram Spindle 160mm
E	KP403/	Hollowgram Spindle 166mm
F	KB6180/	BEARING, BB-BB30
L	K22037	BB30 BEARING Blue (QTY 24)
G	KP249/BLK	BEARING SHIELD, BB-SL2
H	QC616/	BB SI CIRCLIPS (QTY 2)
I	QC617/	SHIMS PLASTIC BB-SI (QTY 5)
J	QC618/	WASHER-WAVE, BB-SI

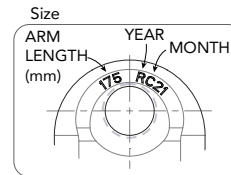
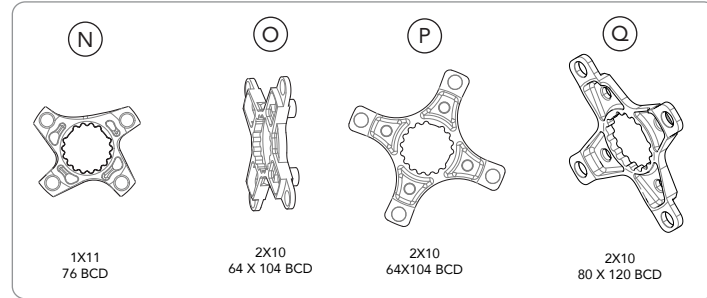
ID	Part Number	Description
K	KP128/	SPIDER SI MTN SRAM 4 BOLT, 2X10
--	KP484/	Hollowgram Mountain Spacers
--	KT013/	Hollowgram Crank Extractor Tool
--	KT012/X	Tool-Lock Ring-Si
--	KT011/	Tool - Bearing Removal Si

See **HollowGram MTN** for crankarms kits.

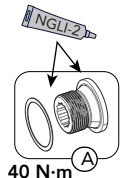
HollowGram Mountain Cranksets

2019 - 2020

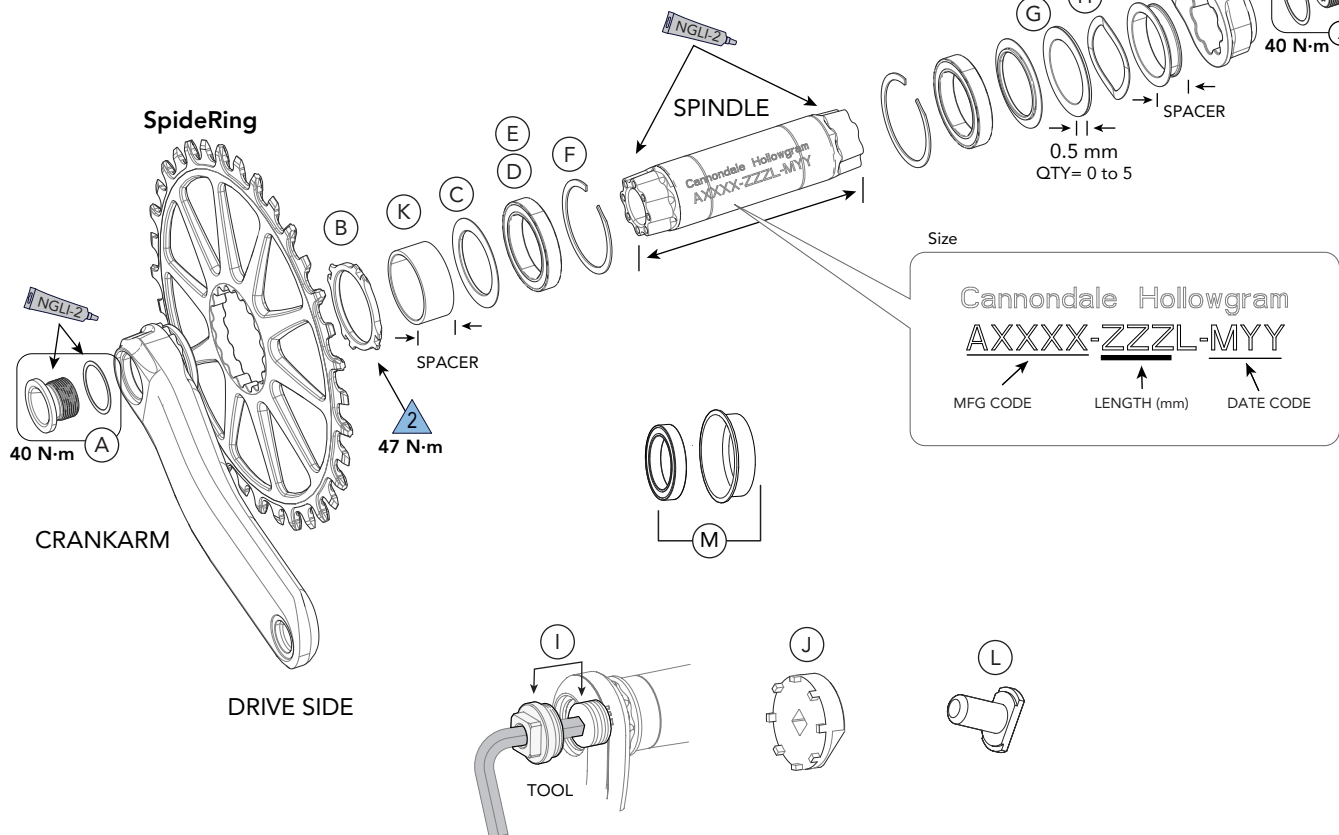
SPIDERS

NON-DRIVE
SIDE

CRANKARM



40 N·m

0.5 mm
QTY= 0 to 5

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

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 - 2020

Complete BB Kits

Part Number	Description	2020				
		Platform	BB Type	BB Width (mm)	Spacer Width (mm) Drive Non-Drive	Standard or Ai Chaining
K22108	Complete BB/PF30 73/83 × 137	F-Si	PF30	83	9.1 14.1	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 
KP402/	160L	1X	Blue 
KP403/	166L	2X	Red 

Crankarms

Arm Length (mm)	Drive Side			Non-Drive		
	Hollowgram SiSL2	Hollowgram Si	Cannondale One	Hollowgram SiSL2	Hollowgram Si	Cannondale Si
165	x	K2208065	K2204065	x	K2209065	K2205065
170	K2206070	K2208070	K2204070	K2207070	K2209070	K2205070
172.5	K2206072	K2208072	K2204072	K2207072	K2209072	K2205072
175	K2206075	K2208075	K2204075	K2207075	K2209075	K2205075

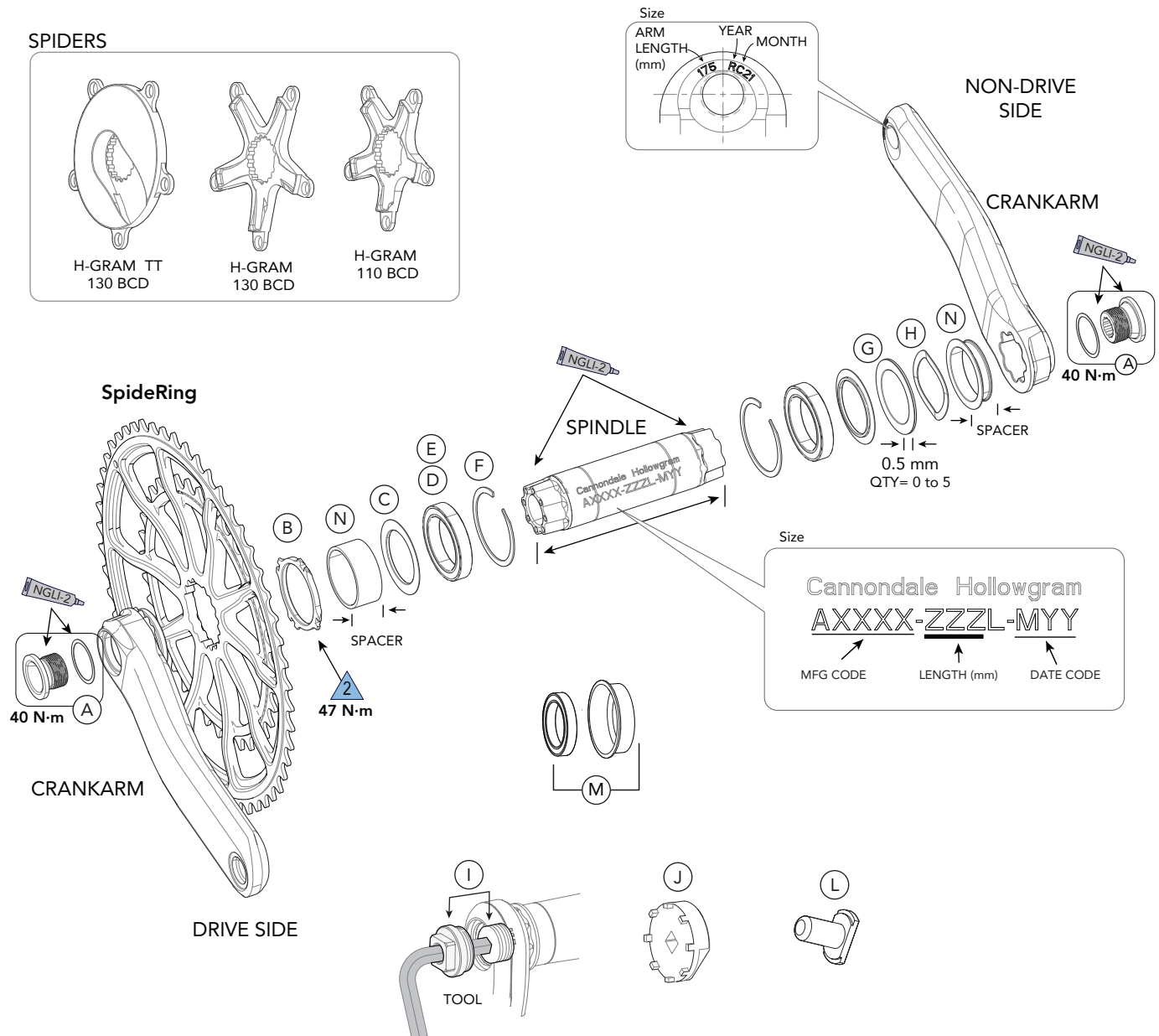
SpideRings

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



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)

ID	Part Number	Description
H	QC618/	Wave Washer BB-Si
I	KT013/	Hollowgram Crank Extractor Tool
J	KT012/X	Lock Ring Si Tool
L	KT011/	BB30 Bearing Removal Tool
M	KP197/SRM	PF30 Bottom Bracket Cups And BRGS
N	KP483/	Hollowgram Road Spacers

HollowGram Road Cranksets

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	K2208065	K2204065	x	K2209065	K2205065
170	K2206070	K2208070	K2204070	K2207070	K2209070	K2205070
172.5	K2206072	K2208072	K2204072	K2207072	K2209072	K2205072
175	K2206075	K2208075	K2204075	K2207075	K2209075	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
CP2319U10OS	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

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 (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

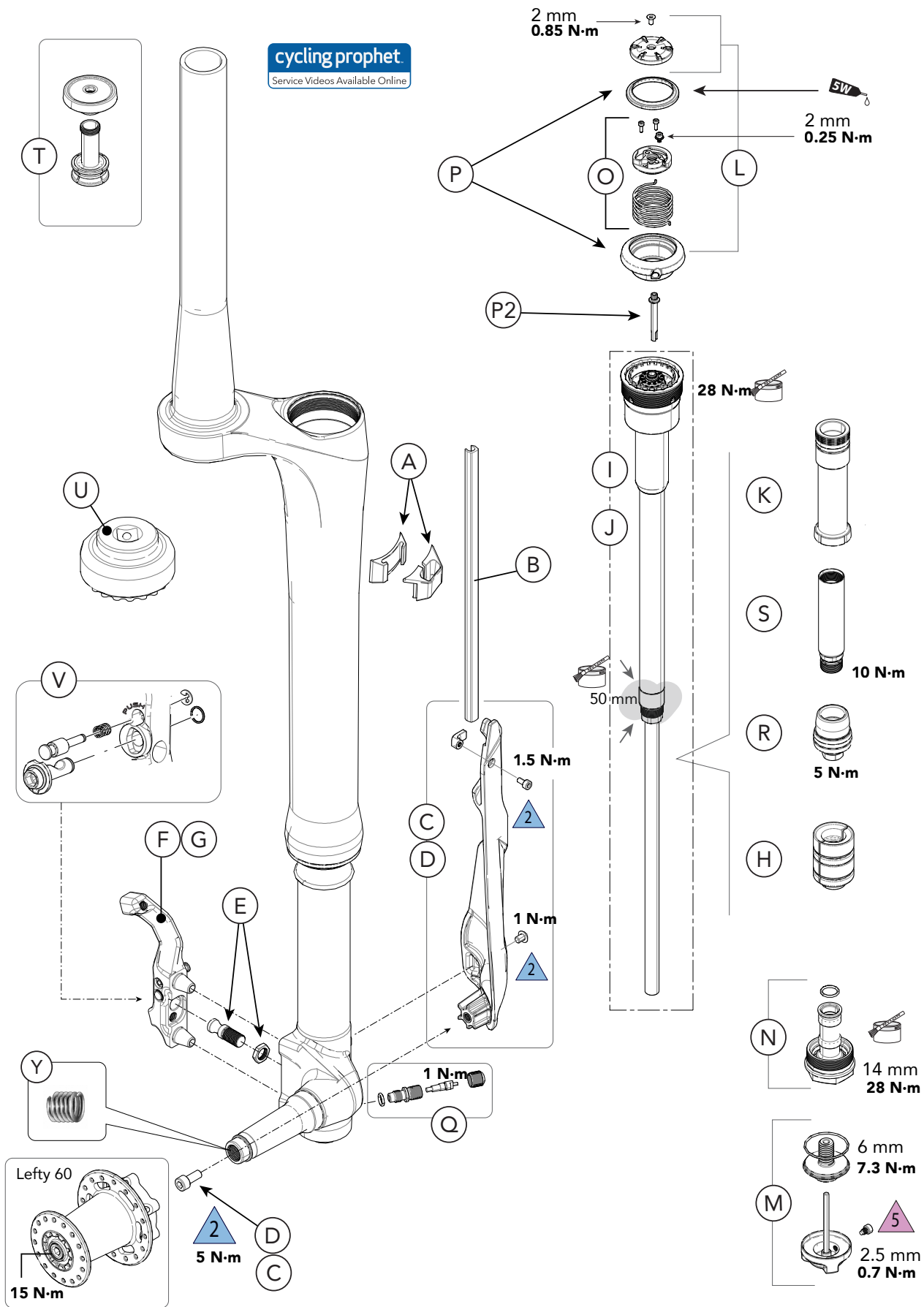
Lefty Ocho

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 DL 50

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 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	K31019	Lefty Stoplock Brake Adapter 160mm
G	K31029	Lefty Stoplock Brake Adapter 180mm
V	K31069	Lefty StopLock Hardware
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
	K54039	Lefty Delta Bearings Clean and Lube x10

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 Brake Mount (disc dia./adapter)	Minimum: 160 mm / K31019 Maximum: 180 mm / K31029			
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 / 150 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.

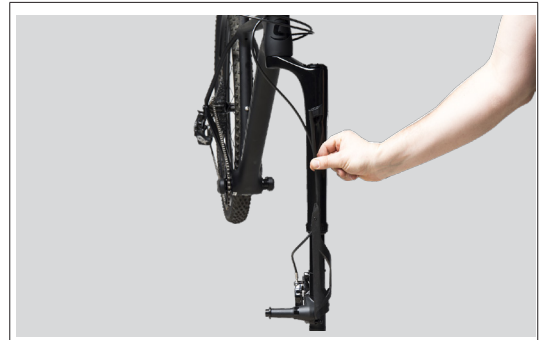


2. Route the brake hose through the channel at the top of the GuideGuard. Rotate the hose clamp so it covers the brake hose. Torque the hose clamp to 1.5 N·m with a 2.5mm hex wrench.

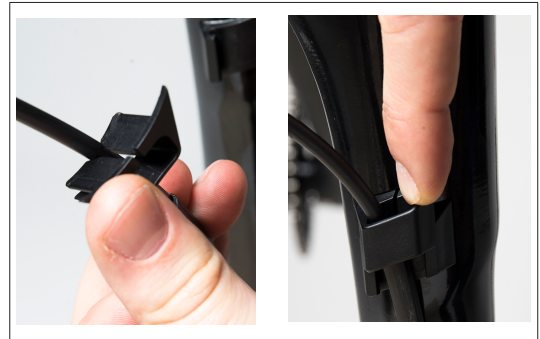


3. Check the brake hose and ensure that it does not contact the Lefty lower leg, brake rotor or wheel spokes.
 - a. If the brake hose contacts the Lefty lower leg, remove the StopLock brake mount, rotate the brake caliper 360 degrees clockwise and reinstall the brake mount.
 - b. If the brake hose contacts 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.

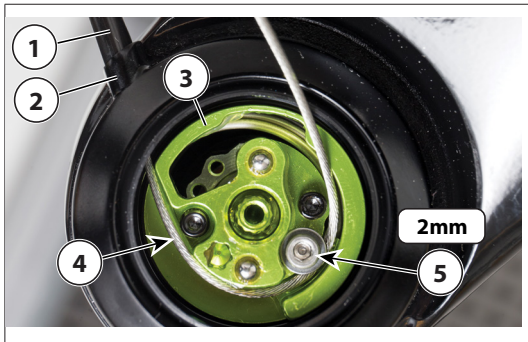


6. Insert the brake hose through the split in the back of the upper cable guide. Insert the upper cable guide into the base and push down to fully seat it.

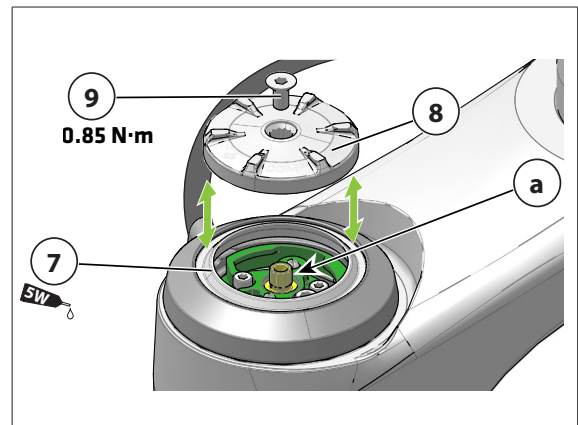
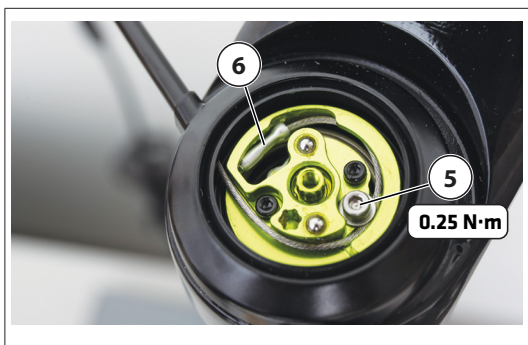


Lefty Ocho Lockout Set Up

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 (3) 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 0.25N·m.



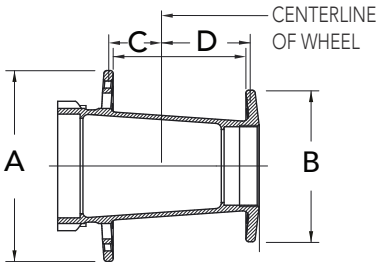
11. Hold the compression adjuster knob stationary with your fingers, tighten the screw (9) to 0.85 N·m.

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

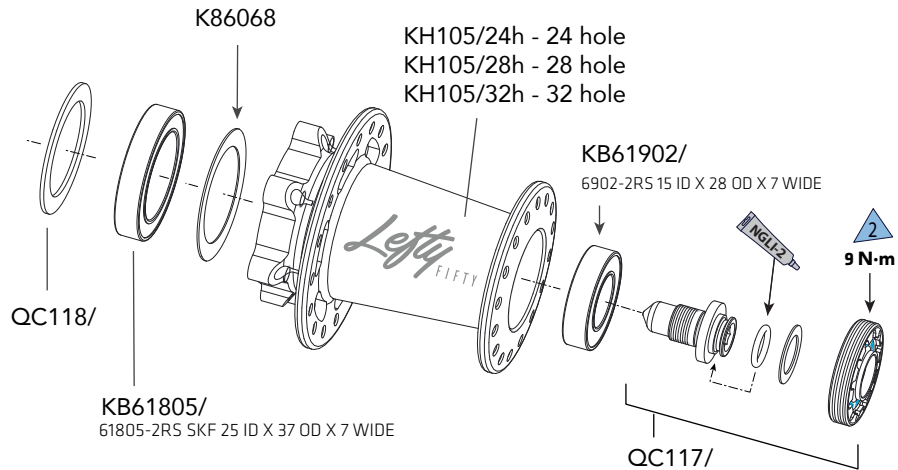
Brake Adapter Chart

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.

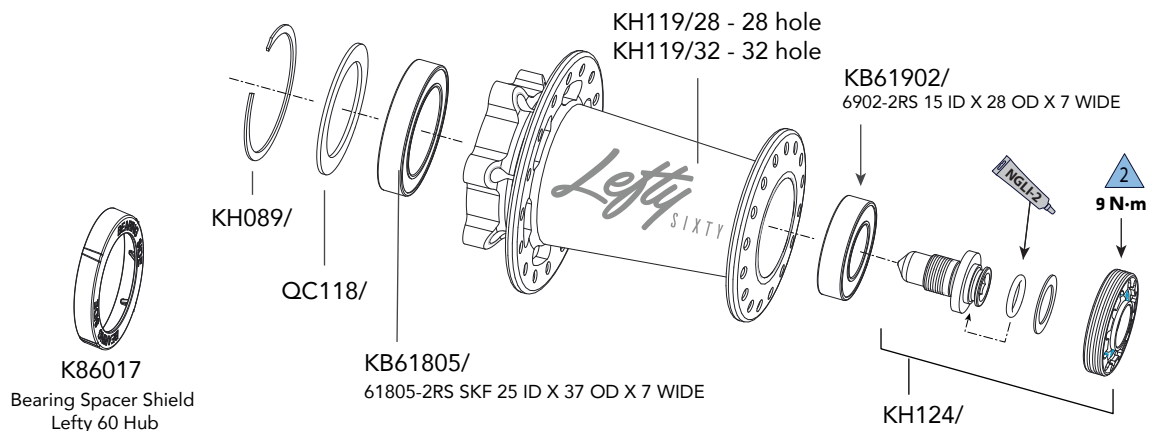
Part Number	Fork Platform	Hub Type	Wheel Size	Fork Offset (mm)	Rotor Size* (mm)
K31019	Ocho	Lefty 60	29 in / 27.5 in	55 / 50	160
K31029	Ocho	Lefty 60	29 in / 27.5 in	55 / 50	180
*ROTOR SIZE is the smallest size diameter brake rotor that can be used for a given model/wheel hub combination. For example, 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

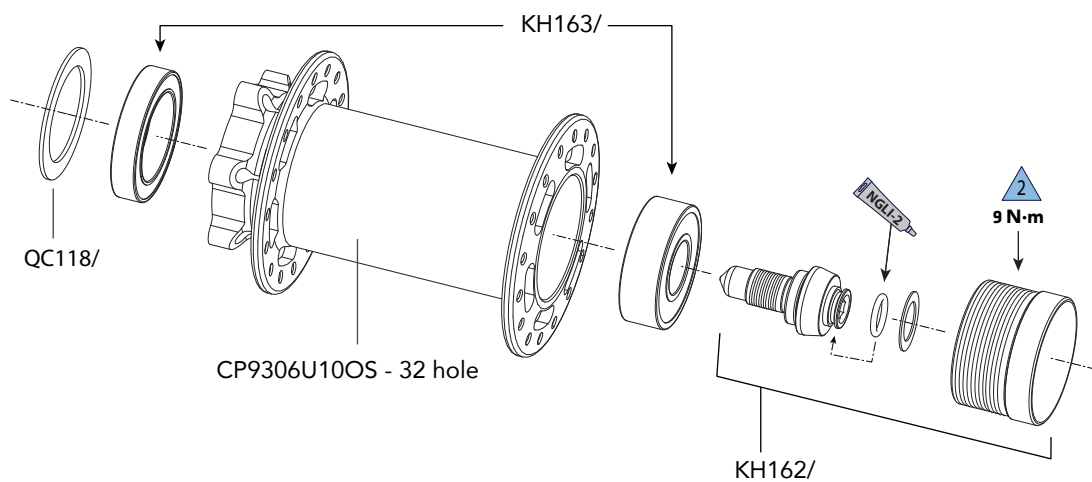
Lefty 50



Lefty 60



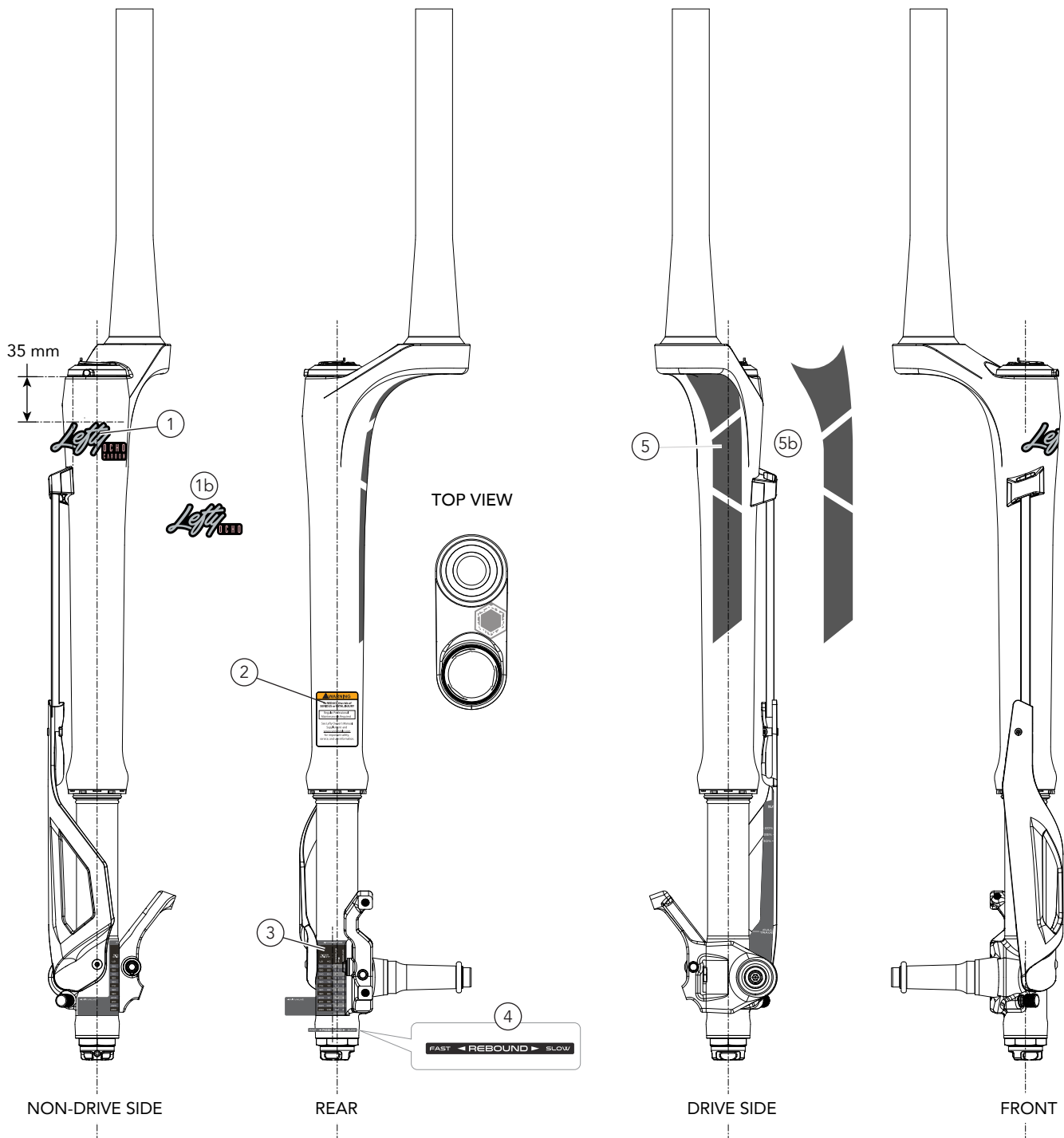
Lefty 73



Lefty Ocho Decals

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"
		K15029	"Lefty Decals Ocho Tech Info 2019 Items: 2,3,4"
Scalpel Si Carbon 3 Scalpel Si Carbon 4 Scalpel Si Carbon Women's 1 Scalpel Si Carbon Women's 2 F-Si Carbon 3 F-Si Carbon 4 F-Si Carbon Women's 2 Trail Neo 1	Ocho Alloy	K15019	"Lefty Decals Ocho Alloy Upper 2019 Items: 1,5"
		K15029	"Lefty Decals Ocho Tech Info 2019 Items: 2,3,4"

Lefty Ocho Decal Placement



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 - Lefty Ocho

Perform the following procedure with the bike on the floor.

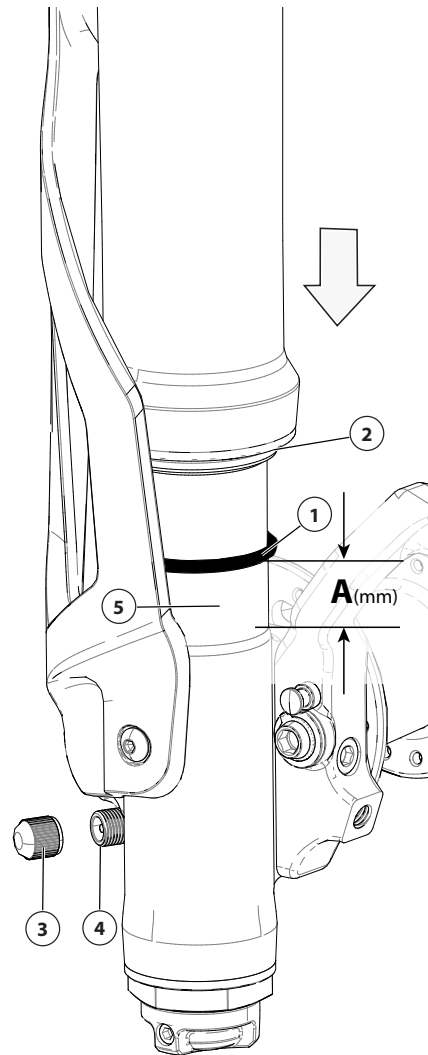
1. Slide the travel indicator o-ring (1) against the wiper seal (2).
2. Remove the valve cap (3) from the Schrader valve (4) and thread a shock pump onto the valve. Record the air pressure and use the shock pump bleed valve to deflate the Lefty.
3. Hold the shock pump bleed valve open and fully compress 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

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)

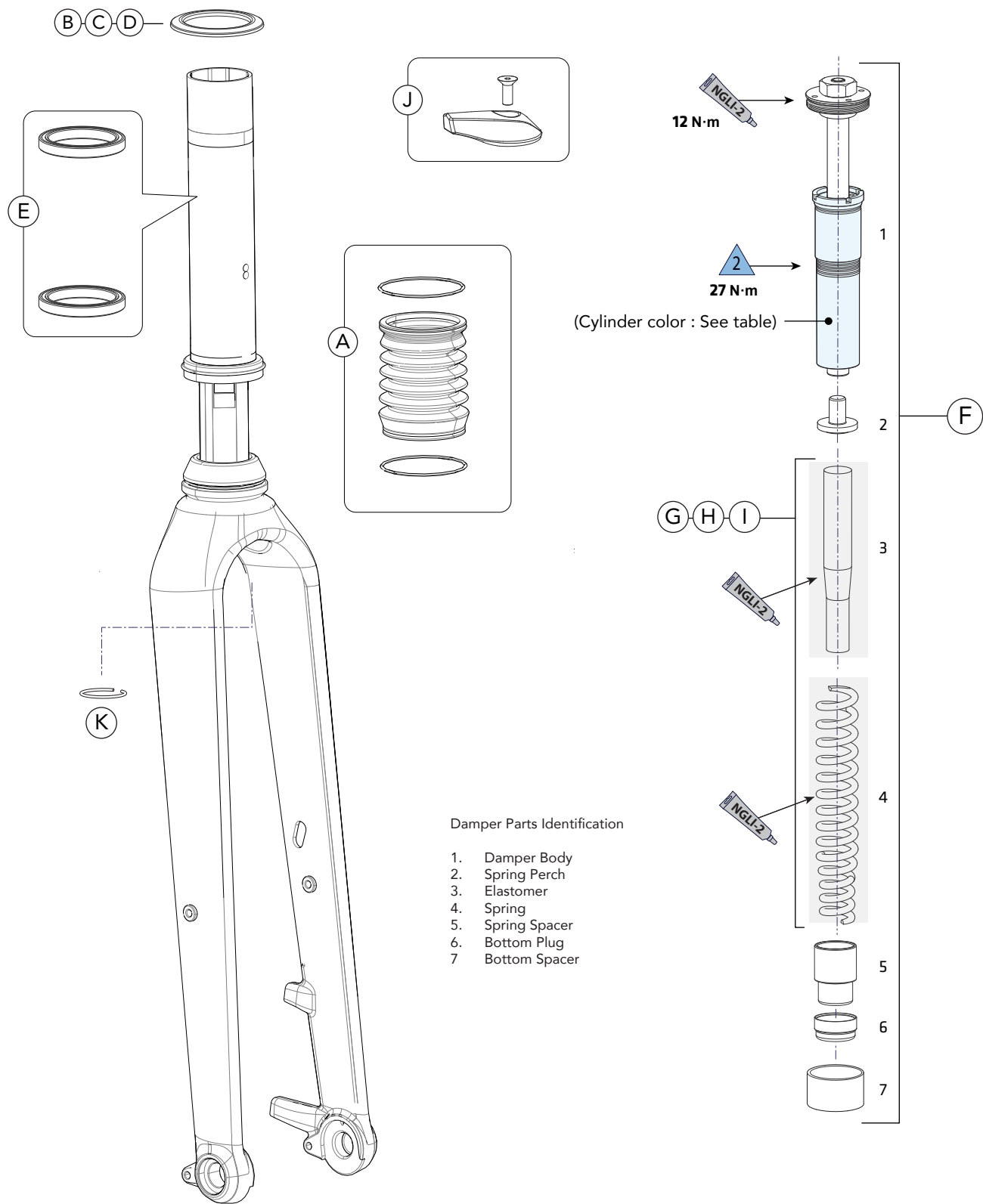
Compress the Lefty 10 times to allow the positive and negative air pressures to equalize.



Take measurement while compressed.

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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)

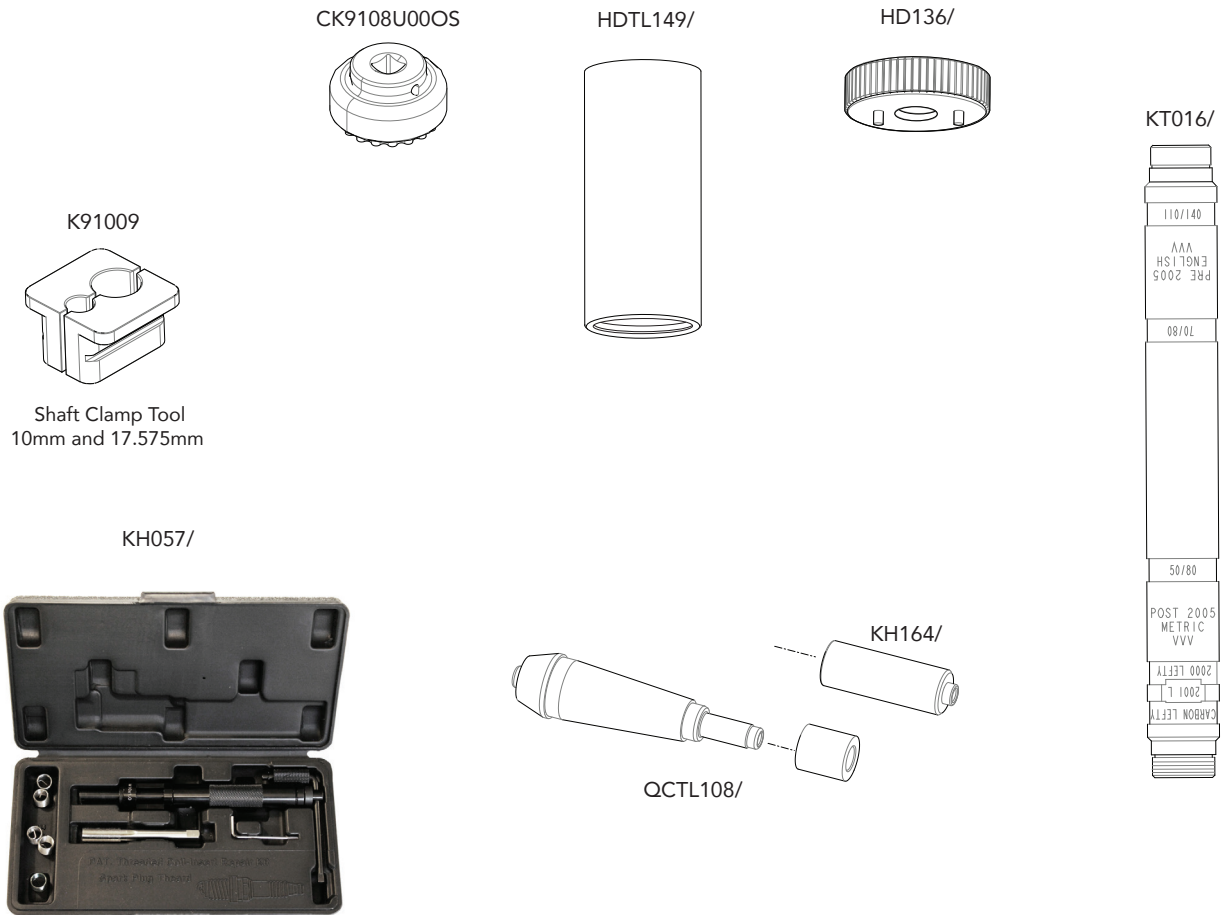
ID	Part Number	Damper And Spring Parts
F	KF239/XL	Headshok DL50 Damper XL color :GRN
G	KF241/	Headshok DL/MC50 Spring Soft color: GRN/BLK
H	KF242/	Headshok DL/MC50 Spring Standard color: GRN
I	KF243/	Headshok DL/MC50 Spring Firm color: RED
J	KF258/	Headshok Lever Lo DL80/50
--	KF236/	Headshok DL50 DL80 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
CK9108U00OS	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

Authorized Headshok/Lefty Service Centers

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www.leftyservicecenter.it

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info@fluidworkssuspension.com

Authorized Headshok/Lefty Service Centers

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Gurnigelstrasse 11
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1 Cannondale Way
Wilton, CT 06897
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Rear Derailleur Hangers

2019 - 2020

Platform	Model Year	Model Name	Part Number
Adventure	2020-2017	Adventure	KP284/
Althea	2020	Althea	KP284/
	2018-2016	Althea	KP284/
Bad Boy	2020-2016	Bad Boy 1	CK3327U000OS
		Bad Boy 2, 3, 4	KP284/
Bad Habit	2019	Bad Habit Crb/Al	CK3257U000OS
		Bad Habit Al	
	2018-2016	Bad Habit Crb	KP381/
		Bad Habit Crb/Al	
		Bad Habit Al	
CAAD Optimo	2020-2017	CAAD Optimo	KP255/
		CAAD Optimo Disc	
CAAD12	2019-2016	CAAD12	KP255/
		CAAD12 Disc	
CAAD13	2020	CAAD13 Rim	KP255/
		CAAD13 Disc	K33009
CAADX	2020-2016	CAADX	KP255/
Canvas Neo	2020	Canvas Neo 1	CK3257U000OS
		Canvas Neo 2	KP173/
Catalyst	2019-2016	Catalyst	KP284/
Cujo	2019-2017	Cujo	KP284/
Cujo Neo	2020-2019	Cujo Neo 130	CK3257U000OS
	2019-2018	Cujo Neo	KP173/
Fat CAAD	2020-2016	Fat CAAD	KP173/
Foray	2019-2017	Foray	KP284/
F-Si	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	
		F-Si Al	
Habit	2020-2019	Habit Crb	CK3257U000OS
		Habit Crb/Al	
		Habit Al	
	2018-2016	Habit Crb	KP381/
		Habit Crb/Al	
		Habit Al	
Habit Neo	2020	Habit Neo	CK3257U000OS
Jekyll	2020-2018	Jekyll Crb	CK3257U000OS
		Jekyll Crb/Al	
		Jekyll Al	
	2017-2015	Jekyll 27.5	KP173/

Rear Derailleur Hangers

2019 - 2020

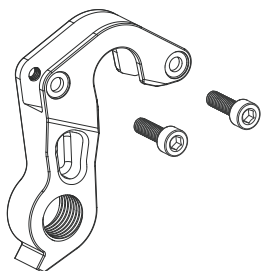
Platform	Model Year	Model Name	Part Number
Kids	2020-2018	Kids Quicks	KP284/
		Kids Trail 20 & 24	
		Kids Cujo 20 & 24	
	2017-2014	Kids Race 24	KP284/
		Kids Trail 24	KP284/
		Kids Street 24	KP284/
Mavaro Neo	2020-2019	Mavaro Neo City	KP284/
	2018	Mavaro Neo 1, 3	KP284/
		Mavaro Neo City 1	
		"Mavaro Neo 2	
Mavaro Neo City 2"	K33018		K33028
			K33038
Moterra	2020	Moterra Crb/Al	CK3257U000S
	2019-2017	Moterra Neo	KP173/
		Moterra LT	
Quick	2020	Quick (Road Spec)	KP255/
		Quick (Mtn Spec)	KP284/
	2019-2016	Quick	KP284/
Quick CX	2020	Quick CX	KP284/
	2018-2015	Quick CX	KP284/
Quick Neo	2020	Quick Neo SL	K33050
	2020-2019	Quick Neo	K33049
	2018	Quick Neo	KP284/
Scarlet	2020-2018	Scarlet	KP284/
Scalpel Si	2020-2017	Scalpel Si Crb	KP432/
		Scalpel Si Crb/Al	
		Scalpel Si HM	
		Scalpel Si Al	
Slate	2019	Slate	K33049
	2018-2016	Slate	KP419/
S6 EVO	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	2020	S6 EVO Neo	K33050

Rear Derailleur Hangers

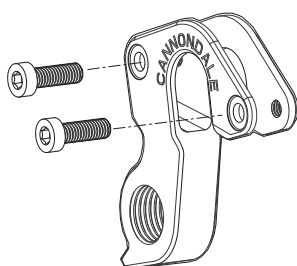
Platform	Model Year	Model Name	Part Number
SuperSlice	2020-2019	SuperSlice	CK3057U000S
SuperX	2020-2019	SuperX	K33049
	2018-2017	SuperX	KP419/
Synapse	2020-2019	Synapse HM Disc	K33049
		Synapse Crb Disc	
		Synapse Al Disc	KP255/
	2019	Synapse Crb	KP158/
	2018	Synapse Al Disc	KP255/
		Synapse Crb	KP158/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

Rear Derailleur Hangers

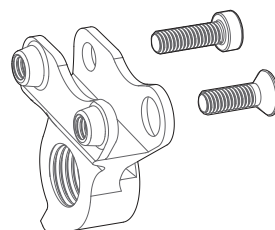
KP121/



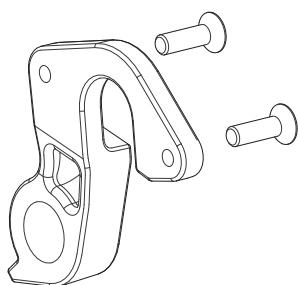
KP158/



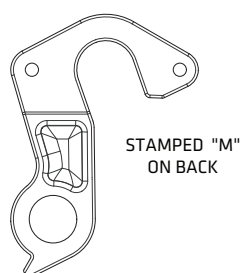
KP173



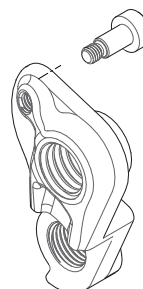
KP255/



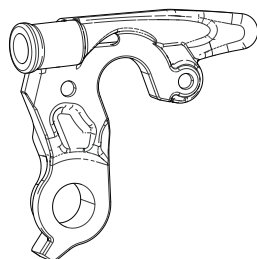
KP284/



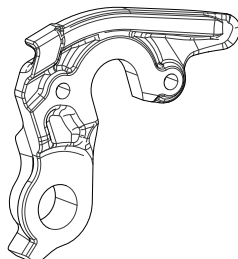
KP381/



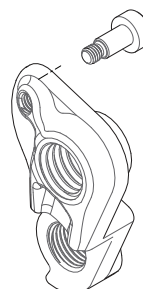
KP395/



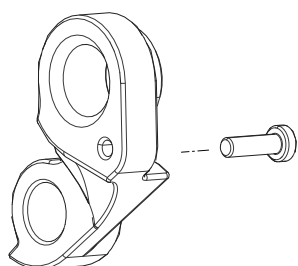
KP396/



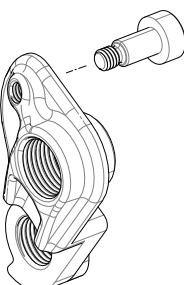
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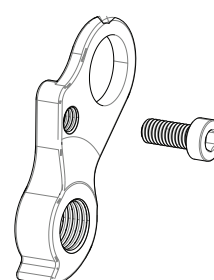
KP419/



KP432/

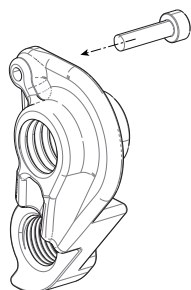


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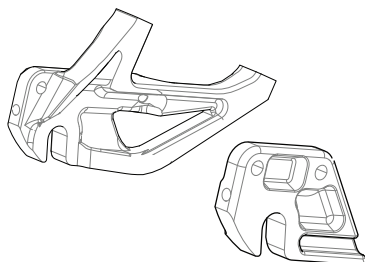


Rear Derailleur Hangers

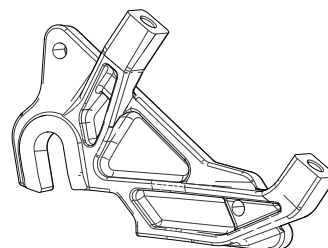
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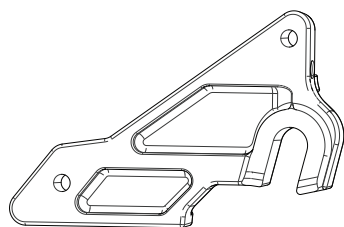
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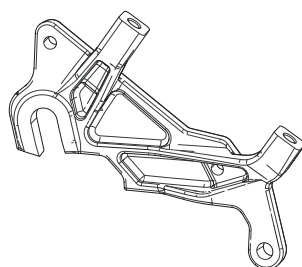
K33018



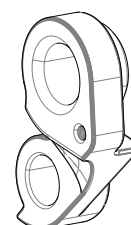
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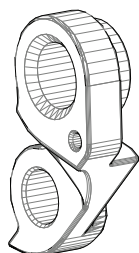
K33038



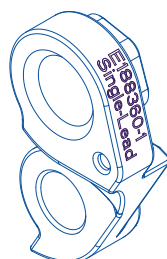
K33049 - Single Lead



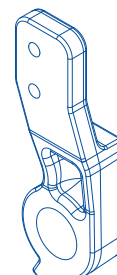
K33009 - Double Lead



K33040 - Single Lead



K33050



Freehub Bodies

Model Code	Bike Model	Hub	Part Number
C51400F	12 F Kids Trail 1	CANNONDALE	N/A
C51400M	12 M Kids Trail 1	CANNONDALE	N/A
C51300F	16 F Kids Trail FW	CANNONDALE	N/A
C51360F	16 F Kids Trail SS	CANNONDALE	N/A
C51300M	16 M Kids Trail FW	CANNONDALE	N/A
C51360M	16 M Kids Trail SS	CANNONDALE	N/A
C51200F	20 F Kids Quick	CANNONDALE	K81068
C51250F	20 F Kids Trail	CANNONDALE	N/A
C51260F	20 F Kids Trail FW	CANNONDALE	N/A
C51270F	20 F Kids Trail SS	CANNONDALE	N/A
C51200M	20 M Kids Quick	CANNONDALE	K81068
C51250M	20 M Kids Trail	CANNONDALE	N/A
C51260M	20 M Kids Trail FW	CANNONDALE	N/A
C51270M	20 M Kids Trail SS	CANNONDALE	N/A
C56400U	20+ U Cujo	CANNONDALE	N/A
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
C56300U	24+ U Cujo	CANNONDALE	K81069
C56100U	24+ U Cujo Race	CANNONDALE	K81069
C26150F	27.5 F Trail 1	SHIMANO	Contact Hub Manufacturer
C26250F	27.5 F Trail 2	SHIMANO	Contact Hub Manufacturer
C26100F	27.5 F Trail Tango 1	SHIMANO	Contact Hub Manufacturer
C26200F	27.5 F Trail Tango 2	SHIMANO	Contact Hub Manufacturer
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
C37300M	27.5 M Treadwell 3	CANNONDALE	N/A
C37150M	27.5 M Treadwell EQP	CANNONDALE	K81069
C64100U	27.5 U Mavaro Neo City 1	SHIMANO	Contact Hub Manufacturer
C64200U	27.5 U Mavaro Neo City 2	SHIMANO	Contact Hub Manufacturer
C64300U	27.5 U Mavaro Neo City 3	SHIMANO	Contact Hub Manufacturer
C64400U	27.5 U Mavaro Neo City 4	SHIMANO	Contact Hub Manufacturer

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
C37200U	27.5 U Treadwell 2 Remixte	CANNONDALE	K81069
C37300U	27.5 U Treadwell 3 Remixte	CANNONDALE	N/A
C37150U	27.5 U Treadwell EQP Remixte	CANNONDALE	K81069
C25200F	27.5/29 F F-Si Crb 2	CANNONDALE	KP459/
C23200F	27.5/29 F Habit Al 2	SHIMANO	Contact Hub Manufacturer
C23300F	27.5/29 F Habit Al 3	SHIMANO	Contact Hub Manufacturer
C23100F	27.5/29 F Habit Crb 1	CANNONDALE	KP460/
C24100F	27.5/29 F Scalpel Si Crb 1	DT SWISS	Contact Hub Manufacturer
C24200F	27.5/29 F Scalpel Si Crb 2	CANNONDALE	KP461/
C26350F	27.5/29 F Trail 3	SHIMANO	Contact Hub Manufacturer
C26450F	27.5/29 F Trail 4	SHIMANO	Contact Hub Manufacturer
C26550F	27.5/29 F Trail 5	SHIMANO	Contact Hub Manufacturer
C26650F	27.5/29 F Trail 6	CANNONDALE	K81069
C26300F	27.5/29 F Trail Tango 3	SHIMANO	Contact Hub Manufacturer
C26400F	27.5/29 F Trail Tango 4	SHIMANO	Contact Hub Manufacturer
C26500F	27.5/29 F Trail Tango 5	CANNONDALE	K81069
C26600F	27.5/29 F Trail Tango 6	CANNONDALE	N/A
C25200M	27.5/29 M F-Si Crb 2	SHIMANO	Contact Hub Manufacturer
C65100M	27.5/29 M Moterra 1	SRAM	Contact Hub Manufacturer
C65200M	27.5/29 M Moterra 2	SRAM	Contact Hub Manufacturer
C65300M	27.5/29 M Moterra 3	CANNONDALE	KP459/
C65120M	27.5/29 M Moterra SE	SRAM	Contact Hub Manufacturer
C24500M	27.5/29 M Scalpel Si Al 5	CANNONDALE	KP459/
C24600M	27.5/29 M Scalpel Si Al 6	CANNONDALE	KP459/
C24200M	27.5/29 M Scalpel Si Crb 2	DT SWISS	Contact Hub Manufacturer
C24300M	27.5/29 M Scalpel Si Crb 3	DT SWISS	Contact Hub Manufacturer
C24400M	27.5/29 M Scalpel Si Crb 4	CANNONDALE	KP461/
C24350M	27.5/29 M Scalpel Si Crb SE	CANNONDALE	K81039
C24150M	27.5/29 M Scalpel Si HM 1	DT SWISS	Contact Hub Manufacturer
C24100M	27.5/29 M Scalpel Si HM World Cup	DT SWISS	Contact Hub Manufacturer
C26100M	27.5/29 M Trail 1	SHIMANO	Contact Hub Manufacturer

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
C26150M	27.5/29 M Trail 1	SHIMANO	Contact Hub Manufacturer
C26200M	27.5/29 M Trail 2	SHIMANO	Contact Hub Manufacturer
C26250M	27.5/29 M Trail 2	SHIMANO	Contact Hub Manufacturer
C26300M	27.5/29 M Trail 3	SHIMANO	Contact Hub Manufacturer
C26350M	27.5/29 M Trail 3	SHIMANO	Contact Hub Manufacturer
C26400M	27.5/29 M Trail 4	SHIMANO	Contact Hub Manufacturer
C26450M	27.5/29 M Trail 4	SHIMANO	Contact Hub Manufacturer
C26500M	27.5/29 M Trail 5	SHIMANO	Contact Hub Manufacturer
C26550M	27.5/29 M Trail 5	SHIMANO	Contact Hub Manufacturer
C26600M	27.5/29 M Trail 6	SHIMANO	Contact Hub Manufacturer
C26650M	27.5/29 M Trail 6	SHIMANO	Contact Hub Manufacturer
C26700M	27.5/29 M Trail 7	CANNONDALE	K81069
C26750M	27.5/29 M Trail 7	SHIMANO	Contact Hub Manufacturer
C26800M	27.5/29 M Trail 8	CANNONDALE	N/A
C26850M	27.5/29 M Trail 8	CANNONDALE	K81069
C61100M	27.5/29 M Trail Neo 1	CANNONDALE	KP459/
C61200M	27.5/29 M Trail Neo 2	SHIMANO	Contact Hub Manufacturer
C26170F	27.5+ F Cujo Scarlet 1	SHIMANO	Contact Hub Manufacturer
C26170M	27.5+ M Cujo 1	SHIMANO	Contact Hub Manufacturer
C26270M	27.5+ M Cujo 2	SHIMANO	Contact Hub Manufacturer
C26370M	27.5+ M Cujo 3	CANNONDALE	K81069
C61250M	27.5+ M Cujo Neo 130	SHIMANO	Contact Hub Manufacturer
C28100M	27.5+ M Fat CAAD 1	SUNRINGLE	Contact Hub Manufacturer
C21100F	29 F Jekyll Crb/Al 1	CANNONDALE	KP460/
C64100M	29 M Canvas Neo 1	SHIMANO	Contact Hub Manufacturer
C64150M	29 M Canvas Neo 1	SHIMANO	Contact Hub Manufacturer
C64200M	29 M Canvas Neo 2	SHIMANO	Contact Hub Manufacturer
C64250M	29 M Canvas Neo 2	SHIMANO	Contact Hub Manufacturer
C25300M	29 M F-Si Crb 3	NOTUBES	Contact Hub Manufacturer
C25400M	29 M F-Si Crb 4	CANNONDALE	KP459/
C25500M	29 M F-Si Crb 5	CANNONDALE	KP459/
C25150M	29 M F-Si HM 1	DT SWISS	Contact Hub Manufacturer
C25100M	29 M F-Si HM World Cup	DT SWISS	Contact Hub Manufacturer
C23400M	29 M Habit Al 4	CANNONDALE	KP460/
C23500M	29 M Habit Al 5	SHIMANO	Contact Hub Manufacturer

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
C23600M	29 M Habit AI 6	SHIMANO	Contact Hub Manufacturer
C23100M	29 M Habit Crb 1	DT SWISS	Contact Hub Manufacturer
C23200M	29 M Habit Crb 2	DT SWISS	Contact Hub Manufacturer
C23300M	29 M Habit Crb 3	CANNONDALE	KP460/
C23250M	29 M Habit Crb SE	CANNONDALE	KP460/
C65150M	29 M Habit Neo 1	SRAM	Contact Hub Manufacturer
C65250M	29 M Habit Neo 2	SRAM	Contact Hub Manufacturer
C65350M	29 M Habit Neo 3	SRAM	Contact Hub Manufacturer
C65450M	29 M Habit Neo 4	CANNONDALE	KP459/
C21400M	29 M Jekyll AI 4	CANNONDALE	KP460/
C21100M	29 M Jekyll Crb/AI 1	DT SWISS	Contact Hub Manufacturer
C21200M	29 M Jekyll Crb/AI 2	SRAM	Contact Hub Manufacturer
C21300M	29 M Jekyll Crb/AI 3	CANNONDALE	KP460/
C66100M	29 M Tesoro Neo X 1	SHIMANO	Contact Hub Manufacturer
C66160M	29 M Tesoro Neo X 1	SHIMANO	Contact Hub Manufacturer
C66200M	29 M Tesoro Neo X 2	SHIMANO	Contact Hub Manufacturer
C66260M	29 M Tesoro Neo X 2	SHIMANO	Contact Hub Manufacturer
C66300M	29 M Tesoro Neo X 3	SHIMANO	Contact Hub Manufacturer
C66360M	29 M Tesoro Neo X 3	SHIMANO	Contact Hub Manufacturer
C61300M	29 M Trail Neo 3	SHIMANO	Contact Hub Manufacturer
C64100F	29 U Canvas Neo 1 Remixte	SHIMANO	Contact Hub Manufacturer
C64170U	29 U Canvas Neo 1 Remixte	SHIMANO	Contact Hub Manufacturer
C64200F	29 U Canvas Neo 2 Remixte	SHIMANO	Contact Hub Manufacturer
C64270U	29 U Canvas Neo 2 Remixte	SHIMANO	Contact Hub Manufacturer
C66100F	29 U Tesoro Neo X 1 Remixte	SHIMANO	Contact Hub Manufacturer
C66170U	29 U Tesoro Neo X 1 Remixte	SHIMANO	Contact Hub Manufacturer
C66200F	29 U Tesoro Neo X 2 Remixte	SHIMANO	Contact Hub Manufacturer
C66270U	29 U Tesoro Neo X 2 Remixte	SHIMANO	Contact Hub Manufacturer
C66300F	29 U Tesoro Neo X 3 Remixte	SHIMANO	Contact Hub Manufacturer
C66370U	29 U Tesoro Neo X 3 Remixte	SHIMANO	Contact Hub Manufacturer
C67300M	650 M Synapse Neo SE	CANNONDALE	KP459/
C31150F	650/700 F Quick Althea 1	SHIMANO	Contact Hub Manufacturer
C31250F	650/700 F Quick Althea 2	SHIMANO	Contact Hub Manufacturer
C31350F	650/700 F Quick Althea 3	SHIMANO	Contact Hub Manufacturer
C31450F	650/700 F Quick Althea 4	CANNONDALE	N/A
C32100F	700 F Adventure 1	SHIMANO	Contact Hub Manufacturer
C32200F	700 F Adventure 2	CANNONDALE	N/A
C13400F	700 F CAAD13 105	FULCRUM	Contact Hub Manufacturer
C13200F	700 F CAAD13 Disc 105	CANNONDALE	K81028

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
C31600F	700 F Quick 6 Remixte	SHIMANO	Contact Hub Manufacturer
C31100F	700 F Quick Disc 1	CANNONDALE	K81079
C31200F	700 F Quick Disc 2	CANNONDALE	K81069
C31300F	700 F Quick Disc 3	CANNONDALE	K81069
C31330F	700 F Quick Disc 3 Remixte	CANNONDALE	K81069
C31400F	700 F Quick Disc 4	CANNONDALE	K81069
C31500F	700 F Quick Disc 5	CANNONDALE	N/A
C31530F	700 F Quick Disc 5 Remixte	CANNONDALE	N/A
C11750F	700 F S6 EVO Crb 105	FULCRUM	Contact Hub Manufacturer
C11650F	700 F S6 EVO Crb Disc 105	FULCRUM	Contact Hub Manufacturer
C11550F	700 F S6 EVO Crb Disc Ult	CANNONDALE	KP416/
C11350F	700 F S6 EVO Crb Disc Ult Di2	DT SWISS	Contact Hub Manufacturer
C17200F	700 F SuperX Force 1	CANNONDALE	KP464/
C12550F	700 F Synapse Al 105	CANNONDALE	K81079
C12650F	700 F Synapse Al Sora	CANNONDALE	K81058
C12600F	700 F Synapse Al Tgra	CANNONDALE	K81069
C12350F	700 F Synapse Crb 105	CANNONDALE	K81028
C12400F	700 F Synapse Crb Tgra	CANNONDALE	K81028
C12300F	700 F Synapse Crb Ult	FULCRUM	K81019
C12150F	700 F Synapse HM Ult Di2	DT SWISS	Contact Hub Manufacturer
C11300F	700 F SystemSix Crb Ult Di2	DT SWISS	Contact Hub Manufacturer
C15700F	700 F Topstone Al 105	CANNONDALE	K81028
C15500F	700 F Topstone Crb Ult RX 2	CANNONDALE	K81028
C32100M	700 M Adventure 1	SHIMANO	Contact Hub Manufacturer
C32200M	700 M Adventure 2	CANNONDALE	N/A
C14100M	700 M CAAD Optimo 105	CANNONDALE	K81079
C14170M	700 M CAAD Optimo 105	CANNONDALE	K81079
C14400M	700 M CAAD Optimo Claris	CANNONDALE	K81069
C34800M	700 M CAAD Optimo Claris FB	CANNONDALE	K81069
C14300M	700 M CAAD Optimo Sora	CANNONDALE	K81069
C14370M	700 M CAAD Optimo Sora	CANNONDALE	K81069
C14200M	700 M CAAD Optimo Tgra	CANNONDALE	K81069
C14270M	700 M CAAD Optimo Tgra	CANNONDALE	K81069
C13400M	700 M CAAD13 105	FULCRUM	Contact Hub Manufacturer
C13470M	700 M CAAD13 105	FULCRUM	Contact Hub Manufacturer
C13300M	700 M CAAD13 Disc 105	CANNONDALE	K81028
C13350M	700 M CAAD13 Disc 105	FULCRUM	K81009
C13100M	700 M CAAD13 Disc Force	DT SWISS	Contact Hub Manufacturer

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
C13250M	700 M CAAD13 Disc Ult	FULCRUM	K81019
C13200M	700 M CAAD13 Ult	FULCRUM	K81019
C16200M	700 M CAADX 105	CANNONDALE	K81079
C16100M	700 M CAADX SE 105	CANNONDALE	K81069
C16300M	700 M CAADX Tgra	CANNONDALE	K81069
C31600M	700 M Quick 6	SHIMANO	Contact Hub Manufacturer
C31150M	700 M Quick CX 1	SHIMANO	Contact Hub Manufacturer
C31250M	700 M Quick CX 2	SHIMANO	Contact Hub Manufacturer
C31350M	700 M Quick CX 3	SHIMANO	Contact Hub Manufacturer
C31450M	700 M Quick CX 4	CANNONDALE	N/A
C31100M	700 M Quick Disc 1	CANNONDALE	K81079
C31200M	700 M Quick Disc 2	CANNONDALE	K81069
C31300M	700 M Quick Disc 3	CANNONDALE	K81069
C31370M	700 M Quick Disc 3	CANNONDALE	K81069
C31400M	700 M Quick Disc 4	CANNONDALE	K81069
C31470M	700 M Quick Disc 4	CANNONDALE	K81069
C31500M	700 M Quick Disc 5	CANNONDALE	N/A
C31570M	700 M Quick Disc 5	CANNONDALE	N/A
C63200M	700 M Quick Neo	CANNONDALE	KP459/
C63500M	700 M Quick Neo	CANNONDALE	KP459/
C63100M	700 M Quick Neo EQ	CANNONDALE	KP459/
C31859M	700 M Quick Unlimited	SHIMANO	Contact Hub Manufacturer
C11750M	700 M S6 EVO Crb 105	FULCRUM	Contact Hub Manufacturer
C11650M	700 M S6 EVO Crb Disc 105	FULCRUM	Contact Hub Manufacturer
C11450M	700 M S6 EVO Crb Disc Force eTap	CANNONDALE	K81010
C11550M	700 M S6 EVO Crb Disc Ult	CANNONDALE	KP416/
C11600M	700 M S6 EVO Crb Ult 2	FULCRUM	K81019
C11350M	700 M S6 EVO HM Disc D/A	DT SWISS	Contact Hub Manufacturer
C11150M	700 M S6 EVO HM Disc D/A Di2	DT SWISS	Contact Hub Manufacturer
C11370M	700 M S6 EVO HM Disc Ult	CANNONDALE	KP416/
C11250M	700 M S6 EVO HM Disc Ult Di2	DT SWISS	Contact Hub Manufacturer
C66250M	700 M S6 EVO Neo 2	E-Bike Motion	K81020
C66350M	700 M S6 EVO Neo 3	E-Bike Motion	K81020
C18100M	700 M SuperSlice DA Di2	FSA	Contact Hub Manufacturer
C18200M	700 M SuperSlice Ult	DT SWISS	Contact Hub Manufacturer
C17200M	700 M SuperX Force 1	CANNONDALE	KP464/
C17100M	700 M SuperX Force eTap	DT SWISS	Contact Hub Manufacturer
C17300M	700 M SuperX GRX	CANNONDALE	K81028
C12550M	700 M Synapse AI 105	CANNONDALE	K81079
C12560M	700 M Synapse AI 105 FB	FULCRUM	K81009
C12650M	700 M Synapse AI Sora	CANNONDALE	K81058
C12600M	700 M Synapse AI Tgra	CANNONDALE	K81069
C12350M	700 M Synapse Crb 105	CANNONDALE	K81028

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
C12200M	700 M Synapse Crb D/A	FULCRUM	K81019
C32850M	700 M Synapse Crb Disc Tgra FB	CANNONDALE	K81028
C32800M	700 M Synapse Crb Disc Ult FB	CANNONDALE	K81028
C12400M	700 M Synapse Crb Tgra	CANNONDALE	K81028
C12300M	700 M Synapse Crb Ult	FULCRUM	K81019
C12250M	700 M Synapse Crb Ult Di2	FULCRUM	K81019
C12120M	700 M Synapse HM Record	FULCRUM	Contact Hub Manufacturer
C12100M	700 M Synapse HM Red eTap	DT SWISS	Contact Hub Manufacturer
C12150M	700 M Synapse HM Ult Di2	DT SWISS	Contact Hub Manufacturer
C67100M	700 M Synapse Neo 1	CANNONDALE	KP464/
C67400M	700 M Synapse Neo 2	CANNONDALE	KP464/
C67200M	700 M Synapse Neo EQ	CANNONDALE	KP464/
C11400M	700 M SystemSix Crb Ult	FSA	Contact Hub Manufacturer
C11300M	700 M SystemSix Crb Ult Di2	DT SWISS	Contact Hub Manufacturer
C11100M	700 M SystemSix HM D/A Di2	DT SWISS	Contact Hub Manufacturer
C11200M	700 M SystemSix HM Red eTap	DT SWISS	Contact Hub Manufacturer
C15700M	700 M Topstone Al 105	CANNONDALE	K81028
C15800M	700 M Topstone Al Sora	CANNONDALE	K81028
C15860M	700 M Topstone Al Tgra	CANNONDALE	K81028
C15350M	700 M Topstone Al Ult	CANNONDALE	KP464/
C15600M	700 M Topstone Crb 105	CANNONDALE	K81028
C15200M	700 M Topstone Crb Force eTap	CANNONDALE	K81010
C15300M	700 M Topstone Crb Ult RX	CANNONDALE	KP416/
C15500M	700 M Topstone Crb Ult RX 2	CANNONDALE	K81028
C15509M	700 M Topstone Disc SE 105	CANNONDALE	KP464/

Kick Stand Compatibility

Category	Model Year	Bike Models	SI Kickstand IS Brake Mount Version	SI Kickstand Rim and Flat Mount Brake Compatibility	Part Number	Welded Chainstay Kickstand Plate	Chainstay Kickstand Compatibility	Rear Chainstay Pletscher (RCP) Compatibility	Complete Bike Kickstand Spec
Fitness	2017-20	Quick CX	No	Yes	CP1607U000OS	No	Yes	No	
	2017-20	Quick 1 - 4	No	Yes	CP1607U000OS	No	Yes	No	
	2017-20	Quick 5 - 8	No	Yes	CP1607U000OS	Yes	No	No	
	2017-20	Adventure	No	Yes	CP1607U000OS	Yes	No	No	
	2017-20	Tesoro	Yes	No	2KS00/BLK	No	No	No	Si V1
Urban	2017-20	Bad Boy 1	No	No		Bolt-on, included with small parts	NA	Yes	
	2017-18	Bad Boy 2	No	No		Bolt-on, included with small parts	NA	No	
	2020	Bad Boy 2 and 3	No	No		yes	NA	No	
Electric Bikes	2020	Trail NEO 1	No	No	CP1607U000OS	No		Yes	RCP
		Quick NEO	No	Yes	CP1607U000OS	No	No	Yes	RCP
		Quick NEO EQ	No	Yes	CP1607U000OS	No	No	Yes	RCP
		U Mavaro NEO City	No	No		No		Yes	RCP
		U Mavaro NEO City 1	No	No		No		Yes	RCP
		M Mavaro NEO City 1	No	No		No		Yes	RCP
		U Mavaro NEO City 2	No	No		No		Yes	RCP
	2017-20	U Mavaro NEO City Performance 4	No	No		No		Yes	Si V1
	2017-20	M Mavaro Performance 4	No	No		No		Yes	Si V1
	2020	M Mavaro Active Men	No	No		No		No	Si V1
	2020	U Mavaro Active City	No	No		No		No	Si V1
	2020	M Mavaro NEO 2	No	No		No		Yes	RCP
	2018-20	Tesoro NEO 1	No	No		No		Yes	RCP
	2018-20	Tesoro NEO 2	No	No		No		Yes	RCP
	2020	Synapse NEO 1	No	No		No		Yes	RCP
		Synapse NEO 2	No	No		No		Yes	RCP
		Synapse NEO 3	No	No		No		Yes	RCP
		Synapse NEO SE	No	No		No		Yes	RCP
		Tesoro NEO X 1	No	No		No		Yes	RCP
		Tesoro NEO X 2	No	No		No		Yes	RCP
	2020	Cujo NEO 1	No	No		No		Yes	RCP
	2020	Trail NEO Performance	No	No		No		Yes	RCP
	2020	Trail NEO 2	No	No		No		Yes	RCP

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

Thru Axle Table

2020

Thru Axles Model Year	Platform	Front Axle				Rear Axle			
		Spacing	Thread Pitch	Overall Length	Part Number	Spacing	Thread Pitch	Overall Length	Part Number
2019-2020	Jekyll 29	Contact Fork Manufacturer				148×12mm	Maxle M12×1.75	180mm	N/A
2019-2020	Habit	Contact Fork Manufacturer				148×12mm	Maxle M12×1.75	180mm	N/A
2017-2020	Scalpel Si	Contact Fork Manufacturer				142×12mm	Syntace M12×1.0	177mm	KP190/
2019-2020	F-Si	Contact Fork Manufacturer				148×12mm	Speed Release, Single Lead M12×1.0	165mm	K83028
2016-2020	Fat CAAD	150×15mm	Maxle M15×1.5	190mm	N/A	197×12mm	Syntace M12×1.0	214mm	KP400/
2020	Supersix Evo Disc	100×12mm	Speed Release, Double Lead M12×1.0	119mm	K83019	142×12mm	Speed Release, Double Lead M12×1.0	165mm	K83029
2019-2020	SystemSix	100×12mm	Speed Release, Double Lead M12×1.0	119mm	K83019	142×12mm	Speed Release, Double Lead M12×1.0	165mm	K83029
2019-2020	SuperSlice	100×12mm	Syntace M12×1.0	122mm	CK-8067U000S	142×12mm	Syntace M12×1.0	167mm	CK-8027U000S
2020	CAAD13 Disc	100×12mm	Speed Release, Double Lead M12×1.0	119mm	K83019	142×12mm	Speed Release, Double Lead M12×1.0	165mm	K83029
2018-2020	Synapse Carbon	100×12mm	Maxle M12×1.5	125mm	K83038	142×12mm	Syntace M12×1.0	165mm	K83058
2019-2020	Synapse Alloy	100×12mm	Maxle M12×1.5	125mm	K83038	QR 135×9			N/A
2017-2019	SuperX	100×12mm	Maxle M12×1.5	125mm	KP457/	142×12mm	Syntace M12×1.0	177mm	KP190/
2019-2020	CAADX	100×12mm	Maxle M12×1.5	125mm	K83038	QR 135×9			N/A
2019-2020	Topstone Alloy	100×12mm	Maxle M12×1.5	125mm	K83038	142×12mm	Syntace M12×1.0	165mm	K83058
2020	Topstone Carbon	100×12mm	Speed Release, Double Lead M12×1.0	119mm	K83000	142×12mm	Speed Release, Double Lead M12×1.0	165mm	K83010
2020	Quick	100×12mm	Maxle M12×1.5	125mm	K83038	QR 135×9			N/A
2020	Habit Neo	Contact Fork Manufacturer				148×12mm	Maxle M12×1.75	180mm	N/A
2020	Moterra	Contact Fork Manufacturer				148×12mm	Maxle M12×1.75	180mm	N/A
2019-2020	Cujo Neo 130	Contact Fork Manufacturer				148×12mm	Maxle M12×1.75	180mm	N/A
2020	Trail Neo Performance Gen4	Contact Fork Manufacturer				148×12mm	Maxle M12×1.75	188mm	N/A
2020	Tesoro Neo X Gen4	Contact Fork Manufacturer				148×12mm	Maxle M12×1.75	188mm	N/A
2020	Canvas Neo Gen4	110×15mm	Maxle M15×1.5	148mm	N/A	148×12mm	Maxle M12×1.75	188mm	N/A
2020	Trail Neo Performance Gen2/3	Contact Fork Manufacturer				148×12mm	Syntace M12×1.0	168mm	K83078
2020	Tesoro Neo X Gen2/3	Contact Fork Manufacturer				148×12mm	Syntace M12×1.0	168mm	K83078
2020	Canvas Neo Gen2/3	110×15mm	Maxle M15×1.5	148mm	N/A	148×12mm	Syntace M12×1.0	168mm	K83078
2019-2020	Synapse Neo	100×12mm	Maxle M12×1.5	125mm	K83038	142×12mm	Syntace M12×1.0	160mm	N/A
2020	SuperSix Evo Neo	100×12mm	Speed Release, Double Lead M12×1.0	119mm	K83019	EBM X35			N/A
2020	Quick Neo SL	100×12mm	Maxle M12×1.5	125mm	K83038	EBM X35			N/A

Notes

Notes



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