

2019

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

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.
	Carbon Gel	Apply carbon gel (friction paste) KF115/
	Suspension grease	Buzzy's Slick Honey™ or R.S.P. Slick Kick
	Medium-strength removable thread lock	Apply Loctite® 242 (blue) or equivalent.
	High-strength removable thread lock	Apply Loctite® 262 (red) or equivalent.
	Medium-strength plastic fastener thread lock	Apply Loctite 425 Instant Adhesive or equivalent.
	Low strength removable thread lock	Loctite® 222
N·m	Newton meter	Indicates the specified tightening torque for the fastener. Use a correctly sized and calibrated torque wrench.

Abbreviation

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

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

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

QTY - Quantity
 RD - Rear Derailleur
 RGT - Right
 RR - Rear
 Si - System Integration
 SST - Seat Stay
 ST- Seat Tube
 TA - Thru-Axle
 TC - Top Cap
 w/ - With
 WHT - White
 Wmn - Womens'
 UPR - Upper

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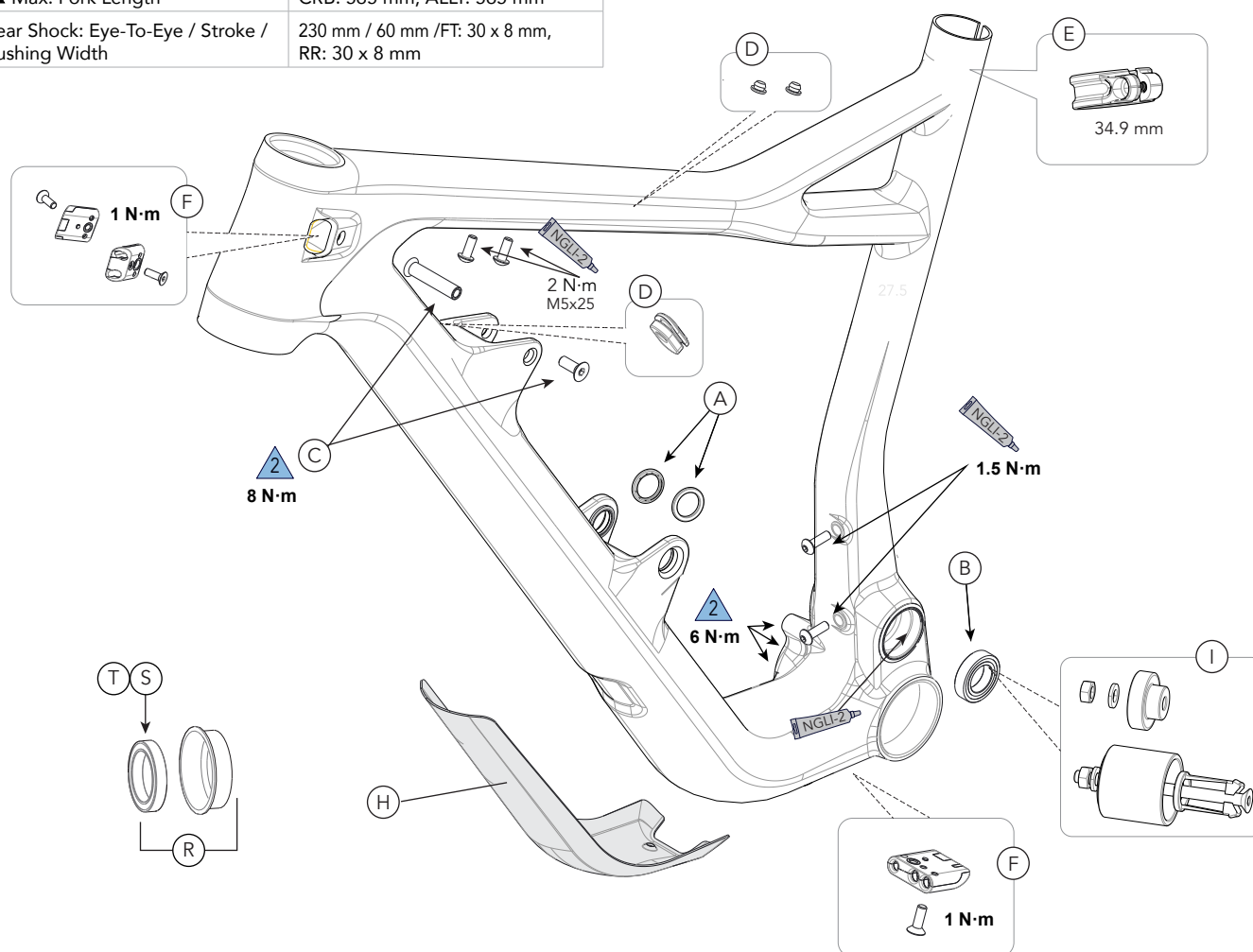
Mountain Bikes

Jekyll 27.5 (2018-2019)

CARBON / ALLOY

Item	Specification
Rear Travel	Flow Mode: 165 mm, Hustle Mode: 130 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	CRB: PF30 / 83 mm, ALLY: BB30 / 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	27.5 in x 2.5 in (measured)
▲ Max. Fork Length	CRB: 565 mm, ALLY: 565 mm
Rear Shock: Eye-To-Eye / Stroke / Bushing Width	230 mm / 60 mm / FT: 30 x 8 mm, RR: 30 x 8 mm

Sag	30%, 18 mm
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 x 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

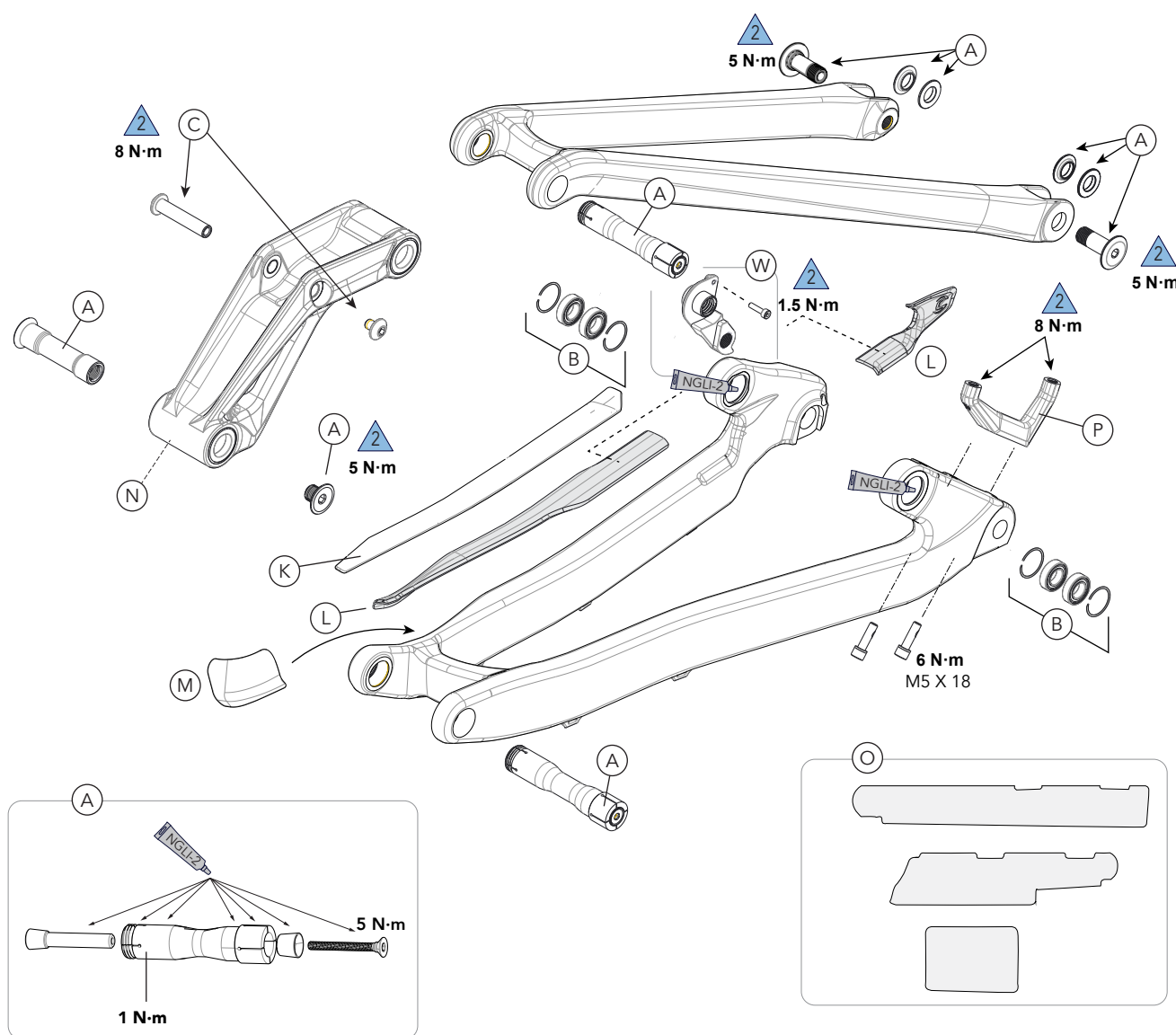


ID	Part Number	Description	CRB	ALLY
A	CK3157U00OS	Jekyll Pivot HDWE	✓	✓
B	CK3167U00OS	Jekyll Pivot BRGS	✓	✓
C	CK3207U00OS	Jekyll CRB Shock MNT HDWE	✓	
	K36018	AL Frame Shock MNT HDWE		✓
D	CK3187U00OS	Jekyll/Trigger Grommets	✓	✓
E	KP388/	Seatbinder MTN 34.9	✓	✓
F	KP436/	Modular CBL Guides HT DT BB	✓	

ID	Part Number	Description	CRB	ALLY
	K34088SM	Jekyll CRB DT Protector, SM	✓	
	K34088MD	Jekyll CRB DT Protector, MD	✓	
H	K34088LG	Jekyll CRB DT Protector, LG	✓	
	K34088XL	Jekyll CRB DT Protector, XL	✓	
	K34008	Jekyll ALLY DT Protector, All sizes		✓
I	CK9017U00OS	17x30 Bearing Tool	✓	✓
K	CK3217U00OS	Jekyll ALLY CSTAY Protector		✓
L	CK3197U00OS	Jekyll CRB CSTAY Protector	✓	

Jekyll 27.5 (2018-2019)

CARBON / ALLOY

See **LOCKR** for instructions.

ID	Part Number	Description	CRB	ALLY
M	K34078	Jekyll CRB Chainsuck Protector	✓	
N	K36129	Jekyll Suspension Link 27.5 BLK	✓	✓
O	K34068	Jekyll CRB CS Heel Rub GRDS	✓	
	K34058	Jekyll ALLY CS Heel Rub GRDS		✓

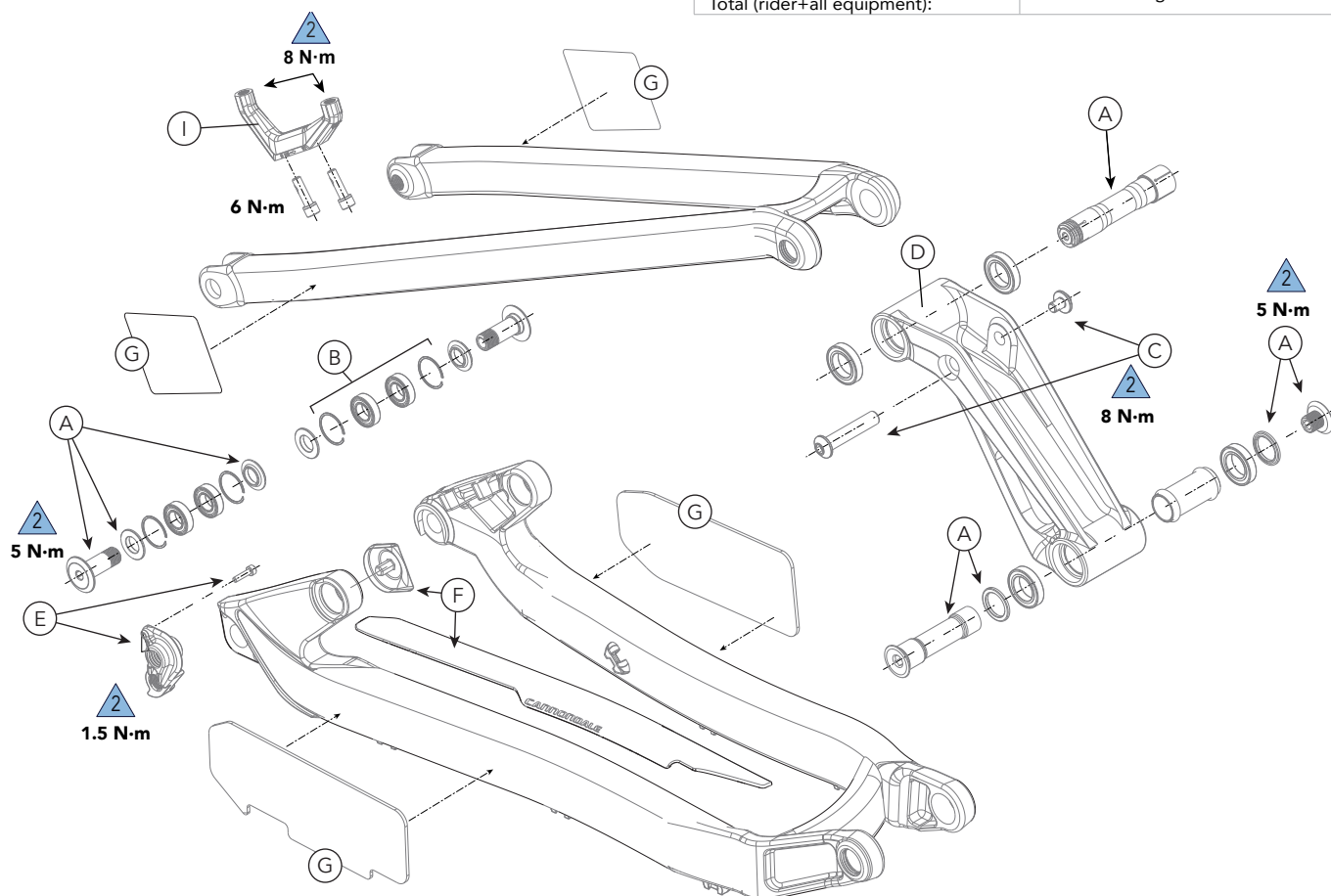
ID	Part Number	Description	CRB	ALLY
P	KP421/160	Brake MNT Flat 160 mm	✓	✓
	KP421/180	Brake MNT Flat 180 mm	✓	✓
W	CK3257U00OS	RD HGR TA ST SS 015	✓	✓
R	KP197/SRM	PF30 BB Cups And Bearings	✓	
S	KB6180/	BB30 Bearing Blue (QTY 2)	✓	✓
T	K22037	BB30 Bearing Blue (QTY 24)	✓	✓
--	QC616/	Circlips BB Si (QTY 2)		✓

Jekyll 29 (2019)

CARBON

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 x 8 mm, RR: 30 x 8 mm
Sag	30%, 18 mm
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 x 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

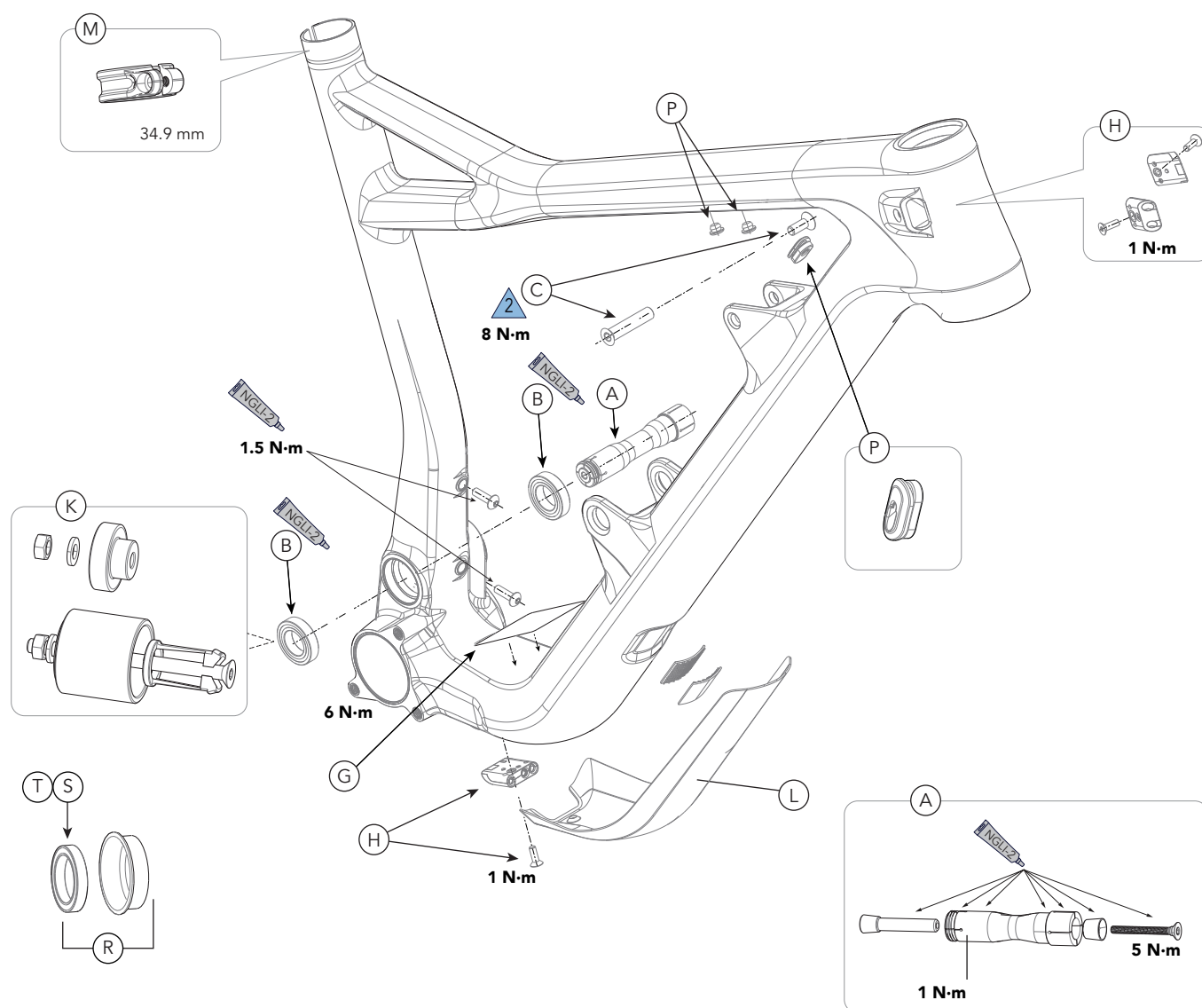


ID	Part Number	Description
A	CK3157U00OS	Jekyll Pivot HDWE
B	CK3167U00OS	Jekyll Pivot BRGS
C	CK3207U00OS	Jekyll CRB Shock Mount HDWE
D	K36119	Jekyll Suspension Link 29 BLK
E	CK3257U00OS	Derailleur Hanger TA ST SS 015
F	CK3217U00OS	Jekyll AI Chain Stay Protector

ID	Part Number	Description
G	K34058	Jekyll/Trigger Alloy CS Heel Rub Guard
I	KP421/160	Brake MNT Flat 160 mm
	KP421/180	Brake MNT Flat 180 mm

Jekyll 29 (2019)

CARBON

See **LOCKR** for instructions.

ID	Part Number	Description
P	CK3187U00OS	Jekyll/Trigger Grommets
M	KP388/	Seatbinder MTN 34.9
H	KP436/	Modular CBL Guides HT DT BB
K	CK9017U00OS	17x30 Bearing Tool

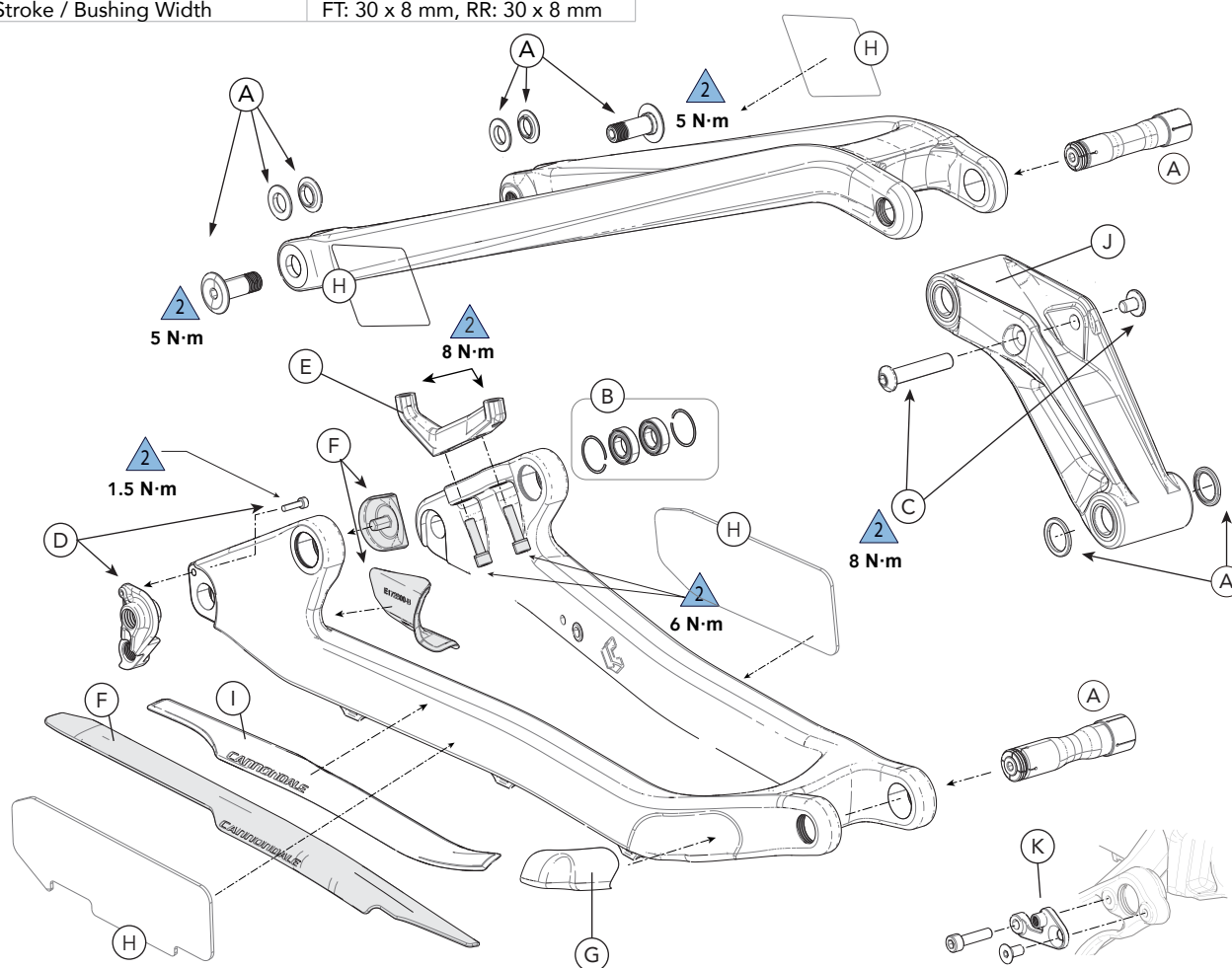
ID	Part Number	Description
L	K34088SM	Jekyll CRB DT Protector, SM
	K34088MD	Jekyll CRB DT Protector, MD
	K34088LG	Jekyll CRB DT Protector, LG
	K34088XL	Jekyll CRB DT Protector, XL
R	KP197/SRM	PF30 BB Cups And Bearings
S	KB6180/	BB30 Bearing Blue (QTY 2)
T	K22037	BB30 Bearing Blue (QTY 24)

Trigger 27.5 (2018-2019)

CARBON / ALLOY

Item	Specification
Rear Travel	Hustle Mode: 115 mm Flow Mode: 145 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	Low Direct Mount, Side Swing (alloy CS only)
Seat Post Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	100 mm
▲ Tire Size/ Max Tire Width	27.5 in x 2.5 in (measured)
▲ Max. Fork Length	545 mm
Rear Shock: Eye-To-Eye / Stroke / Bushing Width	210 mm / 55 mm / FT: 30 x 8 mm, RR: 30 x 8 mm

Sag	30%, 17 mm
Chain Guide	ISCG 05
Rear Brake: Mount Type / Min/Max Rotor Dia.	Flat Mount / 160 mm / 180 mm
Rear Axle	Maxle TA / 148 x 12 mm, 180 mm length
Ai Offset	Rear Wheel: 3 mm 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

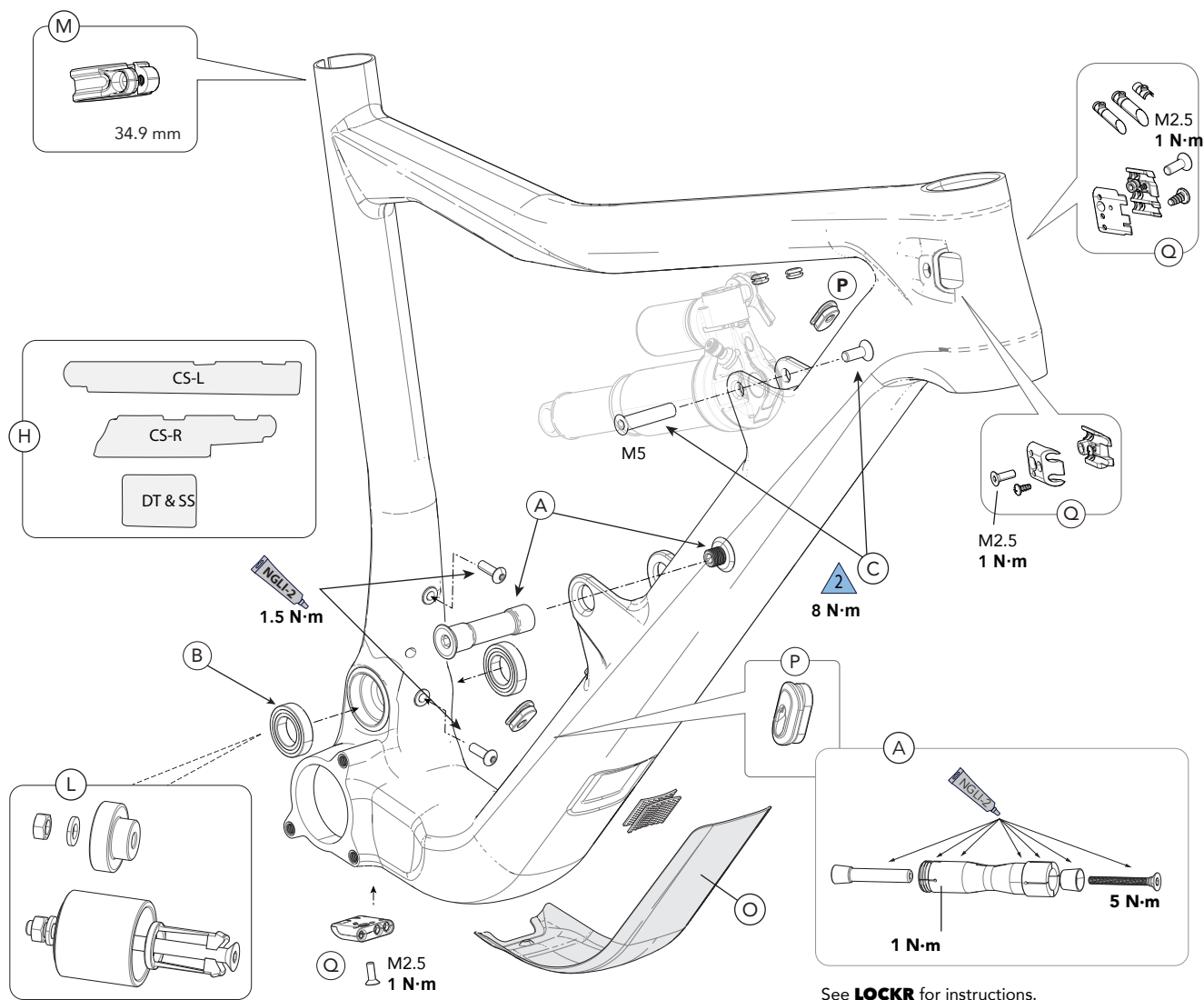


ID	Part Number	Description	CRB	ALLY
A	CK3147U00OS	Trigger Pivot HDWE	✓	✓
B	CK3177U00OS	Trigger Pivot BRGS	✓	✓
C	CK3227U00OS	Trigger Shock MNT HDWE	✓	✓
D	CK3257U00OS	RD HGR TA ST SS 015	✓	✓
E	KP421/160	Brake MNT Flat 160 mm	✓	✓
	KP421/180	Brake MNT Flat 180 mm	✓	✓
F	CK3237U00OS	Trigger CRB CS Protector	✓	
G	CK3287U00OS	Trigger CRB CS Guard	✓	

ID	Part Number	Description	CRB	ALLY
H	K34068	Trigger CRB CS Heel Rub GRDS	✓	
	K34058	Trigger ALLY CS Heel Rub GRDS		✓
I	CK3247U00OS	Trigger ALLY CS Protector	✓	✓
J	K36139	Trigger Suspension Link 27.5 BLK	✓	✓
K	KP390/	FT Derailleur Spacer MNT	✓	✓
L	CK9017U00OS	17x30 Bearing Tool	✓	✓

Trigger 27.5 (2018-2019)

CARBON / ALLOY



ID	Part Number	Description	CRB	ALLY
M	KP388/	Seatbinder MTN 34.9	✓	✓
O	CK3117U00SM	Trigger CRB DT Protector SM	✓	
	CK3117U00MD	Trigger CRB DT Protector MD	✓	
	CK3117U00LG	Trigger CRB DT Protector LG	✓	
	CK3117U00XL	Trigger CRB DT Protector XL	✓	
P	CK3187U00OS	Jekyll/Trigger Grommets	✓	✓

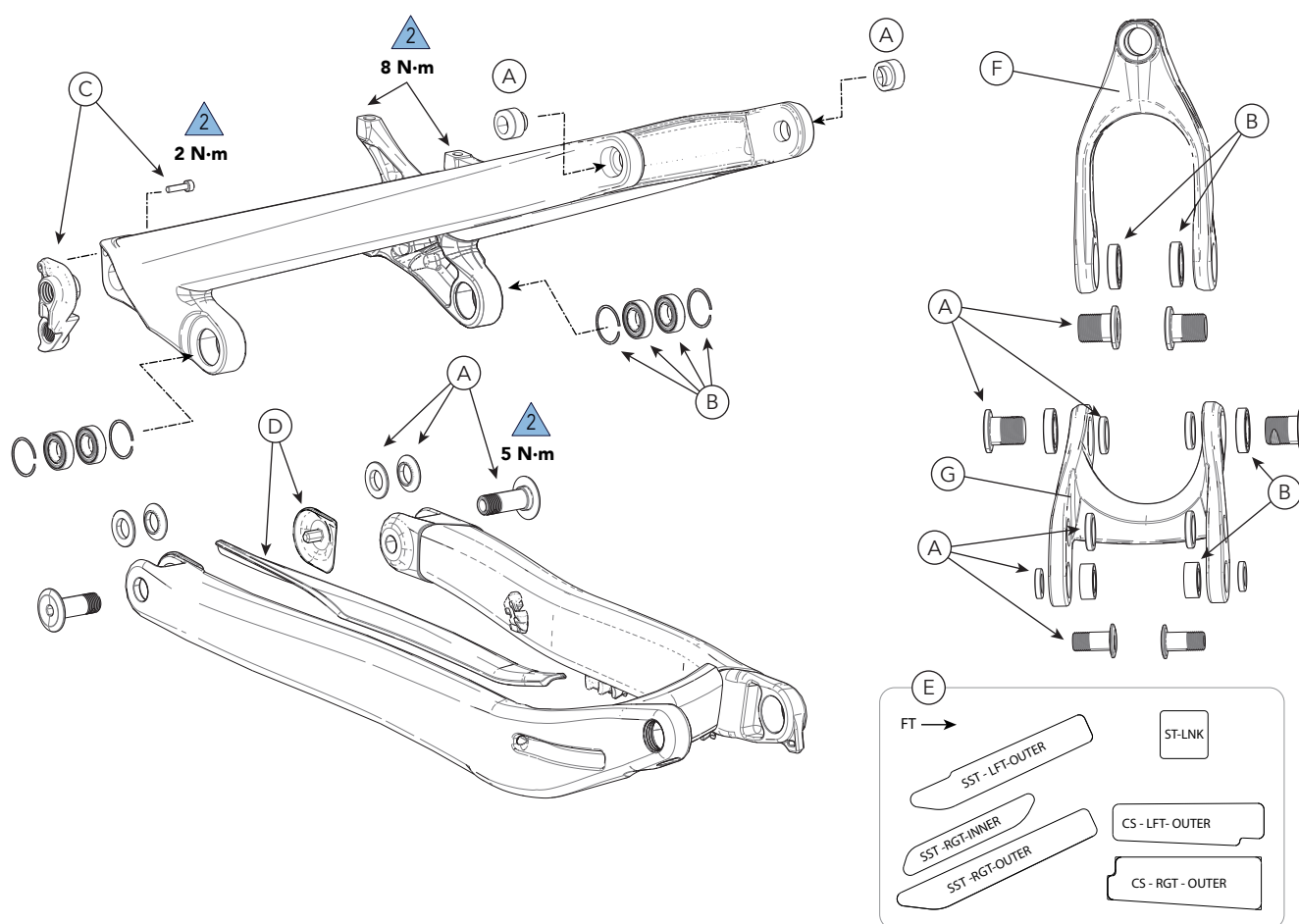
ID	Part Number	Description	CRB	ALLY
Q	KP436/	Modular CBL Guides HT DT BB	✓	
R	KP197/SRM	PF30 BB Cups And Bearings	✓	✓
S	KB6180/	BB30 Bearing Blue (QTY 2)	✓	✓
T	K22037	BB30 Bearing Blue (QTY 24)	✓	✓

Habit (2019)

CARBON / ALLOY

Item	Specification	
Model	Habit	Bad Habit
Wheel Size	XS: 27.5 in S-XL: 29 in	27.5 in
Rear Travel	XS: 116 mm, S-XL: 130 mm	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	27.5 in x 2.8 in
▲ Max. Fork Length:	551 mm	

Rear Shock: Eye-To-Eye / Stroke	XS: 190 mm / 45 mm S-XL: 210 mm / 50 mm
Bushing Width	FT: 20 x 8 mm, RR: Bare
Recommended Sag:	25%, 11 mm
Chain Guide	ISCG 05
Rear Brake: Mount Type / Min/Max Rotor Dia.	Post Mount / 180 mm
Rear Axle: Type/Length	Maxle TA / 148 x 12 mm, 180 mm Length
Ai Offset:	Rear Wheel: 3mm Offset to NDS SRAM Chainring: +6 mm Offset Hollowgram SpideRing: Ai Offset
▲ Intended Use:	ASTM CONDITION 4, All-Mountain
▲ Max. Weight Limit: Total (Rider+all equipment):	305 lbs / 138 kg



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

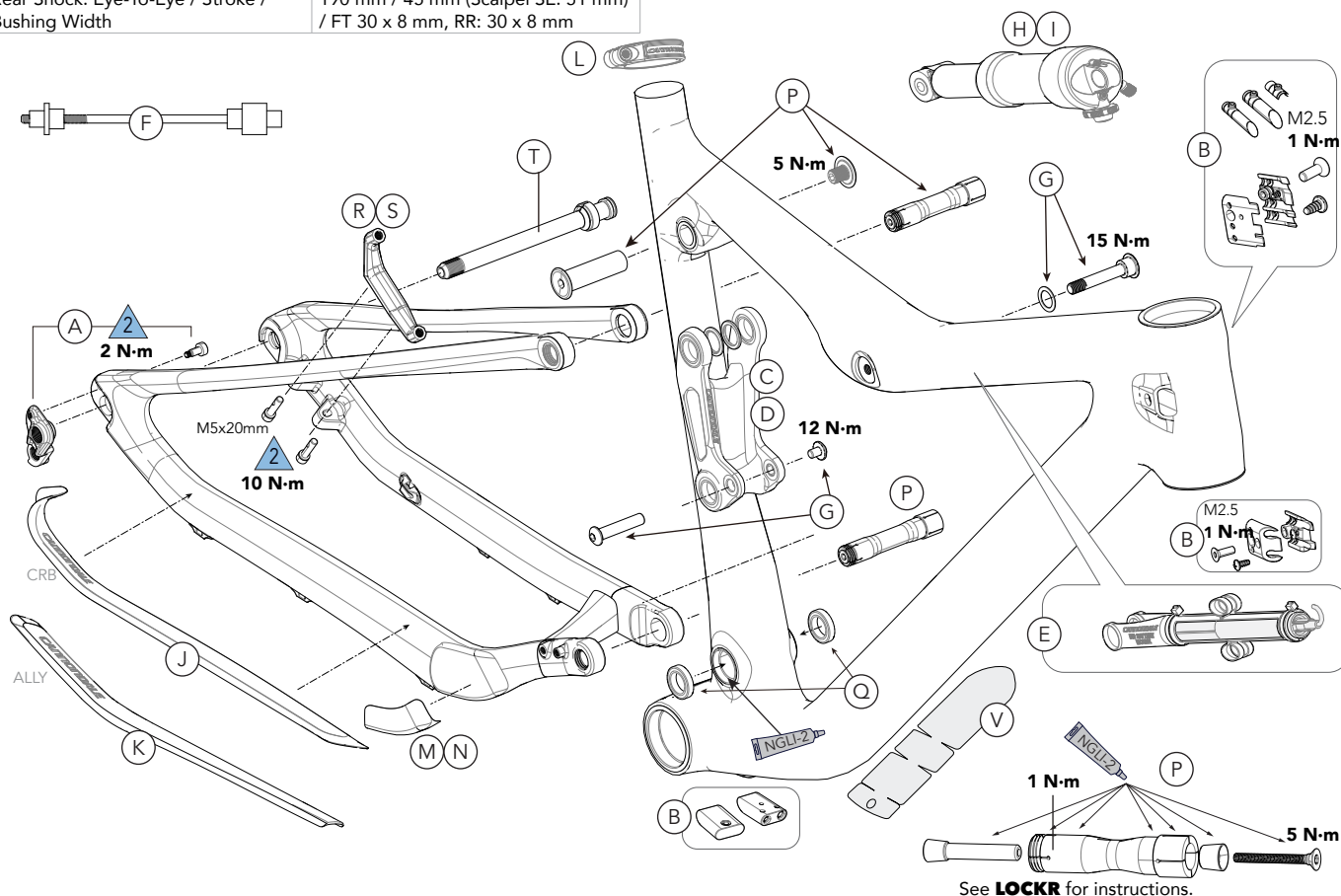
ID	Part Number	Description	CRB	ALLY
	K36109	Habit Yoke XS-M BLK	✓	✓
F	K36099	Habit Yoke L BLK	✓	✓
	K36089	Habit Yoke XL BLK	✓	✓
G	K91069	Habit Suspension Link BLK	✓	✓

Scalpel Si (2017-2019)

CARBON / ALLOY

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: 487 mm, Scalpel Si 29: 500 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

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

See **LOCKR** for instructions.

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)	✓	✓

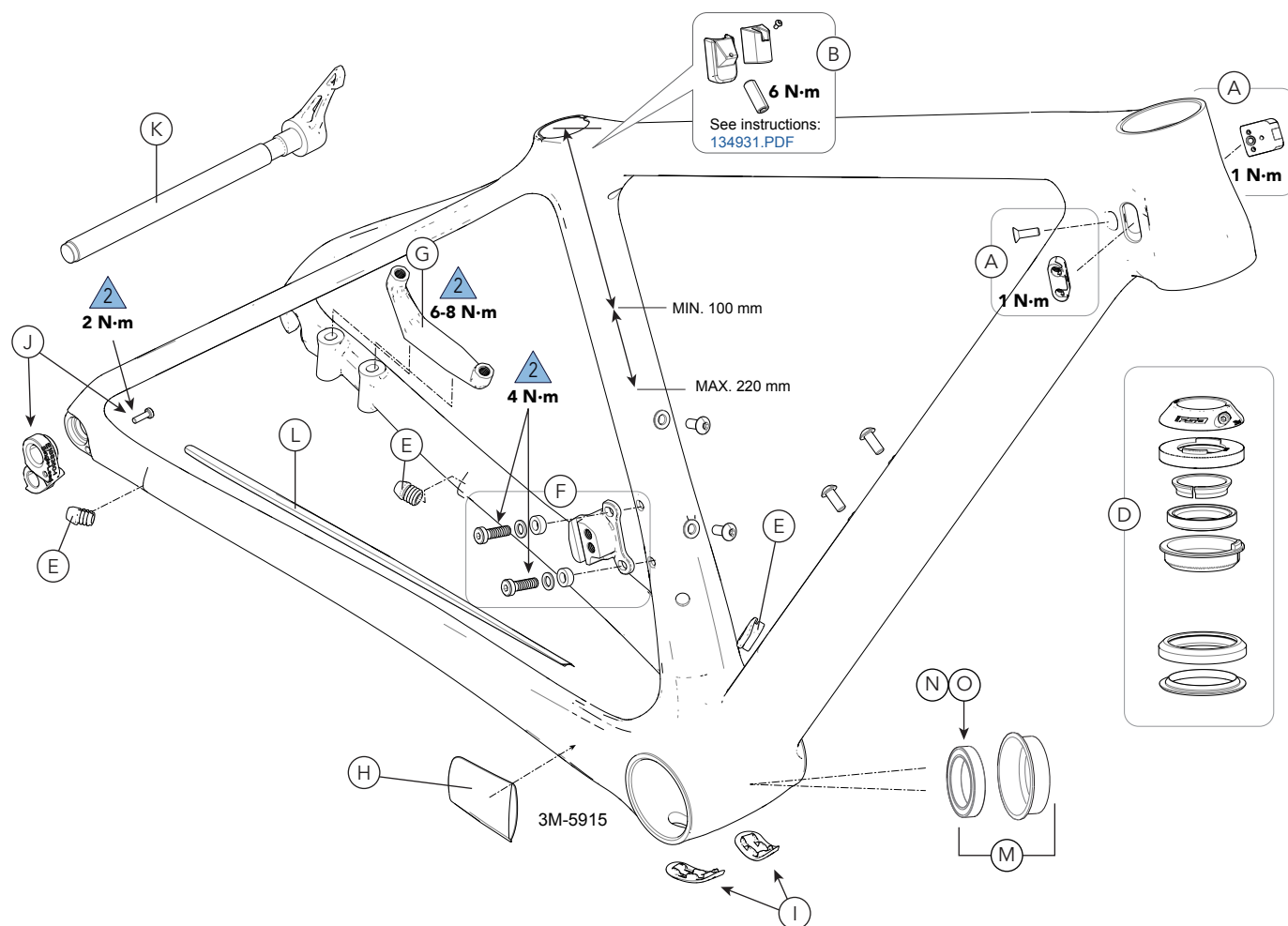
ID	Part Number	Description	CRB	ALLY
--	HD169/	Bearings 1.56 Headset (QTY 2)	✓	✓
--	QSISEAL/	Seal Upper Bearing 58 mm OD	✓	✓
--	K35059	Headset Si to Tapered Steer Stop (XS-S)	✓	✓
--	K35019	Headset Si to Tapered with Drop-in Cup (M-XL)	✓	✓
--	KP205/	Headset Integrated Headshok To Taper	✓	✓
--	KP197/SRM	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	✓	✓

F-Si (2019)

CARBON

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

Rear Brake: Mount Type / Min/Max Rotor Dia.	Flat Mount / 140 mm / 160 mm
Rear Axle: Type/Length	Speed Release, Single Lead 148 x 12 mm, 165 mm Length
Ai Offset:	Rear Wheel: 3 mm Offset to NDS SRAM Chaining: +6 mm Offset Hollowgram SpideRing: Ai Offset
▲ Intended Use:	ASTM CONDITION 3, Cross- Country, Marathon, Hardtails
▲ Max. Weight Limit: Total (rider+all equipment):	305 lbs / 138 kg



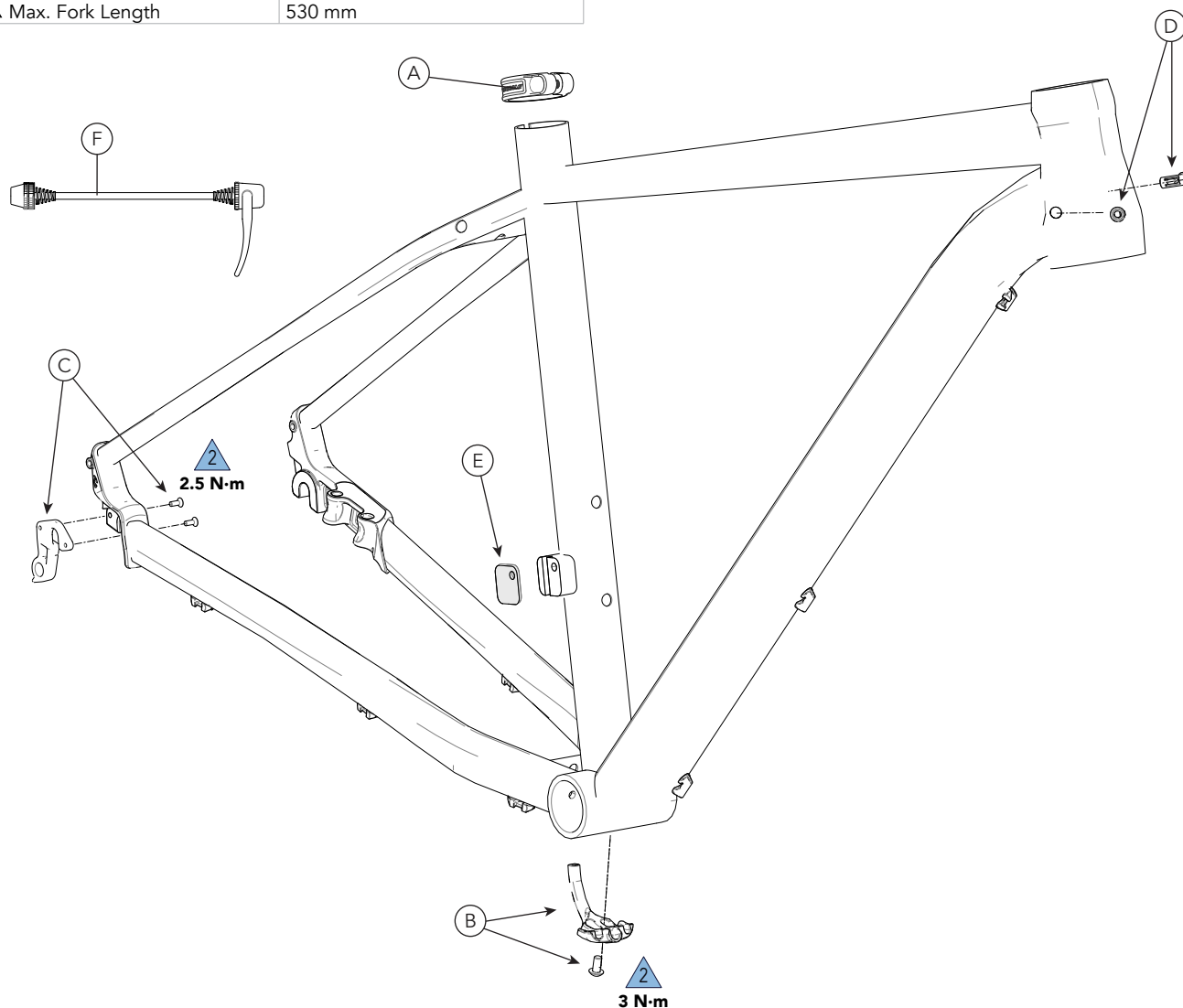
ID	Part Number	Description
A	KP456/	Modular Cable Guides Headtube
B	K26058	27.2 Internal Seat Binder
-	K35029	Headset 1-1/8 to 1.5 with 36 Deg CR (M-XL Frames)
D	K35048	Headset 1-1/8 To 1.5 Steer Stop (XS-S Frames)
E	K32048	Shift and Cable Grommets
F	K33048	F-Si Front Derailleur Hanger
G	KP421/160	Brake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

ID	Part Number	Description
I	K32038	F-Si Bottom Bracket Cable Guide
J	K33049	Derailleur Hanger TA ST SS 073
K	K83028	Speed Release Thru Axle 148x12
L	K34299	F-Si Chainstay Protector
M	KP197/SRM	PF30 Bottom Bracket Cups And Bearings
N	KB6180/	BB30 Bearing Blue (QTY 2)
O	K22037	BB30 Bearing Blue (QTY 24)
-	K35009	SL Compression Plug With Top Cap

Trail (2018-2019)

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

Item	Specification
Rear Brake: Mount Type / Min/ Max Rotor Dia.	Flat Mount / 160 mm
Rear Axle: Type/Length	QR / 141 x 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



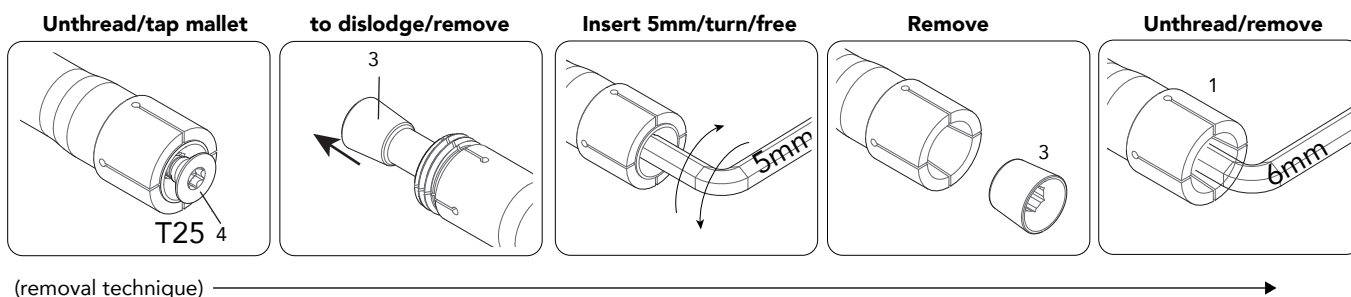
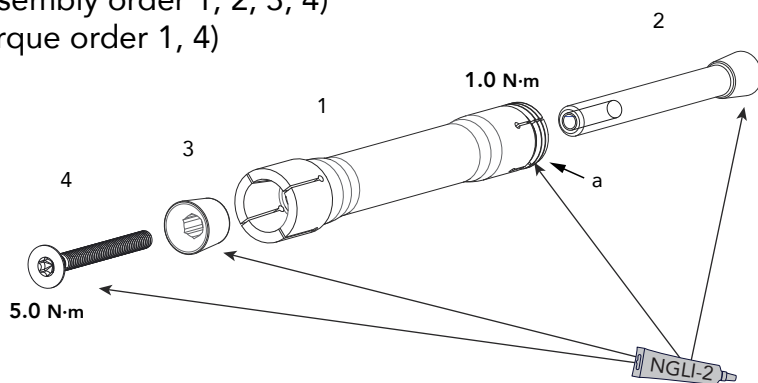
ID	Part Number	Description
A	KP170/BLK	Seatbinder MTN QR 34.9 BLK
B	K32058	Trail Bottom Bracket Cable Guide
C	KP284/	Derailleur Hanger QR ST SS 028
D	K32068	Trail Head Tube Cable Guides

ID	Part Number	Description
E	KP424/	Front Derailleur Mount Cover
F	K83039	QR Skewer 141x9 158 mm

LockR

ASSEMBLY

(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 Nm using a 6 mm hex key fitted torque wrench from the non-drive side.

NOTICE

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

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

Removal

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

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

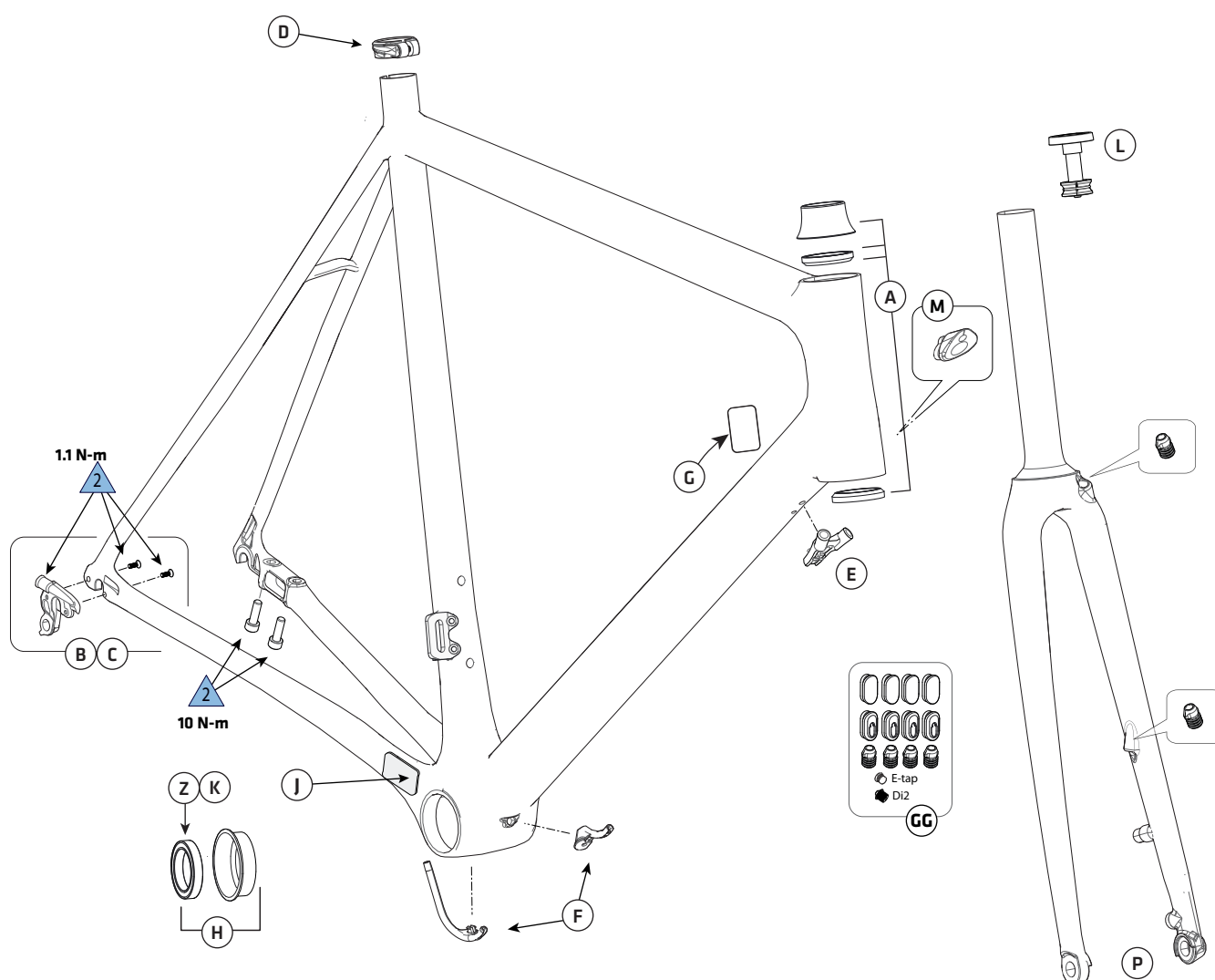
Road Bikes

SuperSix EVO (2017-2019)

DISC

Item	Specification
Head Tube	UPR: 1 -1/8 in, LWR: 1-1/4 in
Bottom Bracket: Type/ Width	PF30A / 73 mm
Front Derailleur	Brazed-on, Down-Swing
Seat Post: Dia./Binder	25.4 mm / 28.0 mm
▲ Min. Seat Post Insert	90 mm
▲ Tire Size x Max. Width	700c x 28 mm (measured)

Brakes: Mount Type / Min/Max Rotor Dia.	RR: Flat Mount / 140 mm only FT: Flat Mount / 140 mm / 160 mm
Axles: Type/Length	RR: QR / 135 x 9 mm, FT: MAXLE TA / 100 x 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
--	KF115/	Carbon Seatpost Gel
A	K35098	Headset 1-1/8 to 1 1/4 33 mm O.D.TC
B	KP395/	Derailleur Hanger QR ST SS 031
C	KP396/	Derailleur Hanger QR D2 SS 032
D	KP397/	Seat Binder Road 28 0 BLK
E	KP398/	Supersix EVO2 Down Tube Cable Stop
F	KP409/	Supersix EVO2 Cable Guides
G	KF103/	Scuffguard (QTY 8)

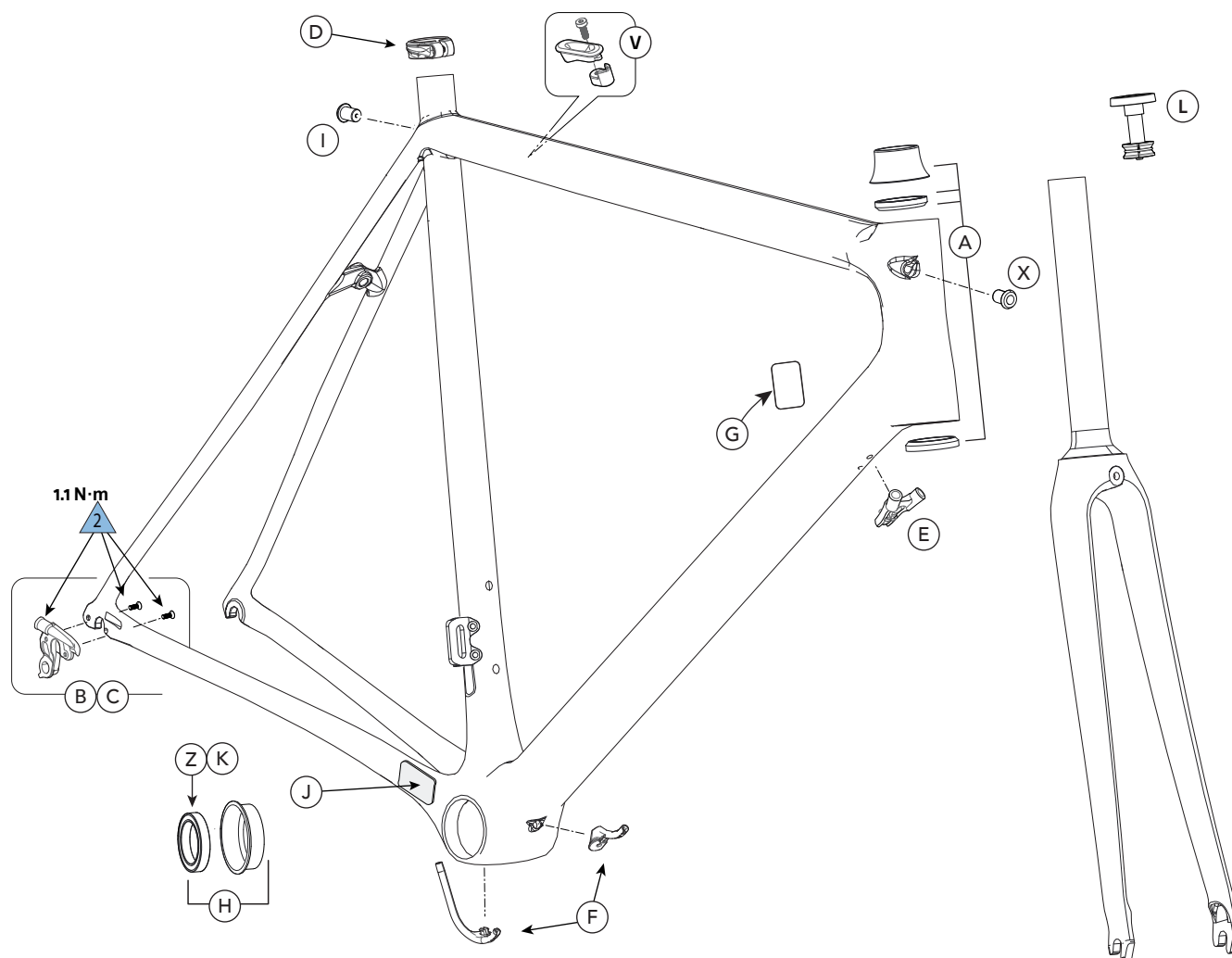
ID	Part Number	Description
H	KP197/SRM	PF30 Bottom Bracket Cups And Bearings
J	KP194/	Chain Suck Protector Supersix EVO
K	KB6180/	BB30 Bearing Blue (QTY 2)
Z	K22037	BB30 Bearing Blue (QTY 24)
L	K35058	SL Compression Plug With 5 mm Cap
M	CK3367U00OS	EVO Grommets
--	K83038	Ratchet Lever Maxle 100 x 12 125 mm
GG	K32048	Shift And Brake Grommets

SuperSix EVO (2017-2019)

RIM

Item	Specification
Head Tube	UPR: 1 -1/8 in, LWR: 1-1/4 in
Bottom Bracket: Type/ Width	PF30A / 73 mm
Front Derailleur	Brazed-on, Down-Swing
Seat Post: Dia./Binder	25.4 mm / 28.0 mm
▲ Min. Seat Post Insert	90 mm
▲ Tire Size x Max. Width	700c x 28 mm (measured)

Brakes: Mount Type / Min/Max Rotor Dia.	RR: Rim Brake FT: Rim Brake
Axles: Type/Length	RR: QR / 130 x 9 mm FT: QR / 100 x 9 mm
▲ Intended Use:	ASTM CONDITION 1, High-Performance Road
▲ Max. Weight Limit: Total (rider+all equipment):	285 lbs / 129 kg



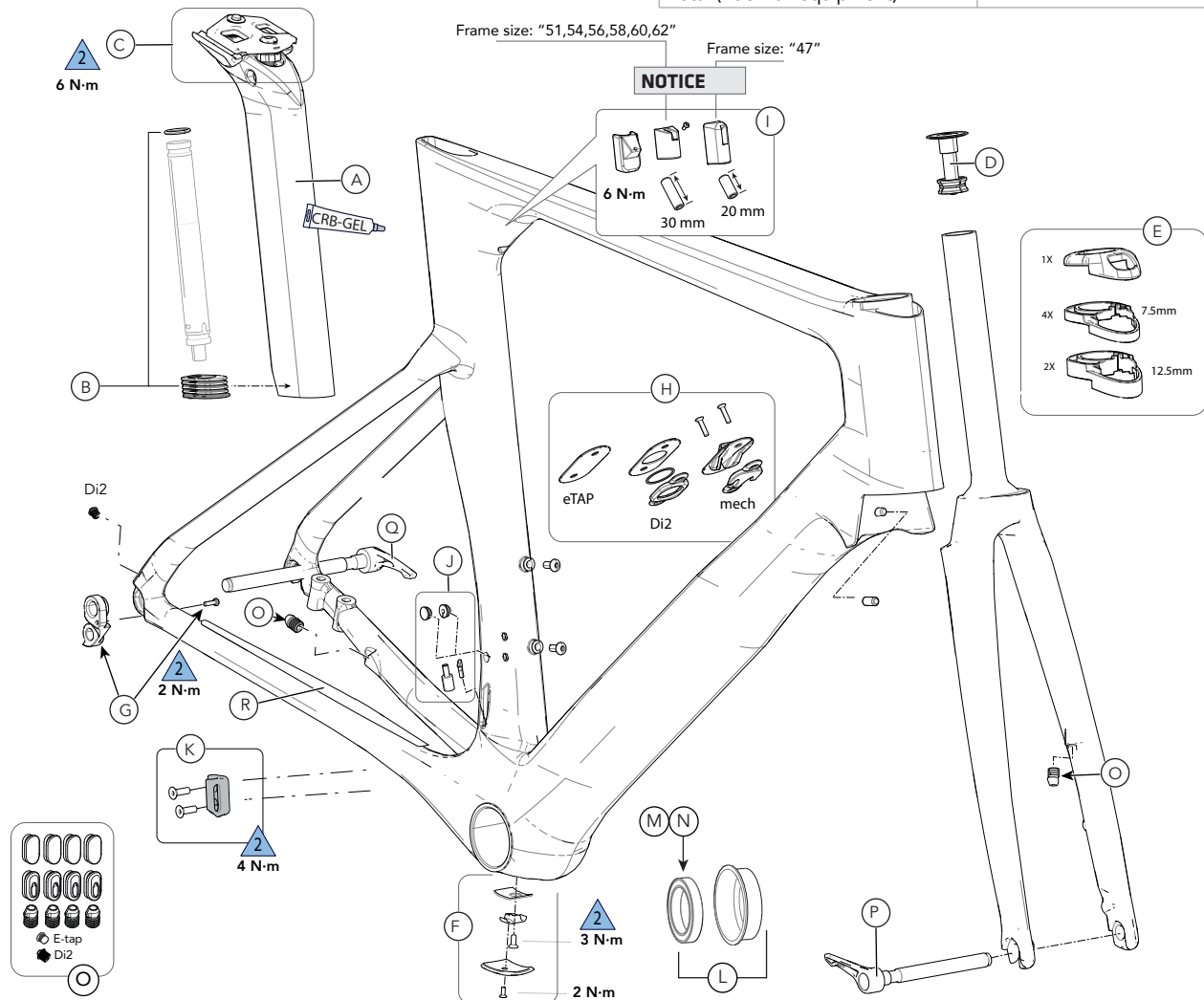
ID	Part Number	Description
A	K35098	Headset 1-1/8 to 1 1/4 33 mm O.D.TC
B	KP395/	Derailleur Hanger QR ST SS 031
C	KP396/	Derailleur Hanger QR D2 SS 032
D	KP397/	Seat Binder Road 28 0 BLK
E	KP398/	SuperSix EVO2 Down Tube Cable Stop
F	KP409/	SuperSix EVO2 Cable Guides
G	KF103/	Scuffguard (QTY 8)
H	KP197/SRM	PF30 Bottom Bracket Cups And Bearings

ID	Part Number	Description
I	KP193/	Brake Cable Guide SuperSix EVO
J	KP194/	Chain Suck Protector Supersix EVO
K	KB6180/	BB30 Bearing Blue (QTY 2)
Z	K22037	BB30 Bearing Blue (QTY 24)
L	K35058	SL Compression Plug With 5 mm Cap
V	KP269/	Brake Cable Guide SuperSix EVO Wmn 44-48
X	KP224/	Head Tube Brake Cable Guide
--	KF115/	Carbon Seatpost Gel

SystemSix (2019)

Item	Specification
Head Tube	UPR: 1 -1/8 in, LWR: 1-1/4 in
Headset	Integrated, 1-1/8 in - 1-1/4 in
Bottom Bracket: Type/ Width	PF30 / 73 mm
Front Derailleur	Brazed-on, Down-Pull
Seat Post: Dia./Binder	KNØT Seatpost, Internal Wedge
▲ Tire Size x Max. Width	700c x 30 mm (measured)
Front Tire Min. Clearance	6 mm (See Owners supplement)
▲ Min. Seat Post Insert	65 mm

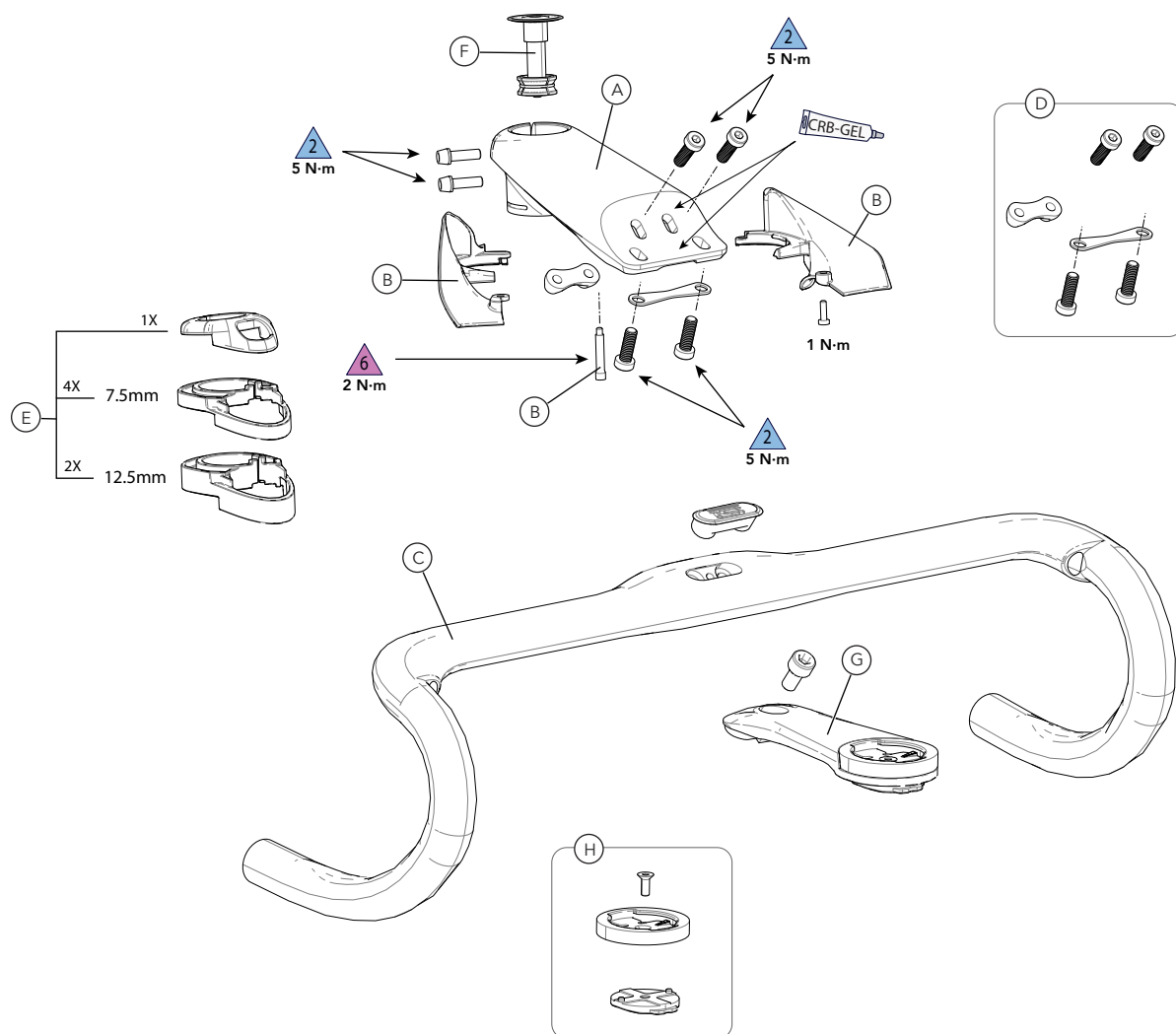
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Flat Mount / 140 mm / 160 mm FR: Flat Mount / 140 mm / 160 mm
Rear Brake: Fixing Bolt Length	Shimano 38.0 mm / Converter 38.1 mm
Axles: Type/Length	Speed Release, Double Lead, M12x1.0 , FR: 100 x12 mm, 119 mm Length, RR: 142 x12 mm, 165 mm Length,
▲ Intended Use:	ASTM CONDITION 1, High-Performance Road
▲ Max. Weight Limit: Total (rider+all equipment):	285 lbs / 129 kg



ID	Part Number	Description
A	K26129	KNØT System Seatpost 330 mm
B	K26149	SystemSix Di2 Battery Mount
C	K34289	KNØT SystemSix Seatpost Clamp HDWE
-	K35039	Headset 1-1/8 to 1 1/4 with Split Ring
D	K35009	SL Compression Plug With Top Cap
E	K28009	SystemSix Stem Spacer Kit
F	K32019	SystemSix Bottom Bracket CBL Guide
G	K33009	Derailleur Hanger TA ST SS 070
H	K32009	SystemSix Downtube CBL Guide
I	K26139	KNØT System Aero Seat Binder

ID	Part Number	Description
J	K34069	SystemSix Front Derailleur Plugs
K	K33019	SystemSix Front Derailleur Mount
L	KP197/SRM	PF30 Bottom Bracket Cups And Bearings
M	KB6180/	BB30 Bearing Blue (QTY 2)
N	K22037	BB30 Bearing Blue (QTY 24)
O	K32048	Shift And Brake Grommets
P	K83019	Speed Release TA 100x12
Q	K83029	Speed Release TA 142x12 165 mm
R	K34079	SystemSix Chainstay Protector

KNØT System



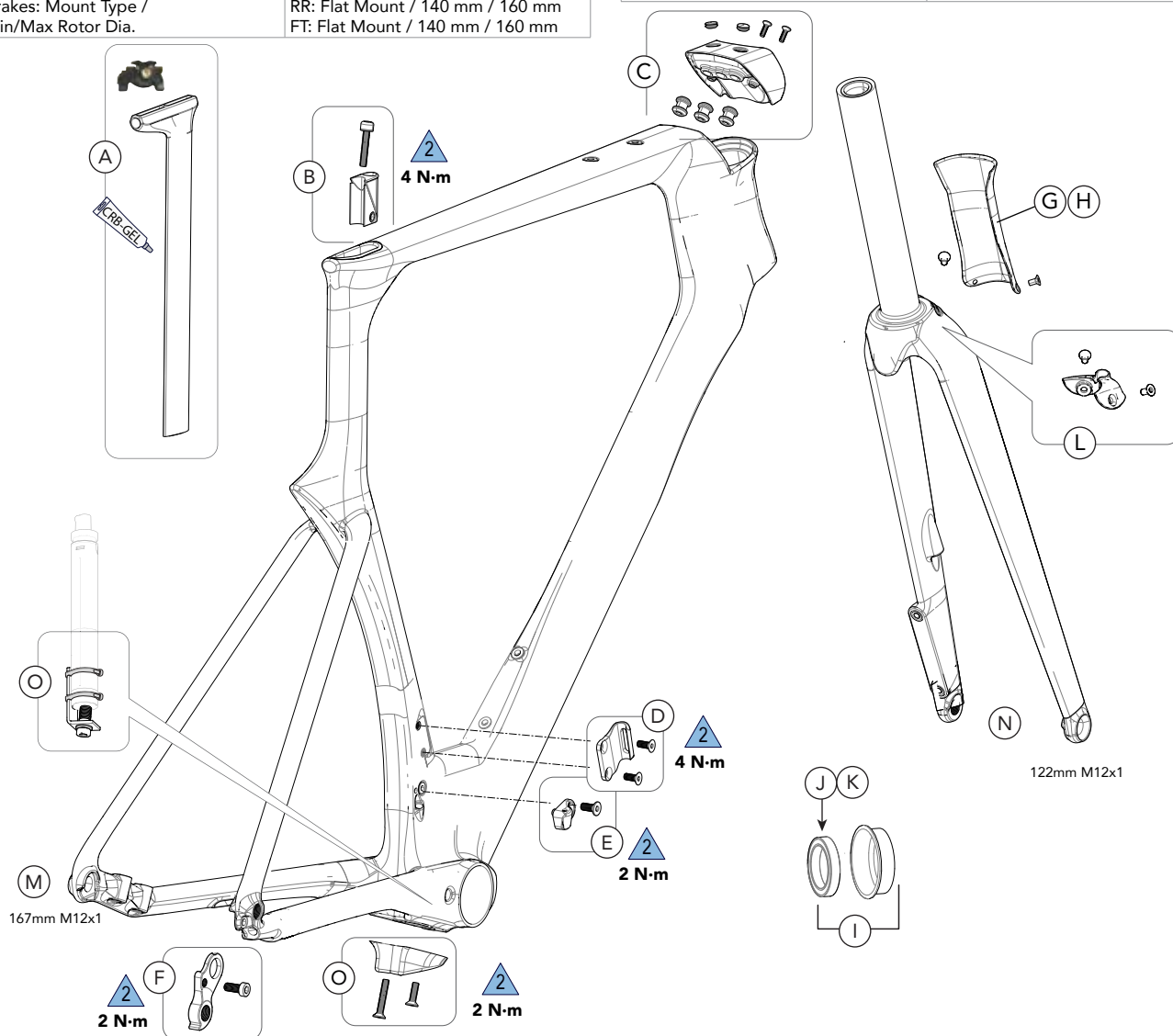
ID	Part Number	Description
A	CP2009U1080	KNØT SystemStem - 17 Deg 80 mm
	CP2009U1090	KNØT SystemStem - 17 Deg 90 mm
	CP2009U1010	KNØT SystemStem - 17 Deg 100 mm
	CP2009U1011	KNØT SystemStem - 17 Deg 110 mm
	CP2009U1012	KNØT SystemStem - 17 Deg 120 mm
	CP2019U1080	KNØT SystemStem Cover - 17 Deg 80 mm
B	CP2019U1090	KNØT SystemStem Cover - 17 Deg 90 mm
	CP2019U1010	KNØT SystemStem Cover - 17 Deg 100 mm
	CP2019U1011	KNØT SystemStem Cover - 17 Deg 110 mm
	CP2019U1012	KNØT SystemStem Cover - 17 Deg 120 mm

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
	CP2129U1044	KNØT SystemBar BK 440 mm
D	K28018	SystemBar Mounting Hardware
E	K28009	SystemSix Stem Spacer Kit
F	K35009	SL Compression Plug With Top Cap
G	K12018	SystemBar Computer and Light Mount
H	K12008	SystemBar Comp and Light Insert

SuperSlice (2019)

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.	RR: Flat Mount / 140 mm / 160 mm FT: Flat Mount / 140 mm / 160 mm

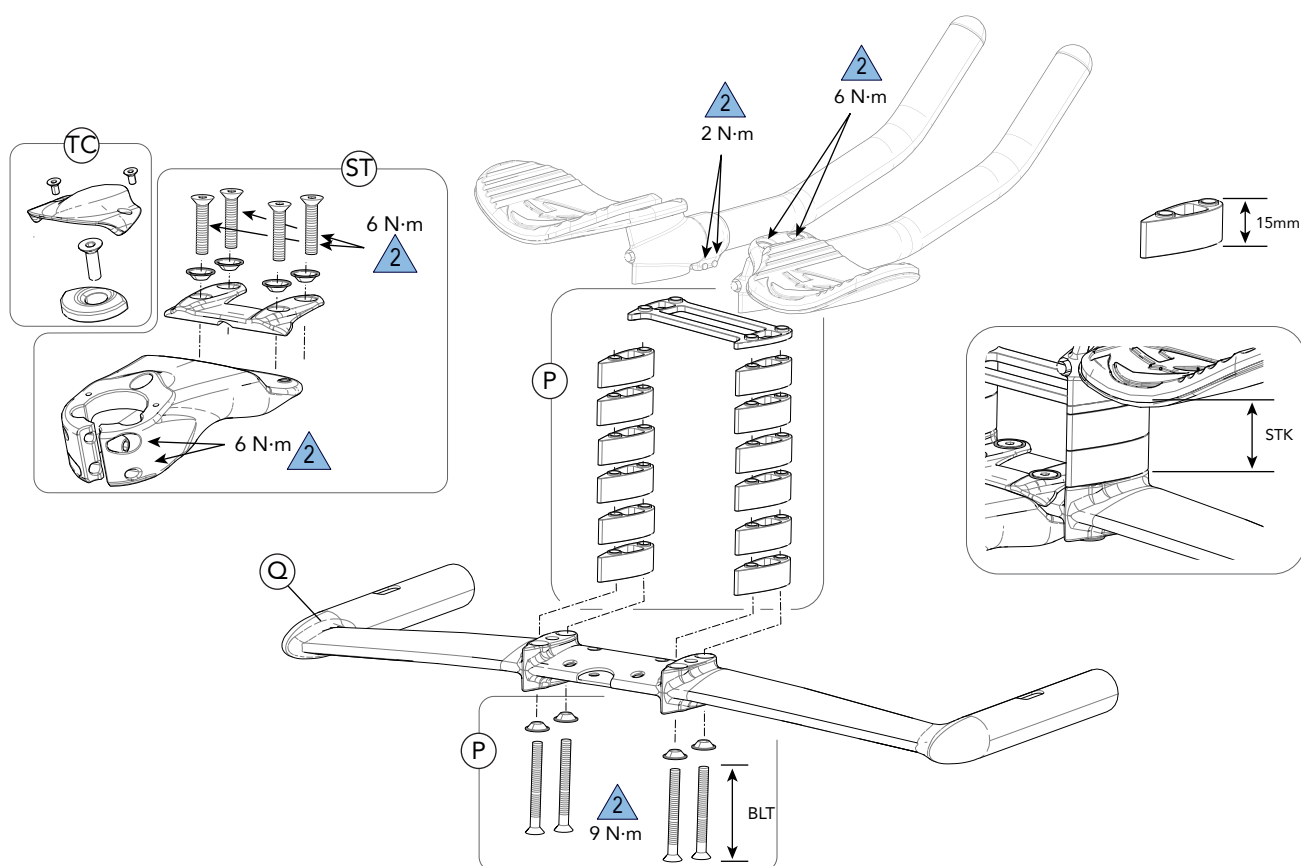
Axles: Type/Length	FRONT: Bolt Type; 12 mm Thru-Axle, 122 mm M12*P1.0, Thread Length: 11 mm, Cone Shape Head. REAR: Bolt Type; 12 mm Thru-Axle, 167 mm, M12*P1.0, Thread Length: 11 mm, Cone Shape Head.
▲ Intended Use:	ASTM CONDITION 1, High-Performance Road
▲ Max. Weight Limit: Total (rider+all equipment):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



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

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

SuperSlice (2019)

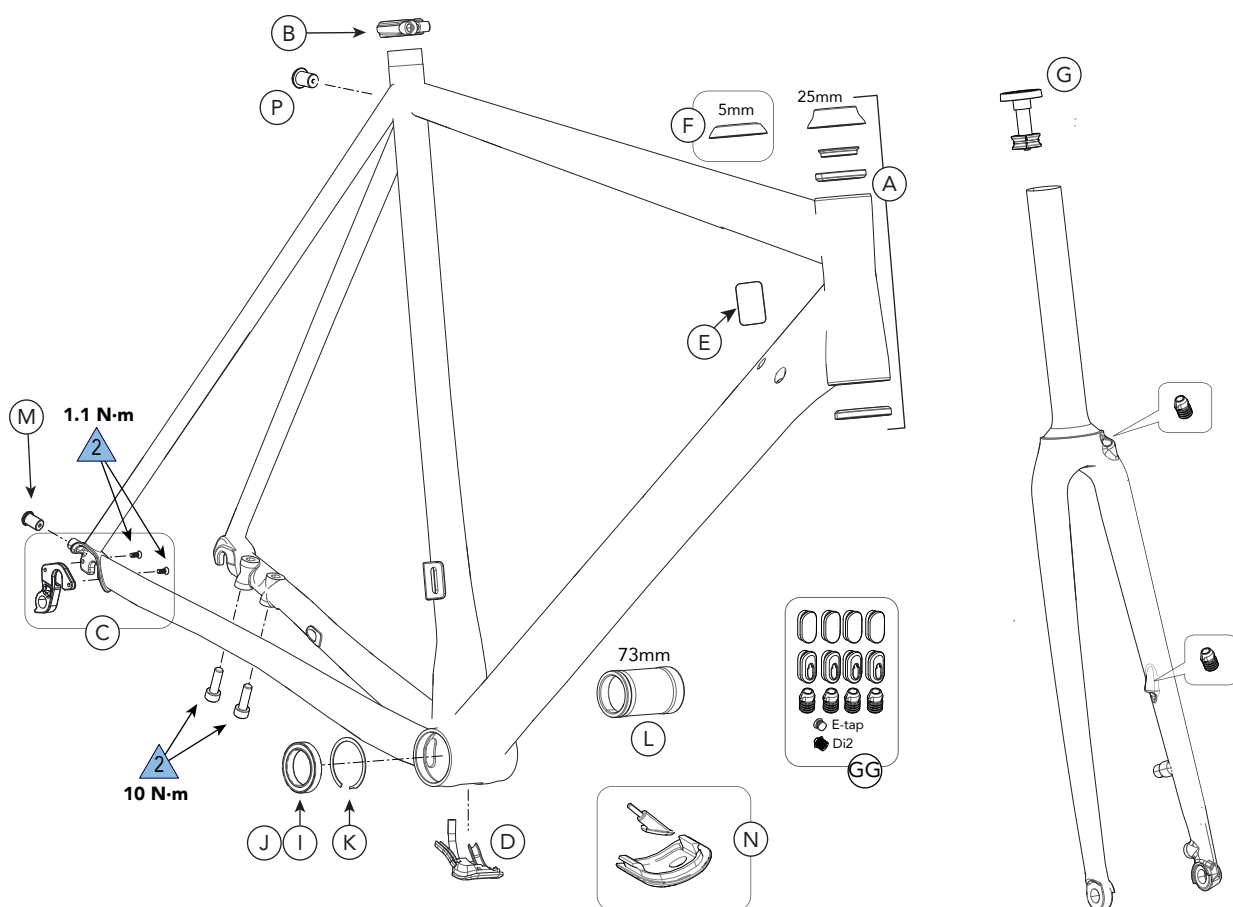


ID	Part Number	Description
TC	KP476/	SuperSlice Preload Cap
ST	CK0097U0060	SuperSlice Stem 60mm
	CK0097U0090	SuperSlice Stem 90mm
	CK0097U0020	SuperSlice Stem 120mm
P	CK0107U00OS	SuperSlice Stack Spacers
Q	CK0117U00OS	SuperSlice Base Bars - 380mm

CAAD12 (2019)

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 / 28.0 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: RR: Rim Brake RIM: FT: Rim Brake DISC: RR: Flat Mount /140mm / 160 mm DISC: FT: Flat Mount /140 mm / 160 mm
Axles: Type/Length	RIM RR: QR / 130 x 9 mm RIM FT: QR / 100 x 9 mm DISC RR: QR / 135 x 9 mm DISC FT: Maxle TA / 100 x 12 mm
▲ Intended Use:	ASTM CONDITION 1, High-Performance Road
▲ Max. Weight Limit: Total (rider+all equipment):	285 lbs / 129 kg



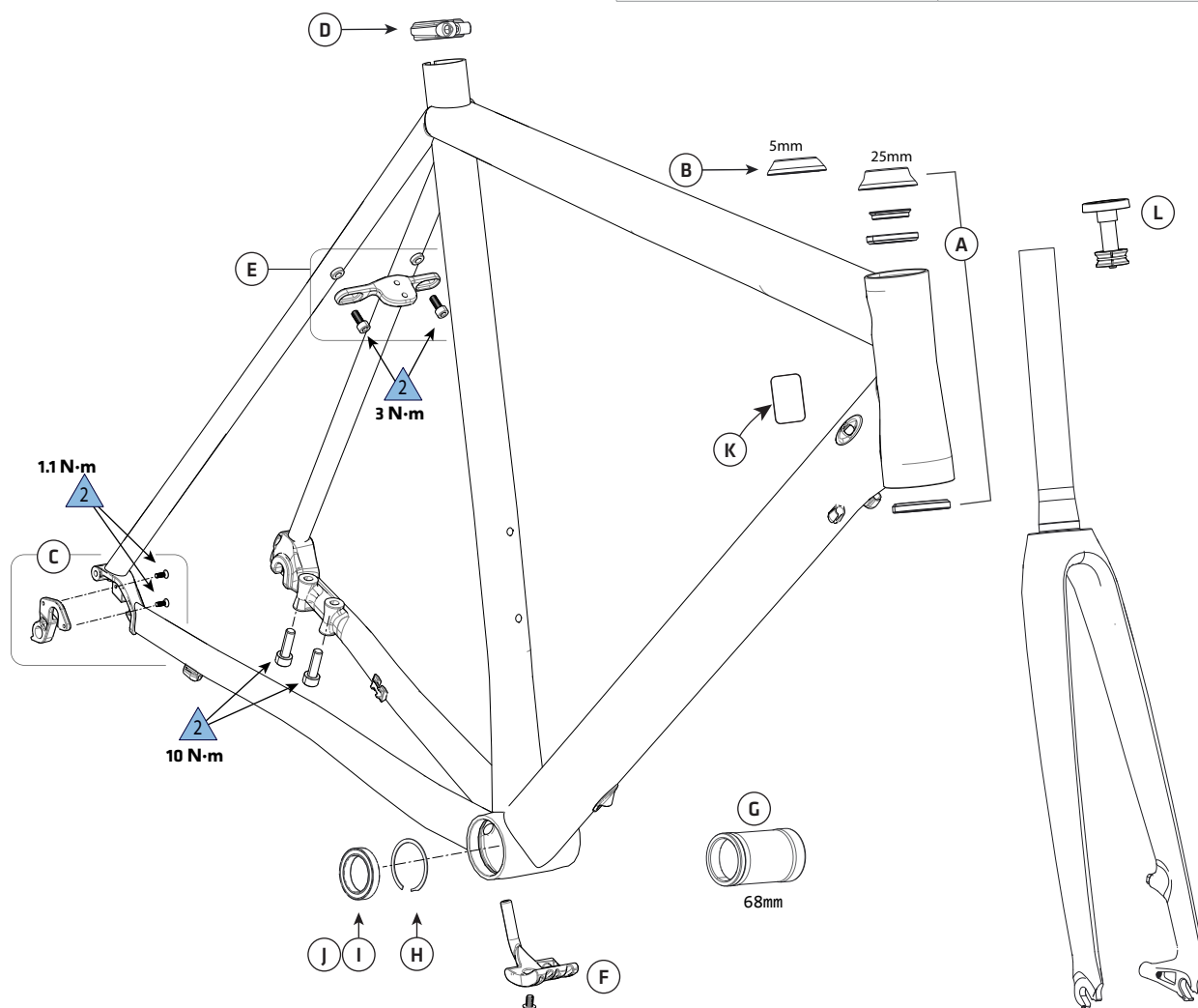
ID	Part Number	Description	DISC	RIM
A	K35068	Headset 1-1/8 to 1 1/4 33mm O.D.TC w/Race	✓	✓
B	KP397/	Seat Binder Road 28 0 BLK	✓	✓
--	KF115/	Carbon Seatpost Gel	✓	✓
C	KP255/	Derailleur Hanger QR ST SS 027	✓	✓
D	K32108	BB Cable Guide With Alloy Support	✓	✓
E	KF103/	Scuffguard (QTY 8)	✓	✓
F	KP253/	Top Cover 5 mm	✓	✓
G	K35058	SL Compression Plug w/ 5 mm Cap	✓	✓
I	KB6180/	BB30 Bearing Blue (QTY 2)	✓	✓

ID	Part Number	Description	DISC	RIM
J	K22037	BB30 Bearing Blue (QTY 24)	✓	✓
K	QC616/	BB Si Circlips (QTY 2)	✓	✓
L	KP010/	SiBB To 73 mm Adapter	✓	✓
--	KF368/	BB30A Adapter Install Tool	✓	✓
--	KF366/	SiBB Adapter Extractor Tool	✓	✓
P	KP224/	Head Tube Brake Cable Guide		✓
M	KP302/	Dropout Cable Stop (QTY 20)	✓	✓
GG	K32048	Shift And Brake Grommets	✓	✓
N	K32118	BB Cover and CBL Port Plug		✓

CAAD Optimo (2017-2019)

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



ID	Part Number	Description	DISC	RIM
--	KF115/	Carbon Seatpost Gel	✓	✓
A	CK3557U00OS	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	CK3317U00OS	Seatstay Fender Mount	✓	
F	CK3377U00OS	CAADX/Optimo Bottom Bracket Cable Guide	✓	✓

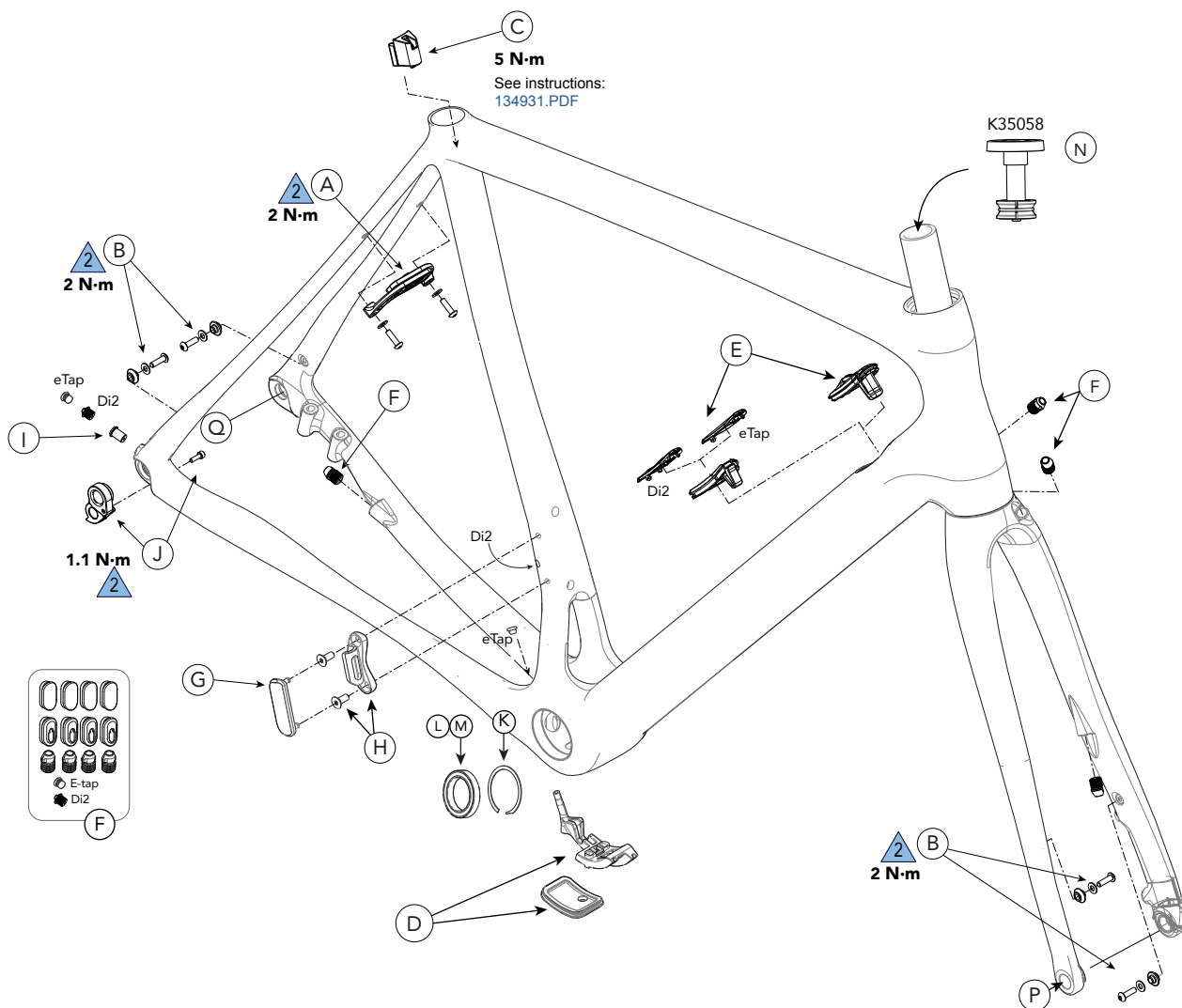
ID	Part Number	Description	DISC	RIM
G	KP009/	SiBB To 68 mm Adapter	✓	✓
--	KF365/	SiBB 68 mm Adapter Install Tool	✓	✓
H	QC616/	BB Si Circlips (QTY 2)	✓	✓
--	KF366/	SiBB Adapter Extractor Tool	✓	✓
I	KB6180/	BB30 Bearing Blue (QTY 2)	✓	✓
J	K22037	BB30 Bearing Blue (QTY 24)	✓	✓
K	KF103/	Scuffguard (QTY 8)	✓	✓

Synapse Carbon (2018-2019)

CARBON DISC

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)

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 x 12 mm, FT: Maxle TA / 100 x 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	KP302/	Dropout Cable Stop (QTY 20)
J	K33049	Derailleur Hanger TA ST SS 073
K	QC616/	BB Si Circlips (QTY 2)

ID	Part Number	Description
L	KB6180/	BB30 Bearing Blue (QTY 2)
M	K22037	BB30 Bearing Blue (QTY 24)
N	K35058	SL Compression Plug With 5 mm Cap
P	K83038	Ratchet Lever Maxle 100X12 125 mm
	K83048	Adjustable Lever Maxle 100x12 125 mm
Q	K83058	Ratchet Lever Syntace 142x12 165 mm
	K83068	Adjustable Lever Syntace 142x12 165 mm
--	K35018	1-1/8 CRB Headset No Crown Race
--	K35028	1 1/4 CRB Headset No Crown Race
--	K35038	1 3/8 CRB Headset No Crown Race
--	KF115/	Carbon Seatpost Gel

Synapse Carbon (2018-2019)

CARBON DISC

Headset Bearings - (size specific)

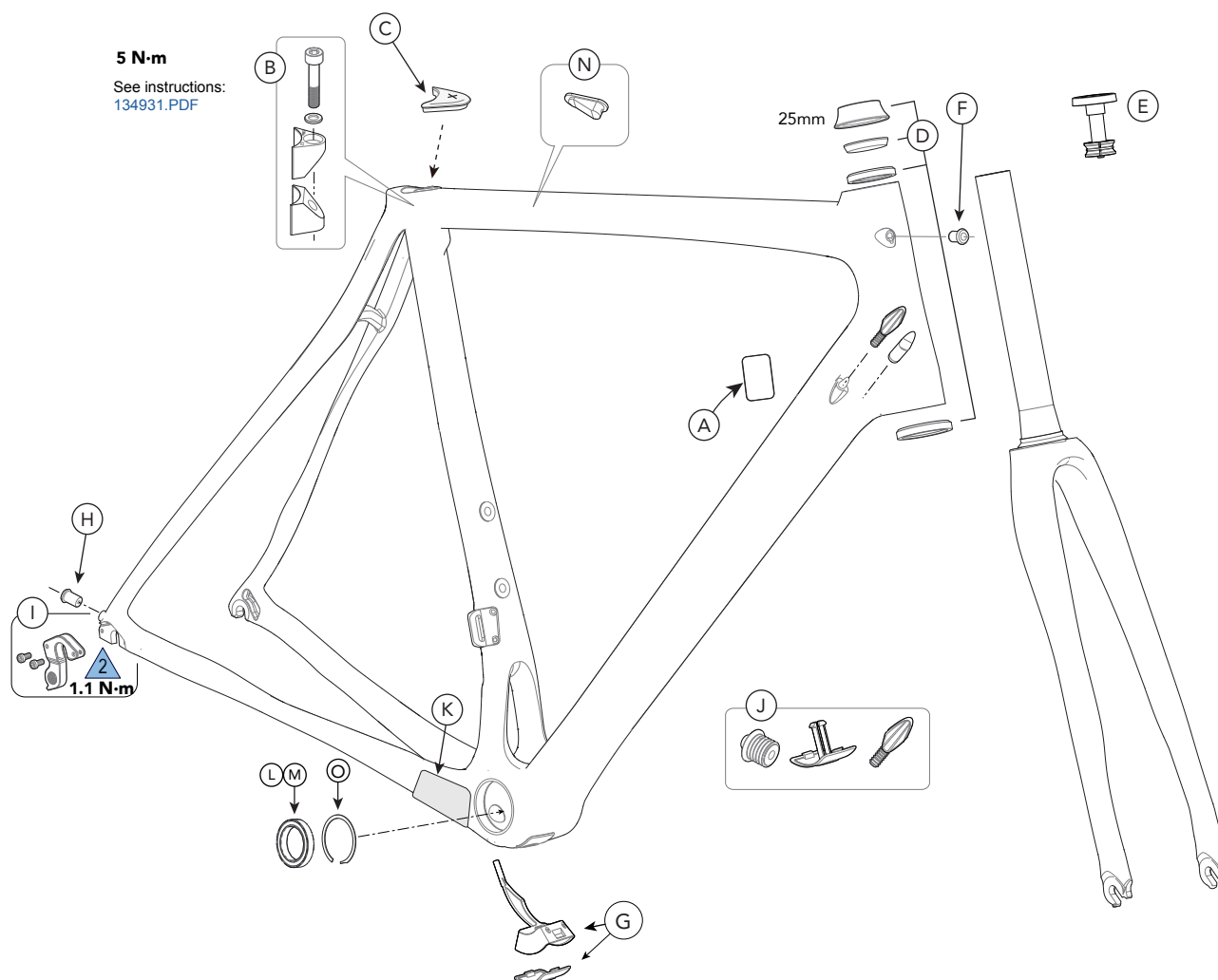
Frame Size (cm)	Cannondale Part Number (contains)		Fork Offset (mm)	Crown Dia. (mm)
	Upper Bearing	Lower Bearing		
56, 58, 61		1 - 3/8 in, ACB 36X45, 48.9 mm O.D. FSA - MR031 Cannondale - K35038	45	54
51, 54	1-1/8 in, ACB 45/45, 41.8 mm O.D., FSA - MR121	1-1/4 in, ACB 45/45, 46.8 mm OD, FSA - MR082 Cannondale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

Synapse Carbon (2014-2019)

CARBON RIM

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)

Brakes: Mount Type	RR: Rim, FT: Rim
Axles: Type/Length	RR: QR / 130 x 9 mm , FT: QR / 100 x 9 mm
▲ Intended Use:	ASTM CONDITION 1, High-Performance Road
▲ Max. Weight Limit: Total (rider+all equipment):	285 lbs / 129 kg



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	KP302/	Dropout Cable Stop (QTY 20)

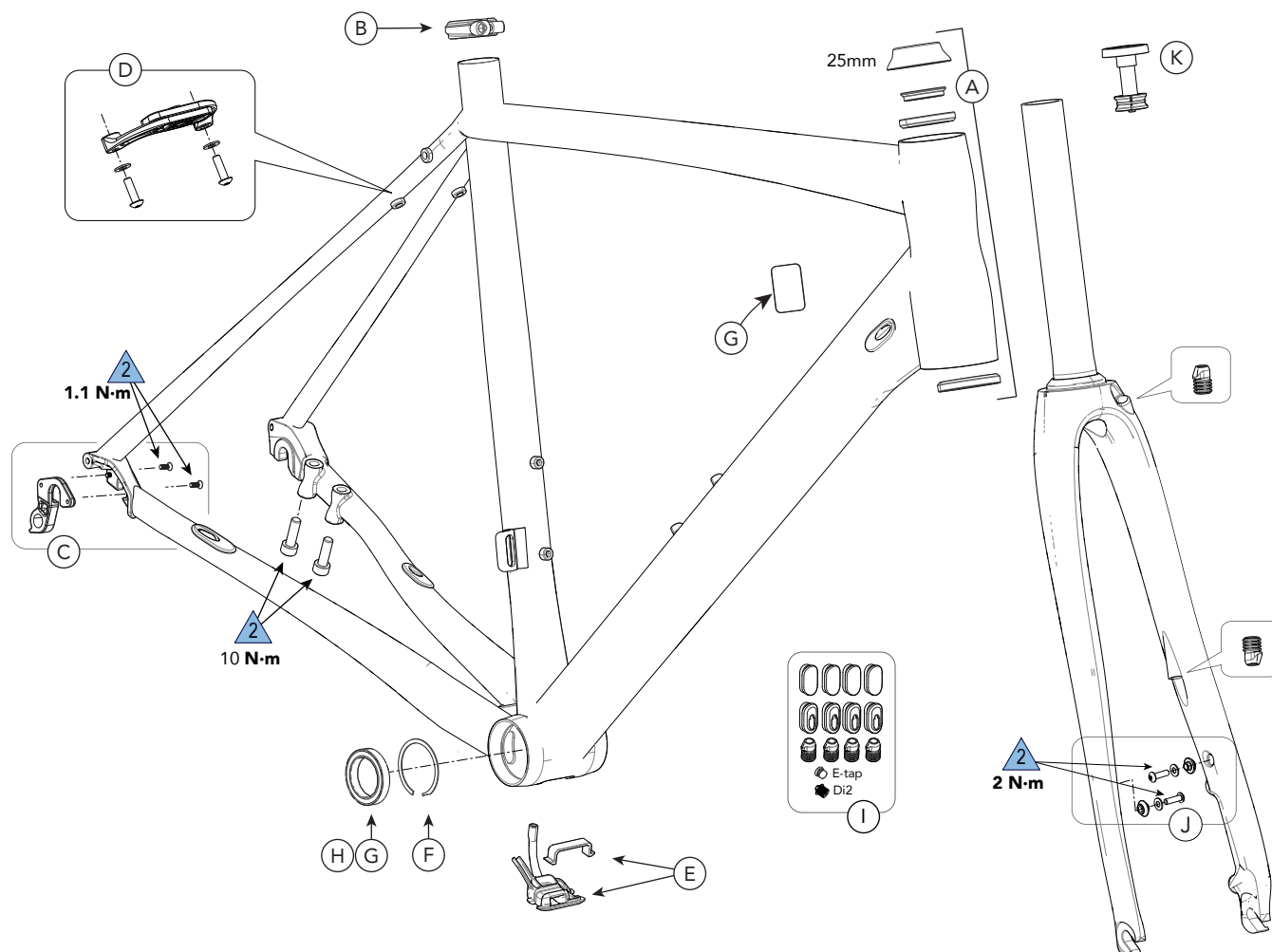
ID	Part Number	Description
I	KP158/	Derailleur Hanger QR ST DS 025
J	KP298/	Synapse Di2 Plugs Bottom Bracket Cvr.
K	KF367/	Chain Stay Protect Synapse
L	KB6180/	BB30 Bearing Blue (QTY 2)
M	K22037	BB30 Bearing Blue (QTY 24)
N	KP063/	Top Tube Internal Brake Cable Guide
O	QC616/	BB Si Circlips (QTY 2)
--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

Synapse Alloy (2018-2019)

DISC

Item	Specification
Head Tube	UPR: 1 -1/8 in, LWR: 1-1/4 in
Bottom Bracket: Type/ Width	BB30 / 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)

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 x 9 mm, FT: QR / 100 x 9 mm
▲ Intended Use:	ASTM CONDITION 1, High-Performance Road
▲ Max. Weight Limit: Total (rider+all equipment):	285 lbs / 129 kg



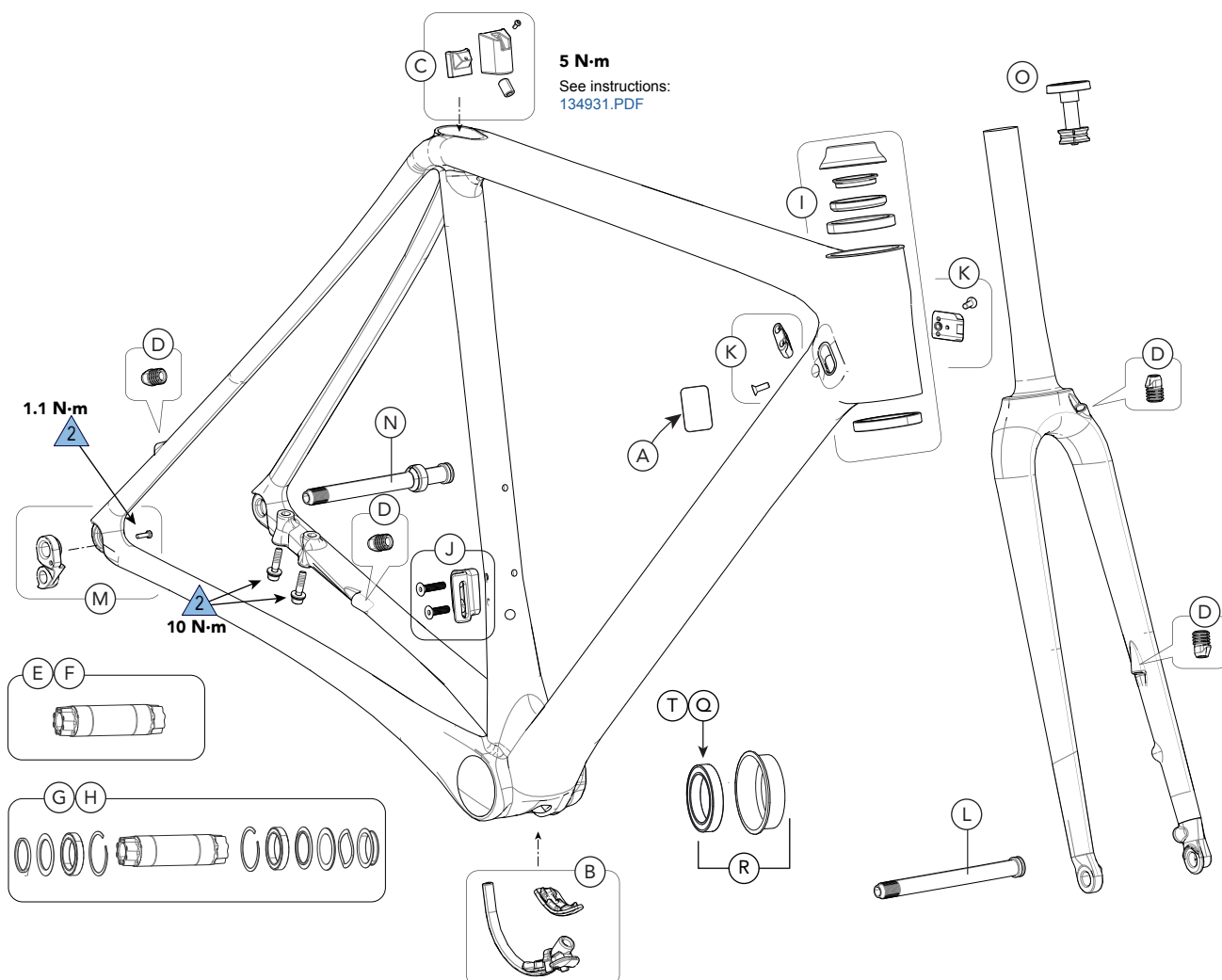
ID	Part Number	Description
A	K35028	1 1/4 CRB Headset No Crown Race
B	K26159	Seatbinder Bolt Type 28.6 mm
C	KP255/	Derailleur Hanger QR ST SS 027
D	CK1168U10OS	Adjustable Fender Bridge BLK
E	K32108	BB Cable Guide w/ Alloy Support
F	QC616/	BB Si Circlips (QTY 2)
G	K22037	BB30 Bearing Blue (QTY 24)
H	KB6180/	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

SuperX (2017-2019)

Item	Specification
Head Tube	UPR: 1 -1/2 in, LWR: 1 -1/2 in
Bottom Bracket: Type/ Width	PF30A / 83 mm
Front Derailleur	Brazed-on
Seat Post: Dia./Binder	24.4 / 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
Axles: Type/Length	RR: Syntace TA / 142 x 12 mm FT: Maxle TA / 100 x 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



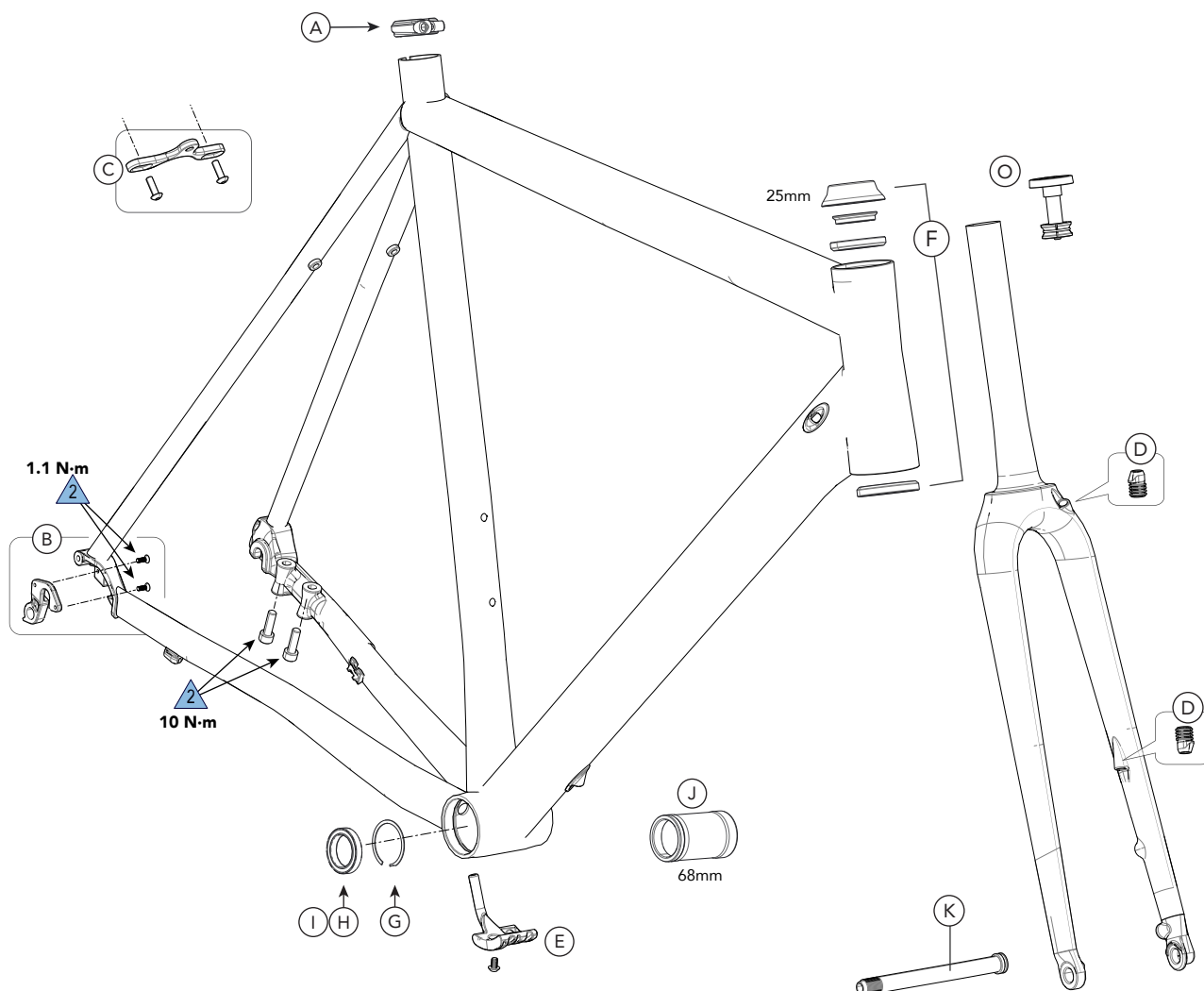
ID	Part Number	Description
A	KF103/	Scuffguard (QTY 8)
B	KP447/	BB Cable Guides 2 Pieces
C	KP448/	Internal Seat Post Wedge 25 4
D	KP449/	RuBBer Brake Housing Grommets
E	KP450/	Hollowgram Spindle 119 mm Ai (1X)
F	KP451/	Hollowgram Spindle 125 mm Ai (2X)
G	KP452/	Complete BB 119 Ai
H	KP453/	Complete BB 125 Ai
I	KP454/	Headset 1 1/8 to 1.5
J	KP455/	SuperX Front Derailleur Mount
K	KP456/	Modular Cable Guides Headtube

ID	Part Number	Description
L	KP457/	Stealth Maxle 100x12 125 mm
M	K33049	Derailleur Hanger TA ST SS 073
N	KP190/	Axle Syntace X12 142x12 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 (2017-2019)

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



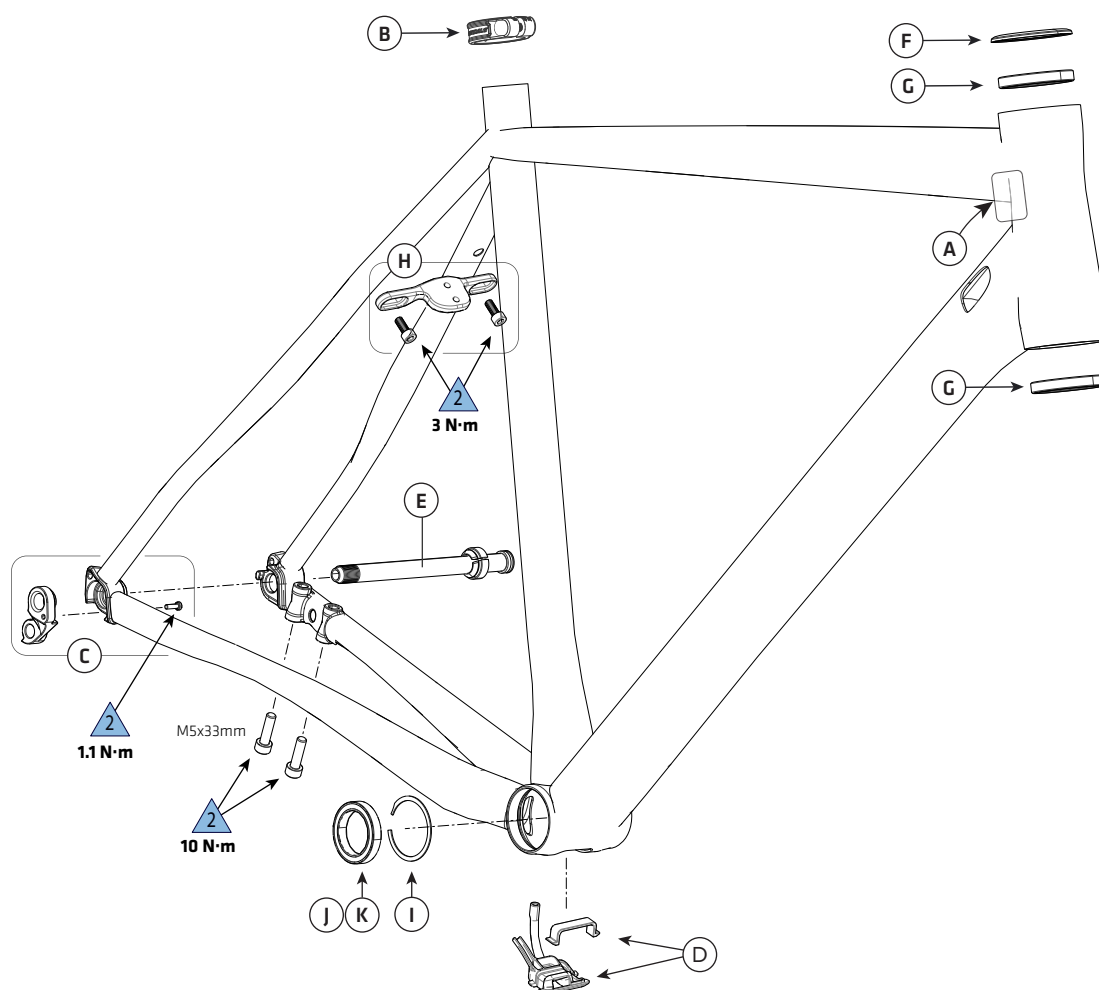
ID	Part Number	Description
A	KP159/BLK	Seat Binder Road 30.9 BLK
B	KP255/	Derailleur Hanger QR ST SS 027
C	CK3317U00OS	Seatstay Fender Mount
D	KP449/	RuBBer Brake Housing Grommets
E	CK3377U00OS	CAADX/Optimo BB Cable Guide
F	CK3557U00OS	CAADX/Optimo Headset

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 100x12 125 mm
O	K35058	SL Compression Plug With 5 mm Cap

Slate (2016-2019)

Item	Specification
Head Tube	Cannondale Si
Bottom Bracket: Type/ Width	BB30A / 73 mm
Front Derailleur	31.8 mm
Seat Post: Dia./Binder	27.2 mm / 30.9 mm
▲ Min. Seat Post Insert	100 mm
▲ Tire Size x Max. Width	650b x 42 mm (measured)

Brakes: Mount Type / Min/Max Rotor Dia.	RR: Flat Mount / 140 mm / 160 mm FT: Lefty Mount / 160 mm
Axles: Type/Length	RR: Syntace TA / 142 x 12 mm, FT: Lefty 50 Hub
▲ Intended Use	ASTM CONDITION 2, General Purpose Riding
▲ Max. Weight Limit: Total (Rider+All Equipment):	330 lbs / 150 kg



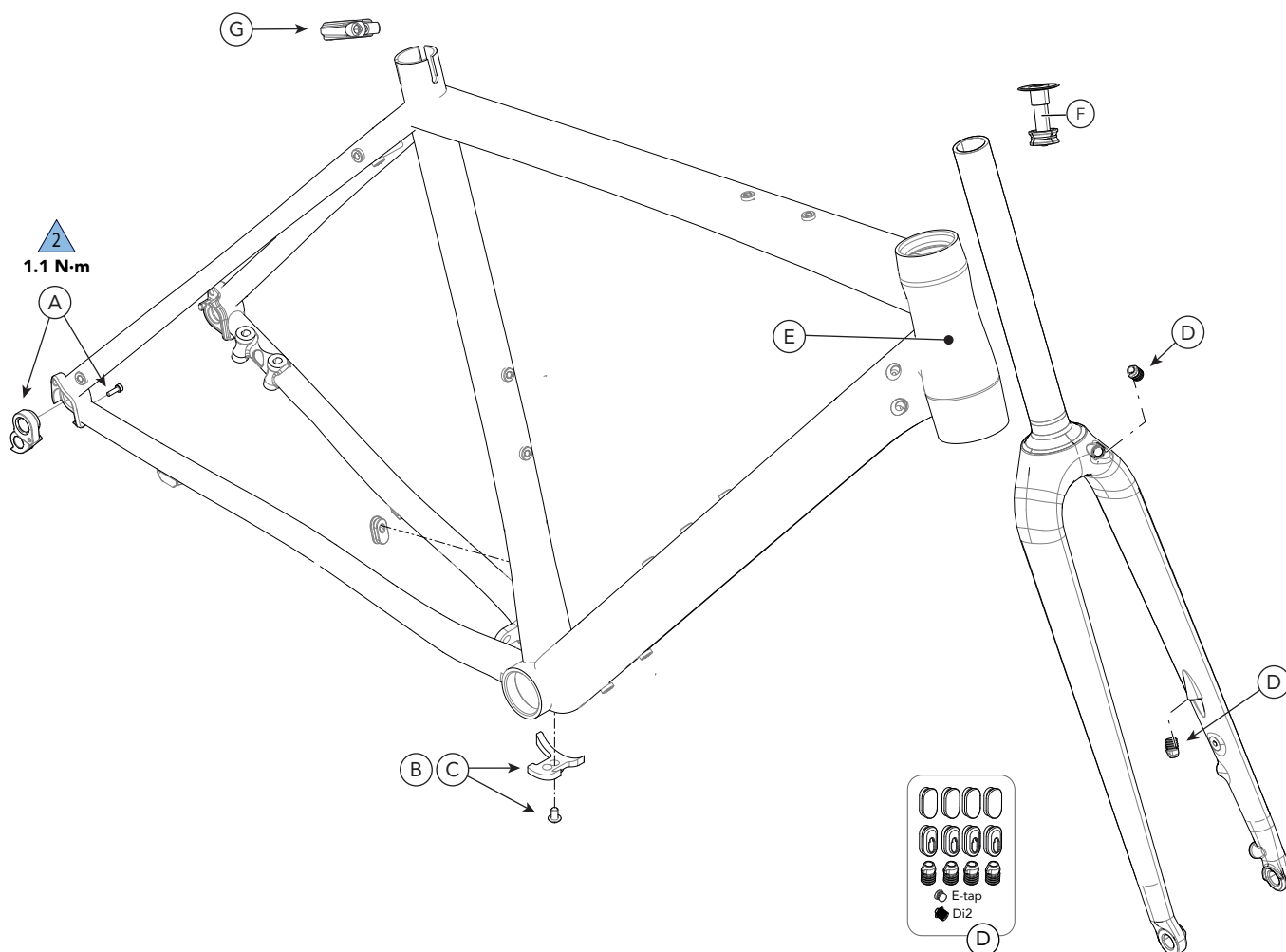
ID	Part Number	Description
A	KF103/	Scuffguard (QTY 8)
B	KP159/BLK	Seat Binder Road 30.9 BLK
C	K33049	Derailleur Hanger TA ST SS 073
D	K32108	BB Cable Guide With Alloy Support
E	KP190/	Axle Syntace X12 142x12 mm
F	QSI SEAL/	Seal Upper Bearing 58 mm OD
G	HD169/	Bearings 1.56 Headset (QTY 2)

ID	Part Number	Description
H	CK3317U00OS	Seatstay Fender Mount
I	QC616/	BB Si Circlips (QTY 2)
J	KB6180/	BB30 Bearing Blue (QTY 2)
K	K22037	BB30 Bearing Blue (QTY 24)
--	KF115/	Carbon Seatpost Gel

Topstone (2019)

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)

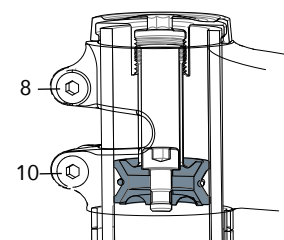
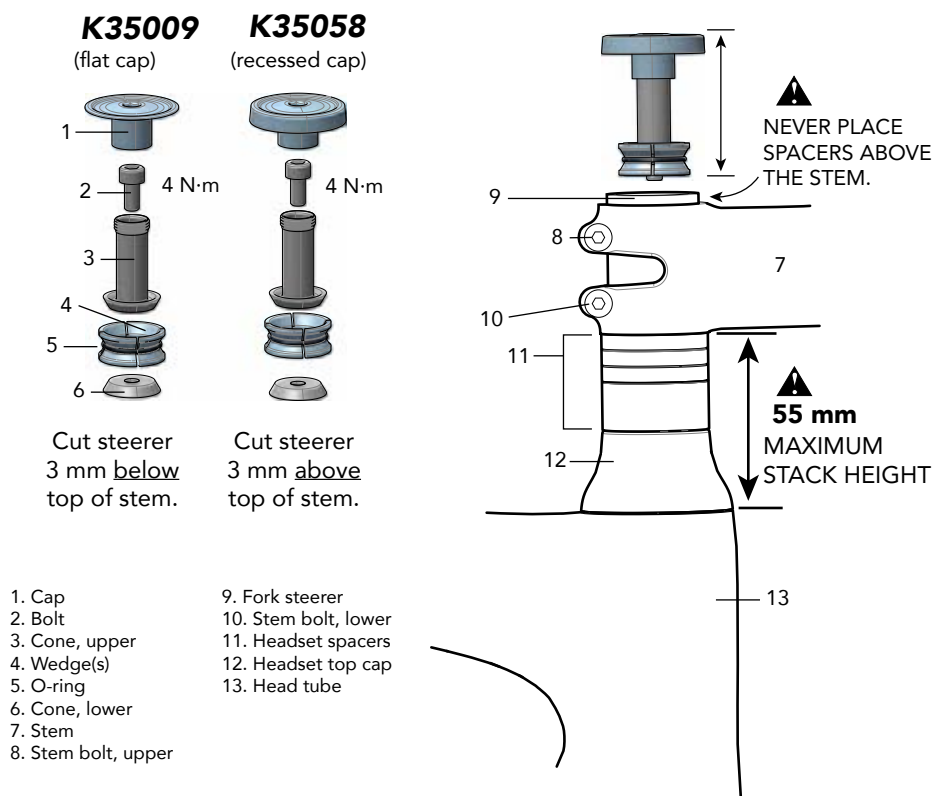
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Flat Mount / 140 mm / 160 mm FT: Flat Mount / 140 mm / 160 mm
Axles: Type/Length	RR: Syntace TA / 142 x 12 mm FT: Maxle TA / 100 x 12 mm
Fork Leg length/Offset	400 mm / 55 mm
▲ Intended Use	ASTM CONDITION 2, General Purpose Riding
▲ Max. Weight Limit: Total (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	✓	✓

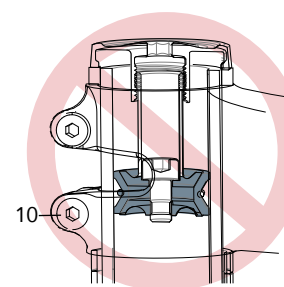
ID	Part Number	Description	SHIMANO	SRAM
F	K35009	SL Compression Plug With Top Cap	✓	✓
G	QC844/BBQ	Seatbinder Bolt Type 31.8 BLK	✓	✓
--	K83038	Ratchet Lever Maxle 100x12 125 mm	✓	✓
--	K83058	Ratchet Lever Syntace 142x12 165 mm	✓	✓

SI Compression Plug Kits



CORRECT

The expander is co-located with the lower stem clamp bolt (10).



INCORRECT

The expander is not co-located with the lower stem clamp bolt (10).

Compatibility

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

PLEASE NOTE:

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

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

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

WARNING

NEVER INSTALL SPACERS ON TOP OF THE STEM!

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

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

Installation

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

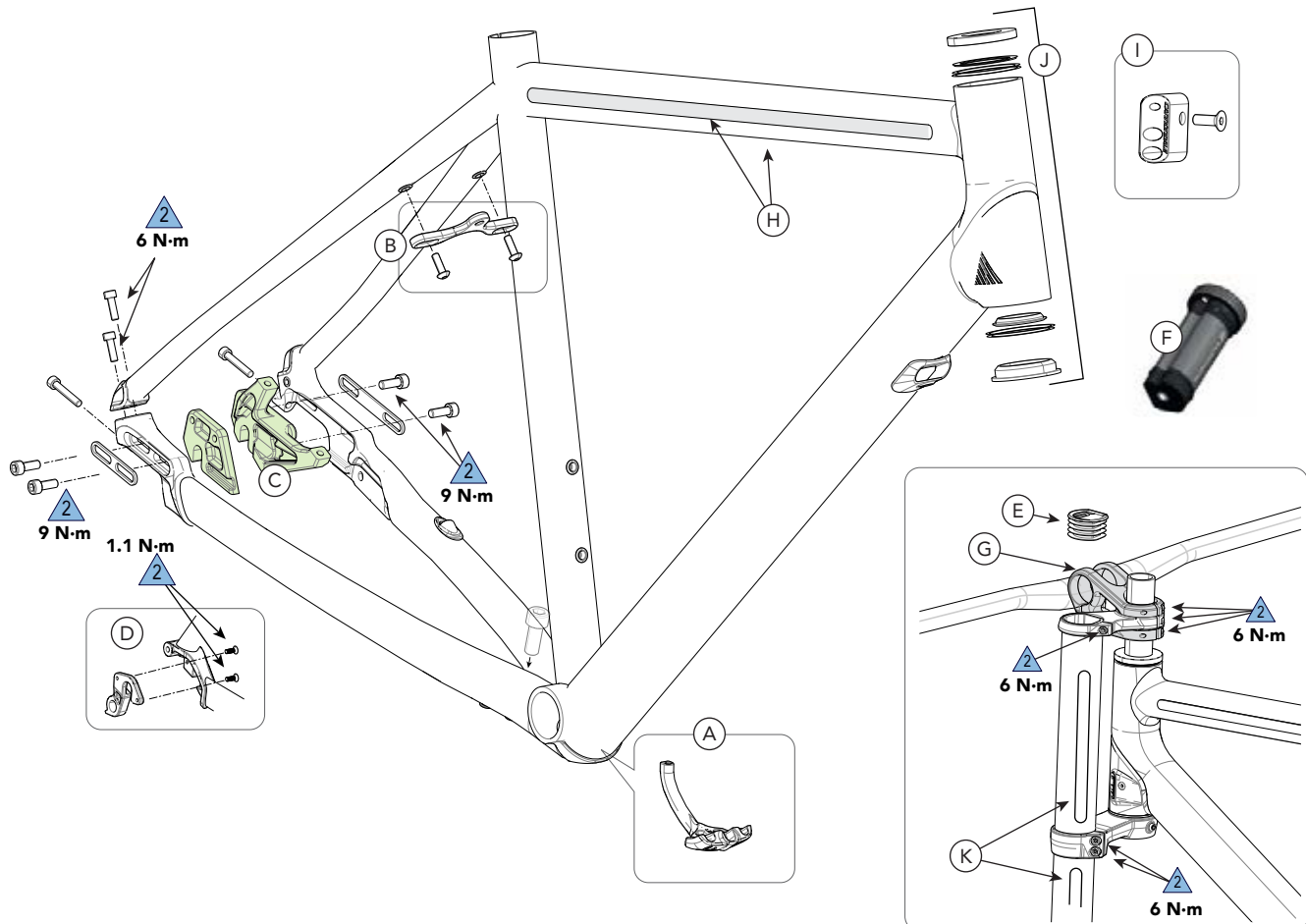
If K35009, cut the fork steerer so that it is 3 mm below the top of the stem.
2. Assemble the fork, headset, spacers, and stem into the head tube. Finger tighten the stem bolts.
3. Adjust the overall length of the compression plug assembly by threading the cap on the upper cone.
4. Insert the compression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

URBAN/FITNESS

Bad Boy (2017-2019)

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)

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)	✓	✓	✓

Quick CX

Quick CX

Item	Specification
Head Tube	UPR: 1-1/8 in, LWR: 1-1/2 in
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 x 9 mm
Rear Axle: Type/Length	QR / 135 x 9 mm
▲ Intended Use	ASTM CONDITION 2 General Purpose Riding
▲ Max. Weight Limit Total (Rider + all Equipment)	330 lbs / 150 kg

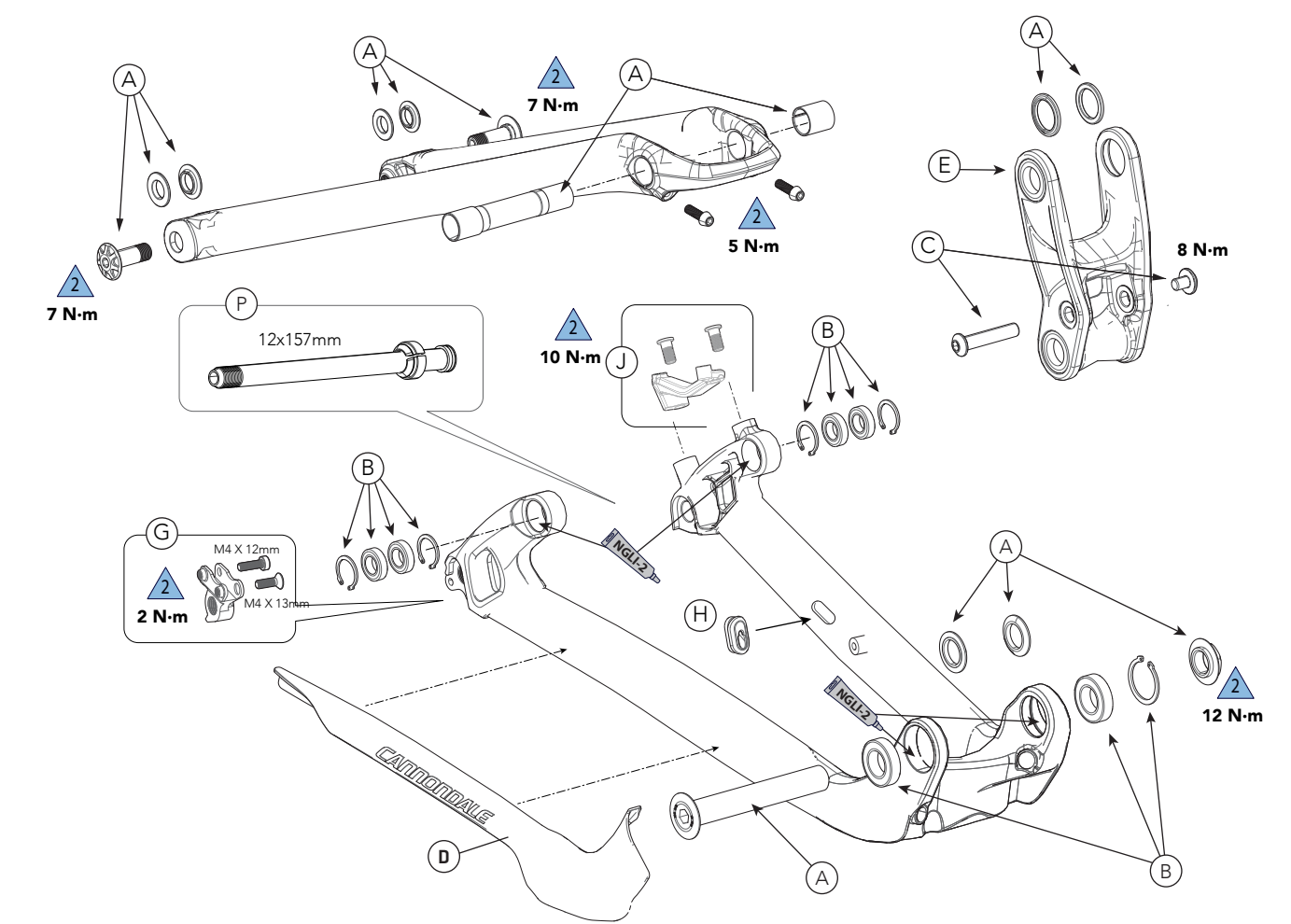
Spare Parts	KP171/BLK	Seatbinder MTN QR 31.8 BLK
	KF002/	Double BB Cable Guide Alloy Frame
	KP284/	Derailleur Hanger QR ST SS 028
	K35078	Headset Taper HT to 1-1/8 straight - Quick CX 4 Only

Electric Bikes

Moterra (2017-2019)

Item	Specification	
	Moterra	Moterra LT
Rear Travel	130 mm	160 mm
Head Tube	1-1/8 in to 1-1/2 in	Cannondale Si
Bottom Bracket Type/ Width	Bosch Drive Unit	
Seat Post Dia./Binder	31.6 mm / 34.9 mm	
▲ Min. Seat Post Insert	100 mm	
▲ Tire Size/ Max Tire Width	27.5 in x 2.8 in	27.5 in x 2.4 in
	(measured)	
▲ Max. Fork Length	541 mm	556 mm

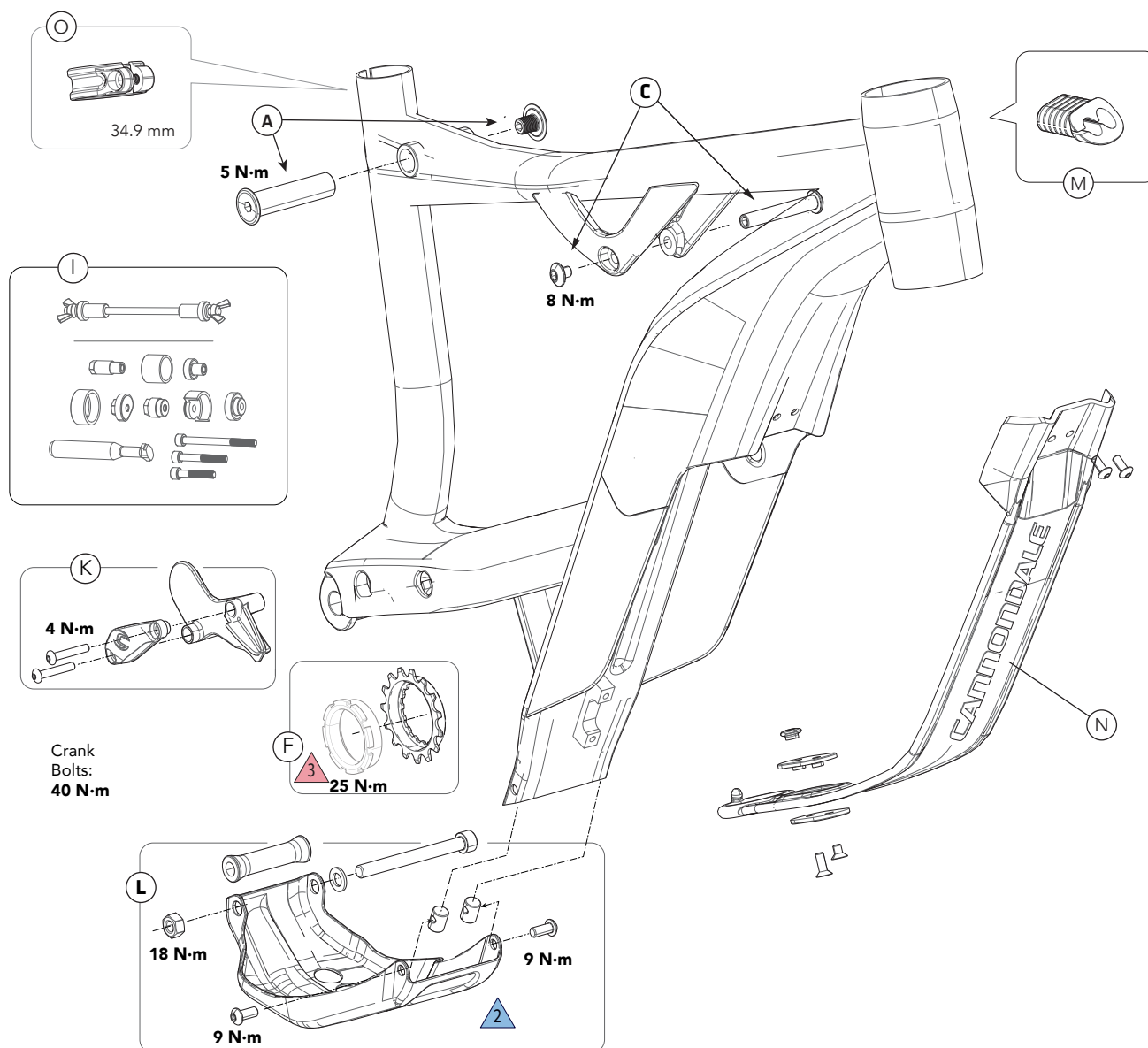
Rear Shock: Eye-To-Eye / Stroke / Bushing Width	200 x 51 mm	216 x 63 mm
Sag	36 mm	
Chain Guide	Cannondale Chain Guide	
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Post Mount / 180 mm / 200 mm (SRAM), 203 mm (Shimano)	
Axles: Type/Length	RR: Syntace TA / 157 x 12 mm FT: Maxle TA / 110 x 15 mm	
▲ Intended Use	ASTM CONDITION 4, All Mountain	
▲ Max. Weight Limit Total (rider+all equipment):	330 lbs / 150 kg	



ID	Part Number	Description
A	CK3067U10OS	Moterra Link Hardware BLK
C	CK3057M00OS	Moterra Shock Mount Hardware
D	CK3037U10OS	Moterra Chainstay Protector BLK
E	CK3297U00OS	Moterra CRB Link, w/brgs
F	CK2047U00OS	Moterra Sprocket and Lockring

ID	Part Number	Description
P	K83037	Syntace Thru Axle X12 157x12
G	KP173/	Derailleur Hanger TA ST DS 026
H	KP312/	Open Oval Grommet (QTY 10)
I	KP169/	Tool Jekyll Pivot

Moterra (2017-2019)



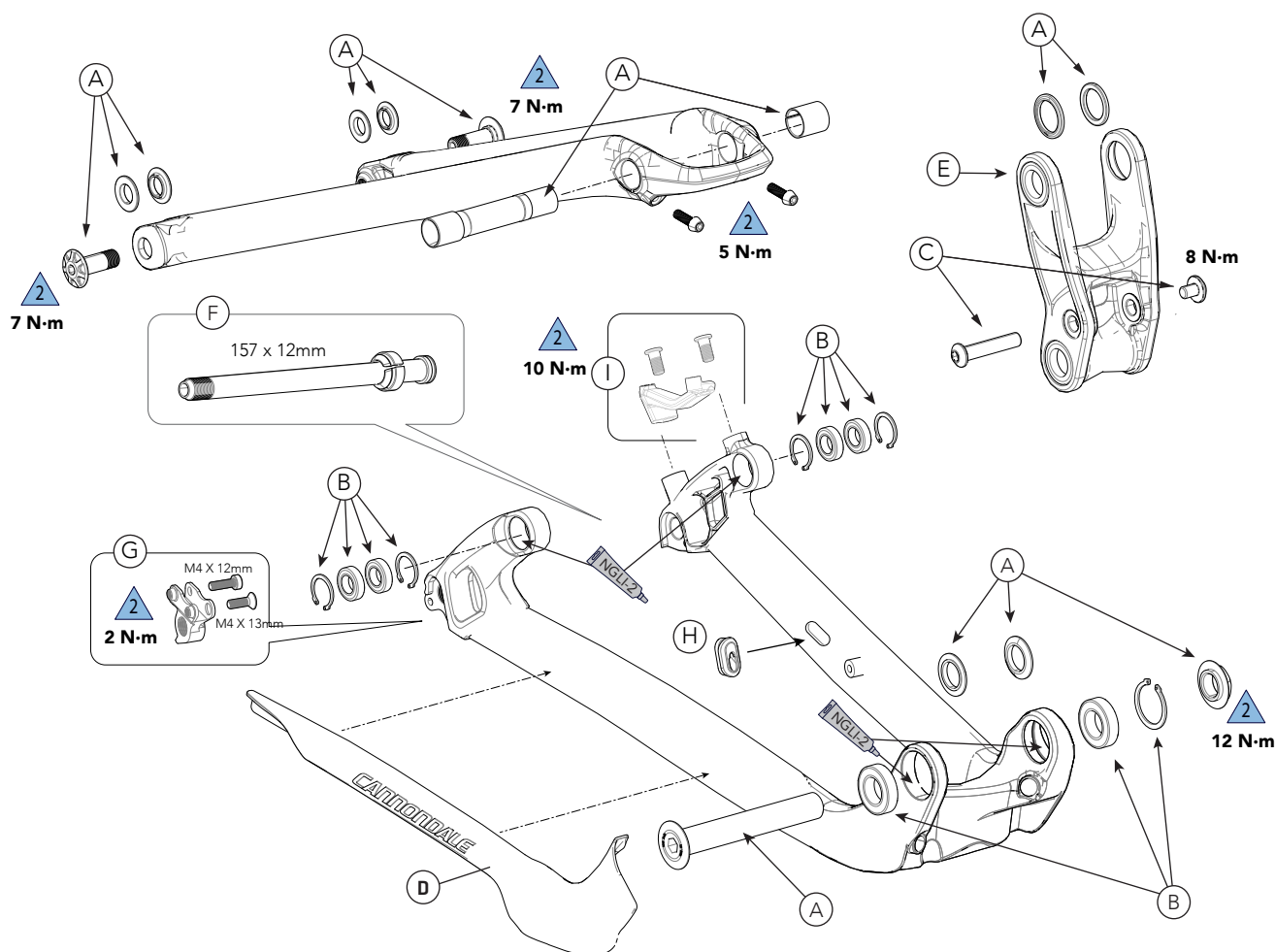
ID	Part Number	Description
O	KP388/	Seatbinder MTN Bolt 34.9
J	KP176/X	Brake Adapter Post Mount 180 mm
J	KP177/X	Brake Adapter Post Mount 185 mm
J	KP178/X	Brake Adapter Post Mount 203 mm
K	CK2017U10OS	Moterra Chainguide BLK
L	CK3017U10OS	Moterra Skid Plate BLK

ID	Part Number	Description
M	CK3077U00OS	Moterra Plug/Grommet
N	CK3277U00OS	Moterra Bat Strap
--	KP205/	Headset Integrated Headshok To Taper
B	CK3047U00OS	Moterra Pivot Bearings
--	K34667	Moterra DT Protector

Moterra NEO (2019)

Item	Specification
Drive System	Bosch Performance CX
Battery	Bosch Powertube 500Wh
Drive-Assist Owners Manual	https://www.bosch-ebike.com
Rear Travel	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	Bosch Drive Unit
Front Derailleur	N/A
Seat Post: Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	100 mm

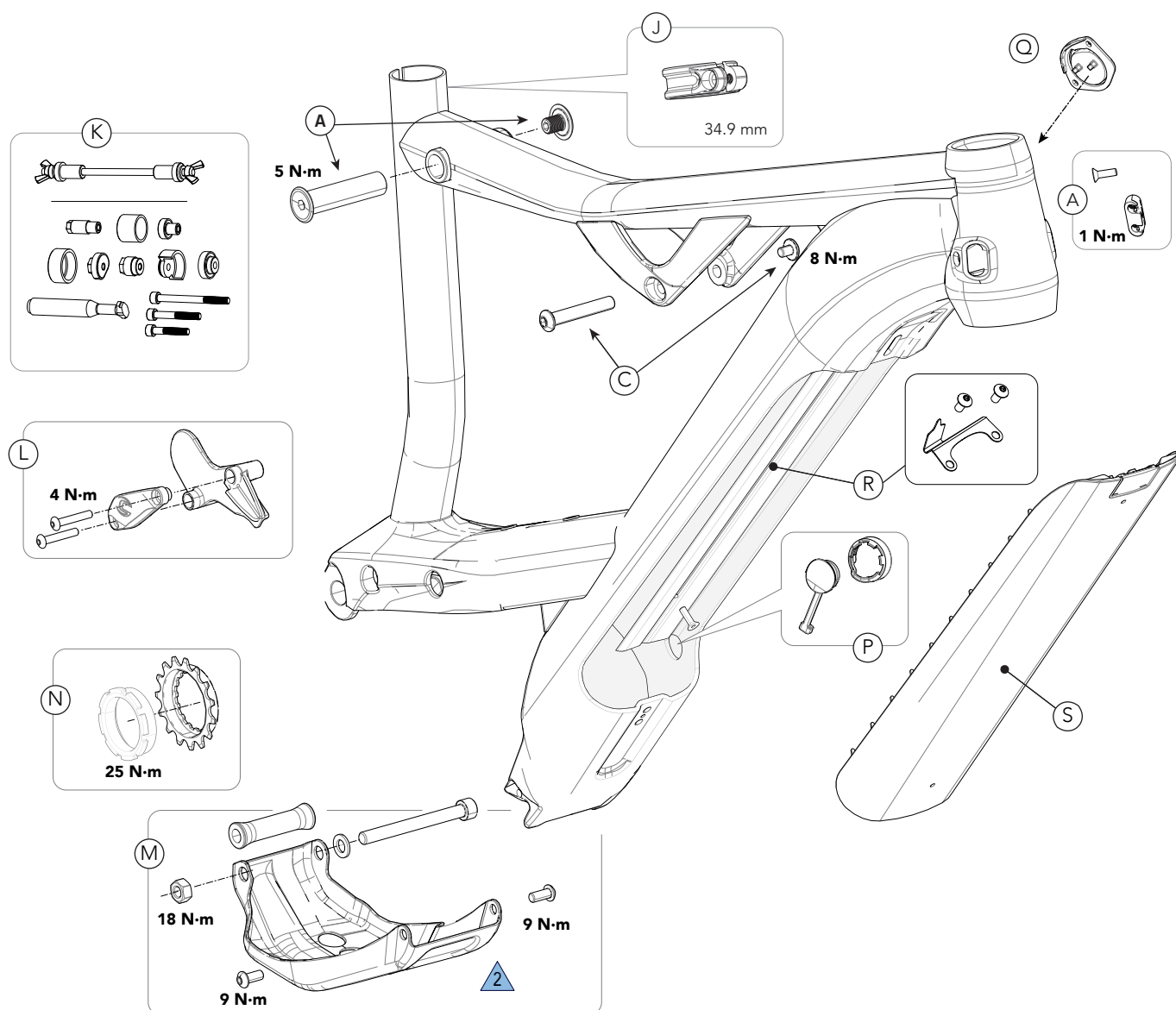
▲ Tire Size x Max. Width	27.5 in x 2.8 in (measured)
▲ Max. Fork Length:	541 mm
Rear Shock: Eye-To-Eye / Stroke / Bushing Width	210 x 50 mm
Recommended Sag:	36 mm
Chain Guide	Cannondale Chain Guide
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Post Mount /180 mm / 200 mm (SRAM), 203 mm (Shimano)
Axles: Type / Length	RR: Syntace TA / 157 x 12 mm
▲ Intended Use:	ASTM CONDITION 4, All-Mountain
▲ Max. Weight Limit: Total (rider+all equipment):	330 lbs / 150 kg



ID	Part Number	Description
A	CK3067U10OS	Moterra Link Hardware BLK
B	CK3047U00OS	Moterra Pivot Bearings
C	CK3057M00OS	Moterra Shock Mount Hardware
D	CK3037U10OS	Moterra Chainstay Protector BLK
E	CK3297U00OS	Moterra CRB Link, w/brgs
F	K83037	Syntace Thru Axle X12 157x12

ID	Part Number	Description
G	KP173/	Derailleur Hanger TA ST DS 026
H	KP312/	Open Oval Grommet (QTY 10)
I	KP176/X	Brake Adapter Post Mount 180 mm
	KP177/X	Brake Adapter Post Mount 185 mm
	KP178/X	Brake Adapter Post Mount 203 mm

Moterra NEO (2019)



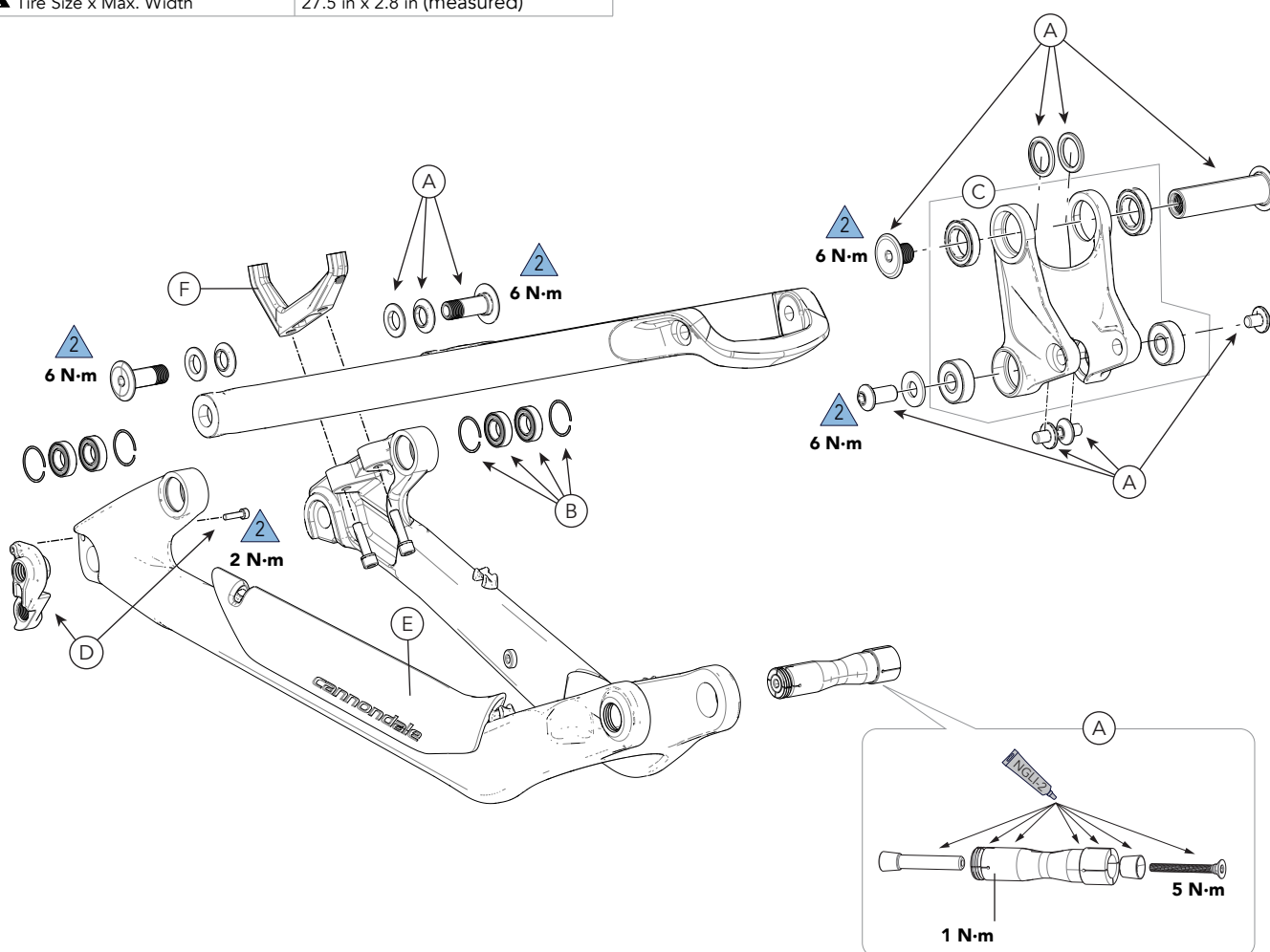
ID	Part Number	Description
J	KP388/	Seatbinder MTN Bolt 34.9
K	KP169/	Tool Jekyll Pivot
L	CK2017U10OS	Moterra Chainguide BLK
M	CK3017U10OS	Moterra Skid Plate BLK
N	CK2047U00OS	Moterra Sprocket and Lockring
O	KP456/	Modular Cable Guides HT

ID	Part Number	Description
P	K34249	Battery Key Seal
Q	K34159	Charge Port Cover PT
R	K32089	DT Cable Guide Internal Channel
S	K3425910	Battery Cover DT Bottom Exit SGG
	K3425920	Battery Cover DT Bottom Exit GRA
	K3425930	Battery Cover DT Bottom Exit BPL
--	KP205/	Headset Integrated Headshok To Taper

Cujo NEO 130 (2019)

Item	Specification
Drive System	Shimano E8000 Drive Unit
Battery	Shimano BT-E8020 504Wh
Drive-Assist Owners Manual	http://si.shimano.com
Rear Travel	130 mm
Head Tube	UPR: 1-1/8 in LWR: 1-1/2 in
Headset	FSA Orbit C-40-ACB 9.1 mm stack
Bottom Bracket: Type/ Width	Shimano E8000 Drive unit
Front Derailleur	N/A
Seat Post: Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	100 mm
▲ Tire Size x Max. Width	27.5 in x 2.8 in (measured)

▲ Max. Fork Length:	525 mm
Rear Shock: Eye-To-Eye / Stroke / Bushing Width	210 mm / 50 mm / 30 mm
Recommended Sag:	30%
Chain Guide	N/A
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Flat Mount / 180 mm
Axles: Type/Length	RR: Maxle TA / 148 x 12 mm
Ai Offset:	N/A
▲ Intended Use:	ASTM CONDITION 4, All Mountain, Trails
▲ Max. Weight Limit: Total (rider+all equipment):	330 lbs / 150 kg

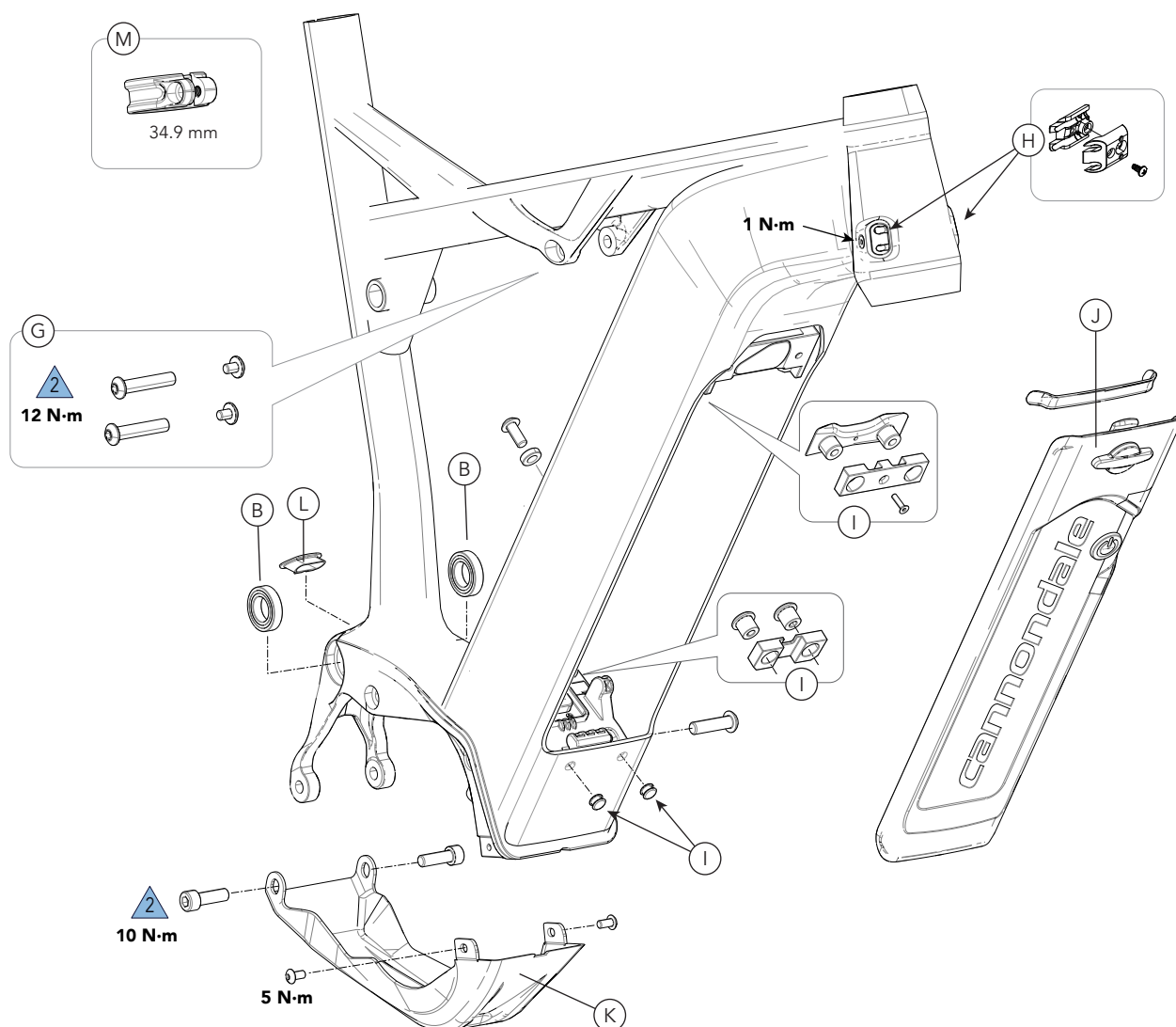


See **LOCKR** for instructions.

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	Derailleur Hanger TA ST SS 015

ID	Part Number	Description
E	K34109	NEO FS Chainstay Protector
F	KP421/180	Brake Mount Flat 180 mm

Cujo NEO 130 (2019)



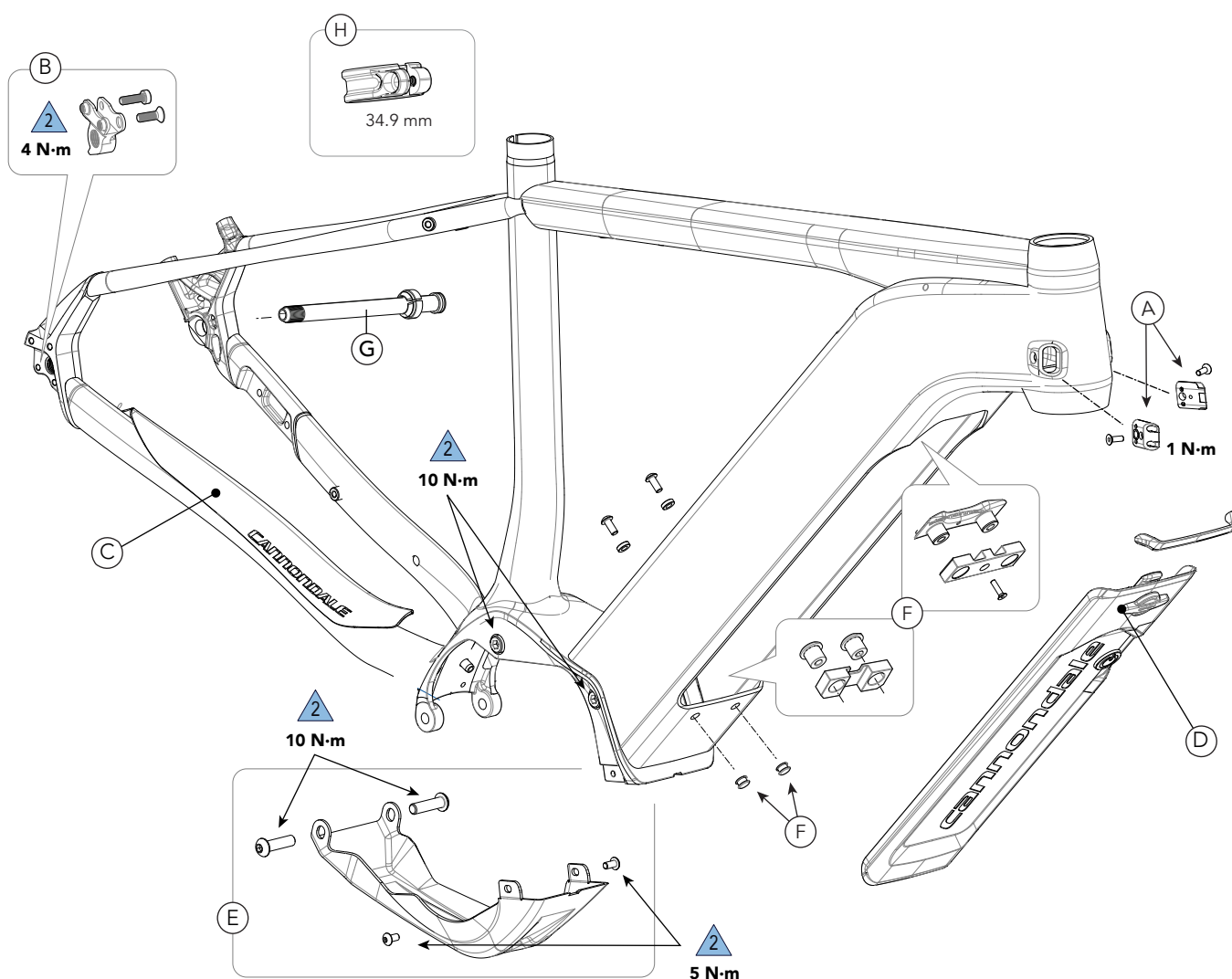
ID	Part Number	Description
G	K36018	AL Frame Shock Hardware
H	KP456/	Modular Cable Guides Headtube
I	K91019	NEO Battery Mounting Kit
J	K34089	NEO Battery Cover BLK

ID	Part Number	Description
K	K34099	Cujo NEO Skidplate w/ Hardware
L	K32029	NEO Cable Exit Port
M	KP388/	Seatbinder MTN Bolt 34.9

Cujo NEO (2019)

Item	Specification
Drive System	Shimano E8000 Drive Unit
Battery	Shimano BT E8020 504Wh
Drive-Assist Owners Manual	https://si.shimano.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	Shimano E8000 Drive Unit
Front Derailleur	N/A
Seat Post: Dia./Binder	31.6 mm / 34.9 mm
▲ Min. Seat Post Insert	100 mm

▲ Tire Size x Max. Width	27.5 in x 2.8 in
▲ Max. Fork Length:	531 mm
Chain Guide	N/A
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Post Mount / 160 mm / 203 mm
Axles: Type / Length	RR: Syntace TA / 148 x 12 mm
▲ Intended Use	ASTM CONDITION 2, General Purpose Riding
▲ Max. Weight Limit Total (Rider+All Equipment):	330 lbs / 150 kg



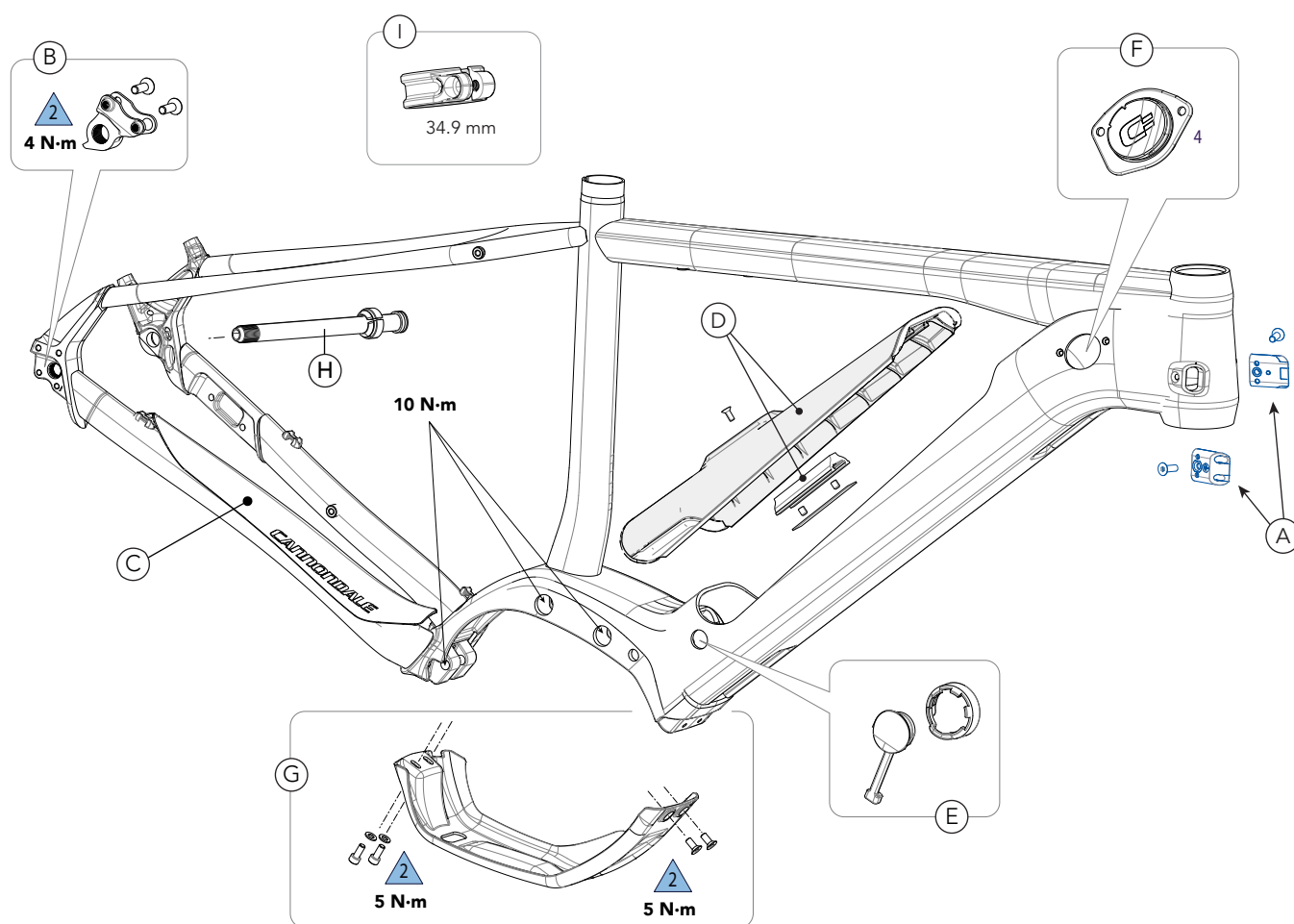
ID	Part Number	Description
A	KP456/	Modular Cable Guides Headtube
B	KP173/	Derailleur Hanger TA ST DS 026
C	CK3618U00OS	NEO Chain Stay Protector
D	K34089	NEO Battery Cover BLK

ID	Part Number	Description
E	K34099	Cujo NEO Skidplate w/ Hardware
F	K91019	NEO Battery Mounting Kit
G	K83078	Syntace X-12 Thru Axle 148 x 12 168 mm
H	KP388/	Seatbinder MTN Bolt 34.9

Tesoro NEO X / Trail NEO (2019)

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



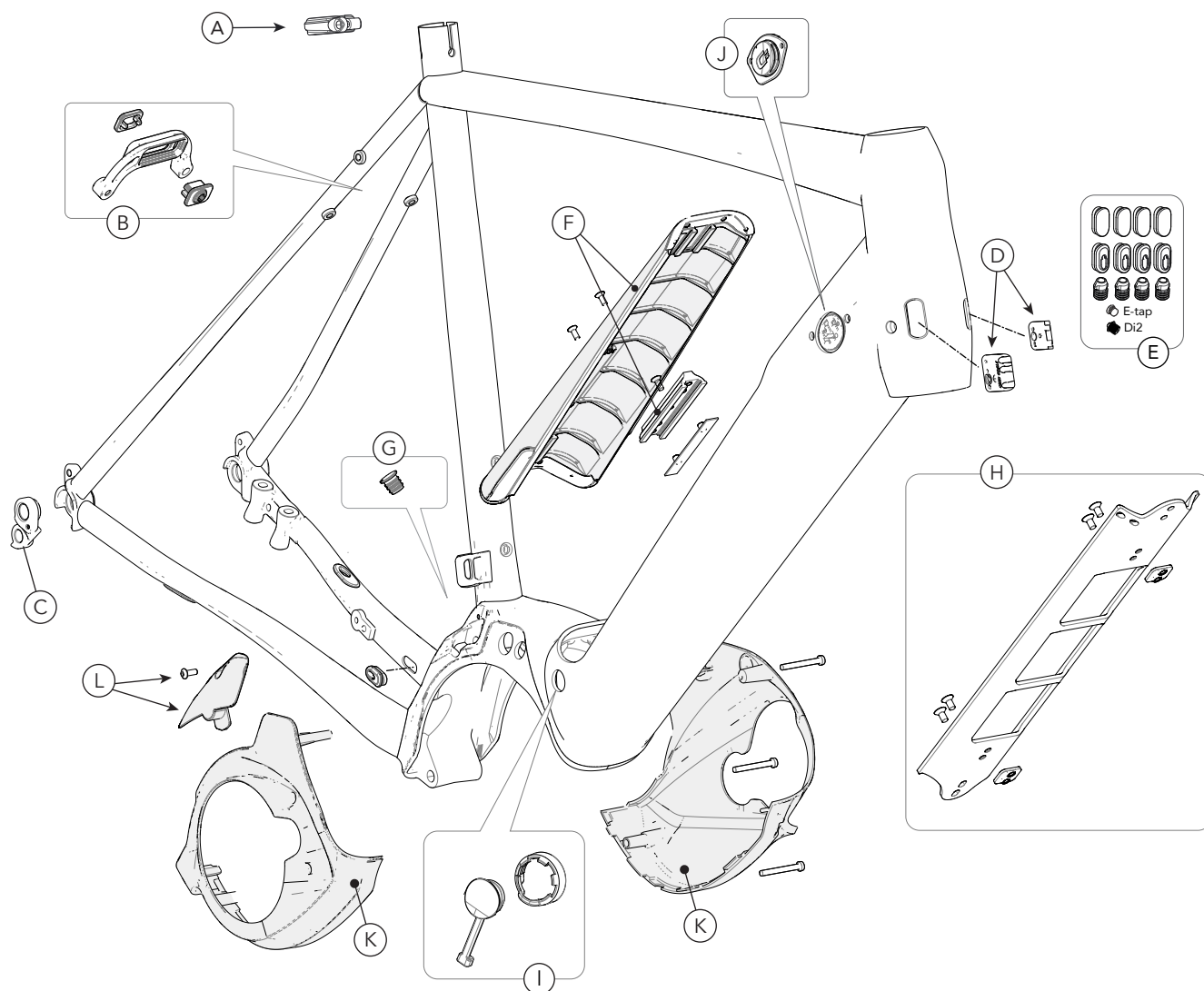
ID	Part Number	Description
A	KP456/	Modular Cable Guides Headtube
B	KP173/	Derailleur Hanger TA ST DS 026
C	CK3618U000S	NEO Chain Stay Protector
D	K3420910	Battery Cover DT Top Exit BLK
	K3420940	Battery Cover DT Top Exit SGY
E	K34249	Battery Key Seal

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

Synapse NEO / Quick NEO (2019)

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	Quick NEO: 700c x 35 mm Synapse NEO: 700c x 35 mm , Synapse NEO SE NEO: 650b x 47 mm (measured)
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Flat Mount / 140 mm / 160 mm FT: Flat Mount / 140 mm / 160 mm
Axle: Type/Length	FT: Maxle TA 100 x 12 mm, 125 mm RR: Syntace TA 142 x 12 mm, 160 mm
Ai Offset:	Drivetrain: 6 mm offset
▲ Intended Use	ASTM CONDITION 2: General Purpose Riding
▲ Max. Weight Limit Total (Rider+All Equipment):	330 lbs / 150 kg



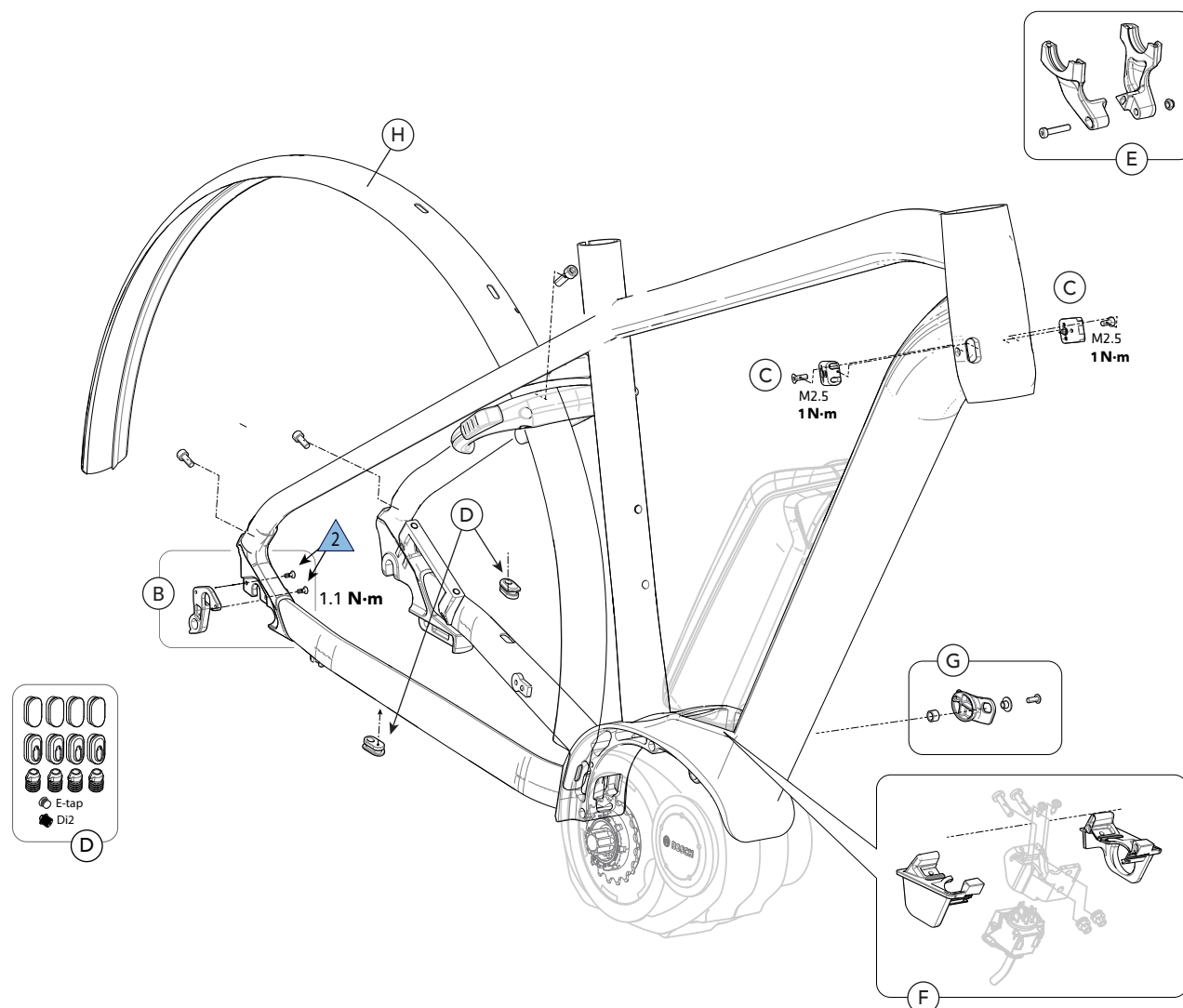
ID	Part Number	Description	SYNAPSE	QUICK
A	K26159	Seatbinder Bolt Type 28.6 mm	✓	✓
B	CK1168U10OS	Adjustable Fender Bridge BLK	✓	✓
C	K33049	Derailleur Hanger TA ST SS 073	✓	✓
D	KP436/	Modular Cable Guides HT DT BB	✓	✓
E	K32048	Shift and Brake Grommets	✓	✓
F	K3420940	Battery Cover DT Top Exit SGY	✓	
	K3420910	Battery Cover DT Top Exit BLK	✓	✓
G	K32079	Blank Frame Plugs QTY 3	✓	✓
H	K34219	DT Battery Rail	✓	✓

ID	Part Number	Description	SYNAPSE	QUICK
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		✓

Tesoro NEO (2018-2019)

Item	Specification
Drive System	A)- Bosch Performance CX B) - Bosch Active Line Plus
Battery	A) - Bosch Powerpack 500wh B) - Bosch PowerPack 400Wh
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 / 36.4 mm
▲ Min. Seat Post Insert	100 mm
▲ Tire Size x Max. Width	700c x 47 mm (measured)
Brakes: Mount Type / Min/Max Rotor Dia.	RR: Post Mount / 160 mm
Axles:	RR: QR /135 x 9 mm
▲ Intended Use	ASTM CONDITION 2, General Purpose Riding
▲ Max. Weight Limit Total (Rider+All Equipment):	330 lbs / 150 kg



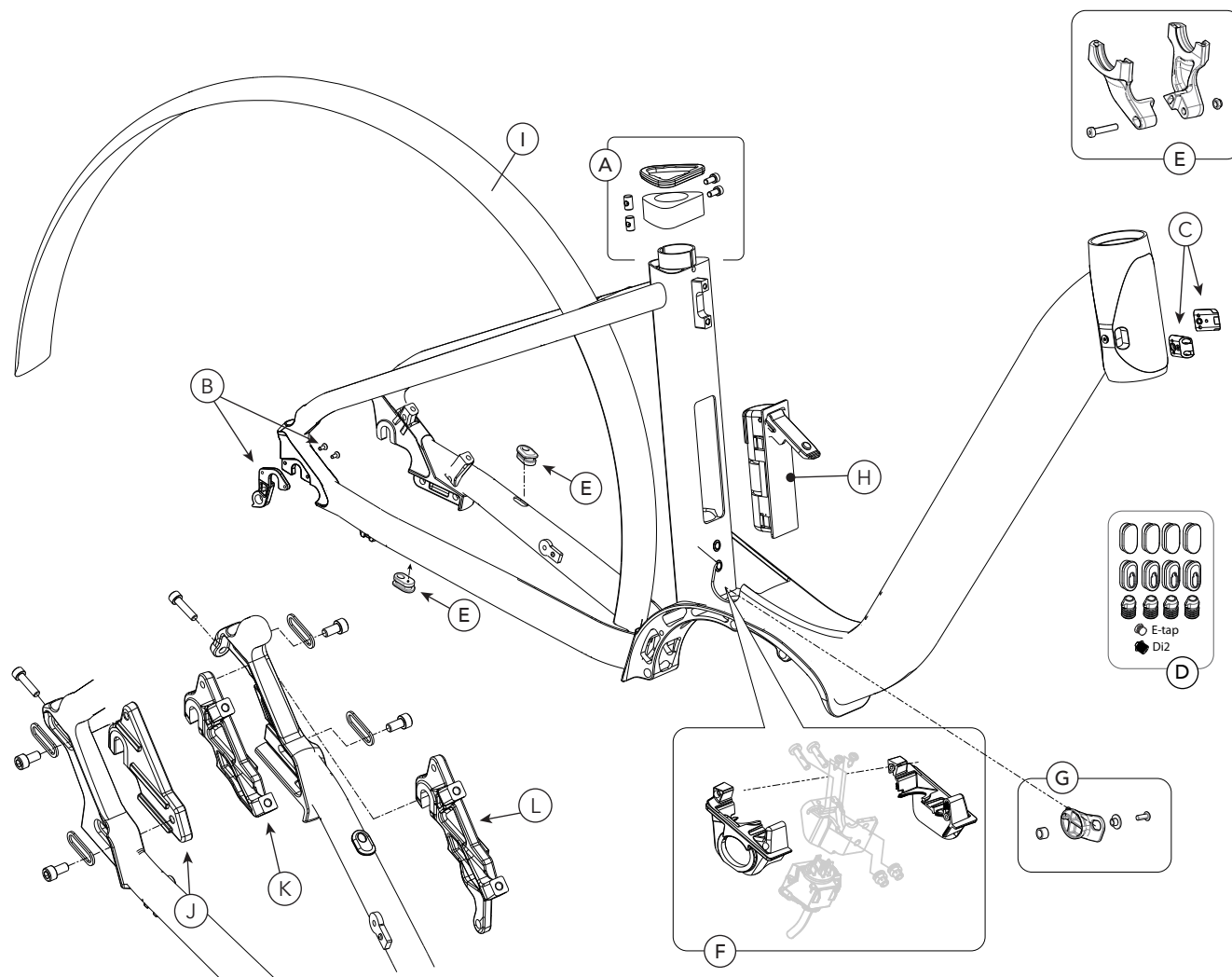
ID	Part Number	Description
B	KP284/	Derailleur Hanger QR ST SS 028
C	KP456/	Modular Cable Guides Headtube
D	K32048	Shift And Brake Grommets
E	K25018	NEO Light Mounting Bracket
F	K34038	Bosch Battery Cover
G	K34098	Charge Port Cover

ID	Part Number	Description
H	K11078	Tesoro NEO Rear Fender 700c
--	K11038	Tesoro NEO Front Fender 700c
--	K83018	Headshok DL50 Thru Axle 100x15 mm
--	HD169/	Bearings 1.56 Headset QTY=2
--	K34319	Tesoro Neo Motor Covers

Mavaro NEO (2018-2019)

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
▲ 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 x 9 mm
▲ Intended Use	ASTM CONDITION 2, General Purpose Riding
▲ Max. Weight Limit Total (Rider+All Equipment):	330 lbs / 150 kg



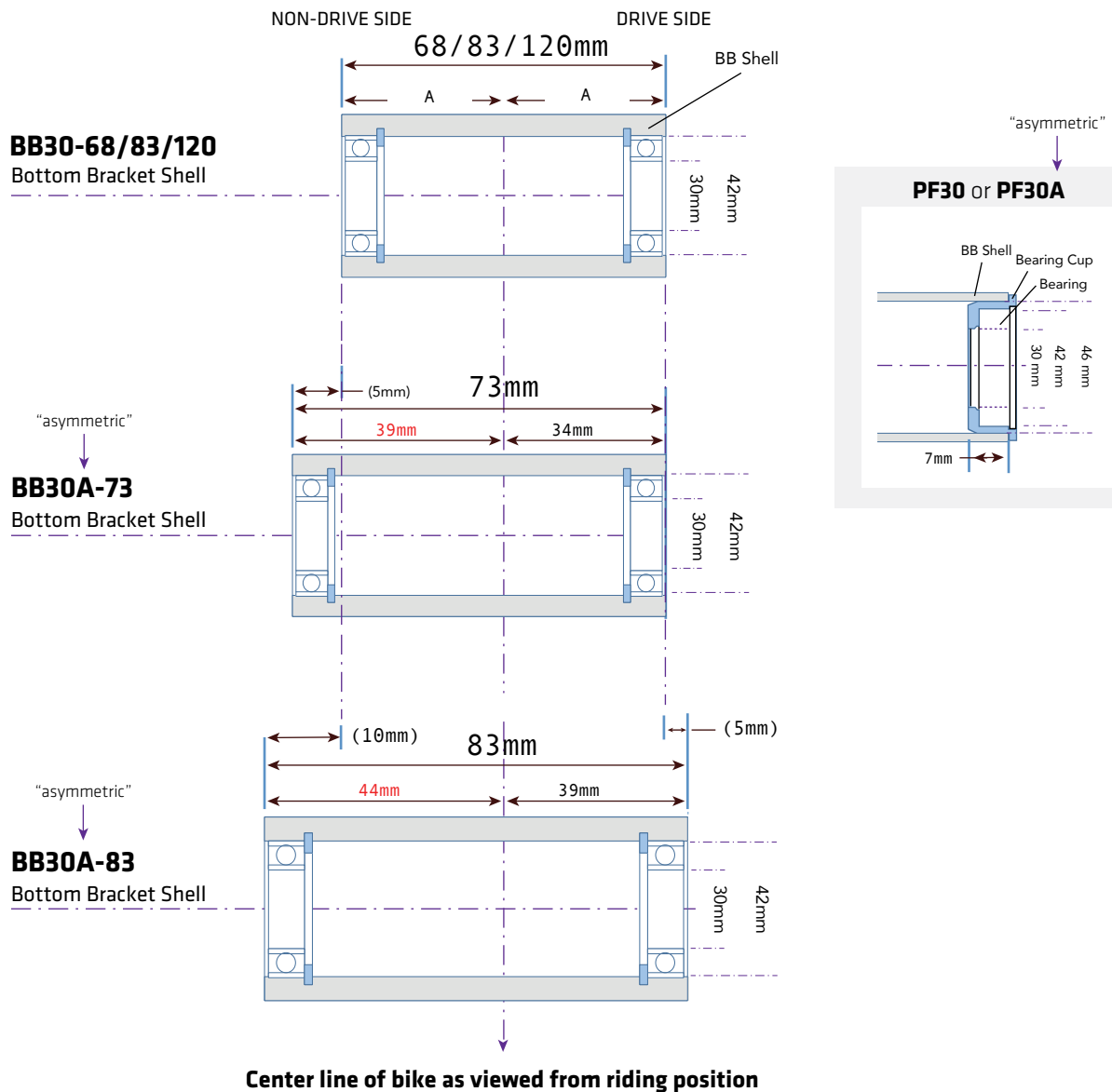
ID	Part Number	Description
A	K26018	Mavaro NEO Seat Binder
B	KP284/	Derailleur Hanger QR ST SS 028
C	KP456/	Modular Cable Guides Headtube
D	K32048	Shift And Brake Grommets
E	K25018	NEO Light Mounting Bracket
F	K34038	Bosch Battery Cover
G	K34098	Charge Port Cover
H	CP1008U10OS	Mavaro NEO Tool Box

ID	Part Number	Description
I	K11048	Mavaro NEO Rear Fender 650b
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 x 15 mm
--	HD169/	Bearings 1.56 Headset (QTY 2)

Hollowgram Cranksets & DownLow Dropper Post

Bottom Brackets

INFORMATION



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

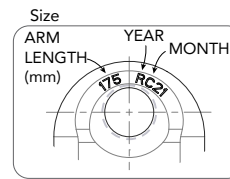
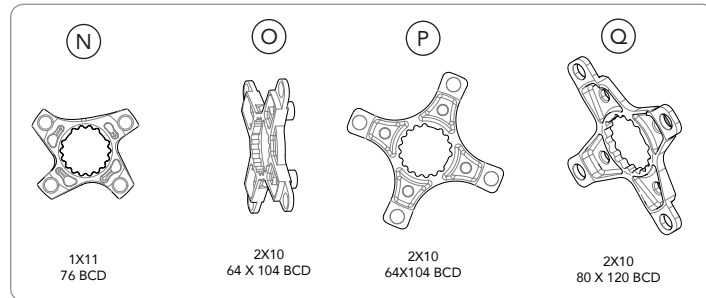
All Dimension In Millimeters (mm).

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

HollowGram MTN (2019)

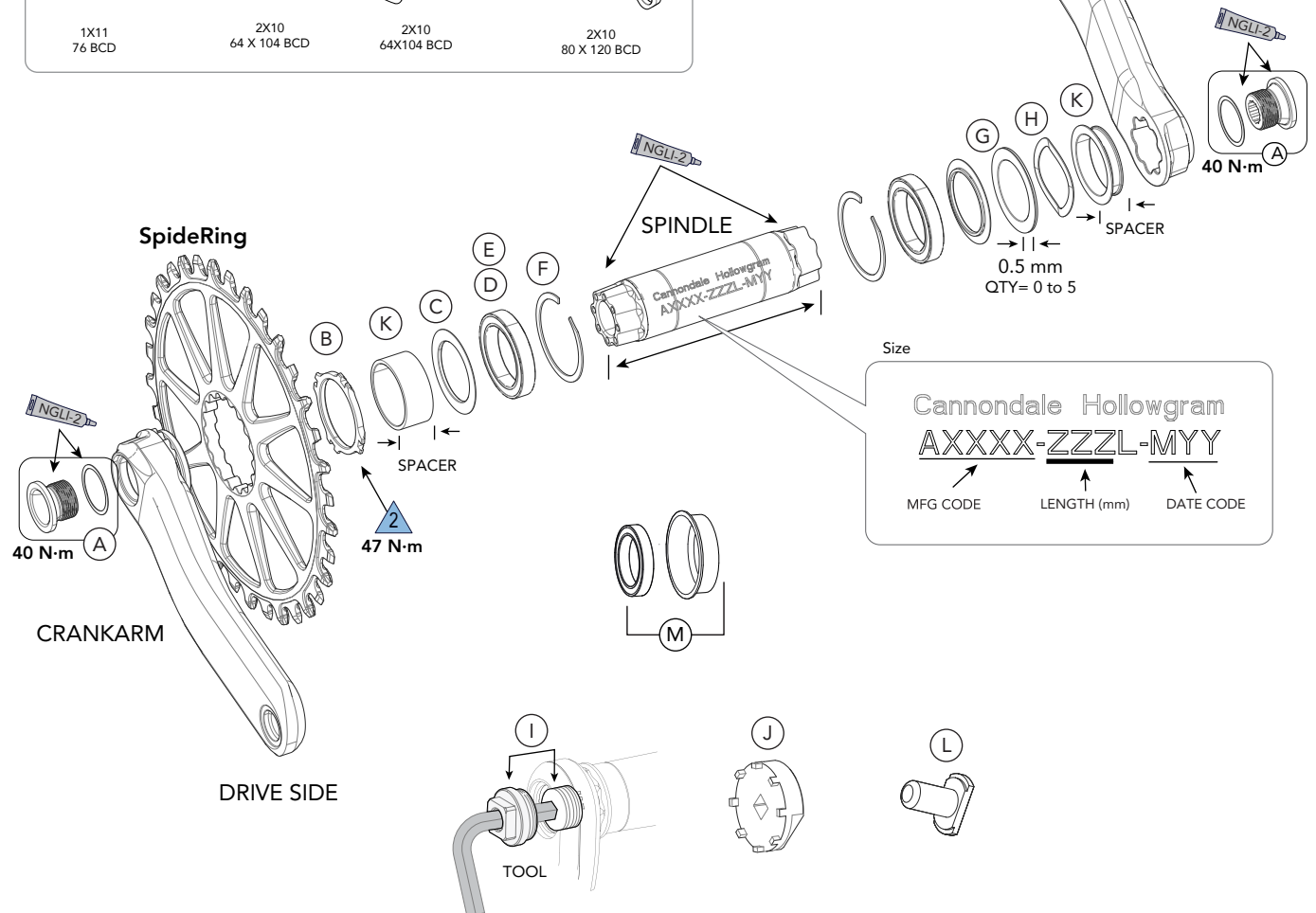
MOUNTAIN

SPIDERS



NON-DRIVE SIDE

CRANKARM



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
	KP484/X	KIT HOLLOWGRAM SPACERS CE MTN ALL without spindle

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

Complete BB Kits

Part Number	Description	2019				
		Platform	BB Type	BB Width (mm)	Spacer Width (mm) Drive Non-Drive	Standard or Ai Chainring
K22108	Complete BB/PF30 73/83 x 137	Bad Habit Carbon	PF30	83	9.1 14.1	Ai
		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
		Trigger Carbon	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 Si	Hollowgram SiSL2	Hollowgram Si	Cannondale Si
165	x	KP305/165R	KP423/165R	x	KP305/165L	KP423/165L
170	K2202770	KP305/170R	KP423/170R	K2201770	KP305/170L	KP423/170L
172.5	K2202772	KP305/172R	KP423/172R	K2201772	KP305/172L	KP423/172L
175	K2202775	KP305/175R	KP423/175R	K2201775	KP305/175L	KP423/175L

SpideRings

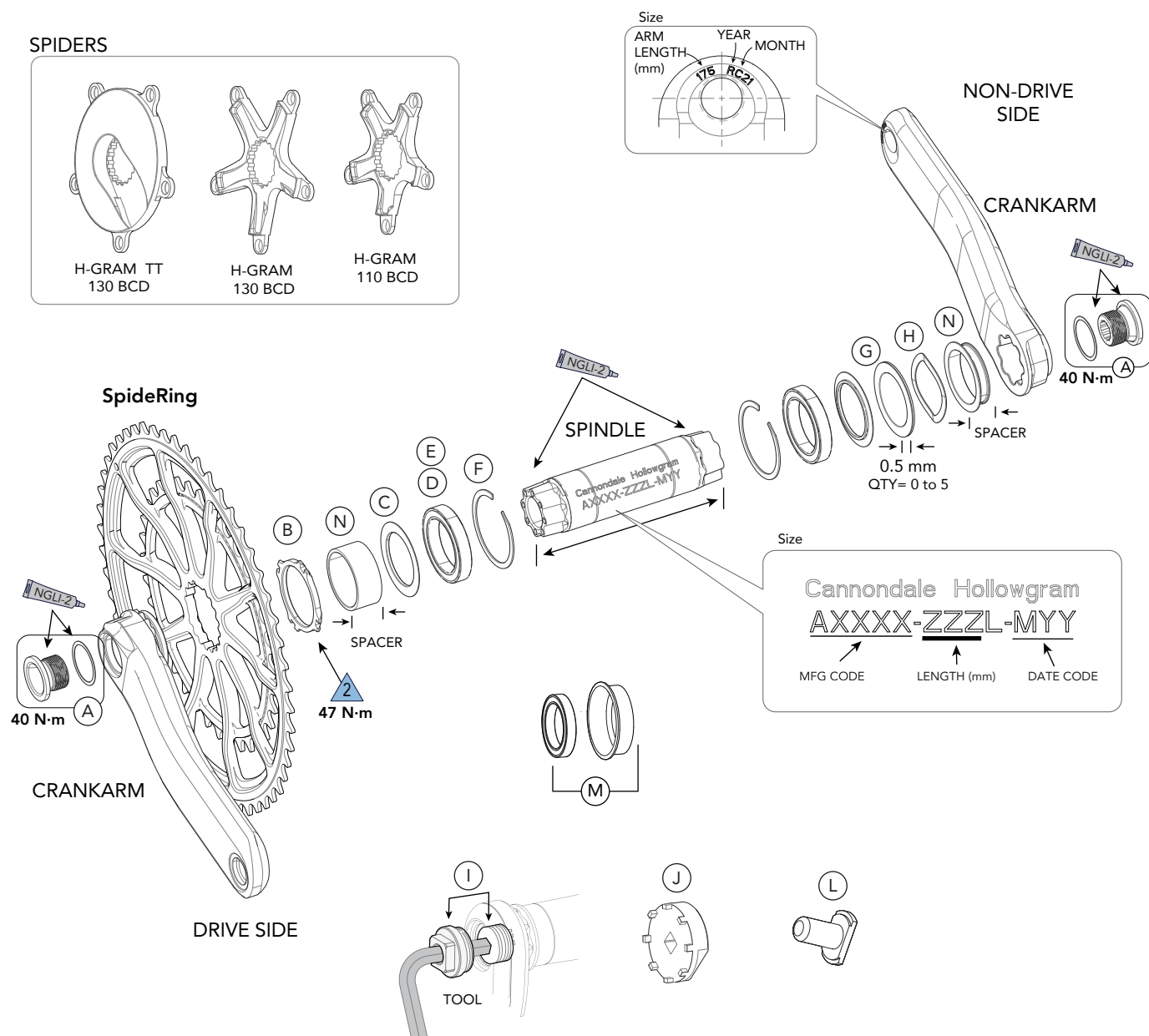
Part Number	SpideRing Ring Type	Description	Offset (mm) - / +	Arm #
CU4041SI30	30T	SpideRing SI 30T X-Sync	0	10-Arm
CU4041SI32	32T	SpideRing SI 32T X-Sync	0	10-Arm
CU4041AI30	30T 	SpideRing SI 30T X-Sync Ai Offset	+3	10-Arm
CU4041AI32	32T 	SpideRing SI 32T X-Sync Ai Offset	+3	10-Arm
CU4041AI34	34T 	SpideRing SI 34T X-Sync Ai Offset	+3	10-Arm
KP405/	30T (Fat CAAD only)	SpideRing Fat CAAD 30T	+9	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 (2019)

ROAD



Complete BB Kits

Part Number	Description	2019					
		Platform	BB Type	BB Width (mm)	Spacer Width (mm)		Standard or Ai Chaining
KP248/	Complete PF30 68/73 x 109	CAAD12	BB30A	73	2.6	2.5	Standard
		CAADX	BB30	68	2.6	7.5	Standard
		Slate	BB30A	73	2.6	2.5	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 Chaining	SuperX	PF30A	83	2.6	1X - 2.5	Standard
KP453/	Complete BB, 125,  Super X, 2X Chaining	SuperX	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 Si	Hollowgram SiSL2	Hollowgram Si	Cannondale Si
165	x	KP305/165R	KP423/165R	x	KP305/165L	KP423/165L
170	K2202770	KP305/170R	KP423/170R	K2201770	KP305/170L	KP423/170L
172.5	K2202772	KP305/172R	KP423/172R	K2201772	KP305/172L	KP423/172L
175	K2202775	KP305/175R	KP423/175R	K2201775	KP305/175L	KP423/175L

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

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

DownLow Dropper Post (2019)

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

2. Upper Tube

3. Lower Tube

4. Actuator

5. Remote Lever
6. Barrel Adjuster

7. Ferrule Ends

8. Cable Housing

9. Cable Head

10. Shifter Cable

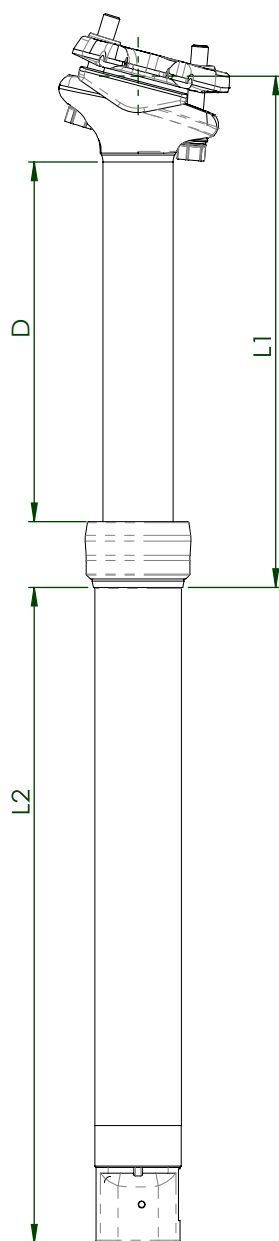
Service Kits

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

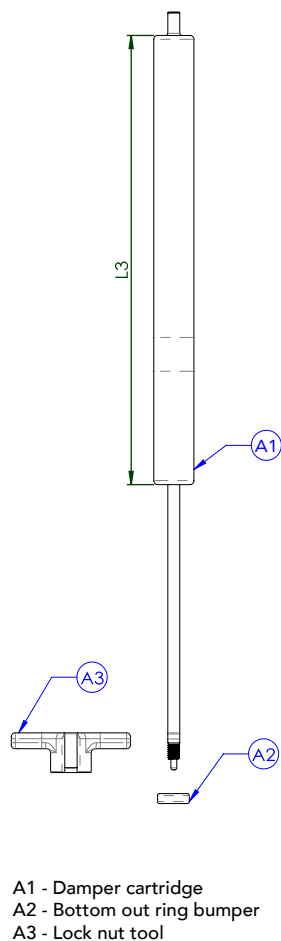


DownLow Dropper Post (2019)

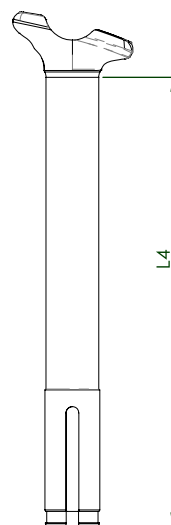
Main Dimensions



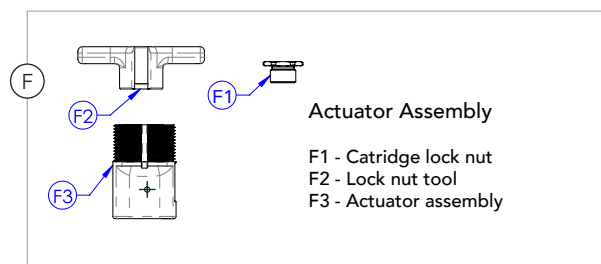
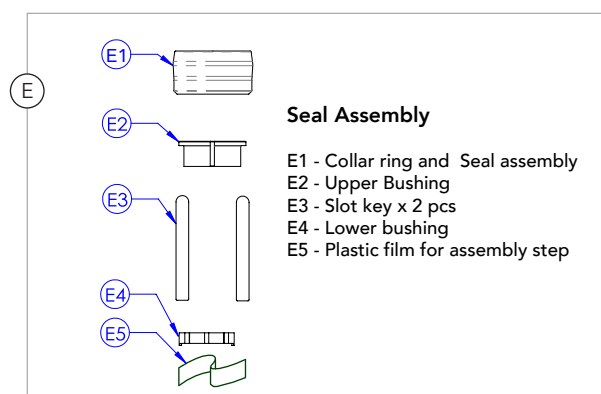
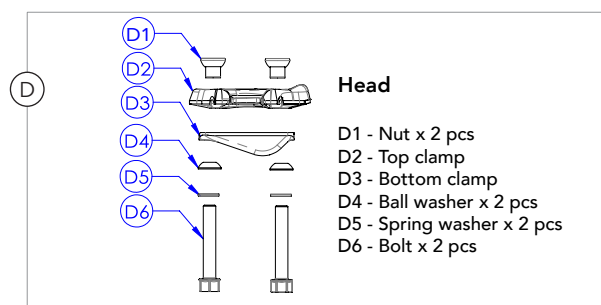
A
Damper Cartridge



B
Upper Tube



C
Lower Tube



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

WARNING

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

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Lefty, Headshok

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, Oliver, Olaf

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

Headshok DL50

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

PLEASE NOTE:

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

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

Troubleshooting

Lefty Ocho

Symptom	Cause	Solution
Front hub has side-to-side play	Tolerance variance in hub	Install 1 -3 shims from K86068 behind non-drive side bearing
Threads pulling out of Lefty Spindle	Thread insert or axle bolt is damaged	Replace thread insert with K54128 (kit of 10x thread inserts only) or KH057/ (installation tool and 10x thread inserts) Replace hub bolt with axle cap and bolt kit (KH124/)
Loss of air pressure	Damaged valve core or air seals	Perform 100 hour service replacing all air seals and valve core with K57009
Lockout blowoff is too firm or light	No issue	Leftys have a factory set lockout blow-off 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.

Troubleshooting

Lefty Oliver

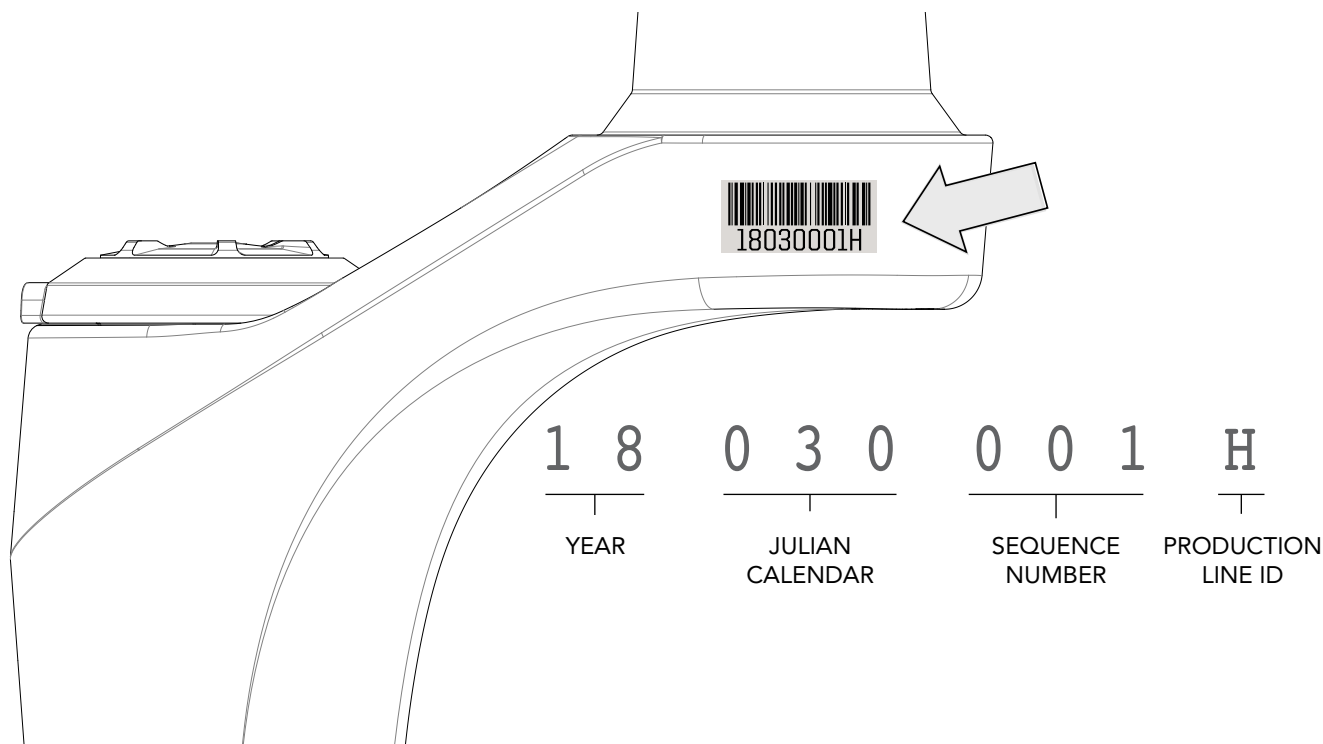
Symptom	Cause/s	Solution
Front hub has side-to-side play	Tolerance variance in hub	Install 1 -3 shims from K86068 behind non-drive side bearing
Threads pulling out of Lefty Spindle	Thread insert or axle bolt is damaged	Replace thread insert with K54128 (kit of 10x thread inserts only) or KH057/ (installation tool and 10x thread inserts)
		Replace hub bolt with axle cap and bolt kit QC117/
Loss of air pressure	Damaged valve core or air seals	Perform 100 hour service replacing all air seals and valve core with KH203/
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. Reduce volume reducers.
	Bearing migration	Bearing reset - See "Maunal Reset" page for instructions
Harsh or noisy top out	Air spring not balancing	Perform 100 hour service replacing all air seals and valve core with KH203/
	Bearing migration	Bearing reset - See "Maunal Reset" page for instructions
No lockout function with no rebound adjustment	Damper has lost oil	Service damper or replace damper
No rebound adjustment	Damper has lost oil	Service damper or replace damper
Sinking into travel during riding	Air assembly is sealing inconsistently	Perform 100 hour service replacing all air seals and valve core with KH203/
Rebounds very slowly		
Does not rebound after being compressed		
Oil leaking at wiper seal	Inner leg or wiper seal is compromised	Send to Headshok Service Center or Cannondale Factory Tech Room

Troubleshooting

Headshok DL50

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

Lefty Serial Number



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

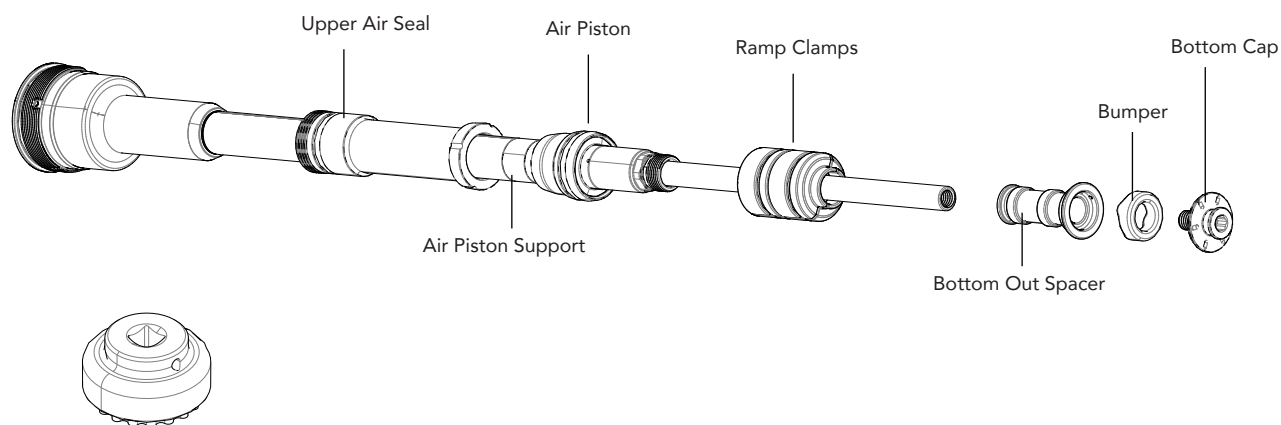
YEAR	The last two digits of the calendar year produced.
JULIAN CALENDAR	A successive number for each day of the year
SEQUENCE NUMBER	A successive independent numbers that create an individual number per fork built on the given production line that day.
PRODUCTION LINE ID	The identification part number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

In the example...

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

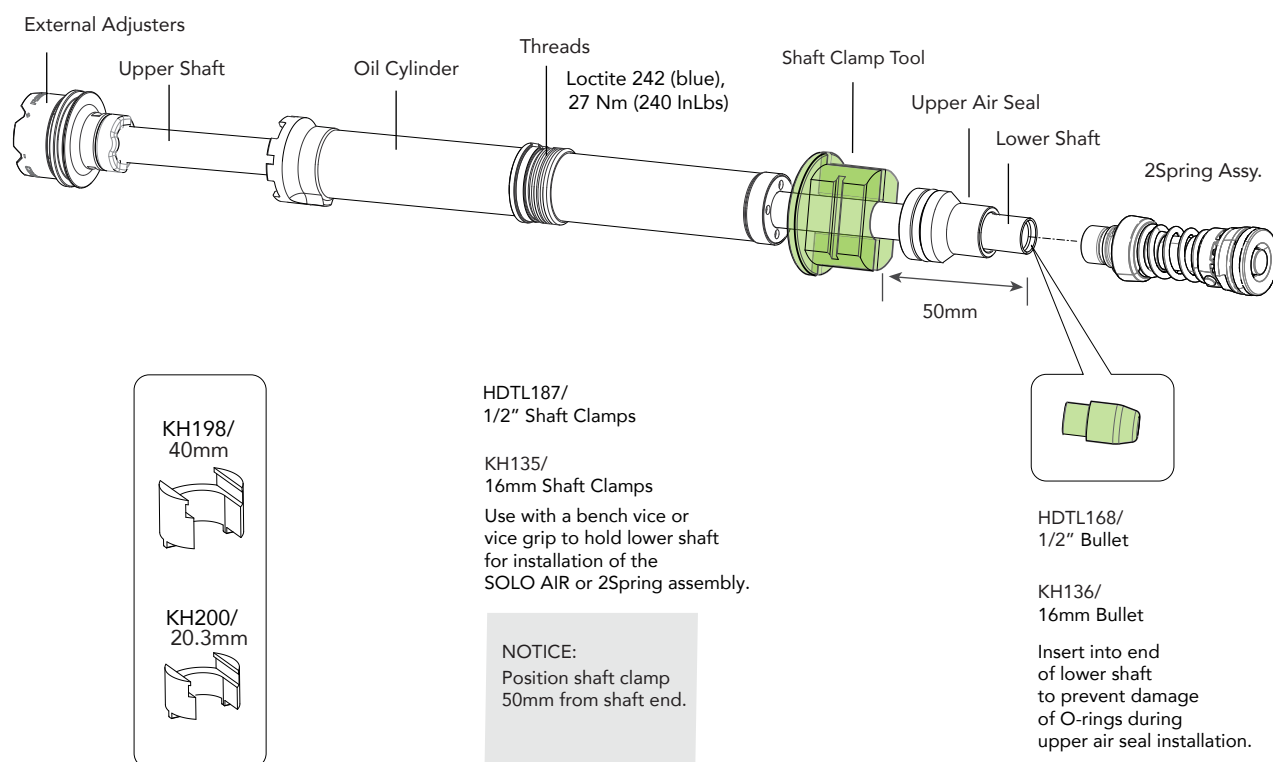
Dampers

Ocho Chamber Damper

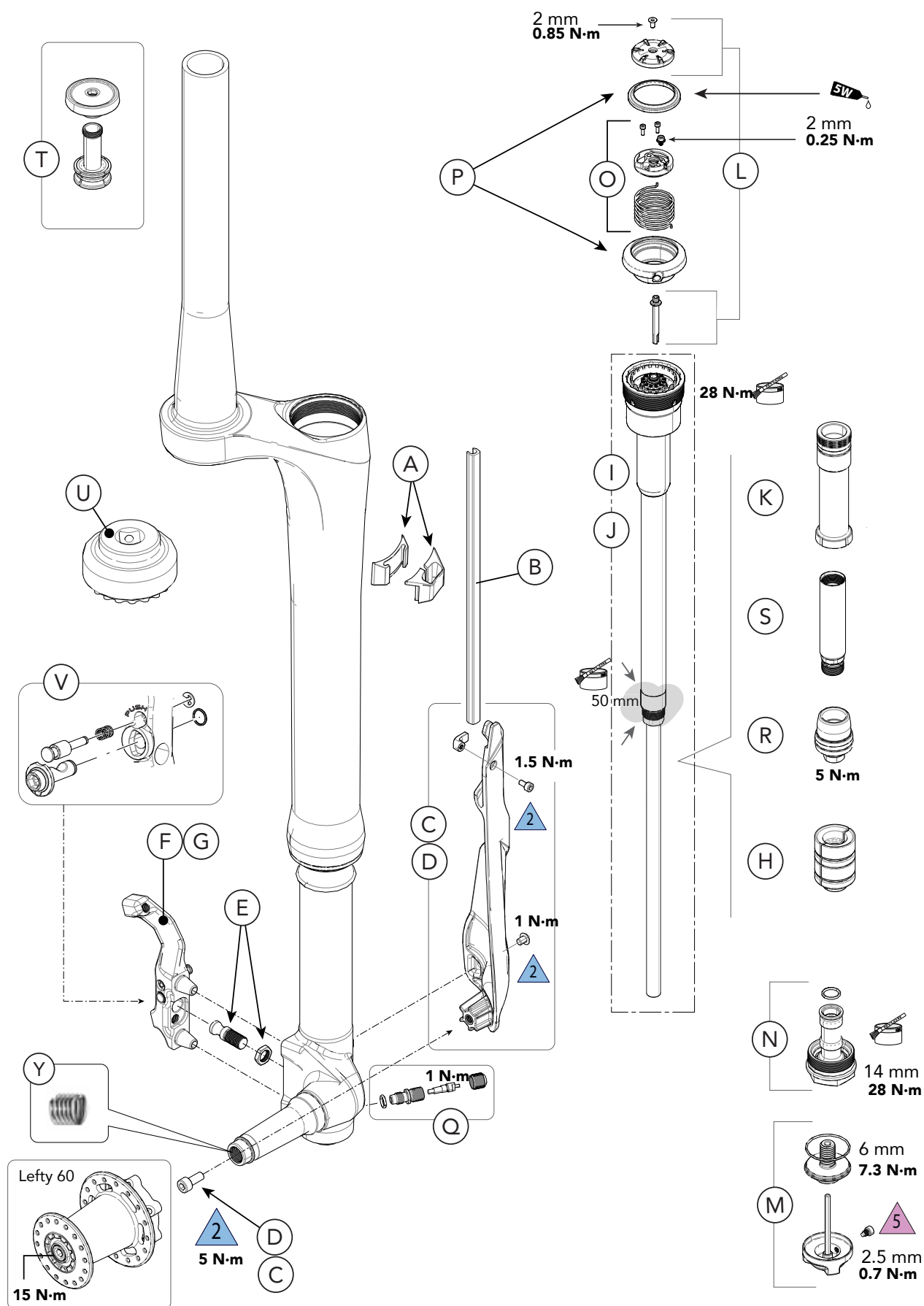


CK9108U000S - 39mm 18 Point Lefty Damper Tool

Oliver Cartridge



Lefty Ocho (2019)



Lefty Ocho (2019)

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
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
--	K54039	Lefty Delta Bearings Clean and Lube x10

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

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

Specification

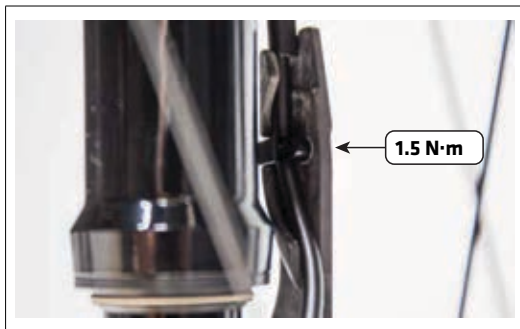
Item	Specification			
	Carbon		Alloy	
Wheel Size	27.5 in	29 in	27.5 in	29 in
External Adjustments	Air Pressure, Rebound, Compression, Lockout			
Remote Compatibility	FOX 2 POS (p/n 820-0701250, R), RockShox OneLoc			
Recommended Sag - 25%	25 mm			
Axle-to-Crown	490 mm	510 mm	490 mm	510 mm
Travel Length	100 mm			
Minimum Tire-to-Crown Clearance	3 mm			
Fork Offset	50 mm	55 mm	50 mm	55 mm
StopLock Brake 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 1.5Nm with a 2.5mm hex wrench.

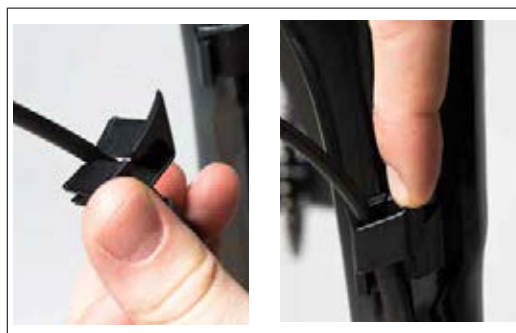


3. Check the brake hose and ensure that it does not contact the Lefty lower leg, brake rotor or wheel spokes.
 - a. If the brake hose contacts the Lefty lower leg, remove the StopLock brake mount, rotate the brake caliper 360 degrees clockwise and reinstall the brake mount.
 - b. If the brake hose contacts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

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

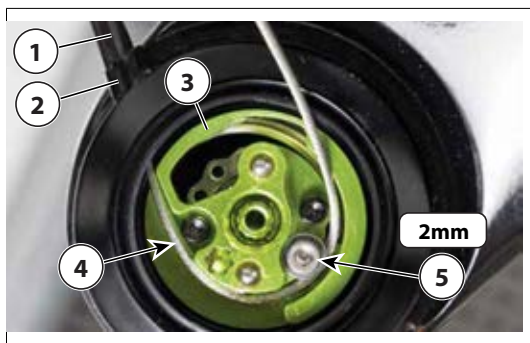


6. Insert the brake hose through the split in the back of the upper cable guide. Insert the upper cable guide into the base and push down to fully seat it.



Lefty Ocho Lockout Set Up

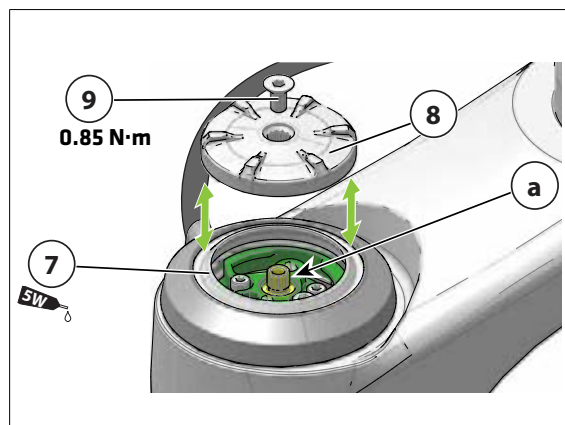
1. Cut a length of 4mm derailleur housing (1) to extend between the handlebar lockout remote lever and remote housing (2) stop. Install an inline barrel adjuster 20-30mm from the lever end.
2. Set handlebar lockout remote to descend mode.
3. Remove compression knob screw (9) and lift off the compression knob (8) to expose the lockout pulley (3).
4. At the lockout lever, feed the shift cable (4) end through to the remote housing. Pull the cable tight to seat the housing in the housing stop.
5. Loosen anchor bolt (5) and feed the cable under the bolt and in the channel as shown.



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



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.



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

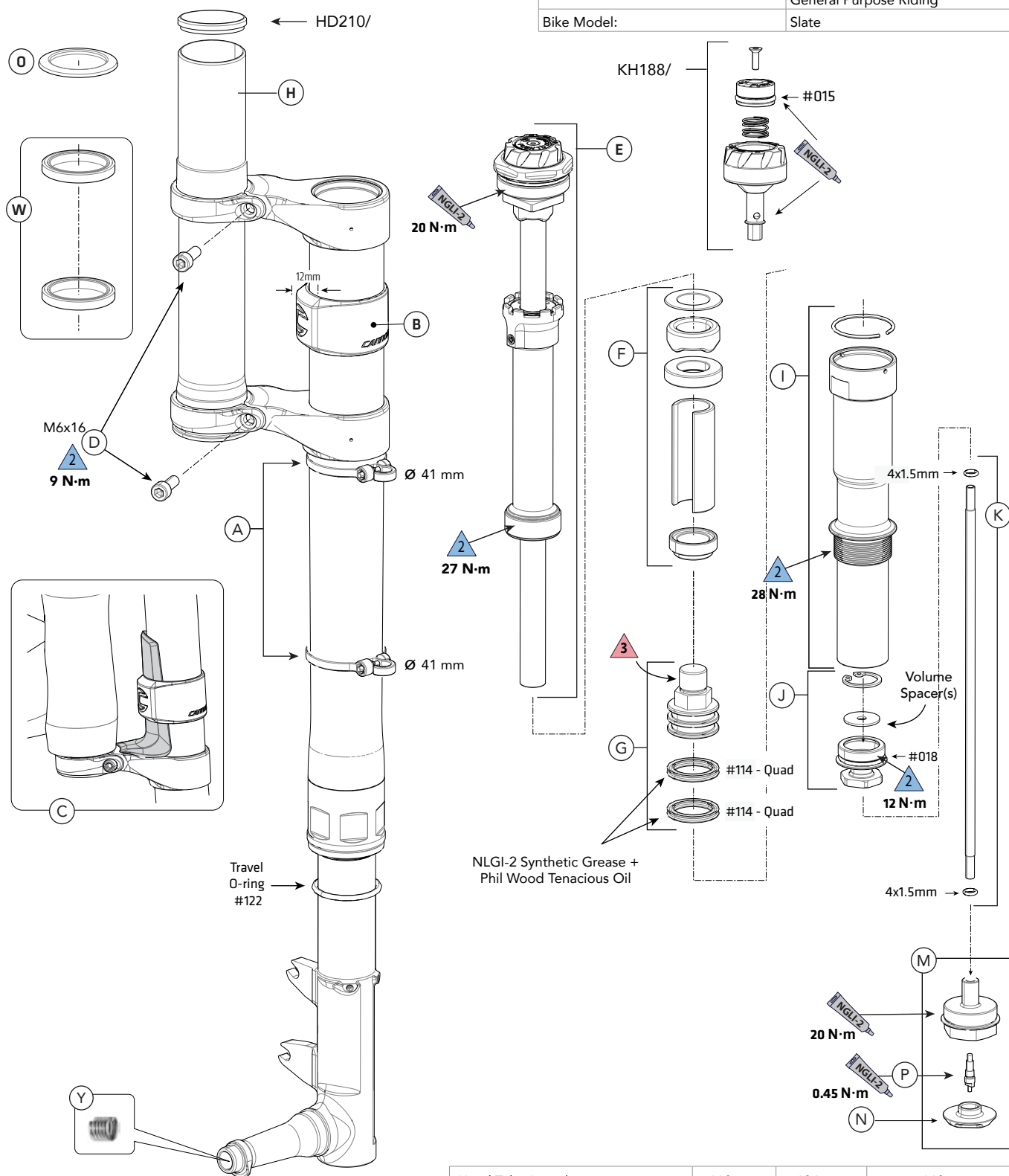
NOTICE

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

Lefty Oliver

PBR 30 650B

Recommended Sag	N/A
Travel Length	30 mm
Manual Reset Length	3 mm +/- 3
Pressure Limits	Minimum 50 psi, Maximum 250 psi
Offset	45 mm
Intended Use	ASTM CONDITION 2, General Purpose Riding
Bike Model:	Slate



Head Tube Length	110 mm	134 mm	160 mm
Air Cylinder Adapter Length (X)	70 mm	95 mm	120 mm
Air Transfer Tube Length (Y)	219.5 mm	244.2 mm	269.6 mm
Volume Spacer QTY	0	1	2
Frame Bumper Size	12 mm		

Lefty Oliver

PBR 30 650B

ID	Part Number	Structure Parts	Comment
A	CK3417U00OS	Lefty Brake Hose Guides	Contains Multiple Clamp Types/Size , Select Appropriate. Use 41 mm.
B	KH172/	Lefty Frame Bumper 12 mm	
C	KH219/01	Lefty 1.0/Oliver CRB Cable Guard	
D	LEFTYBOLTS	Lefty Caliper Clamp Bolts	
Y	K54128	Lefty Helicoils (QTY 10)	

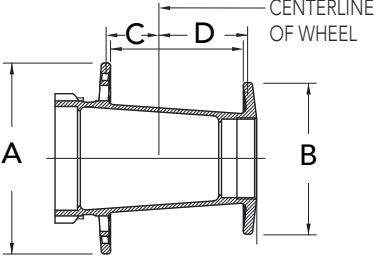
ID	Part Number	Damper And Air Spring Parts	Comment
E	KH199/	Lefty Oliver Damper PBR ORG	
F	CK3507U0063	Lefty Oliver Topout Spacers 63 mm	
G	CK3517U00OS	Lefty Oliver Air Piston	
I	CK3527U00SM	Lefty Oliver Air Cylinder Sm	
	CK3527U00MD	Lefty Oliver Air Cylinder Md	
	CK3527U00LG	Lefty Oliver Air Cylinder L/XI	
J	CK3537U00OS	Lefty Oliver Air Cap	
K	CK3547U00SM	Lefty Oliver Air Transfer Tube Sm	
	CK3547U00MD	Lefty Oliver Air Transfer Tube Md	
	CK3547U00LG	Lefty Oliver Air Transfer Tube L/XI	
L	KH203/	Lefty Oliver 100 Hr Service Seal Kit	
M	KH201/	Lefty Oliver Schrader Plug	
N	CK3487U00OS	Lefty Valve Cap	
P	KH047/	Lefty Valve Cores (QTY 10)	

ID	Part Number	Steerer And Headset Parts	Comment
H	KH193/110	Lefty Steerer L10 110	For 110 mm Headtube
	KH193/134	Lefty Steerer L10 134	For 134 mm Headtube
	KH193/160	Lefty Steerer L10 160	For 160 mm Headtube
O	QSI SEAL/	Lefty Seal Upper Bearing 58 mm O.D.	
W	HD169/	Bearings, Headset - 2	Includes 2 Bearings

ID	Part Number	Service Tools	Comment
--	KT020/	Lefty Steerer Install Tool	Install/Remove Steerer
--	KH127/	Lefty Outer Cap Tool 36 mm	Install/Remove Outer Cap
--	KH200/	Lefty Castle Slider 20.3 mm	
--	HDTL187/	Lefty Shaft Clamps 1/2 Inch BLK	
--	HDTL168/	Lefty Bullet Tool 1/2 Inch Shaft	
--	KH057/	Lefty Spindle Repair Tool	Repair Spindle Threads
--	QCTL108/	Lefty Truing Axle	
--	KH240/	Lefty Cylinder Tool 29 mm	

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

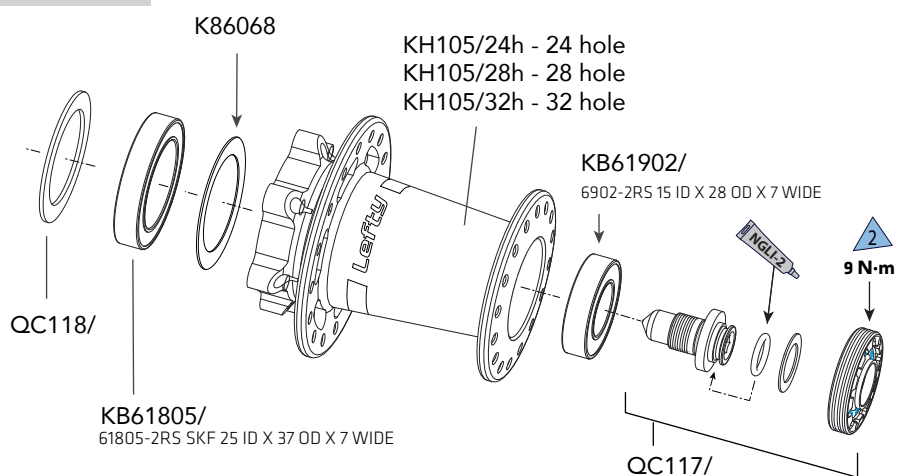
Use the table below to determine the correct LEFTY brake adapter to use with your model. Brake adapter kits are available through your Authorized Cannondale Dealer.

Part Number	Fork Platform	Hub Type	Wheel Size	Fork Offset (mm)	Rotor Size* (mm)
KH112/	Olaf	Lefty 73	26 in Fat	60	180
N/A	Oliver	Lefty 50	650b	45	160
K31019	Ocho	Lefty 60	29 in / 27.5 in	55 / 50	160
K31029	Ocho	Lefty 60	29 in / 27.5 in	55 / 50	180

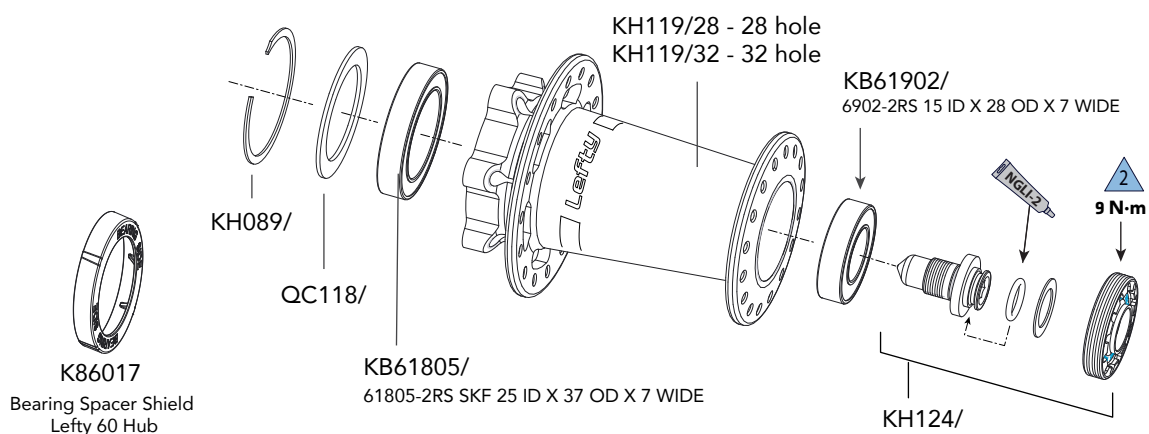
*ROTOR SIZE is the smallest size diameter brake rotor that can be used for a given model/wheel hub combination. For example, a LEFTY 2.0 adapter supports a minimum 160 mm rotor and a 140 mm cannot be used. A 180 mm may be used with a compatible 180 mm rotor adapter mounted on the LEFTY adapter.

Lefty Wheel Hubs

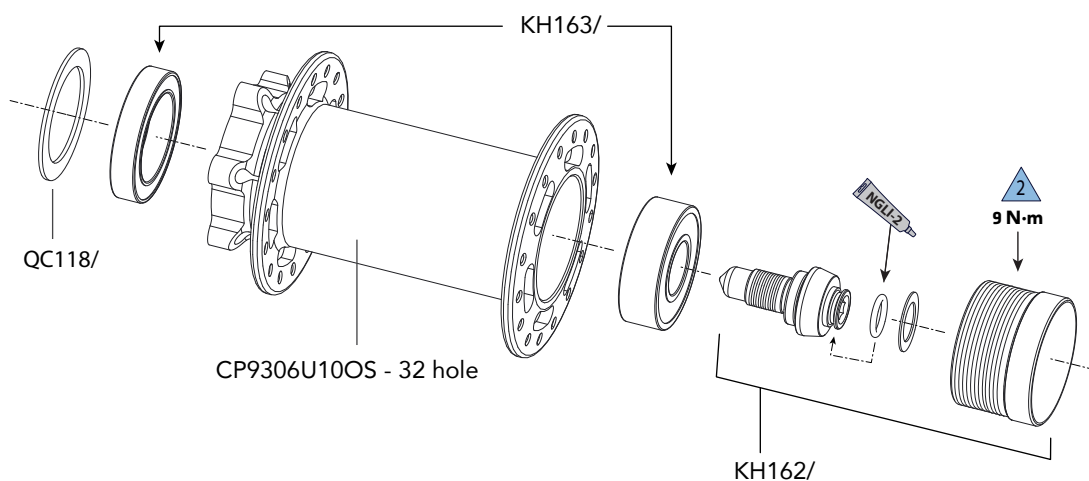
Lefty 50



Lefty 60



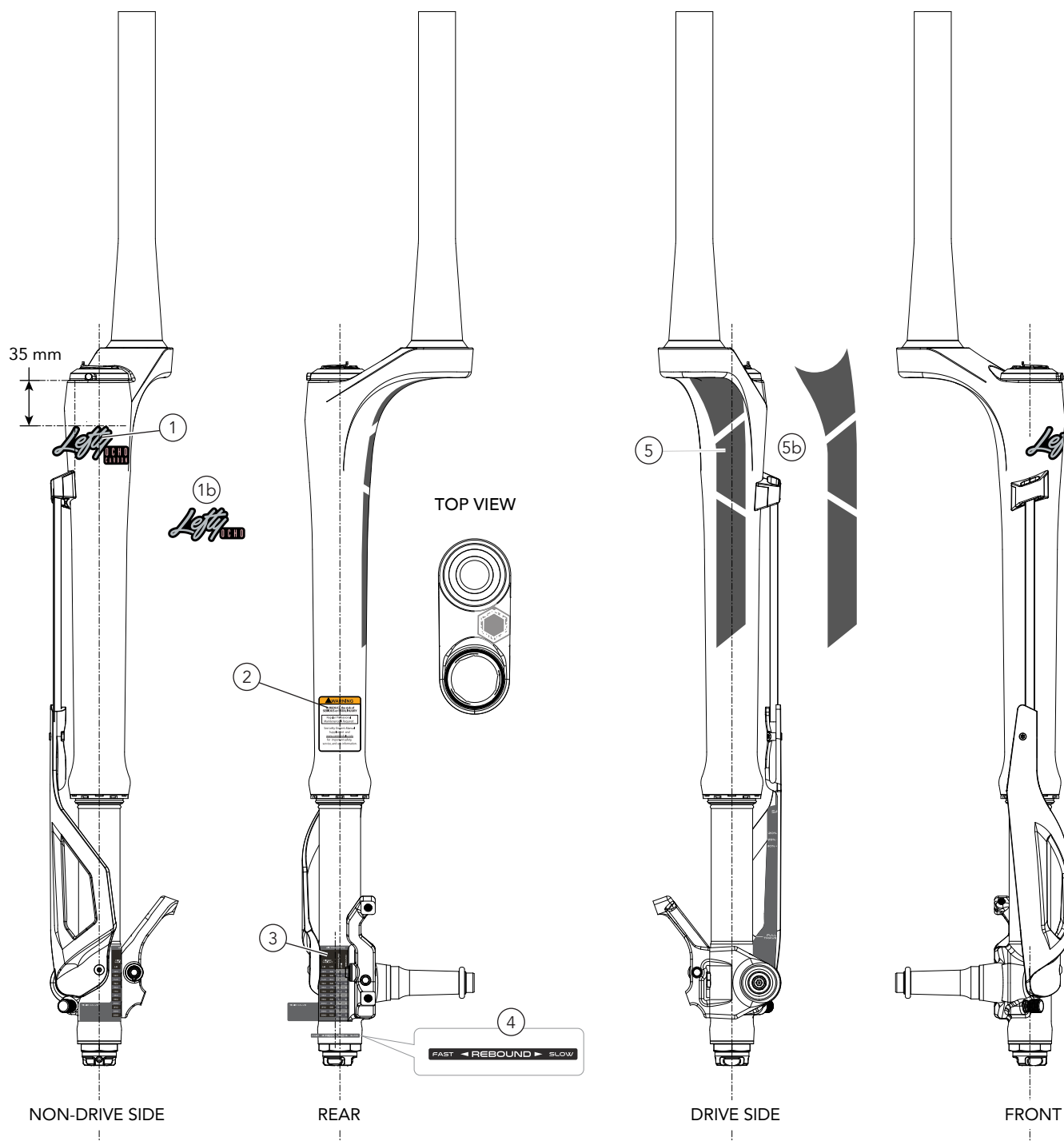
Lefty 73



Lefty Decals

Bike Model	Lefty	Part Numbers	Description
Scalpel-Si Womens CRB 1	Ocho Carbon	K15009	Lefty Decals Ocho Carbon Upper 2019 Items: 1, 5
Scalpel-Si World Cup			
Scalpel-Si Limited Edition			
Scalpel-Si HM 1		K15029	Lefty Decals Ocho Tech Info 2019 Items: 2,3,4
F-Si HM World Cup			
F-Si HM Limited Edition			
F-Si HM 1			
Scalpel-Si Womens CRB 2	Ocho Alloy	K15019	Lefty Decals Ocho Alloy Upper 2019 Items: 1b, 5b
Scalpel-Si CRB 2			
Scalpel-Si CRB 3			
Scalpel-Si CRB 4			
Scalpel-Si Al 5			
F-Si Womens CRB 2		K15029	Lefty Decals Ocho Tech Info 2019 Items: 2,3,4
F-Si CRB 2			
F-Si CRB 3			
F-Si CRB 4			
Trail NEO 1			
Slate SE Force 1	Oliver	K15049	Lefty Decals Oliver 2019
Slate SE Apex 1			
Fat CAAD 1	Olaf	K15039	Lefty Decals Olaf 2019

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 - Ocho, Oliver

Perform the following procedure with the bike on the floor.

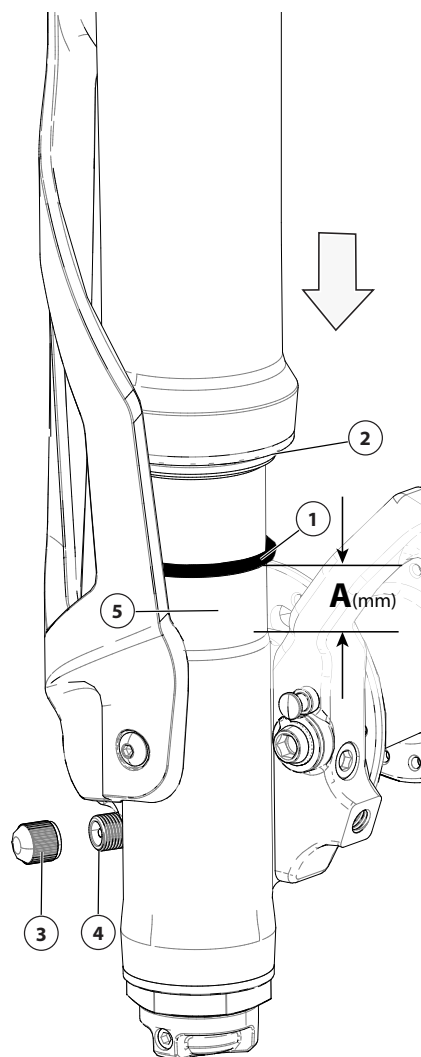
1. Slide the travel indicator o-ring (1) against the wiper seal (2).
2. Remove the valve cap (3) from the Schrader valve (4) and thread a shock pump onto the valve. Record the air pressure and use the shock pump bleed valve to deflate the Lefty.
3. Hold the shock pump bleed valve open and fully compress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

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

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

(Ocho only)

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

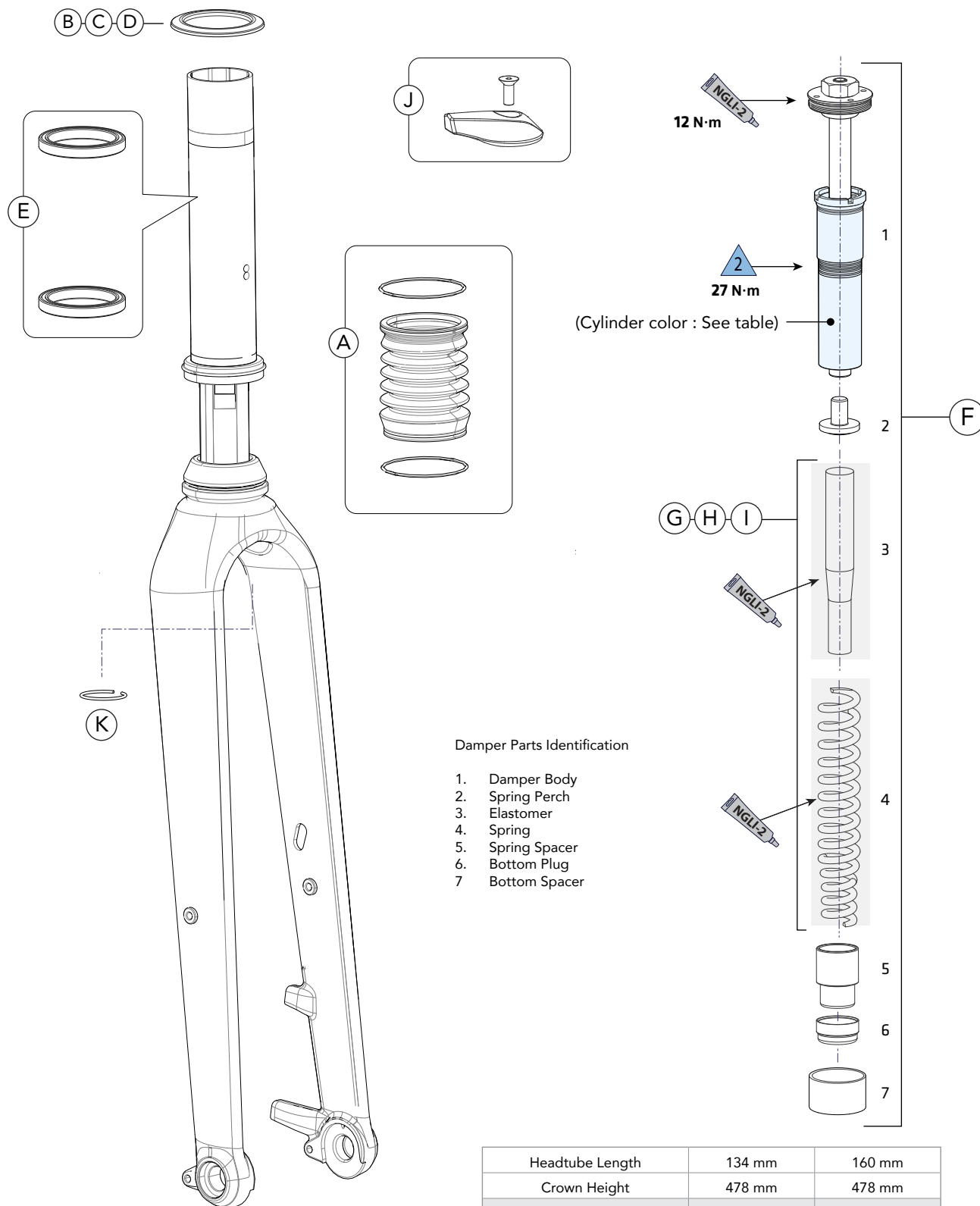


Take measurement while compressed.

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Headshok DL50

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



Headshok DL50

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)

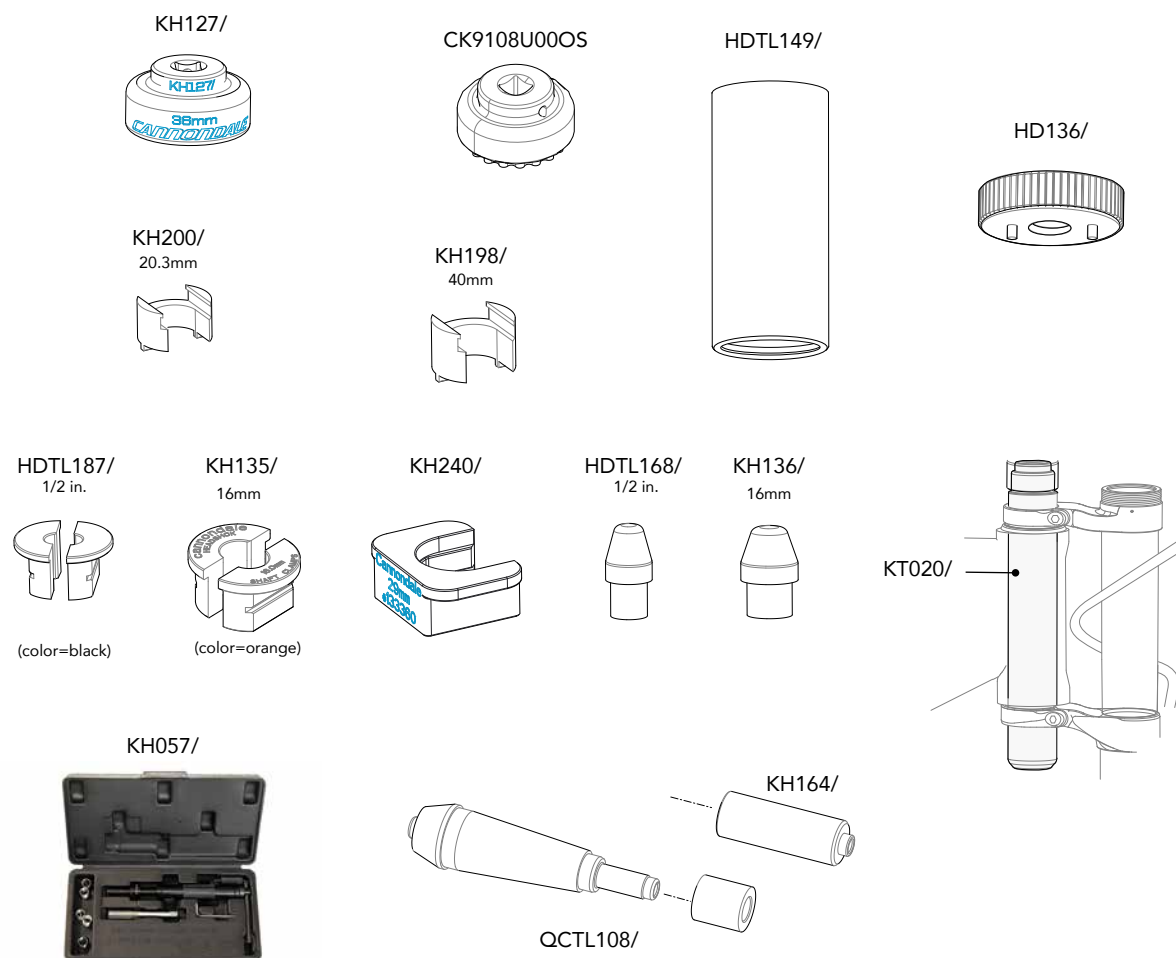
ID	Part Number	Damper And Spring Parts
F	KF239/XL	Headshok DL50 Damper XL color :GRN
G	KF241/	Headshok DL/MC50 Spring Soft color: GRN/BLK
H	KF242/	Headshok DL/MC50 Spring Standard color: GRN
I	KF243/	Headshok DL/MC50 Spring Firm color: RED
J	KF258/	Headshok Lever Lo DL80/50
--	KF236/	Headshok DL50 DL80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

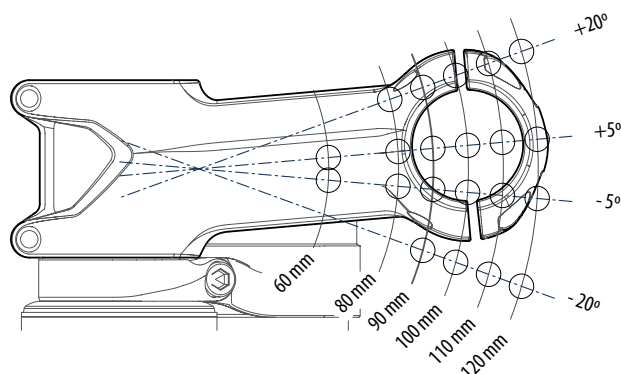
- Apply a small amount of grease to cap threads (a) and tighten to 12Nm (8.9 Ft-lbs) using Cannondale tool HD136/.
- Apply grease to entire outer diameter of spring (6) and elastomer (1).
- Apply grease to entire outer diameter of plug (2) and install using a hollow plastic rod until firmly seated.
-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

Service Tools



Part Number	Description	Use
HDTL168/	Lefty Bullet Tool 1/2 Shaft	Prevent Damage Of O-Rings During Re-Assembly Of Upper Air Seals
KH136/	Lefty Bullet Tool 16mm Shaft	Prevent Damage Of O-Rings During Re-Assembly Of Upper Air Seals
KH200/	Lefty Castle Slider 20.3mm	Oliver Damper Remove/Install
KH198/	Lefty Castle Slider 40 mm	Lefty 2.0, Supermax, Olaf Damper Removal
HDTL149/	Headshok Bearing Crown Race Install Tool	Install Headshok Headset Bearings
KT020/	Lefty Steerer Install Tool	Install Lefty Steerer Into Frame
QCTL108/	Lefty Truing Axle	Truing Of Lefty 50 Hub & Lefty 60 Hub Equipped Wheels
KH127/	Lefty Outer Cap Tool 36 mm	Removal Of Outer Cap Of Lefty 2.0, Supermax, Olaf, And Oliver
HDTL187/	Lefty Shaft Clamp 1/2 Inch BLK	Clamp Lower Shaft Of Lefty 1.0 And Oliver Damper
KH135/	Lefty Shaft Clamp 16 mm ORG	Clamp Lower Shaft Of Lefty 2.0, Supermax, And Olaf Damper
KH164/	Lefty 73 Truing Axle Need QCTL108/	Truing Of Lefty 73 Hub Equipped Wheel
KH240/	Lefty Cylinder Tool 29 mm	Lefty Oliver 100 Service, Cartidge Assembly/Disassembly And All 32 2.0 If Damper Needs To Be Changed.
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

Stems



Cannondale 1.5 in Stems

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

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<http://www.tuneyourbike.com>

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<https://project321.com/>

Rear Derailleur Hangers

List by Recent Platform/Model

For bikes not listed, please consult previous Tech Books

Platform	Model Year	Model Name	Part Number
Adventure	2019-2017	Adventure	KP284/
	2016-2011		KF051/
Althea	2018-2016	Althea	KP284/
Bad Boy	2019-2016	Bad Boy 1	CK3327U00OS
		Bad Boy 2, 3, 4	KP284/
Bad Habit	2019	Bad Habit CRB/Al	CK3257U00OS
		Bad Habit Al	
	2018-2016	Bad Habit CRB	KP381/
		Bad Habit CRB/Al	
		Bad Habit Al	
Beast of the East	2017-2016	Beast of the East	KP419/
CAAD Optimo	2019-2017	CAAD Optimo	KP255/
		CAAD Optimo Disc	
CAAD8	2016	CAAD8	KP158/, KP255/
CAAD10	2016-2011	CAAD10	KP158/
		CAAD10 Wmn	
CAAD12	2019-2016	CAAD12	KP255/
		CAAD12 Disc	
CAADX	2019-2016	CAADX	KP255/
Catalyst	2019-2016	Catalyst	KP284/
Contro	2016-2015	Contro 3,4	KP284/
Contro-E	2018-2016	Contro-E Speed	KP357/ (w/der.)
		Contro-E Rigid	CK3327U00OS (fixed)
Cujo	2019-2017	Cujo	KP284/
Cujo NEO	2019	Cujo NEO 130	CK3257U00OS
	2019-2018	Cujo NEO	KP173/

Rear Derailleur Hangers

List by Recent Platform/Model

For bikes not listed, please consult previous Tech Books

Platform	Model Year	Model Name	Part Number
Fat CAAD	2019-2016	Fat CAAD	KP173/
Foray	2019-2017	Foray	KP284/
F-Si	2019	F-Si HM F-Si CRB	K33049
	2018-2015	F-Si CRB	KP121/
		F-Si HM	
		F-Si Al	
Habit	2019	Habit CRB	CK3257U00OS
		Habit CRB/Al	
		Habit Al	
	2018-2016	Habit CRB	KP381/
		Habit CRB/Al	
		Habit Al	
Hooligan	2018-2016	Hooligan	No Hanger
Jekyll	2019-2018	Jekyll CRB	CK3257U00OS
		Jekyll CRB/Al	
		Jekyll Al	
	2017-2015	Jekyll 27.5	KP173/
Kids	2019-2018	Kids Quicks	KP284/
		Kids Trail 20 & 24	
		Kids Cujo 20 & 24	
	2017-2014	Kids Race 24	
		Kids Trail 24	
		Kids Street 24	
Kinneto	2017	Kinneto	KP284/
Law Enforcement	2017-2016	Law Enforcement	KP284/

Rear Derailleur Hangers

List by Recent Platform/Model

For bikes not listed, please consult previous Tech Books

Platform	Model Year	Model Name	Part Number
Mavaro NEO	2019	Mavaro NEO	KP284/
	2018	Mavaro NEO 1, 3	
		Mavaro NEO City 1	
		Mavaro NEO 2	K33018
		Mavaro NEO City 2	K33028
			K33038
Moterra	2019	Moterra NEO	KP173/
	2019-2017	Moterra	
		Moterra LT	
Quick	2019-2016	Quick	KP284/
Quick CRB	2018-2015	Quick CRB	KP255/
Quick CX	2019-2015	Quick CX	KP284/
Quick Speed	2016-2014	Quick Speed	KF096/
Quick NEO	2019	Quick NEO	K33049
	2018		KP284/

Rear Derailleur Hangers

List by Recent Platform/Model

For bikes not listed, please consult previous Tech Books

Platform	Model Year	Model Name	Part Number
Scarlet	2019-2018	Scarlet	KP284/
Scalpel 29	2016-2012	Scalpel 29	KP173/
Scalpel Si	2019-2017	Scalpel Si CRB	KP432/
		Scalpel Si CRB/Al	
		Scalpel Si HM	
		Scalpel Si Al	
Slate	2019	Slate	K33049
	2018-2016	Slate	KP419/
Slice	2017-2015	Slice Multsport	KP255/
SuperSix EVO	2019-2017	Supersix EVO CRB	KP395/
		Supersix EVO CRB Di2	KP396/
		Supersix EVO CRB Disc	KP395/
		Supersix EVO CRB Disc Di2	KP396/
		Supersix EVO HM	KP395/
		Supersix EVO HM Di2	KP396/
		Supersix EVO HM Disc	KP395/
		Supersix EVO HM Disc Di2	KP396/
	2016	Supersix EVO HM	KP395/
		Supersix EVO HM Di2	KP396/
	2016-2012	Supersix EVO CRB	KP158/
SuperSlice	2019	SuperSlice	CK3057U000S
SuperX	2019	SuperX	K33049
	2018-2017	SuperX	KP419/
	2016-2011	SuperX	KP158/

Rear Derailleur Hangers

List by Recent Platform/Model

For bikes not listed, please consult previous Tech Books

Platform	Model Year	Model Name	Part Number
Synapse	2019	Synapse AI Disc	KP255/
		Synapse CRB	KP158/
		Synapse CRB Disc	K33049
		Synapse HM Disc	
	2018	Synapse AI Disc	KP255/
		Synapse CRB	KP158/
		Synapse CRB Disc	KP419/
		Synapse HM Disc	
	2017	Synapse AI	KP255/
		Synapse AI Disc	
		Synapse CRB	KP158/
		Synapse CRB Disc	
		Synapse HM	
		Synapse HM Disc	
	2016-2013	Synapse AI	KP255/, KF096/
		Synapse CRB	KP158/
		Synapse CRB Disc	
		Synapse HM	
Synapse NEO	2019	Synapse NEO AI	K33049
SystemSix	2019	SystemSix HM	K33009
		SystemSix CRB	
Tandem	2018-2016	Tandem 29er	KF051/
		Tandem Road	
Tango	2019-2016	Tango	KP284/
Tesoro	2019-2018	Tesoro	KP284/
Tesoro NEO X	2019	Tesoro NEO X	KP173/
Tesoro NEO	2019-2018	Tesoro NEO	KP284/
Topstone	2019	Topstone	K33049

Rear Derailleur Hangers

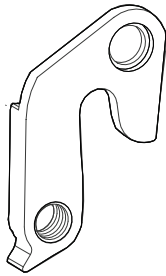
List by Recent Platform/Model

For bikes not listed, please consult previous Tech Books

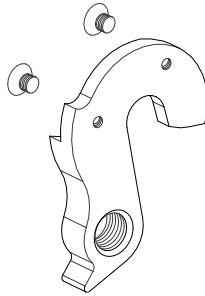
Platform	Model Year	Model Name	Part Number
Touring	2018-2016	Touring	KP048/
Trail	2019 - 2015	Trail	KP284/
Trail NEO	2019 - 2018	Trail NEO	KP173/
Trigger	2019 - 2018	Trigger CRB	CK3257U00OS
		Trigger CRB/Al	
	2017 - 2015	Trigger 27.5	KP173/

Rear Derailleur Hangers

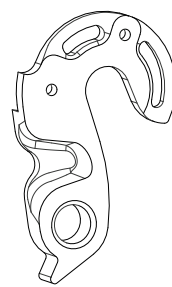
KF051/



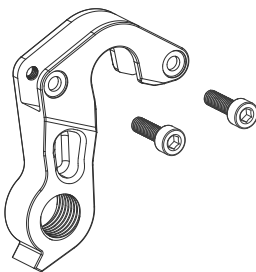
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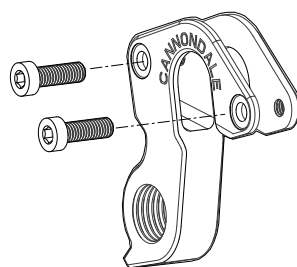
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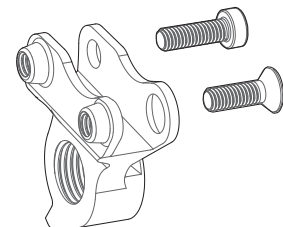
KP121/



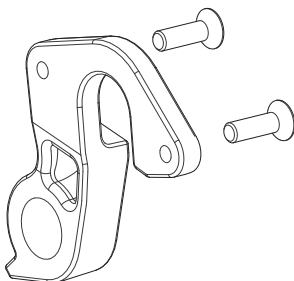
KP158/



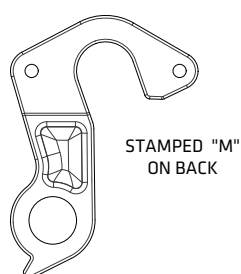
KP173



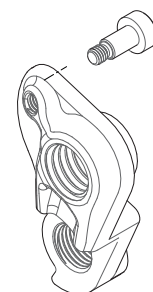
KP255/



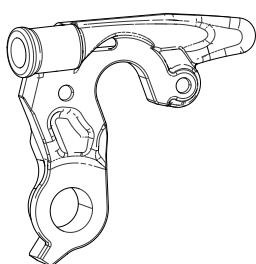
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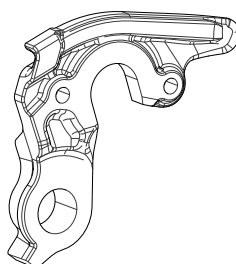
KP381/



KP395/

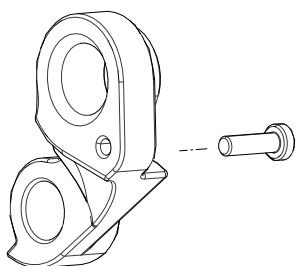


KP396/

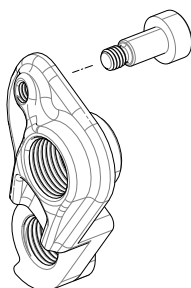


Rear Derailleur Hangers

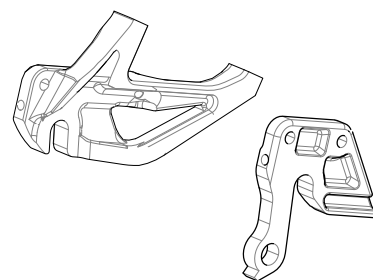
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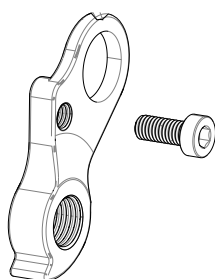
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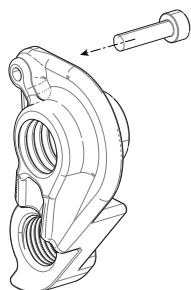
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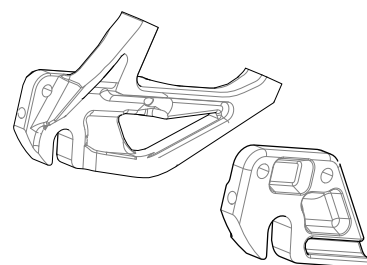
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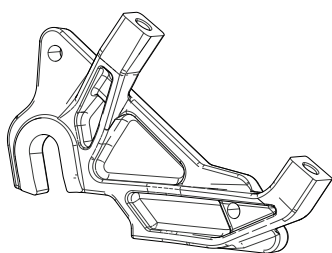
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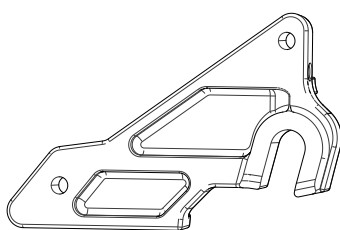
CK3327U00OS



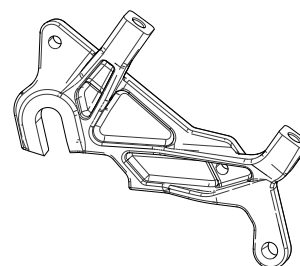
K33018



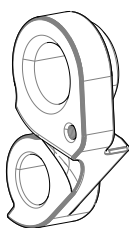
K33028



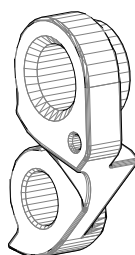
K33038



K33049 - Single Lead



K33009 - Double Lead



Freehub Bodies

Model Code	Bike Model	Hub	Part Number
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SuperSlice

C18609M	700 M SuperSlice Red eTap	FSA	Contact Hub Manufacturer
C18209M	700 M SuperSlice Ult	DT SWISS	Contact Hub Manufacturer

SystemSix

C11119M	700 M SystemSix HM D/A Di2	DT SWISS	Contact Hub Manufacturer
C11209M	700 M SystemSix HM Ult Di2	DT SWISS	Contact Hub Manufacturer
C11219M	700 M SystemSix CRB D/A	DT SWISS	Contact Hub Manufacturer
C11229M	700 M SystemSix CRB Ult	FULCRUM	K81019
C11119F	700 F SystemSix HM D/A	DT SWISS	Contact Hub Manufacturer

SuperSix EVO

C11129M	700 M S6 EVO HM D/A Di2	FULCRUM	K81019
C11139M	700 M S6 EVO HM D/A	FORMULA	KP488/
C11159M	700 M S6 EVO HM Disc Ult Di2	FORMULA	KP416/
C11279M	700 M S6 EVO HM Ult	FORMULA	KP488/
C11149M	700 M S6 EVO CRB D/A	FORMULA	KP488/
C11609M	700 M S6 EVO CRB Red eTap	FORMULA	KP488/
C11239M	700 M S6 EVO CRB Ult Race	FORMULA	KP488/
C11249M	700 M S6 EVO CRB Disc Ult	FULCRUM	K81019
C11259M	700 M S6 EVO CRB Ult	FULCRUM	K81009
C11309M	700 M S6 EVO CRB 105	FULCRUM	K81009
C11409M	700 M S6 EVO CRB Tgra	FORMULA	KP415/
C11129F	700 F S6 EVO HM D/A	FORMULA	KP488/
C11209F	700 F S6 EVO CRB Ult Race	FORMULA	KP488/
C11309F	700 F S6 EVO CRB 105	FULCRUM	K81009

CAAD 12

C13129M	700 M CAAD12 D/A	FULCRUM	K81019
C13209M	700 M CAAD12 Disc Ult	FULCRUM	K81019
C13229M	700 M CAAD12 Ult	FULCRUM	K81009
C13309M	700 M CAAD12 Disc 105	FORMULA	KP415/
C13359M	700 M CAAD12 105	FULCRUM	K81009
C13409M	700 M CAAD12 Tgra	FORMULA	KP415/
C13309F	700 F CAAD12 105	FULCRUM	K81009

CAAD Optimo

C14309M	700 M CAAD Optimo 105	FORMULA	KP415/
C14319M	700 M CAAD Optimo 105	SHIMANO	Contact Hub Manufacturer
C14409M	700 M CAAD Optimo Tgra	FORMULA	KP413/
C14509M	700 M CAAD Optimo Sora	FORMULA	KP413/
C14559M	700 M CAAD Optimo Claris	FORMULA	KP413/
C34579M	700 M CAAD Optimo Claris FB	FORMULA	KP413/

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
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Synapse

C12139M	700 M Synapse HM Disc D/A Di2	DT SWISS	Contact Hub Manufacturer
C12609M	700 M Synapse HM Disc Red eTap	DT SWISS	Contact Hub Manufacturer
C12159M	700 M Synapse HM Disc D/A	FORMULA	KP416/
C12169M	700 M Synapse CRB Disc D/A	FULCRUM	K81019
C12659M	700 M Synapse CRB Disc Red eTap	FULCRUM	K81019
C12209M	700 M Synapse CRB Disc Ult Di2	FULCRUM	K81019
C12229M	700 M Synapse CRB Disc SE Ult	FORMULA	KP415/
C12259M	700 M Synapse CRB Disc Ult	FULCRUM	K81019
C12269M	700 M Synapse CRB Ult	FULCRUM	K81009
C12309M	700 M Synapse CRB Disc SE 105	FORMULA	K81028
C12319M	700 M Synapse CRB Disc 105	FORMULA	K81028
C12429M	700 M Synapse CRB Disc Tiagra	FORMULA	K81028
C12329M	700 M Synapse CRB 105	FULCRUM	K81009
C32229M	700 M Synapse CRB Disc Ult FB	FORMULA	K81028
C32329M	700 M Synapse CRB Disc Tiagra FB	FORMULA	K81028

C12339M	700 M Synapse Al Disc SE 105	FORMULA	KP415/
C12349M	700 M Synapse Al Disc 105	FORMULA	KP415/
C12409M	700 M Synapse Al Disc Tgra	FORMULA	KP413/
C12508M	700 M Synapse Al Disc Sora	KT	K81058

C12609F	700 F Synapse HM Disc Red eTap	DT SWISS	Contact Hub Manufacturer
C12259F	700 F Synapse CRB Disc Ult Di2	FULCRUM	K81019
C12209F	700 F Synapse CRB Disc Ult	FULCRUM	K81019
C12309F	700 F Synapse CRB Disc SE 105	FORMULA	K81028
C12329F	700 F Synapse CRB Disc 105	FORMULA	K81028
C12359F	700 F Synapse Al Disc 105	FORMULA	KP415/
C12408F	700 F Synapse Al Disc Tgra	FORMULA	KP413/
C12508F	700 F Synapse Al Disc Sora	KT	K81058

SuperX

C17209M	700 M SuperX Di2	FORMULA	KP416/
C17759M	700 M SuperX SE Force 1	FORMULA	KP464/
C17259M	700 M SuperX Ult	FORMULA	KP464/
C17859M	700 M SuperX SE Apex 1	FORMULA	K81028
C17809M	700 M SuperX Apex 1	FORMULA	K81028
C17709F	700 F SuperX Force 1	FORMULA	KP464/

CAADX

C16209M	700 M CAADX Ult	FORMULA	KP415/
C16359M	700 M CAADX SE 105	FORMULA	KP415/
C16309M	700 M CAADX 105	FORMULA	KP415/
C16379M	700 M CAADX SE Tgra	FORMULA	KP413/
C16409M	700 M CAADX Tgra	FORMULA	KP413/

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
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TopStone

C15309M	700 M Topstone Disc SE Apex	FORMULA	K81028
C15509M	700 M Topstone Disc SE 105	FORMULA	K81028
C15909M	700 M Topstone Disc SE Sora	FORMULA	K81028

Slate

C15709M	650 M Slate SE Force 1	FORMULA	K81028
C15809M	650 M Slate SE Apex 1	FORMULA	K81028

Jekyll

C21109M	27.5 M Jekyll CRB 1	DT SWISS	Contact Hub Manufacturer
C21309M	27.5 M Jekyll CRB/AI 2	SRAM	Contact Hub Manufacturer
C21509M	27.5 M Jekyll AI 3	FORMULA	KP460/
C21209M	29 M Jekyll CRB/AI 1	SRAM	Contact Hub Manufacturer
C21359M	29 M Jekyll CRB/AI 2	SRAM	Contact Hub Manufacturer
C21409M	29 M Jekyll CRB/AI 3	FORMULA	KP460/
C21109F	27.5 F Jekyll CRB/AI 1	FORMULA	KP460/

Trigger

C22159M	27.5 M Trigger CRB 1	DT SWISS	Contact Hub Manufacturer
C22209M	27.5 M Trigger CRB/AI 2	SRAM	Contact Hub Manufacturer
C22309M	27.5 M Trigger CRB/AI 3	FORMULA	KP460/

Habit / Bad Habit

C23159M	29 M Habit CRB 1	SHIMANO	Contact Hub Manufacturer
C23209M	29 M Habit CRB 2	DT SWISS	Contact Hub Manufacturer
C23309M	29 M Habit CRB 3	FORMULA	KP460/
C23409M	29 M Habit AI 4	FORMULA	KP460/
C23509M	29 M Habit AI 5	SHIMANO	Contact Hub Manufacturer
C23609M	29 M Habit AI 6	SHIMANO	Contact Hub Manufacturer
C23109F	27.5/29 F Habit CRB 1	FORMULA	KP460/
C23209F	27.5/29 F Habit AI 2	SHIMANO	Contact Hub Manufacturer
C23309F	27.5/29 F Habit AI 3	SHIMANO	Contact Hub Manufacturer
C28159M	27.5+ M Bad Habit CRB 1	FORMULA	KP460/
C28209M	27.5+ M Bad Habit AI 2	SHIMANO	Contact Hub Manufacturer

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
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Scalpel Si

C24129M	27.5/29 M Scalpel Si HM World Cup	DT SWISS	Contact Hub Manufacturer
C24139M	29 M Scalpel Si Limited Edition	DT SWISS	Contact Hub Manufacturer
C24159M	29 M Scalpel Si HM 1	DT SWISS	Contact Hub Manufacturer
C24209M	29 M Scalpel Si CRB 2	DT SWISS	Contact Hub Manufacturer
C24309M	29 M Scalpel Si CRB 3	DT SWISS	Contact Hub Manufacturer
C24359M	27.5/29 M Scalpel Si CRB SE	FORMULA	K81039
C24409M	27.5/29 M Scalpel Si CRB 4	FORMULA	KP461/
C24509M	27.5/29 M Scalpel Si Al 5	FORMULA	KP459/
C24609M	27.5/29 M Scalpel Si Al 6	FORMULA	KP459/
C24109F	27.5 F Scalpel Si CRB 1	DT SWISS	Contact Hub Manufacturer
C24209F	27.5/29 F Scalpel Si CRB 2	FORMULA	KP461/

F-Si

C25129M	29 M F-Si HM World Cup	DT SWISS	Contact Hub Manufacturer
C25139M	29 M F-Si HM Limited Edition	DT SWISS	Contact Hub Manufacturer
C25159M	29 M F-Si HM 1	DT SWISS	Contact Hub Manufacturer
C25209M	29 M F-Si CRB 2	DT SWISS	Contact Hub Manufacturer
C25309M	29 M F-Si CRB 3	NOTUBES	Contact Hub Manufacturer
C25409M	29 M F-Si CRB 4	FORMULA	KP459/
C25509M	29 M F-Si CRB 5	FORMULA	KP459/
C25209F	27.5/29 F F-Si CRB 2	FORMULA	KP459/

Fat CAAD

C28109M	26 M Fat CAAD 1	SUNRINGLE	Contact Hub Manufacturer
C28229M	26 M Fat CAAD 2	SUNRINGLE	Contact Hub Manufacturer

Cujo

C26158M	27.5+ M Cujo 1	FORMULA	KP413/
C26209M	27.5+ M Cujo 2	FORMULA	KP413/
C26309M	27.5+ M Cujo 3	FORMULA	KP413/

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
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Trail

C26108F	27.5+ F Trail Scarlet 1	FORMULA	KP413/
C26109M	27.5/29 M Trail 1	FORMULA	KP413/
C26238M	27.5/29 M Trail 2	FORMULA	KP413/
C26308M	27.5/29 M Trail 3	FORMULA	KP413/
C26438M	27.5/29 M Trail 4	FORMULA	KP413/
C26538M	27.5/29 M Trail 5	FORMULA	KP413/
C26609M	27.5/29 M Trail 6	FORMULA	KP413/
C26709M	27.5/29 M Trail 7	FORMULA	KP413/
C26159F	27.5 F Trail 1	FORMULA	KP413/
C26259F	27.5 F Trail 2	FORMULA	KP413/
C26309F	27.5 F Trail 3	FORMULA	KP413/
C26409F	27.5 F Trail 4	FORMULA	KP413/
C26109F	27.5 F Trail Tango 1	FORMULA	KP413/
C26209F	27.5 F Trail Tango 2	FORMULA	KP413/
C26359F	27.5 F Trail Tango 3	FORMULA	KP413/
C26459F	27.5 F Trail Tango 4	FORMULA	KP413/

Catalyst

C29109M	27.5 M Catalyst 1	FORMULA	KP413/
C29209M	27.5 M Catalyst 2	FORMULA	N/A
C29309M	27.5 M Catalyst 3	MODUS	N/A

Foray

C29109F	27.5 F Foray 1	FORMULA	KP413/
C29209F	27.5 F Foray 2	FORMULA	N/A
C29309F	27.5 F Foray 3	MODUS	N/A

Moterra / Moterra NEO

C65129M	27.5+ M Moterra 1	FORMULA	K81048
C65149M	27.5+ M Moterra NEO 1	FORMULA	KP414/
C65329M	27.5+ M Moterra 2	FORMULA	KP414/
C65249M	27.5+ M Moterra NEO 2	FORMULA	K81048
C65349M	27.5+ M Moterra NEO 3	FORMULA	K81048
C65148M	27.5+ M Moterra SE US	FORMULA	K81048
C65109M	27.5 M Moterra LT 1	FORMULA	KP414/
C65259M	27.5 M Moterra LT 2	FORMULA	KP414/

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
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Cujo NEO

C61109M	27.5+ M Cujo NEO 130 1	SHIMANO	Contact Hub Manufacturer
C61209M	27.5+ M Cujo NEO 130 2	SHIMANO	Contact Hub Manufacturer
C61309M	27.5+ M Cujo NEO 130 3	SHIMANO	Contact Hub Manufacturer
C61459M	27.5+ M Cujo NEO 130 4	SHIMANO	Contact Hub Manufacturer
C61409F	27.5+ F Cujo NEO 130 4	SHIMANO	Contact Hub Manufacturer
C61159M	27.5+ M Cujo NEO 1	SHIMANO	Contact Hub Manufacturer

Trail NEO

C61119M	29 M Trail NEO 1	SHIMANO	Contact Hub Manufacturer
C61259M	29 M Trail NEO 2	SHIMANO	Contact Hub Manufacturer

Trail NEO X

C61439M	29 M Trail NEO X	SHIMANO	Contact Hub Manufacturer
C61339M	29 M Trail NEO X 2	SHIMANO	Contact Hub Manufacturer
C61239M	29 M Trail NEO X 1	SHIMANO	Contact Hub Manufacturer
C61139M	29 M Trail NEO X Speed	SHIMANO	Contact Hub Manufacturer

Synapse NEO

C67179M	700 M Synapse NEO AI 1	VISION	Contact Hub Manufacturer
C67279M	700 M Synapse NEO AI 2	FORMULA	KP464/
C67379M	700 M Synapse NEO AI 3	FORMULA	KP459/
C67479M	700 M Synapse NEO AI SE	FORMULA	KP459/

Quick NEO

C63279M	700 M Quick NEO	FORMULA	KP459/
C63179M	700 M Quick NEO Tourer	FORMULA	KP459/

Mavaro NEO

C64609U	700 U Mavaro Active City	SHIMANO	Contact Hub Manufacturer
C64457U	700 U Mavaro City Performance 4	SHIMANO	Contact Hub Manufacturer
C64457M	700 M Mavaro Performance 4	SHIMANO	Contact Hub Manufacturer
C64509M	27.5 M Mavaro NEO 2	SHIMANO	Contact Hub Manufacturer
C64159U	27.5 U Mavaro NEO City	SHIMANO	Contact Hub Manufacturer
C64109U	27.5 U Mavaro NEO City 1	SHIMANO	Contact Hub Manufacturer
C64509U	27.5 U Mavaro NEO City 2	SHIMANO	Contact Hub Manufacturer
C64609M	700 M Mavaro Active Men	SHIMANO	Contact Hub Manufacturer

Tesoro NEO

C66109M	700 M Tesoro NEO 1	SHIMANO	Contact Hub Manufacturer
C66209M	700 M Tesoro NEO 2	SHIMANO	Contact Hub Manufacturer
C66109F	700 F Tesoro NEO 1	SHIMANO	Contact Hub Manufacturer
C66209F	700 F Tesoro NEO 2	SHIMANO	Contact Hub Manufacturer

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
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Bad Boy

C33109M	27.5 M Bad Boy 1	SHIMANO	Contact Hub Manufacturer
C33209M	27.5 M Bad Boy 2	FORMULA	KP413/
C33309M	27.5 M Bad Boy 3	FORMULA	KP413/

Quick

C31138M	700 M Quick CX 1	FORMULA	KP413/
C31239M	700 M Quick CX 2	FORMULA	KP413/
C31337M	700 M Quick CX 3	FORMULA	KP413/
C31437M	700 M Quick CX 4	FORMULA	KP413/
C31138F	650/700 F Quick Althea 1	FORMULA	KP413/
C31238F	650/700 F Quick Althea 2	FORMULA	KP413/
C31338F	650/700 F Quick Althea 3	FORMULA	KP413/
C31109M	700 M Quick Disc 1	FORMULA	KP415/
C31209M	700 M Quick Disc 2	FORMULA	KP413/
C31309M	700 M Quick Disc 3	FORMULA	KP413/
C31409M	700 M Quick Disc 4	FORMULA	KP413/
C31559M	700 M Quick Disc 5	FORMULA	KP413/
C31569M	700 M Quick Disc LTD	FORMULA	KP413/
C31659M	700 M Quick 6	KT	K81058
C31709M	700 M Quick 7	KT	K81058
C31809M	700 M Quick 8	KT	N/A
C31109F	700 F Quick Disc 1	FORMULA	KP415/
C31209F	700 F Quick Disc 2	FORMULA	KP413/
C31309F	700 F Quick Disc 3	FORMULA	KP413/
C31409F	700 F Quick Disc 4	FORMULA	KP413/
C31559F	700 F Quick Disc 5	FORMULA	KP413/
C31659F	700 F Quick 6	KT	K81058
C31709F	700 F Quick 7	KT	K81058
C31819F	700 F Quick 8	KT	N/A

Tesoro

C35109M	700 M Tesoro 1	SHIMANO	Contact Hub Manufacturer
C35209M	700 M Tesoro 2	SHIMANO	Contact Hub Manufacturer
C35109U	700 U Tesoro Mixte 1	SHIMANO	Contact Hub Manufacturer
C35209U	700 U Tesoro Mixte 2	SHIMANO	Contact Hub Manufacturer

Freehub Bodies

Model Code	Bike Model	Hub	Part Number
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Adventure

C32109M	700 M Adventure 1	KT	K81058
C32209M	700 M Adventure 2	KT	K81058
C32309M	700 M Adventure 3	KT	N/A
C32109F	700 F Adventure 1	KT	K81058
C32209F	700 F Adventure 2	KT	K81058
C32309F	700 F Adventure 3	KT	N/A

Kids Bikes

C51408F	12 F Kids Trail 1	FALCON	N/A
C51408M	12 M Kids Trail 1	FALCON	N/A
C51308F	16 F Kids Trail FW	YONG QI	N/A
C51168F	16 F Kids Trail SS	FALCON	N/A
C51318M	16 M Kids Trail FW	YONG QI	N/A
C51168M	16 M Kids Trail SS	FALCON	N/A
C51258F	20 F Kids Quick	KT	K81068
C51218F	20 F Kids Trail	KT	N/A
C51228F	20 F Kids Trail SS	FALCON	N/A
C51208M	20 M Kids Quick	KT	K81068
C51218M	20 M Kids Trail	KT	N/A
C51228M	20 M Kids Trail SS	FALCON	N/A
C51258U	20+ U Cujo	FORMULA	N/A
C51428F	24 F Kids Quick	KT	K81068
C51278F	24 F Kids Trail	FORMULA	KP413/
C51428M	24 M Kids Quick	KT	K81068
C51268M	24 M Kids Trail	FORMULA	KP413/
C51248U	24+ U Cujo	FORMULA	KP413/
C56109U	24+ U Cujo LTD	FORMULA	KP413/

Hollowgram Wheel Specs

Hollowgram Wheel Model	Wheel	Spoke Count	Spoke Type	Rim Width (mm)		Rim Type	
				EXT	INT		
30 Carbon Clincher 27.5	FT	28	HGRM DBL- Butted, Straight Pull, Round	35	30	Tubeless - ready clincher	
	RR	28	HGRM DBL- Butted, Straight Pull, Round	35	30	Tubeless - ready clincher	
23 Si Carbon Clincher 29	FT	28	HGRM DBL-Butted, Straight Pull, Round	29	23	Tubeless - ready clincher	
	RR	28	HGRM DBL- Butted, Straight Pull, Round	29	23	Tubeless - ready clincher	
23 Si Carbon Clincher 27.5	FT	28	HGRM DBL- Butted, Straight Pull, Round	29	23	Tubeless - ready clincher	
	RR	28	HGRM DBL- Butted, Straight Pull, Round	29	23	Tubeless - ready clincher	
23 Si Carbon Clincher 29 Boost	FT	28	HGRM DBL- Butted, Straight Pull, Round	29	23	Tubeless - ready clincher	
	RR	28	HGRM DBL- Butted, Straight Pull, Round	29	23	Tubeless - ready clincher	
23 Si Carbon Clincher 27.5 Boost	FT	28	HGRM DBL- Butted, Straight Pull, Round	29	23	Tubeless - ready clincher	
	RR	28	HGRM DBL- Butted, Straight Pull, Round	29	23	Tubeless - ready clincher	
23 Carbon Clincher 29	FT	28	HGRM DBL- Butted, Straight Pull, Round	29	23	Tubeless - ready clincher	
	RR	28	HGRM DBL- Butted, Straight Pull, Round	29	23	Tubeless - ready clincher	
23 Carbon Clincher 27.5	FT	28	HGRM DBL- Butted, Straight Pull, Round	29	23	Tubeless - ready clincher	
	RR	28	HGRM DBL- Butted, Straight Pull, Round	29	23	Tubeless - ready clincher	
SiSL 35D Carbon Clincher	FT	16	HGRM DBL- Butted, J - Bend, Bladed	25	17	Tube - type, clincher	
	RR	24	HGRM DBL- Butted, J - Bend, Bladed	25	17	Tube - type, clincher	
Si 35D Carbon Clincher	FT	18	HGRM DBL- Butted, J - Bend, Bladed	25	17	Tube - type, clincher	
	RR	24	HGRM DBL- Butted, J - Bend, Bladed	25	17	Tube - type, clincher	
SiSL Disc 35D Disc Carbon Clincher	FT	24	DT Swiss Aerolite, Straight Pull	25	19	Tubeless - ready clincher	
	RR	28	DT Swiss Aerolite, Straight Pull	25	19	Tubeless - ready clincher	
Si Disc 35D Carbon Clincher	FT	24	HGRM DBL- Butted, Straight Pull, Round	25	19	Tubeless - ready clincher	
	RR	28	HGRM DBL- Butted, Straight Pull, Round	25	19	Tubeless - ready clincher	
Disc 35D Carbon Clincher	FT	24	HGRM DBL- Butted, Straight Pull, Round	25	19	Tubeless - ready clincher	
	RR	28	HGRM DBL- Butted, Straight Pull, Round	25	19	Tubeless - ready clincher	
Disc 35D Carbon Clincher (Ai RR)	RR	28	HGRM DBL- Butted, Straight Pull, Round	25	19	Tubeless - ready clincher	
Disc 35D Carbon Clincher (QR RR)	RR	28	HGRM DBL- Butted, Straight Pull, Round	25	19	Tubeless - ready clincher	
KNØT 64 Carbon Clincher	FT	20	DT Swiss Aerolite, Straight Pull	32	21	Tubeless - ready clincher	
	RR	24	DT Swiss Aerolite, Straight Pull	32	21	Tubeless - ready clincher	

	Tire Width Size Range	Dish - Offset	Maximum Tire Pressure, per tire width	Hub	Rider Weight Limit	Recommend- ed Spoke Tension
	2.3 in - 2.8 in	N/A	1.7 bar / 25 psi 2.5 in	HGRM 110 x 15	245 lbs	105 - 130 kgf
	2.3 in - 2.8 in	Ai +3 mm	1.7 bar / 25 psi 2.5 in	HGRM Centerlock Disc w/ DT Swiss internals, 148 x 12 x D	245 lbs	110 - 135 kgf
	2.0 in - 2.3 in	N/A	2.2 bar / 32 psi 2.25 in	HGRM Lefty 60	245 lbs	105 - 130 kgf
	2.0 in - 2.3 in	Ai +6 mm	2.2 bar / 32 psi 2.25 in	HGRM Centerlock Disc w/ DT Swiss internals, 142 x 12 x D	245 lbs	110 - 135 kgf
	2.0 in - 2.3 in	N/A	2.2 bar / 32 psi 2.25 in	HGRM Lefty 60	245 lbs	105 - 130 kgf
	2.0 in - 2.3 in	Ai +6 mm	2.2 bar / 32 psi 2.25 in	HGRM Centerlock Disc w/ DT Swiss internals, 142 x 12 x D	245 lbs	110 - 135 kgf
	2.0 in - 2.3 in	N/A	2.2 bar / 32 psi 2.25 in	HGRM Lefty 60	245 lbs	105 - 130 kgf
	2.0 in - 2.3 in	Ai +3 mm	2.2 bar / 32 psi 2.25 in	HGRM Centerlock Disc w/ DT Swiss internals, 148 x 12 x D	245 lbs	110 - 135 kgf
	2.0 in - 2.3 in	N/A	2.2 bar / 32 psi 2.25 in	HGRM Lefty 60	245 lbs	105 - 130 kgf
	2.0 in - 2.3 in	Ai +3 mm	2.2 bar / 32 psi 2.25 in	HGRM Centerlock Disc w/ DT Swiss internals, 148 x 12 x D	245 lbs	110 - 135 kgf
	2.0 in - 2.3 in	N/A	2.2 bar / 32 psi 2.25 in	HGRM Lefty 60	245 lbs	105 - 130 kgf
	2.0 in - 2.3 in	Ai +6 mm	2.2 bar / 32 psi 2.25 in	HGRM Centerlock Disc w/ DT Swiss internals, 142 x 12 x D	245 lbs	110 - 135 kgf
	2.0 in - 2.3 in	N/A	2.2 bar / 32 psi 2.25 in	HGRM Lefty 60	245 lbs	105 - 130 kgf
	2.0 in - 2.3 in	Ai +6 mm	2.2 bar / 32 psi 2.25 in	HGRM Centerlock Disc w/ DT Swiss internals, 142 x 12 x D	245 lbs	110 - 135 kgf
	23 - 40 mm	N/A	7 bar / 102 psi 25C tire	HGRM QR	220 lbs	90 - 120 kgf
	23 - 40 mm	0	7 bar / 102 psi 25C tire	HGRM QR	220 lbs	90 - 120 kgf
	23 - 40 mm	N/A	7 bar / 102 psi 25C tire	HGRM QR	220 lbs	90 - 120 kgf
	23 - 40 mm	0	7 bar / 102 psi 25C tire	HGRM QR	220 lbs	90 - 120 kgf
	23 - 40 mm	N/A	7 bar / 102 psi 25C tire	HGRM Centerlock Disc, SRAM Ma x le 100 x 12 mm	220 lbs	100 - 125 kgf
	23 - 40 mm	0	7 bar / 102 psi 25C tire	HGRM Centerlock Disc w DT 240 internals, 142 x x 12 mm	220 lbs	100 - 125 kgf
	23 - 40 mm	N/A	6 bar / 87 psi 28C tire	HGRM Centerlock Disc, SRAM Ma x le 100 x 12 mm	220 lbs	100 - 125 kgf
	23 - 40 mm	0	6 bar / 87 psi 28C tire	HGRM Centerlock Disc w DT internals, 142 x 12 mm	220 lbs	110 - 130 kgf
	23 - 40 mm	N/A	6 bar / 87 psi 28C tire	HGRM Centerlock Disc, SRAM Ma x le 100 x 12 mm	220 lbs	90 - 130 kgf
	23 - 40 mm	0	6 bar / 87 psi 28C tire	HGRM Centerlock Disc, 142 x 12 mm	220 lbs	110 - 145 kgf
	23 - 40 mm	Ai +6 mm	4.5 bar / 65 psi 33C tire	HGRM Centerlock Disc, 142 x 12 mm	220 lbs	110 - 145 kgf
	23 - 40 mm	0	7 bar / 102 psi 25C tire	HGRM Centerlock Disc, QR	220 lbs	110 - 145 kgf
	23 - 42 mm	N/A	8 bar / 116 psi 23C tire	HGRM KNØT Centerlock Disc, 100 x 12 mm	220 lbs	100 - 125 kgf
	23 - 42 mm	0	8 bar / 116 psi 23C tire	HGRM Centerlock Disc w DT 240 internals, 142 x 12 mm	220 lbs	105 - 130 kgf

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	2017-19	Quick CX	No	Yes	CP1607U00OS	No	Yes	No	
	2017-19	Quick 1 - 4	No	Yes	CP1607U00OS	No	Yes	No	
	2017-19	Quick 5 - 8	No	Yes	CP1607U00OS	Yes	No	No	
	2017-19	Adventure	No	Yes	CP1607U00OS	Yes	No	No	
	2017-19	Tesoro	Yes	No	2KS00/BLK	No	No	No	Si V1
Urban	2017-19	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	
	2019	Bad Boy 2 and 3	No	No		yes	NA	No	
Electric Bikes	2019	Trail NEO 1	No	No	CP1607U00OS	No		Yes	RCP
		Quick NEO	No	Yes	CP1607U00OS	No	No	Yes	RCP
		Quick NEO EQ	No	Yes	CP1607U00OS	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
	2017-19	U Mavaro NEO City Performance 4	No	No		No		Yes	Si V1
	2017-19	M Mavaro Performance 4	No	No		No		Yes	Si V1
	2019	M Mavaro Active Men	No	No		No		No	Si V1
	2019	U Mavaro Active City	No	No		No		No	Si V1
	2019	M Mavaro NEO 2	No	No		No		Yes	RCP
	2018-19	Tesoro NEO 1	No	No		No		Yes	RCP
	2018-19	Tesoro NEO 2	No	No		No		Yes	RCP
	2019	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
	2019	Cujo NEO 1	No	No		No		Yes	RCP
	2019	Trail NEO Performance	No	No		No		Yes	RCP
	2019	Trail NEO 2	No	No		No		Yes	RCP

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