

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 a update is displayed in the lower left corner of each page. Cannondale reserves the right to make product improvement 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 a 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 components compatibility, not the suitability of any particular part. Ultimately, questions about part compatibility should be decided 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 ID - "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 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 reference the Cannondale Limited Warranty available at www.cannondale.com.

For Dealer Warranty Guidelines and Claims Process to resolve any warranty issues customers may have, please reference our Warranty section at b2b.cyclingsportsgroup.com

Service Instructions, Technical Support and Ordering:

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

Symbols:

This TECH BOOK uses some icons, abbreviations or 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.
	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 locker	Apply Loctite 425 Instant Adhesive or equivalent.
N-m	Newton meter	Indicates the specified tightening torque for the fastener. Use a correctly sized, and calibrated torque wrench .

Abbreviation:

Part Number - p/n
DS - Drive Side
NDS - Non-Drive Side
FD - Front Derailleur
ROAD - Road
RD - Rear Derailleur
UPR - Upper
LWR - Lower
HDWE - Hardware
FT - Front
RR - Rear
DIA. - Diameter
in - inches
mm - millimeter

MAX. - Maximum
MIN. - Minimum
mm - Millimeter
MTN - Mountain
N/A - Not Applicable
ST - Seat Tube
SST - Seat Stay
CR - Chain Ring
CS - Chain Stay
CRB - Carbon (composite)
ALLY - Alloy
HT - Head Tube
BB - Bottom Bracket
LFT - Left

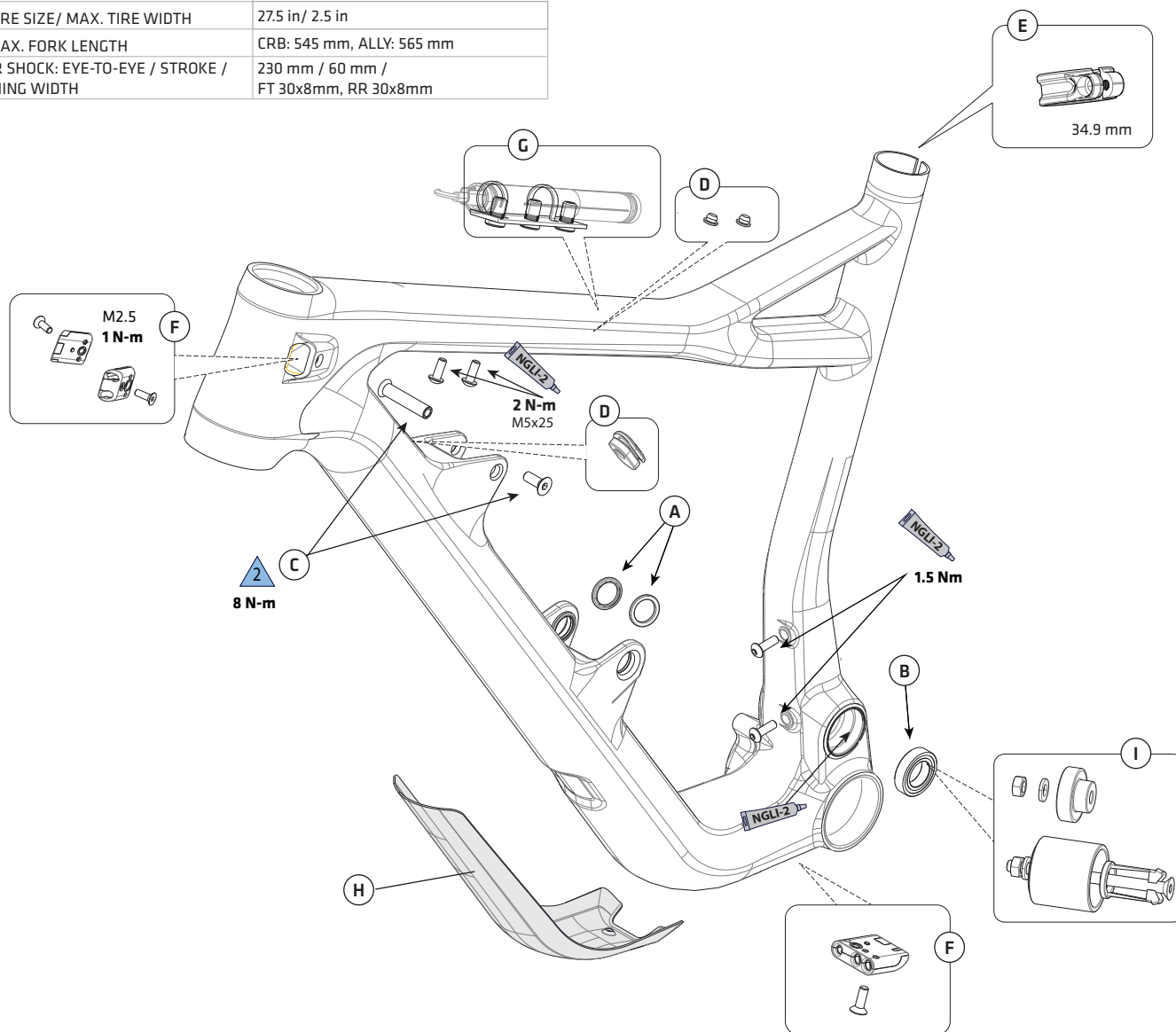
RGT - Right
RRTR - Rear Triangle
FTTR - Front Triangle
DM - Direct Mount
ST - Standard Mount
RRDO - Rear Dropout
RRBM - Rear Brake Mount
RRBAD - Rear Brake Adapter
T-AXL - Thru-Axle
PMB - Post Mount Brake
ISB - International Standard Brake
w/ - With
"--" Not Pictured
QTY - Quantity

Brgs - Bearings

JEKYLL 2018

MODEL / MODEL YEAR(S)	JEKYLL / MY18
REAR TRAVEL	165 mm
HEAD TUBE	UPR: 1-1/8 in, LWR: 1-1/2 in
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/ MAX. TIRE WIDTH	27.5 in/ 2.5 in
▲ MAX. FORK LENGTH	CRB: 545 mm, ALLY: 565 mm
REAR SHOCK: EYE-TO-EYE / STROKE / BUSHING WIDTH	230 mm / 60 mm / FT 30x8mm, RR 30x8mm

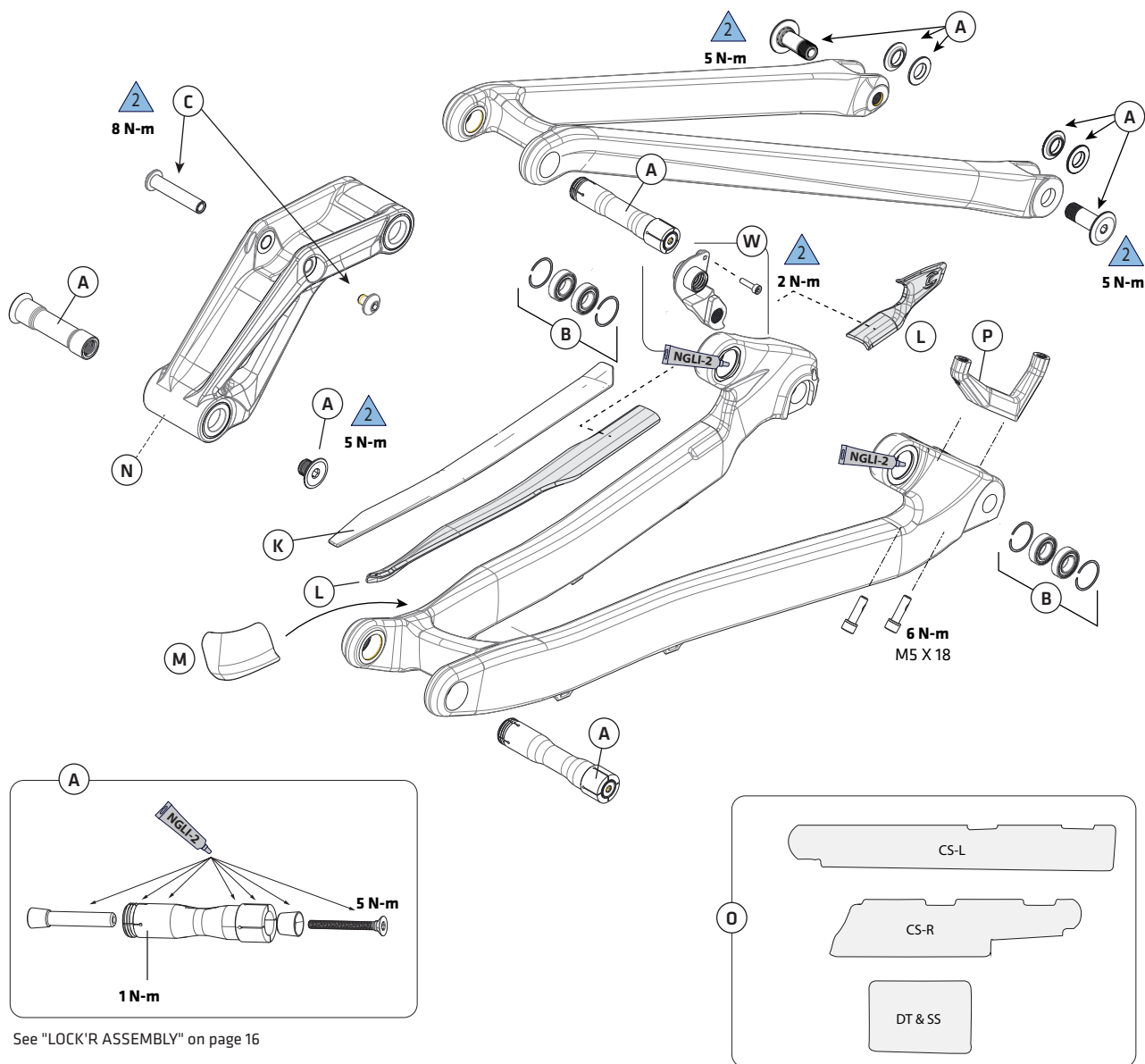
SAG	30%, 18 mm
ISCG	ISCG 05
REAR BRAKE: MOUNT TYPE/DIA.	Flat Mount, 160 mm/180 mm
REAR AXLE: TYPE/LENGTH	148 X 12 Maxle, 180 mm length
▲ INTENDED USE	ASTM CONDITION 4, All-Mountain
▲ MAX. WEIGHT LIMIT	Total (rider+all equipment): 305lb / 138 Kg



ID	Part Number	Description	CRB	ALLY
A	CK3157U000S	Jekyll Pivot Hardware	✓	✓
B	CK3167U000S	Jekyll Pivot Bearings	✓	✓
C	CK3207U000S	Jekyll Crb Shock Mount Hardware	✓	
C	K36018	Jekyll Al Shock Mount Hardware		✓
D	CK3187U000S	Jekyll/Trigger Grommets	✓	✓
E	KP388/	Seatbinder MTN 34.9	✓	✓
F	KP436/	Modular Cable Guides	✓	
G	K32027	Internal Di2 Battery Mount	✓	

ID	Part Number	Description	CRB	ALLY
H	K34088SM	Jekyll CRB DT Protector SM	✓	
	K34088MD	Jekyll CRB DT Protector MD	✓	
	K34088LG	Jekyll CRB DT Protector LG	✓	
	K34088XL	Jekyll CRB DT Protector XL	✓	
H	K34008	Jekyll ALLY DT Protector (all sizes)		✓
I	CK9017U000S	17x30 Bearing Tool	✓	✓
K	CK3217U000S	Jekyll ALLOY CSTAY Protector		✓
L	CK3197U000S	Jekyll CRB CSTAY Protector	✓	

JEKYLL 2018



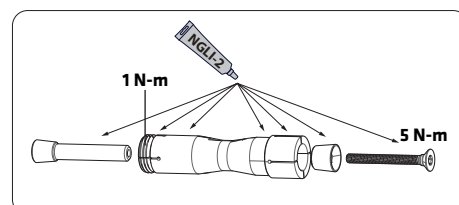
ID	Part Number	Description	CRB	ALLY
M	K34078	Jekyll CRB Chainsuck Protector		
N	C21698M00L1	27.5 M Jekyll CRB Link (w/bearings) All sizes, both carbon and alloy	✓	✓
O	K34068	Jekyll CRB CS Heel Rub Grds (Jekyll 1)	✓	
O	K34058	Jekyll/Ally CS Heel Rub Grds (Jekyll 2, 3, 4)		✓
P	KP421/160	Brake Mount Flat 160mm	✓	✓
P	KP421/180	Brake Mount Flat 180mm	✓	✓

ID	Part Number	Description	CRB	ALLY
W	CK3257U000S	Derailleur Hanger TA ST SS 015	✓	✓
--	KP197/SRM	PF30 Bottom Bracket Cups And Bearings	✓	
--	KB6180/	BB30 Bearing Blue (QTY=2)	✓	✓
--	K22037	BB30 Bearing Blue (QTY=24)	✓	✓
--	QC616/	Circlips 2x BB Si		✓

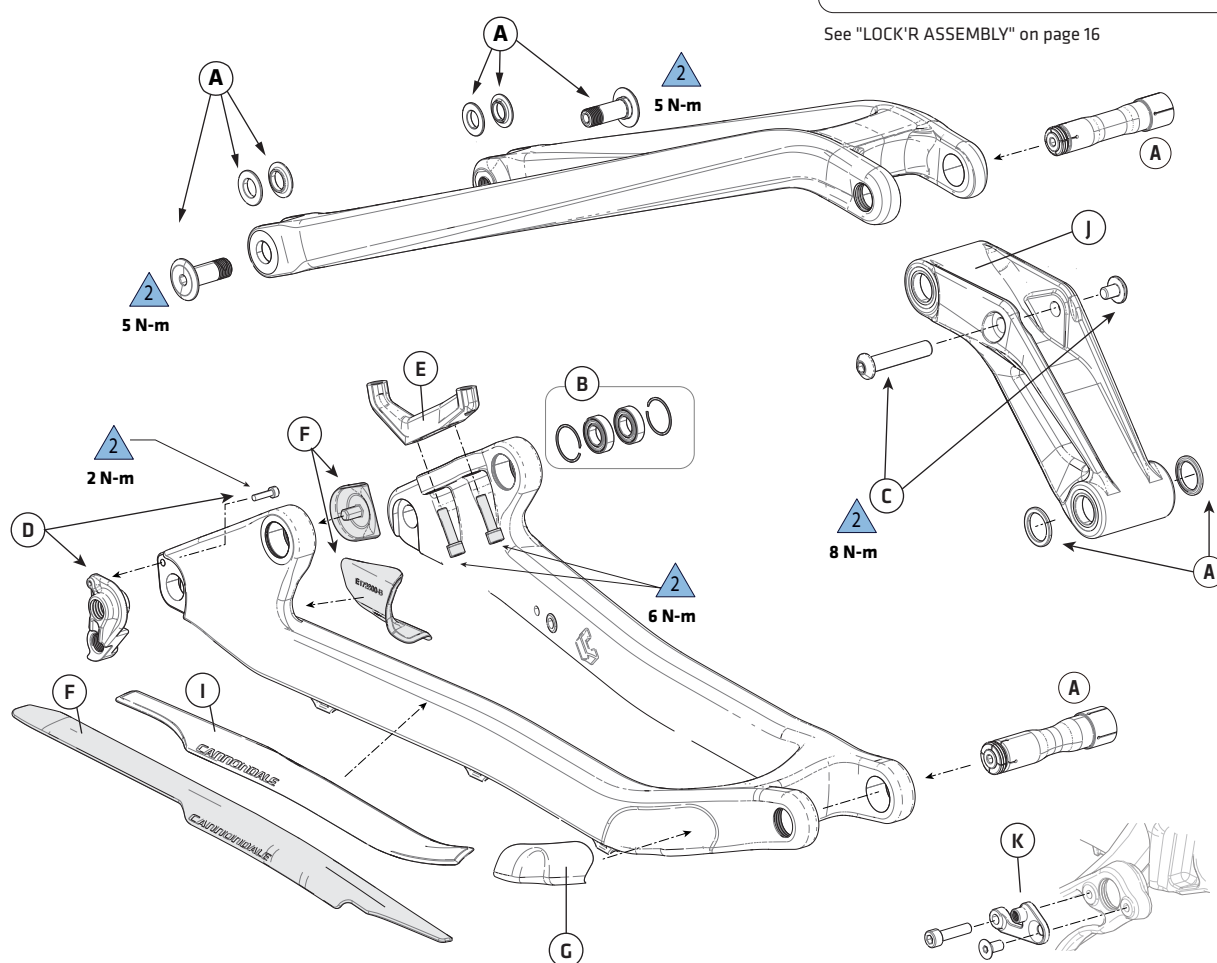
TRIGGER 2018

MODEL / MODEL YEAR(S)	TRIGGER / MY18
REAR TRAVEL	145 mm
HEAD TUBE	UPR: 1-1/8 in, LWR: 1-1/2 in
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/ 2.5 in
▲ MAX. FORK LENGTH	545 mm
REAR SHOCK: EYE-TO-EYE / STROKE / BUSHING WIDTH	210 mm / 55 mm / FT 30x8mm, RR 30x8mm
SAG	30%, 17 mm

MODEL / MODEL YEAR(S)	TRIGGER / MY18
ISCG	ISCG 05
REAR BRAKE MOUNT TYPE/DIA.	Flat Mount, 160 mm/180 mm
REAR AXLE	148 X 12 Maxle, 180 mm length
▲ INTENDED USE	ASTM CONDITION 4, All-Mountain
▲ MAX. WEIGHT LIMIT	Total (rider+all equipment): 305lb / 138 Kg



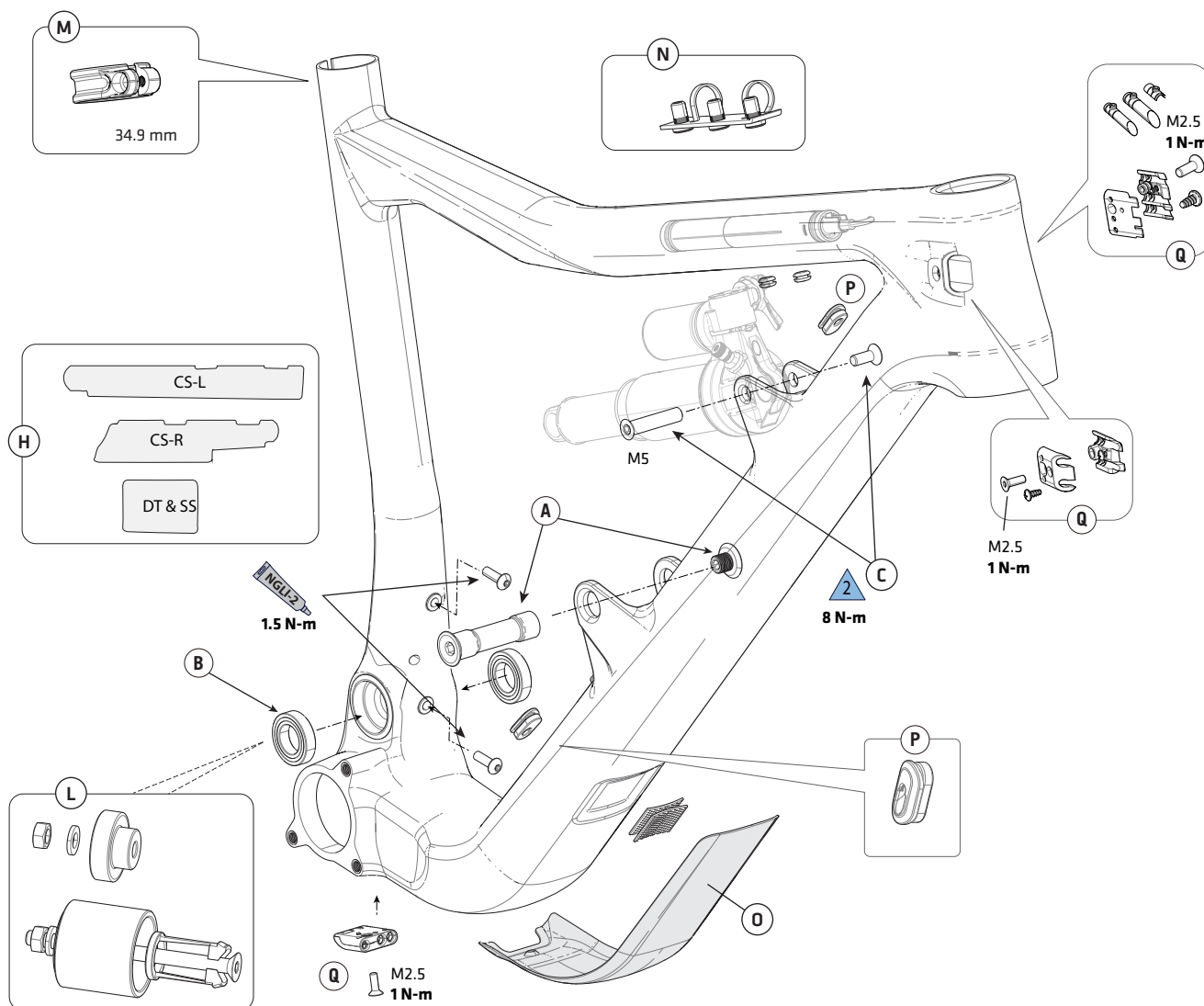
See "LOCK'R ASSEMBLY" on page 16



ID	Part Number	Description
A	CK3147U000S	Trigger Pivot Hardware
B	CK3177U000S	Trigger Pivot Bearings
C	CK3227U000S	Trigger Shock Mount Hardware
D	CK3257U000S	Derailleur Hanger TA ST SS 015
E	KP421/160	Brake Mount Flat 160mm
	KP421/180	Brake Mount Flat 180mm
F	CK3237U000S	Trigger CRB CS Protector
G	CK3287U000S	Trigger CRB CS Guard

ID	Part Number	Description
H	K34068	Trigger CRB CS Heel Rub Grds (Trigger 1)
H	K34058	Trigger ALLY CS Heel Rub Grds (Trigger 2 and 3)
I	CK3247U000S	Trigger Al Chain Stay Protector
J	C22698M00L1	27.5 M Trigger Crb Link
K	KP390/	MTN FD Mount
L	CK9017U000S	17x30 Bearing Tool

TRIGGER 2018



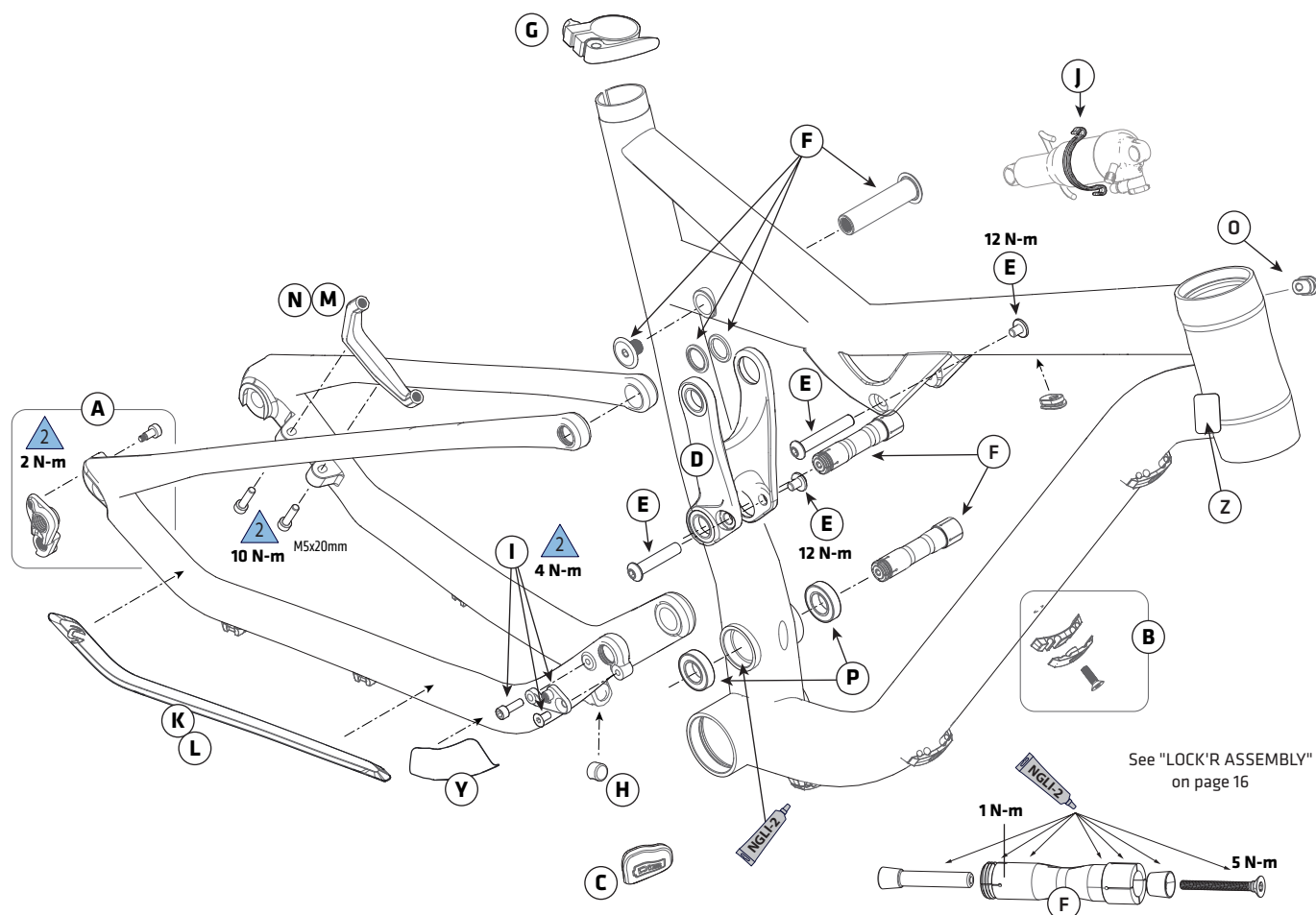
ID	Part Number	Description
M	KP388/	Seatbinder MTN 34.9
N	K32027	Internal Di2 Battery Mount
O	CK3117U00SM	Trigger CRB DT Protector SM
O	CK3117U00MD	Trigger CRB DT Protector MD
O	CK3117U00LG	Trigger CRB DT Protector LG
O	CK3117U00XL	Trigger CRB DT Protector XL
P	CK3187U000S	Jekyll/Trigger Grommets

ID	Part Number	Description
Q	KP436/	Modular Cable Guides
--	K22037	BB30 Bearing Blue (QTY=24)
--	KB6180/	BB30 Bearing Blue (QTY=2)
--	KP197/SRM	PF30 Bottom Bracket Cups And Bearings

HABIT 2016-2018

MODEL / MODEL YEAR(S)	HABIT, MY16-18
REAR TRAVEL	120mm
HEAD TUBE	Cannondale SI
BOTTOM BRACKET: TYPE / WIDTH	CRB:PF30/73mm , ALLY:BB30/73mm
FRONT DERAILLEUR	S3 Direct Mount
SEAT POST: DIA./BINDER	31.6mm/34.9mm
▲ MIN. SEAT POST INSERT	100mm
▲ TIRE SIZE / MAX. TIRE WIDTH	27.5in x 2.35in
▲ MAX. FORK LENGTH	525mm

REAR SHOCK: EYE-TO-EYE / STROKE / BUSHING WIDTH	184mm x 44.5mm FR: 37.59mm x 8mm, RR: 30mm x 8mm
SAG	30% , 13mm
ISCG	N/A
REAR BRAKE: MOUNT TYPE/DIA.	Flat Mount: 160/180mm
REAR AXLE: TYPE/LENGTH	MAXLE / 142 x 12mm
▲ INTENDED USE	ASTM CONDITION 3, Cross-Country, Marathon, Hardtails.
▲ MAX. WEIGHT LIMIT	Total (rider+all equipment): 305lb / 138 Kg

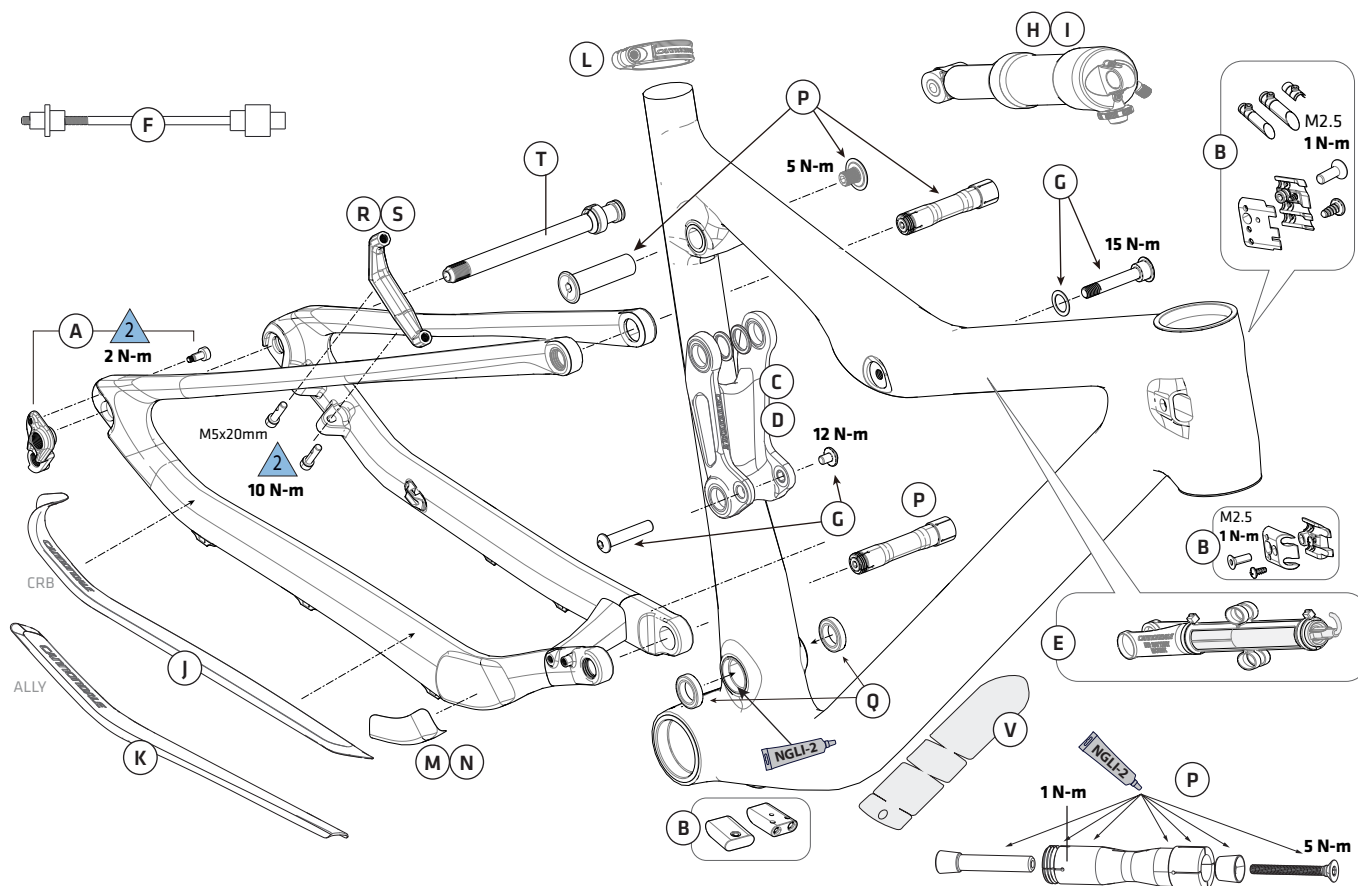


ID	Part Number	Description	CRB	ALLY
A	KP381/	Derailleur Hanger TA ST SS 030	✓	✓
B	KP329/	DT BB Cable Guides (QTY=4)	✓	✓
C	KP383/	Di2 Bottom Bracket Plug	✓	
D	KP425/	27.5 M Habit Crb Link W/ Bearing	✓	✓
E	KP385/	Habit Shock Mount Hardware	✓	✓
F	KP387/	Habit Link Hardware	✓	✓
G	KP388/	Seatbinder MTN 34.9	✓	✓
H	KP389/	Front Derailleur Swivel Stop	✓	✓
I	KP390/	Mountain FD Mount	✓	✓
J	KP391/	Habit Full Sprint Cable Clip	✓	✓
K	KP392/	Habit AI Chain Stay Protector		✓
L	KP393/	Habit Crb Chain Stay Protector	✓	
Y	K34007	Habit Chain Suck Protector	✓	✓
--	HD169/	Bearings 1.56 Headset (QTY=2)	✓	✓
--	QSI SEAL/	Seal Upper Bearing 58mm OD	✓	✓

ID	Part Number	Description	CRB	ALLY
--	KF115/	Carbon Seatpost Gel	✓	✓
--	KP197/SRM	PF30 Bottom Bracket Cups And Bearings	✓	
M	KP421/160	Brake Mount Flat 160mm	✓	✓
N	KP421/180	Brake Mount Flat 180mm	✓	✓
Z	KF103/	Scuffguard (QTY=8)	✓	✓
--	K22037	BB30 Bearing Blue (QTY=24)	✓	✓
--	KB6180/	BB30 Bearing Blue (QTY=2)	✓	✓
--	QC616/	BB Si Circlips (QTY=2)		✓
--	K32027	Internal Di2 Battery Mount	✓	
P	K36097	Pivot Bearing 6902 Habit ALLY (QTY=2)		✓
Q	K36087	Pivot Bearing 6802 Habit CRB n	✓	
O	CK3187U000S	Jekyll/Trigger Grommets	✓	✓

MODEL / MODEL YEAR(S)	SCALPEL SI / MY16-18
REAR TRAVEL	100mm
HEAD TUBE	Cannondale SI
BOTTOM BRACKET TYPE/ WIDTH	CRB: PF30 / 83mm, ALLY: BB30/83mm
FRONT DERAILLEUR	S3 Direct Mount, Side Swing
SEAT POST DIA./BINDER	31.6/34.9mm
MIN. SEAT POST INSERT	120mm
TIRE SIZE/ MAX TIRE WIDTH	Scalpel Si 27.5: 27.5 X 2.30in, Scalpel Si 29: 29 x 2.30in
MAX. FORK LENGTH	Scalpel Si 27.5: 487mm, Scalpel Si 29: 500mm

MODEL / MODEL YEAR(S)	SCALPEL SI / MY16-18
REAR SHOCK: EYE-TO-EYE / STROKE / BUSHING WIDTH	190x45mm / FT 30x8mm, RR 30x88mm
SAG	25%, 12mm
ISCG	N/A
REAR BRAKE MOUNT TYPE/DIA.	Flat Mount/ 160, 180mm
REAR DROPOUT: TYPE / WIDTH	Maxle / 142 x 12mm
 INTENDED USE	ASTM CONDITION 3, Cross-Country, Marathon, Hardtails.
 MAX. WEIGHT LIMIT	Total (rider+all equipment): 305lb / 138 Kg

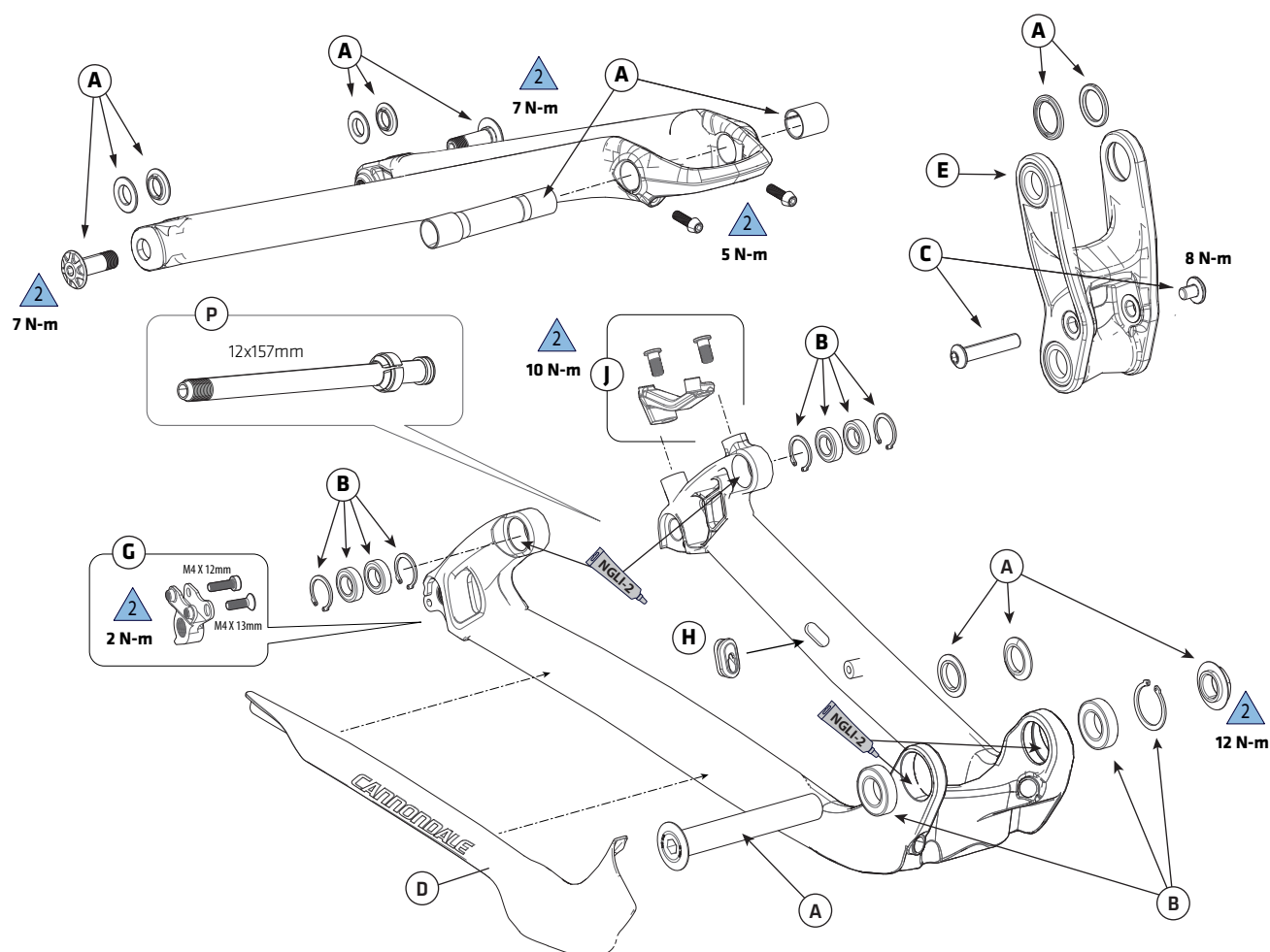


ID	Part Number	Description	CRB	ALLY
A	KP432/	Derailleur Hanger TA ST SS 035	✓	✓
B	KP436/	Modular Cable Guides	✓	
C	KP437/29	29 M Scalpel Si Crb Link	✓	✓
D	KP437/27	27.5 M Scalpel Si Crb Link	✓	✓
E	KP439/	Scalpel Si Di2 Battery Mount	✓	
F	KT041/	Ai Truing Wheel Axle	✓	✓
G	KP433/	Scalpel Si Shock Mount 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 Al CS Protector		✓
L	KP164/BLK	Seatbinder Mtn 316 BLK	✓	✓
--	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	✓	✓

ID	Part Number	Description	CRB	ALLY
Q	K36087	Pivot Bearing 6802 (QTY=2)	✓	✓
--	HD169/	Bearings 1.56 Headset (QTY=2)	✓	✓
--	QSISEAL/	Seal Upper Bearing 58mm OD	✓	✓
--	KP119/	Headset Headshok to 1.5	✓	✓
--	KP058/	Headset Headshok to 11/8	✓	✓
--	KP205/	Headset Integrated Headshok To Taper	✓	✓
--	KP197/SRM	PF30 Bottom Bracket Cups/ Brgs	✓	
R	KP421/160	Brake Mount Flat 160mm	✓	✓
S	KP421/180	Brake Mount Flat 180mm	✓	✓
--	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/	Axle Syntace X12 142x12mm	✓	✓

	MOTERRA	MOTERRA LT
HEAD TUBE	Cannondale SI	
BOTTOM BRACKET	BOSCH	
REAR TRAVEL	130 mm	160 mm
SAG 30%	36 mm	
EYE-TO-EYE/STROKE:	200 x 51 mm	216 x 63 mm
REAR BRAKE	Post Mount / Adapter 180/185/203mm	
ISCG	Cannondale Chain Guide item "E"	
REAR DROPOUT	157 x 12 mm	
FRONT DERAILLEUR	S3 Direct Mount	
SEAT POST DIA./BINDER	31.6 / 34.9mm	
▲ MIN. SEAT POST INSERT	100mm	

	MOTERRA	MOTERRA LT
⚠️ TIRE (SIZE/MAXIMUM WIDTH*)	27.5 x 2.8	27.5 x 2.4
⚠️ MAX. FORK LENGTH	541mm	556mm
⚠️ MAX. WEIGHT LIMIT (Lbs/Kg)	330 lbs/150kg	
⚠️ INTENDED USE	ASTM CONDITION 4, All Mountain	
To calculate maximum load of your e-bike, please deduct bike weight from total Maximum Bike Weight (330 lbs/150kg). To find the bike weight, please see CE Sticker on your bike or contact your local Cannondale Dealer.		



ID	Part Number	Description
A	CK3067U100S	Moterra Link Hardware BLK
C	CK3057M000S	Moterra Shock Mount Hardware
D	CK3037U100S	Moterra Chainstay Protector BLK
E	CK3297U000S	Moterra Crb Link, w/brgs
F	CK2047U000S	Moterra Sprocket and Lockring
P	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	KP169/	Tool Jekyll Pivot
J	KP175/X	Brake Adapter Post Mount 160mm
J	KP176/X	Brake Adapter Post Mount 180mm
J	KP177/X	Brake Adapter Post Mount 185mm

KP388/
34.9 mm

A
5 N-m

C
8 N-m

M

I

K
4 N-m

F
25 N-m

L
30 N-m

15 N-m

2
30 N-m

3

CRANK BOLTS:
40 N-m

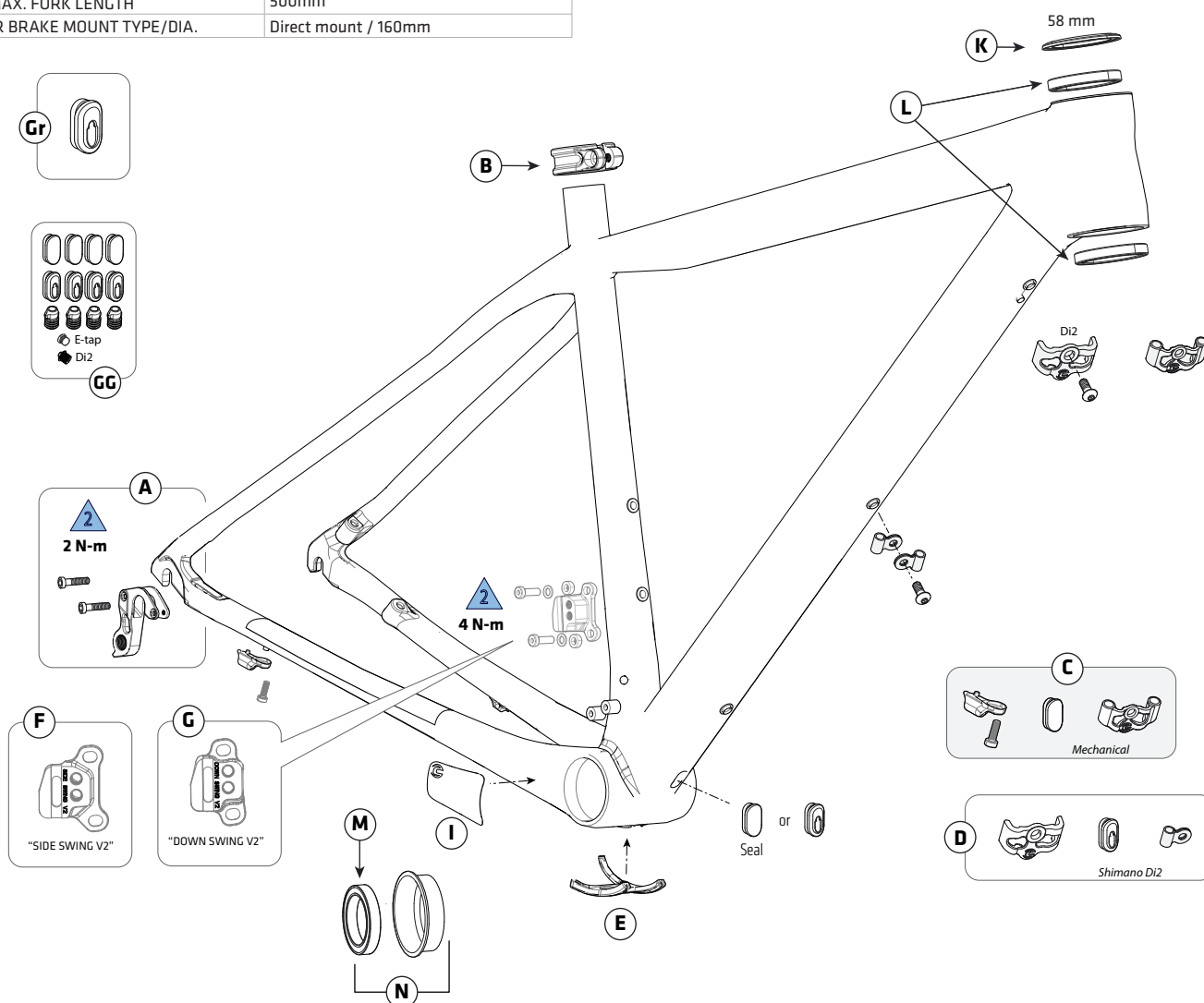
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ID	Part Number	Description
J	KP178/X	Brake Adapter Post Mount 203mm
K	CK2017U100S	Moterra Chainguide BLK
L	CK3017U100S	Moterra Skid Plate BLK
M	CK3077U000S	Moterra Plug/Grommet
N	CK3277U000S	Moterra Bat Strap

ID	Part Number	Description
--	KP205/	Headset Integrated Headshok To Taper
B	K36027	Moterra Pivot CS SS Bearings
--	K34667	Moterra DT Protector

MODEL / MODEL YEAR(S)	F-SI CARBON / MY17-18
HEAD TUBE	Cannondale SI
BOTTOM BRACKET TYPE/ WIDTH	PF30, 83mm, Ai Offset
FRONT DERAILLEUR	S3 Direct Mount
SEAT POST DIA./BINDER	27.2mm / 30.0mm
MIN. SEAT POST INSERT	100mm
TIRE SIZE x MAX. TIRE WIDTH	29 X 2.3 in
MAX. FORK LENGTH	500mm
REAR BRAKE MOUNT TYPE/DIA.	Direct mount / 160mm

MODEL / MODEL YEAR(S)	F-SI CARBON / MY17-18
REAR DROPOUT: TYPE/WIDTH	QR / 135mm
 INTENDED USE	ASTM CONDITION 3, Cross-Country, Marathon, Hardtails.
 MAX. WEIGHT LIMIT	Total (rider+all equipment): 305lb / 138 Kg



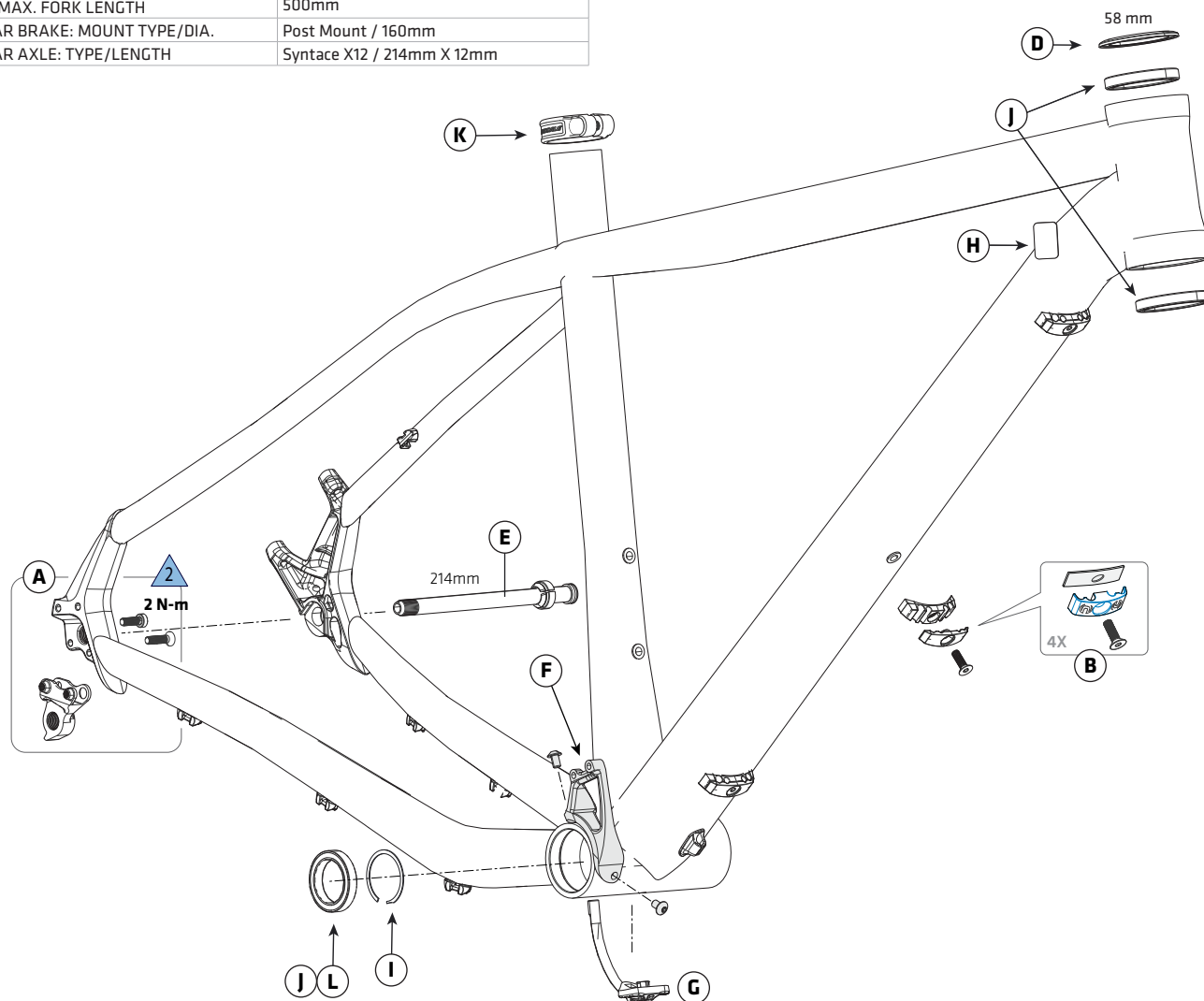
ID	Part Number	Description
A	KP121/	Derailleur Hanger QR ST DS 024
B	KP120/BLK	Seatbinder Flash CRB/BLK
C	KP346/	F-Si CRB Mech Down Tube Cable Guide
D	KP347/	F-Si CRB Di2 Down Tube Cable Guide
E	KP348/	F-Si CRB Bottom Bracket Cable Guide
F	KP349/	F-Si Front Derailleur Mount Side Swing
G	KP350/	F-Si Front Derailleur Mount Down Swing
--	KF103/	Scuffguard (QTY=8)
I	KP351/	F-Si CRB Chain Suck Protector
K	QSISEAL/	Seal Upper Bearing 58mm OD
L	HD169/	Bearings 1.56 Headset (QTY=2)

ID	Part Number	Description
--	KP058/	Headset Headshok to 11/8
--	KP119/	Headset Headshok to 1.5
--	KP205/	Headset Integrated Headshok To Taper
M	KB6180/	BB30 Bearing Blue (QTY=2)
N	KP197/SRM	PF30 Bottom Bracket Cups And Bearings
GG	K32048	Shift And Brake Grommets
M	K22037	BB30 Bearing Blue (QTY=24)
Gr	KP312/	Grommet (QTY=10)

FATCAAD 2017-2018

MODEL / MODEL YEAR(S)	FATCAAD / MY17-18
HEAD TUBE	Cannondale SI
BOTTOM BRACKET TYPE/ WIDTH	BB30 / 120mm
FRONT DERAILLEUR	S3 Direct Mount
SEAT POST DIA./BINDER	31.6mm / 34.9mm
▲ MIN. SEAT POST INSERT	100mm
▲ TIRE SIZE/ MAX. TIRE WIDTH	29 X 4.8 in
▲ MAX. FORK LENGTH	500mm
REAR BRAKE: MOUNT TYPE/DIA.	Post Mount / 160mm
REAR AXLE: TYPE/LENGTH	Syntace X12 / 214mm X 12mm

MODEL / MODEL YEAR(S)	FATCAAD / MY17-18
▲ INTENDED USE	ASTM CONDITION 3, Cross-Country, Marathon, Hardtails.
▲ MAX. WEIGHT LIMIT	Total (rider+all equipment): 305lb / 138 Kg



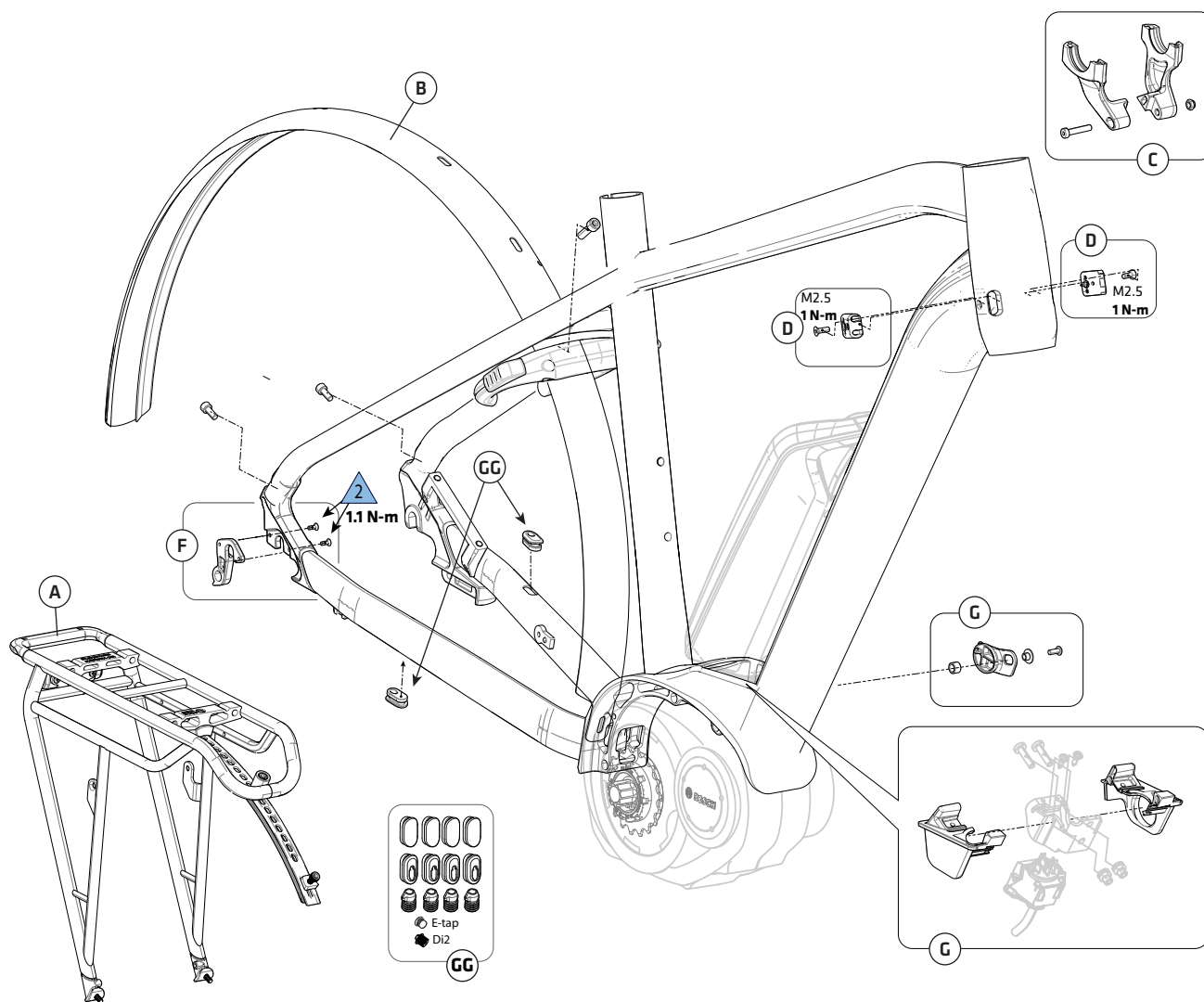
ID	Part Number	Description
A	KP173/	Derailleur Hanger TA ST DS 026
B	KP290/	Guide Housing Bolt x4
C	HD169/	Bearings 1.56 Headset (QTY=2)
D	QSI SEAL/	Seal Upper Bearing 58mm OD
E	KP400/	Rear Axle 214mm Fat CAAD
F	KP401/	Fat CAAD Front Derailleur Mount
G	KP404/	Fat CAAD Cable Guides
--	KP405/	Spidering Fat CAAD1 30T
H	KF103/	Scuffguard (QTY=8)

ID	Part Number	Description
I	QC616/	BB Si Circlips (QTY=2)
J	KB6180/	BB30 Bearing Blue (QTY=2)
K	KP170/BLK	Seatbinder MTN Qr 34 9 BLK
L	K22037	BB30 Bearing Blue (QTY=24)
--	KP402/	Hollowgram Spindle 160mm
--	KP403/	Hollowgram Spindle 166mm

TESORO NEO 2018

MODEL / MODEL YEAR(S)	TESORO NEO / MY18
HEAD TUBE	Cannondale SI
BOTTOM BRACKET TYPE/ WIDTH	BOSCH Drive Unit
FRONT DERAILLEUR	N/A
SEAT POST DIA./BINDER	31.6mm/36.4mm
▲ MIN. SEAT POST INSERT	100mm
▲ TIRE SIZE/ MAX. TIRE WIDTH	47-622
▲ MAX. FORK LENGTH	492mm

MODEL / MODEL YEAR(S)	TESORO NEO / MY18
REAR BRAKE: MOUNT TYPE/DIA.	Post Mount /160mm
REAR AXLE: TYPE/LENGTH	QR /135X9mm
▲ INTENDED USE	ASTM CONDITION 2, General Purpose Riding
▲ MAX. WEIGHT LIMIT: Lbs/Kg	Total (rider+all equipment): 330/150

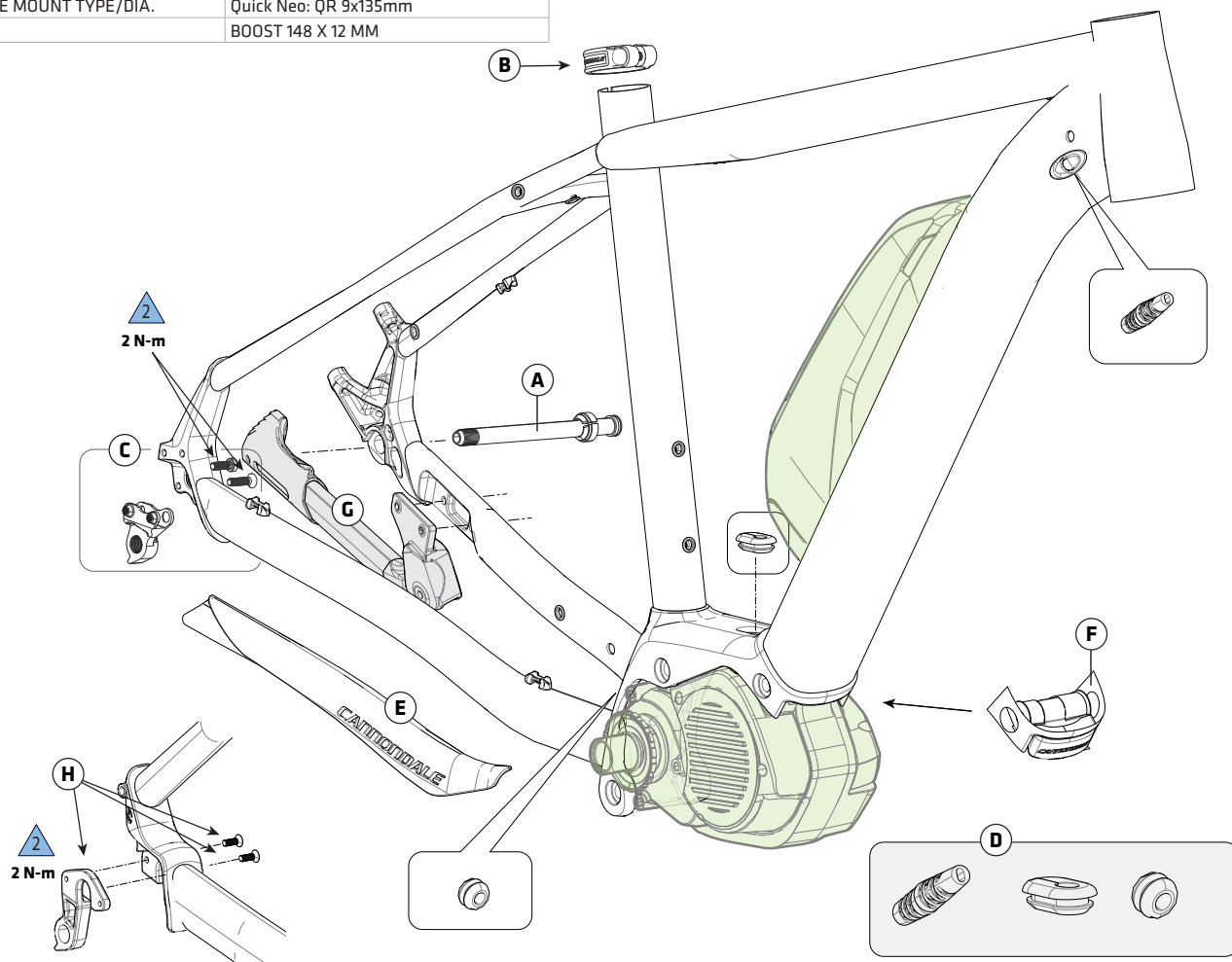


ID	Part Number	Description
A	CP1028U100S	Tesoro Neo Rear Rack BLK
B	K11078	Tesoro Neo Rear Fender 700c
C	K25018	Neo Light Mounting Bracket
D	KP456/	SuperX Head Tube Jeffy Guide
GG	K32048	Shift And Brake Grommets
F	KP284/	Derailleur Hanger QR ST SS 028
G	K34038	Bosch Battery Cover
--	K81038	Freehub Body FH-06

TRAIL NEO / CUJO NEO / QUICK NEO 2017-2018

MODEL / MODEL YEAR(S)	TRAIL, CUJO NEO / MY17-18
HEAD TUBE	UPR: 1 1/8" LWR: 1 1/2"
BOTTOM BRACKET TYPE/ WIDTH	Shimano Steps E8000 MTB Drive System
FRONT DERAILLEUR	N/A
SEAT POST DIA./BINDER	Trail, Cujo Neo: 31.6mm / 34.9mm Quick Neo: 27.2mm / 31.8mm
▲ MIN. SEAT POST INSERT	100mm
▲ TIRE SIZE/ MAX. TIRE WIDTH	TRAIL NEO: 27.5X2.35 / 2.25", CUJO NEO: 27.5X2.8"
▲ MAX. FORK LENGTH	530mm
REAR BRAKE MOUNT TYPE/DIA.	Quick Neo: QR 9x135mm
REAR AXLE	BOOST 148 X 12 MM

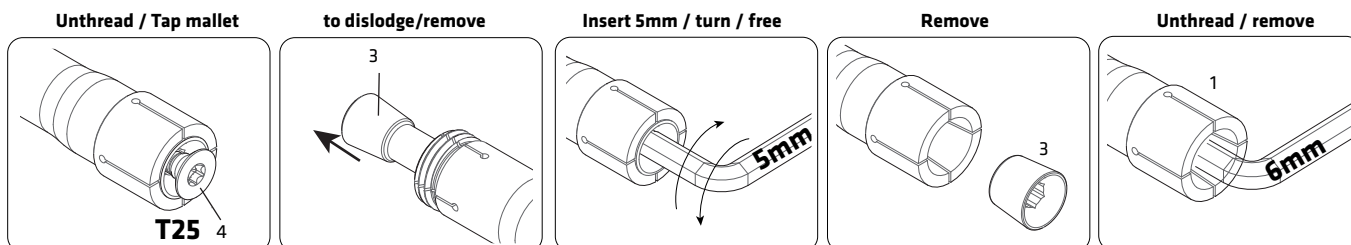
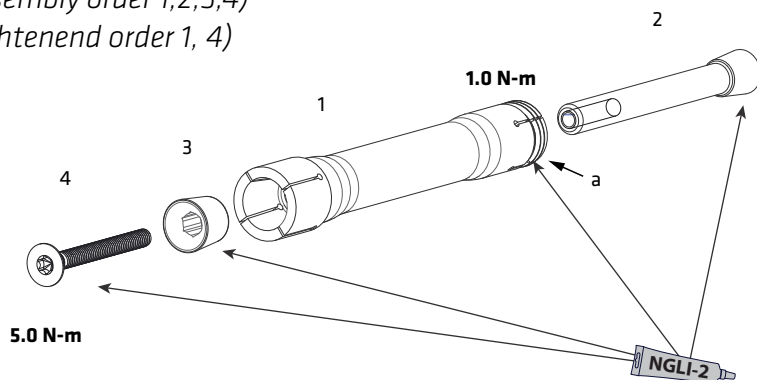
MODEL / MODEL YEAR(S)	TRAIL, CUJO NEO / MY17-18
▲ INTENDED USE	TRAIL NEO, CUJO NEO: ASTM CONDITION 3, Hardtails. QUICK NEO: ASTM 2, General Purpose Riding
▲ MAX. WEIGHT LIMIT	Total (rider+all equipment): 330lb / 150 Kg



ID	Part Number	Description	TRAIL NEO	CUJO NEO	QUICK NEO
A	KP190/	Axle Syntace X12 142x12mm	✓	✓	
--	CK3638U000S	Neo Headset	✓	✓	
--	CK3648U000S	Quick Neo Headset			✓
B	KP388/	Seatbinder MTN 34.9	✓	✓	
B	KP171/BLK	Seatbinder MTN QR 31.8 BLK			✓
C	KP173/	Derailleur Hanger TA ST DS 026	✓	✓	
H	KP255/	Derailleur Hanger QR ST 027			✓
D	CK3628U000S	Neo Frame Grommets	✓	✓	✓
E	CK3618U000S	Neo Chain Stay Protector	✓	✓	
F	CK3608U100S	Neo Motor Shroud BLK	✓	✓	
G	KA056/	SI Kickstand 40mm Mount Plate BLK	✓	✓	✓
--	KP460/	Freehub Body FH-501B		✓	
I	KF103/	Scuffguard (QTY=8)	✓	✓	✓

LOCK'R ASSEMBLY

(assembly order 1,2,3,4)
(tightenend order 1, 4)



(removal technique)

Installation

1. **Disassemble and clean all parts of the Lock'R axle.** Do not install it assembled.

Inspect the parts for damage (burrs, scratches, deformity, wear). Replace the entire Lock'R assembly if any damage is found.

2. Apply a light coating of a high-quality bicycle bearing grease to all parts.
3. Align the linkage and bearing and insert the threaded end of the pivot axle (1) into the non-drive side.
4. Tighten the inserted pivot axle to 1 N-m using a 6mm allen key fitted torque wrench from the non-drive side.

NOTICE

Use a calibrated torque wrench. Exceeding 1 N-m will result in permanent damage to the Lock'R pivot system.

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

Removal

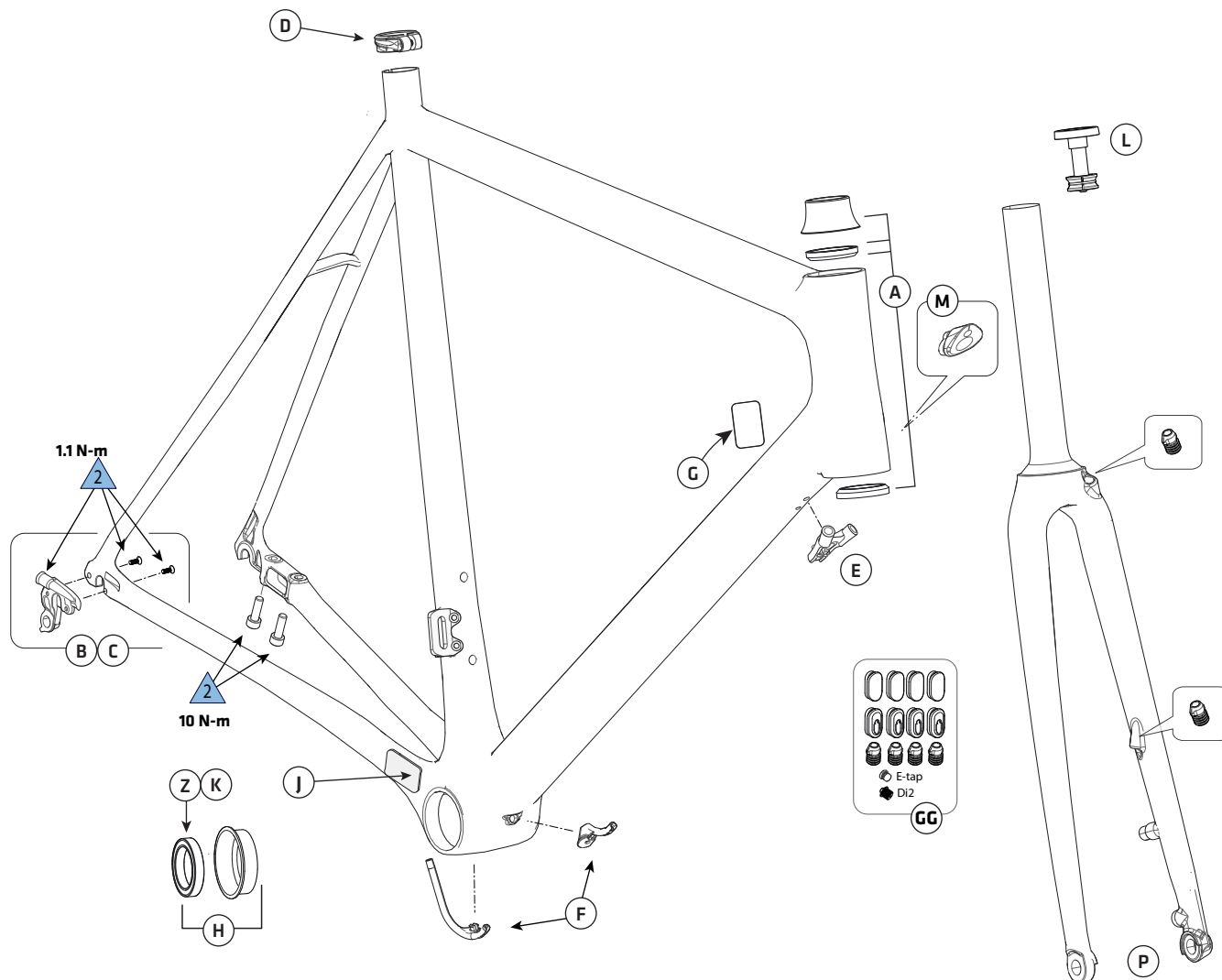
IMPORTANT: Be sure to support the bike or swingarm to prevent personal injury or bike damage when removing/disconnecting linkages an axle.

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 5mm hex key to twist the wedge (3) free and remove it (shown). If wedge sticks insert a wooden or plastic dowel into drive side and use it to tap out the wedge (3).
5. Insert a 6mm hex key into the axle (1) on the non-drive side and turn counter-clockwise until it can be removed.

SUPERSIX EVO (DISC) 2017-2018

MODEL / MODEL YEAR(S)	SUPERSIX EVO HM, STD Disc / MY17-18
HEAD TUBE	UPR: 1-1/8 in, LWR: 1-1/4 in
BOTTOM BRACKET: TYPE/ WIDTH	BB30A/73mm
FRONT DERAILLEUR	Braze-on
SEAT POST: DIA./BINDER	25.4mm / 28.0mm
▲ MIN. SEAT POST INSERT	90mm
▲ TIRE SIZE/ MAX. TIRE WIDTH	700 x 28c

BRAKES: MOUNT TYPE/DIA.	Flat Mount / RR: 140mm only FT: 140mm, 160mm
AXLES: TYPE/LENGTH	RR: QR / 135x9mm, FT: Thru Axle / 100x12mm
▲ INTENDED USE	ASTM CONDITION 1, High-Performance Road
▲ MAX. WEIGHT LIMIT: Lbs/Kg	Total (rider+all equipment): 285/129



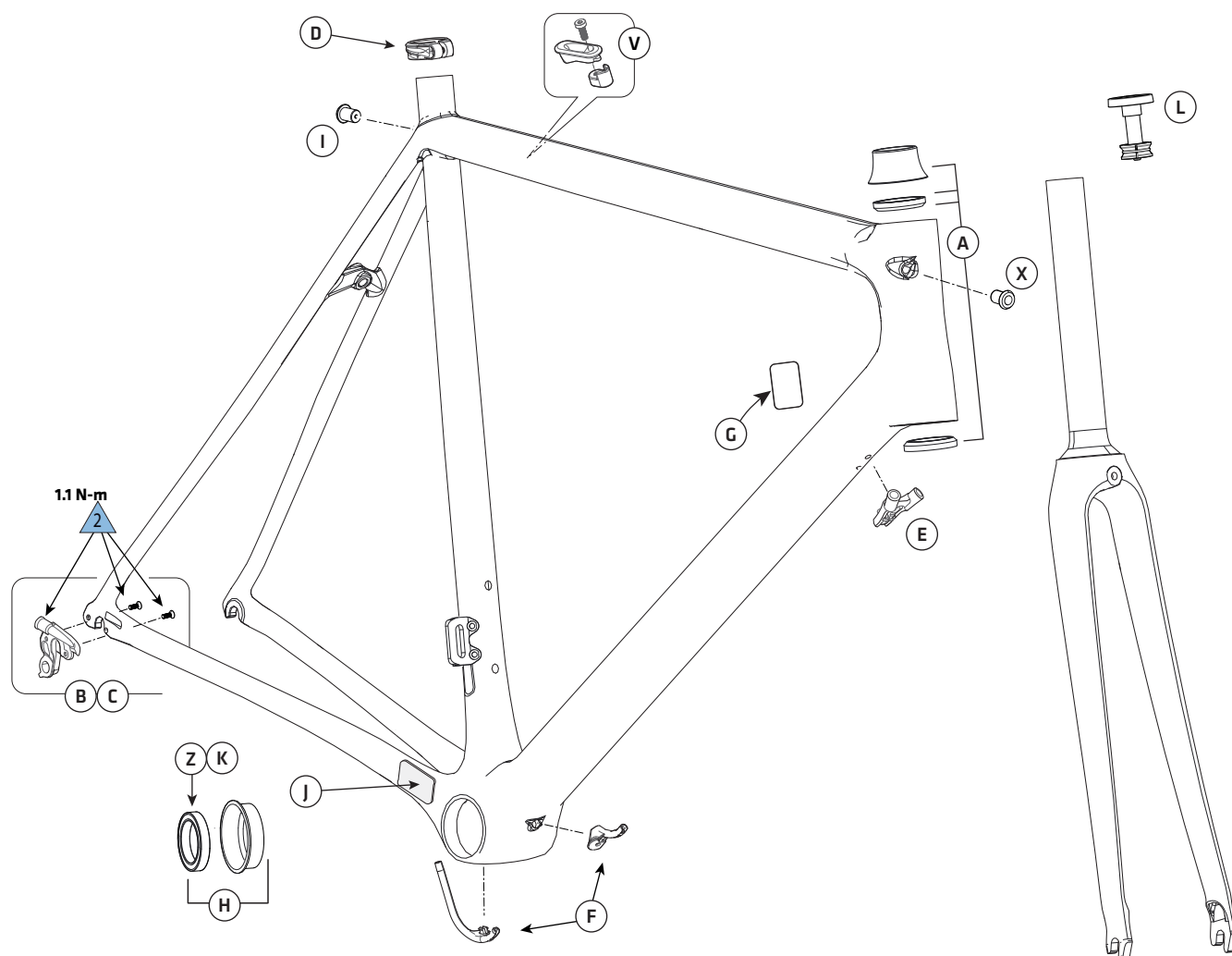
ID	Part Number	Description
--	KF115/	Carbon Seatpost Gel
A	K35098	Headset 1 1/8 to 1 1/4 33mm OD TC
B	KP395/	Derailleur Hanger QR ST SS 031
C	KP396/	Derailleur Hanger QR D2 SS 032
D	KP397/	Seat Binder Road 28 0 BLK
E	KP398/	Supersix Evo 2 Down Tube Cable Stop
F	KP409/	Supersix Evo2 Cable Guides
G	KF103/	Scuffguard (QTY=8)
H	KP197/SRM	PF30 Bottom Bracket Cups And Bearings

ID	Part Number	Description
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 5mm Cap
M	CK3367U000S	Evo Grommets
P	K83038	Ratchet Lever Maxle 100x12 125mm
GG	K32048	Shift And Brake Grommets

SUPERSIX EVO (RIM) 2017-2018

MODEL / MODEL YEAR(S)	SUPERSIX EVO Rim / MY17-18
HEAD TUBE	UPR: 1-1/8 in, LWR: 1-1/4 in
BOTTOM BRACKET: TYPE/ WIDTH	BB30A/73mm
FRONT DERAILLEUR	Braze-on
SEAT POST: DIA./BINDER	25.4mm / 28.0mm
▲ MIN. SEAT POST INSERT	90mm

▲ TIRE SIZE/ MAX. TIRE WIDTH	700 x 28mm
BRAKES: MOUNT TYPE/DIA.	Rim
AXLES: TYPE/LENGTH	RR: QR / 130x9mm, FT: QR / 100x9mm
▲ INTENDED USE	ASTM CONDITION 1, High-Performance Road
▲ MAX. WEIGHT LIMIT: Lbs/Kg	Total (rider+all equipment): 285/129



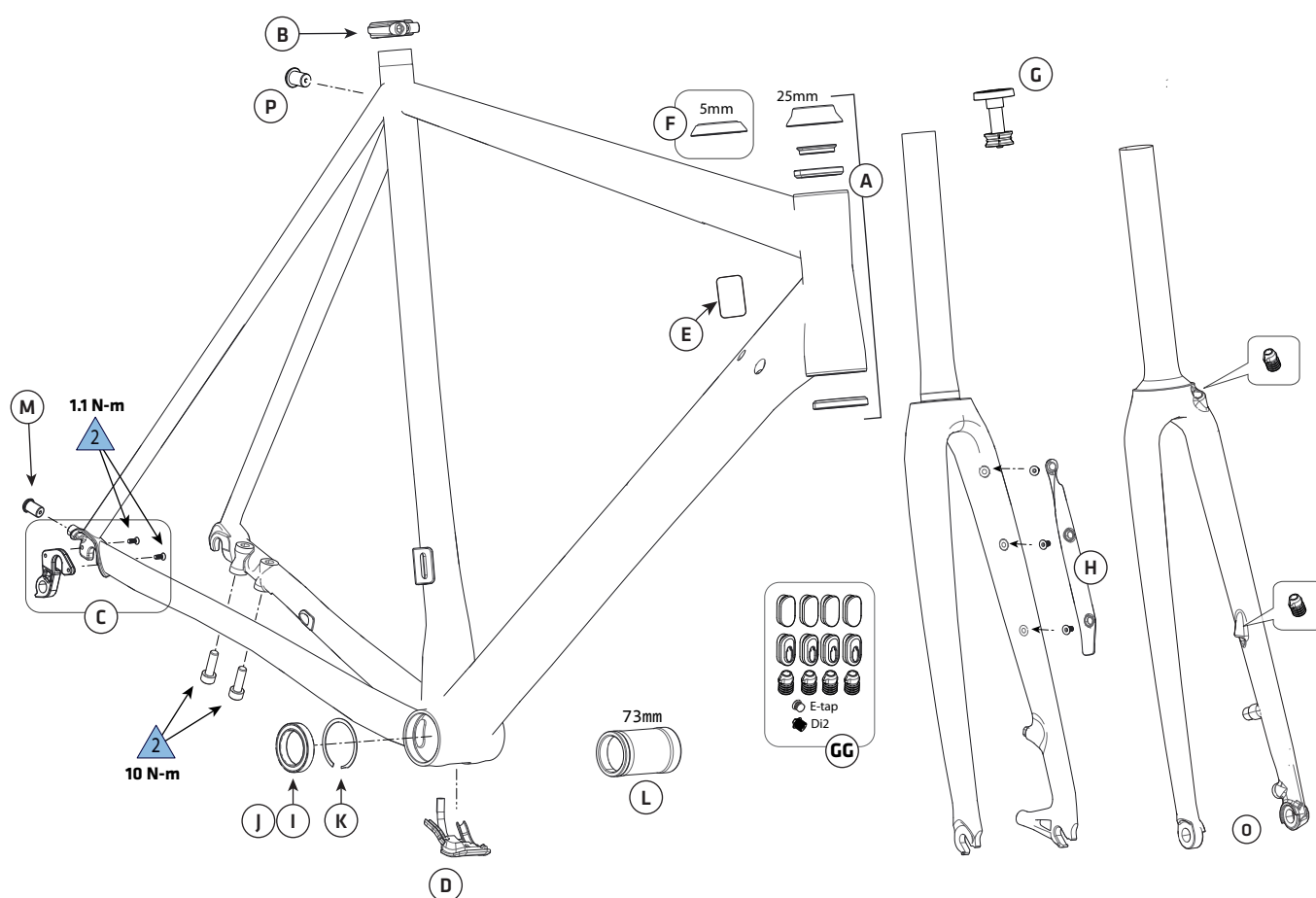
ID	Part Number	Description
--	KF115/	Carbon Seatpost Gel
A	K35098	Headset 1 1/8 to 1 1/4 33mm OD TC
B	KP395/	Derailleur Hanger QR ST SS 031
C	KP396/	Derailleur Hanger QR D2 SS 032
D	KP397/	Seat Binder Road 28 0 BLK
E	KP398/	Supersix Evo 2 Down Tube Cable Stop
F	KP409/	Supersix Evo2 Cable Guides
V	KP269/	Brake Cable Guide Supersix Evo Wmn 44-48
X	KP224/	Rim Brake Cable Guide

ID	Part Number	Description
G	KF103/	Scuffguard (QTY=8)
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 5mm Cap
I	KP193/	Brake Cable Guide Supersix Evo

CAAD 12 (DISC, RIM) 2016-2018

MODEL / MODEL YEAR(S)	CAAD 12 (DISC, RIM) / MY16-18
HEAD TUBE	UPR: 1-1/8 in, LWR: 1-1/4 in
BOTTOM BRACKET: TYPE/ WIDTH	BB30A/73mm
FRONT DERAILLEUR	Braze-on
SEAT POST: DIA./BINDER	25.4mm / 28.0mm
▲ MIN. SEAT POST INSERT	90mm
▲ TIRE SIZE/ MAX. TIRE WIDTH	700 x 28c

BRAKES: MOUNT TYPE/DIA.	Rim: Rim Brake Disc: Flat Mount / 140mm/160mm
AXLES: TYPE/LENGTH	Rim: RR: QR / 130x9mm, FT: QR / 100x9mm Disc: RR: QR / 135x9mm, FT: Thru Axle / 100 X 12mm
▲ INTENDED USE	ASTM CONDITION 1, High-Performance Road
▲ MAX. WEIGHT LIMIT: Lbs/Kg	Total (rider+all equipment): 285/129



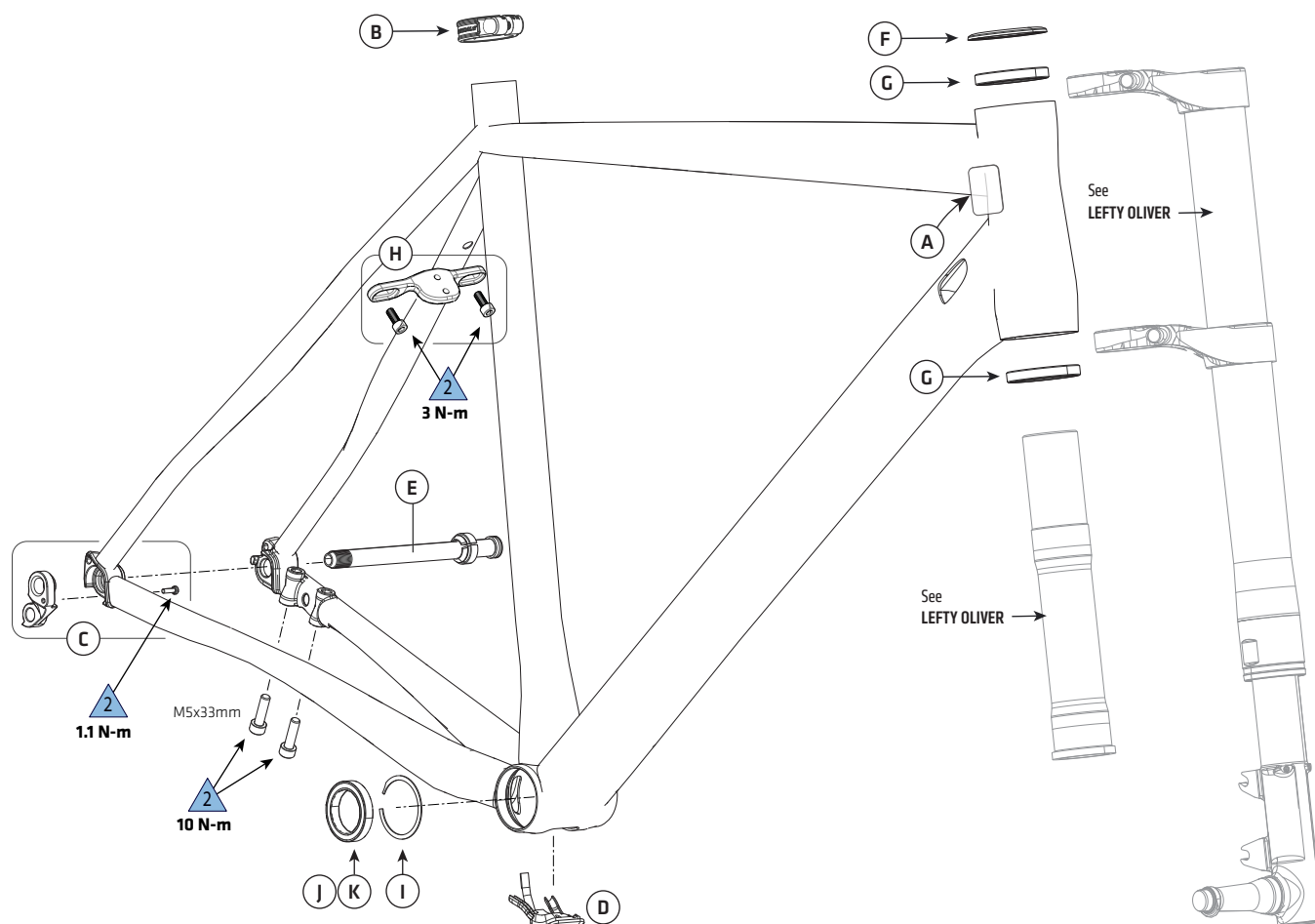
ID	Part Number	Description	DISC	RIM
A	K35068	Headset 11/8 to 11/4 33mm OD Top Cap	✓	✓
B	KP397/	Seat Binder Road 28 0 BLK	✓	✓
--	KF115/	Carbon Seatpost Gel	✓	✓
C	KP255/	Derailleur Hanger QR ST SS 027	✓	✓
D	KP412/	Hydro Road Bottom Bracket Cable Guide	✓	✓
E	KF103/	Scuffguard (QTY=8)	✓	✓
F	KP253/	Top Cover 5mm	✓	✓
G	K35058	SL Compression Plug w/ 5mm Cap	✓	✓

ID	Part Number	Description	DISC	RIM
H	KP428/	CAAD12 Disc Fork Cable Guide	✓	
I	KB6180/	BB30 Bearing Blue (QTY=2)	✓	✓
J	K22037	BB30 Bearing Blue (QTY=24)	✓	✓
K	QC616/	BB Si Circlips (QTY=2)	✓	✓
L	KP010/	SiBB To 73mm Adapter	✓	✓
--	KF368/	BB30A Adapter Install Tool	✓	✓
--	KF366/	SiBB Adapter Extractor Tool	✓	✓
--	KP224/	Head Tube Brake Cable Guide		✓
M	KP302/	Dropout Cable Stop (QTY=20)	✓	✓
GG	K32048	Shift And Brake Grommets		

SLATE 2016-2018

MODEL / MODEL YEAR(S)	SLATE / MY16-18
HEAD TUBE	Cannondale SI
BOTTOM BRACKET: TYPE/ WIDTH	BB30A/73mm
FRONT DERAILLEUR	31.8mm
SEAT POST: DIA./BINDER	27.2mm / 30.9mm
▲ MIN. SEAT POST INSERT	100mm

▲ TIRE SIZE/ MAX. TIRE WIDTH	650b x 42c
BRAKES: MOUNT TYPE/DIA.	Flat Mount / 140mm/160mm
AXLES: TYPE/LENGTH	RR: Maxle / 142mm, FT: Lefty 50 Hub
▲ INTENDED USE	ASTM CONDITION 2, General Purpose Riding
▲ MAX. WEIGHT LIMIT: Lbs/Kg	Total (rider+all equipment): 285/129



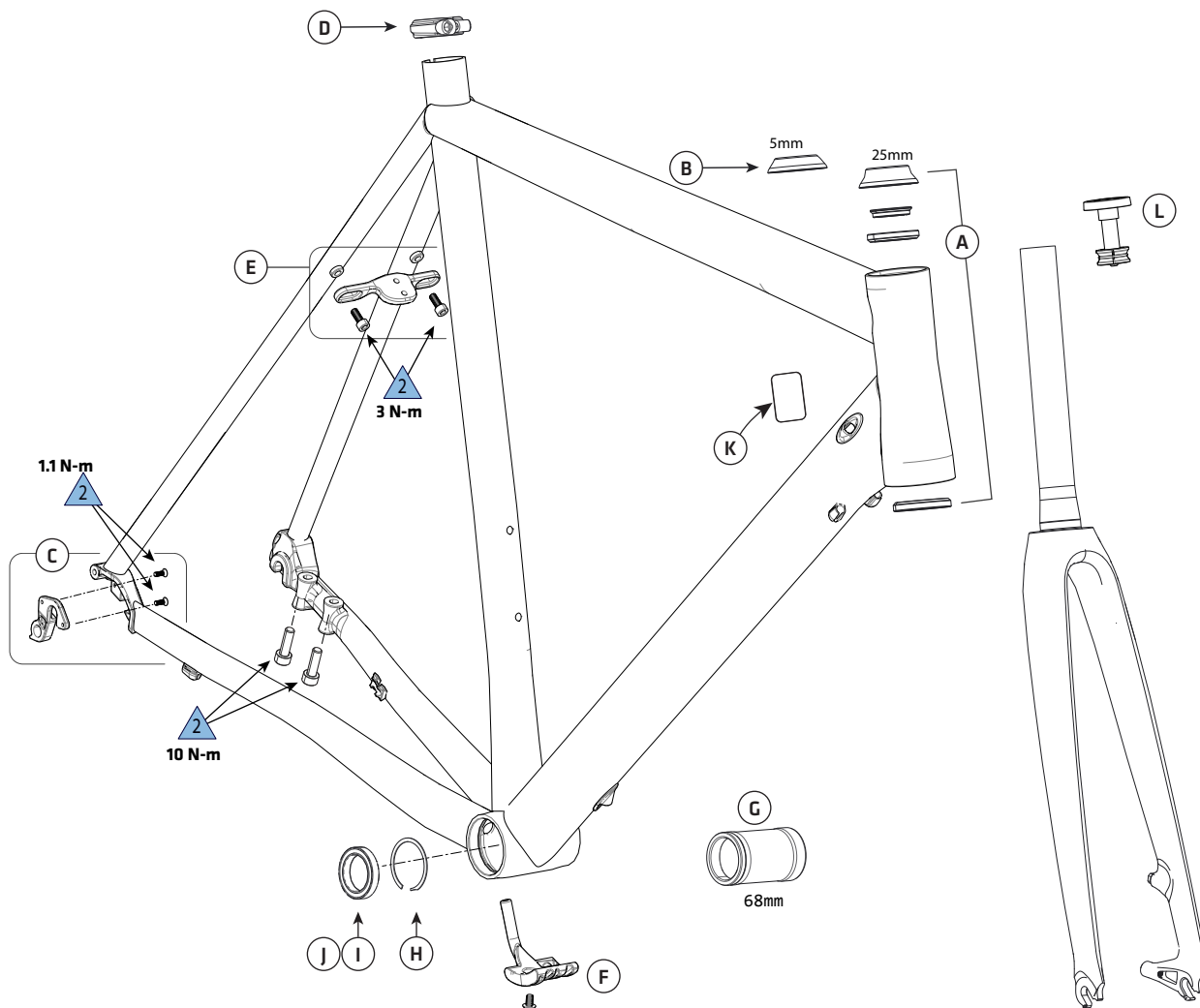
ID	Part Number	Description
--	KF115/	Carbon Seatpost Gel
A	KF103/	Scuffguard (QTY=8)
B	KP159/BLK	Seat Binder Road 30 9 BLK
C	KP419/	Derailleur Hanger TA ST SS 034
D	KP412/	Hydro Road Bottom Bracket Cable Guide
E	KP190/	Axle Syntace X12 142x12mm

ID	Part Number	Description
F	QSISEAL/	Seal Upper Bearing 58mm OD
G	HD169/	Bearings 1.56 Headset (QTY=2)
H	CK3317U000S	Seatstay Fender Mount
I	QC616/	BB Si Circlips (QTY=2)
J	KB6180/	BB30 Bearing Blue (QTY=2)
K	K22037	BB30 Bearing Blue (QTY=24)

OPTIMO (DISC, RIM) 2017-2018

MODEL / MODEL YEAR(S)	OPTIMO (DISC) / MY17-18
HEAD TUBE	UPR: 1-1/8 in, LWR: 1-1/4 in
BOTTOM BRACKET: TYPE/ WIDTH	BB30 / 68mm, BSA / 68mm
FRONT DERAILLEUR	31.8mm clamp
SEAT POST: DIA./BINDER	27.2mm / 30.9mm
▲ MIN. SEAT POST INSERT	90mm
▲ TIRE SIZE/ MAX. TIRE WIDTH	700 x 28c

BRAKES: MOUNT TYPE/DIA.	RIM: Rim brake DISC: Flat mount / 140/160mm
AXLES: TYPE/LENGTH	RIM: RR: QR / 130x9mm, FT: QR / 100x9mm DISC: RR: QR / 135x9mm, FT: QR / 100x9mm
▲ INTENDED USE	ASTM CONDITION 1, High-Performance Road
▲ MAX. WEIGHT LIMIT: Lbs/Kg	Total (rider+all equipment): 285/129



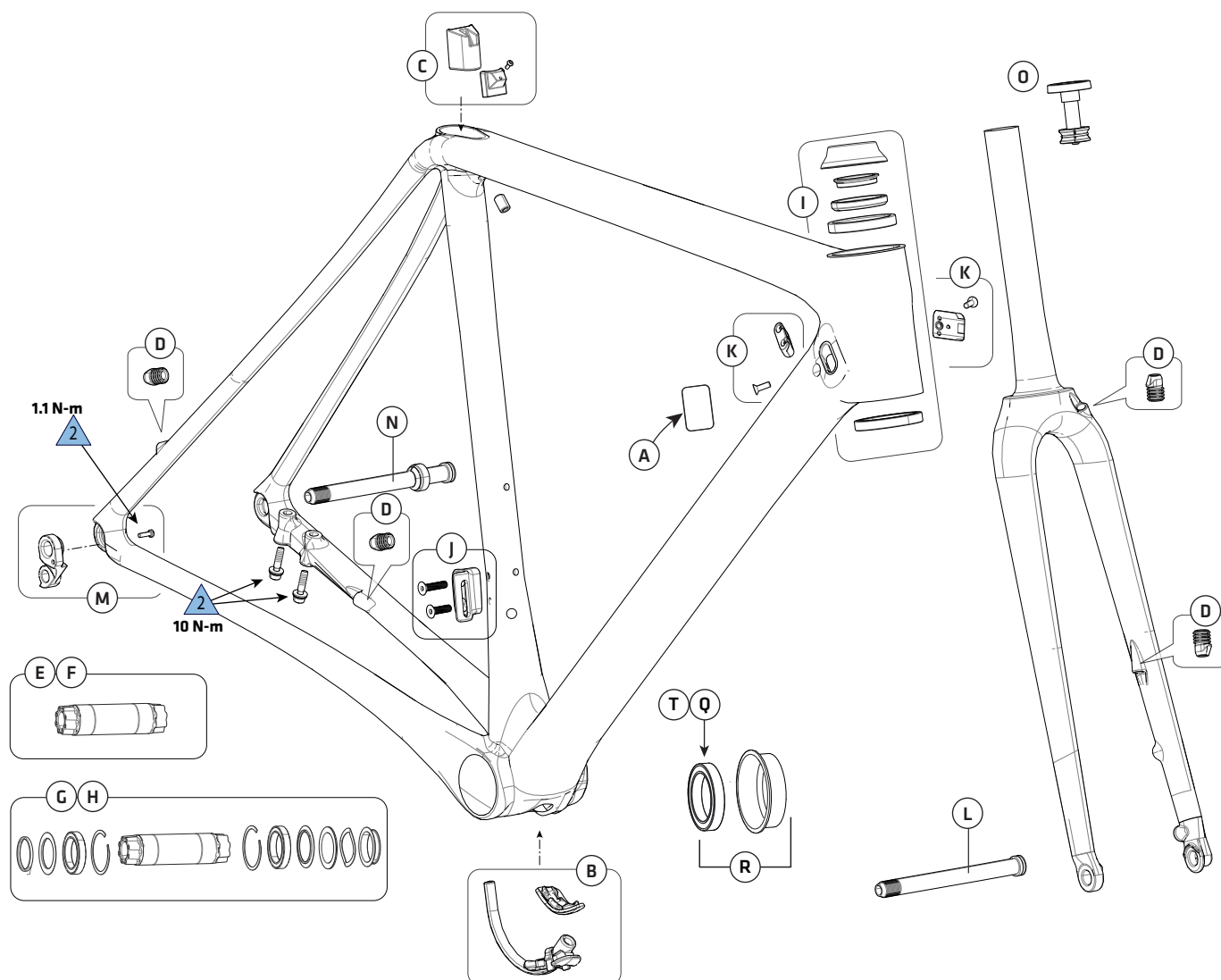
ID	Part Number	Description	DISC	RIM
--	KF115/	Carbon Seatpost Gel	✓	✓
A	CK3557U000S	CAADX/Optimo Headset	✓	✓
B	KP253/	Top Cover 5mm	✓	✓
C	KP255/	Derailleur Hanger QR ST SS 027	✓	✓
D	KP159/BLK	Seat Binder Road 30 9 BLK	✓	✓
E	CK3317U000S	Seatstay Fender Mount	✓	
F	CK3377U000S	CAADX/Optimo Bottom Bracket Cable Guide	✓	✓
G	KP009/	SiBB To 68mm Adapter	✓	

ID	Part Number	Description	DISC	RIM
--	KF365/	SiBB 68mm 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)	✓	✓

SUPERX 2017-2018

MODEL / MODEL YEAR(S)	SUPERX / MY17-18
HEAD TUBE	1.5
BOTTOM BRACKET: TYPE/ WIDTH	PF30A / 83mm
FRONT DERAILLEUR	Braze-on
SEAT POST: DIA./BINDER	25.4mm
▲ MIN. SEAT POST INSERT	90mm
▲ TIRE SIZE/ MAX. TIRE WIDTH	700 x 40c

BRAKES: MOUNT TYPE/DIA.	RR: Flat Mount 160/140mm FT: Post Mount 160/140mm
AXLES: TYPE/LENGTH	RR: Thru Axle / 142x12mm FT: Thru Axle / 100x12mm
▲ INTENDED USE	ASTM CONDITION 2, General Purpose Riding, Cyclocross
▲ MAX. WEIGHT LIMIT: Lbs/Kg	Total (rider+all equipment): 330/150



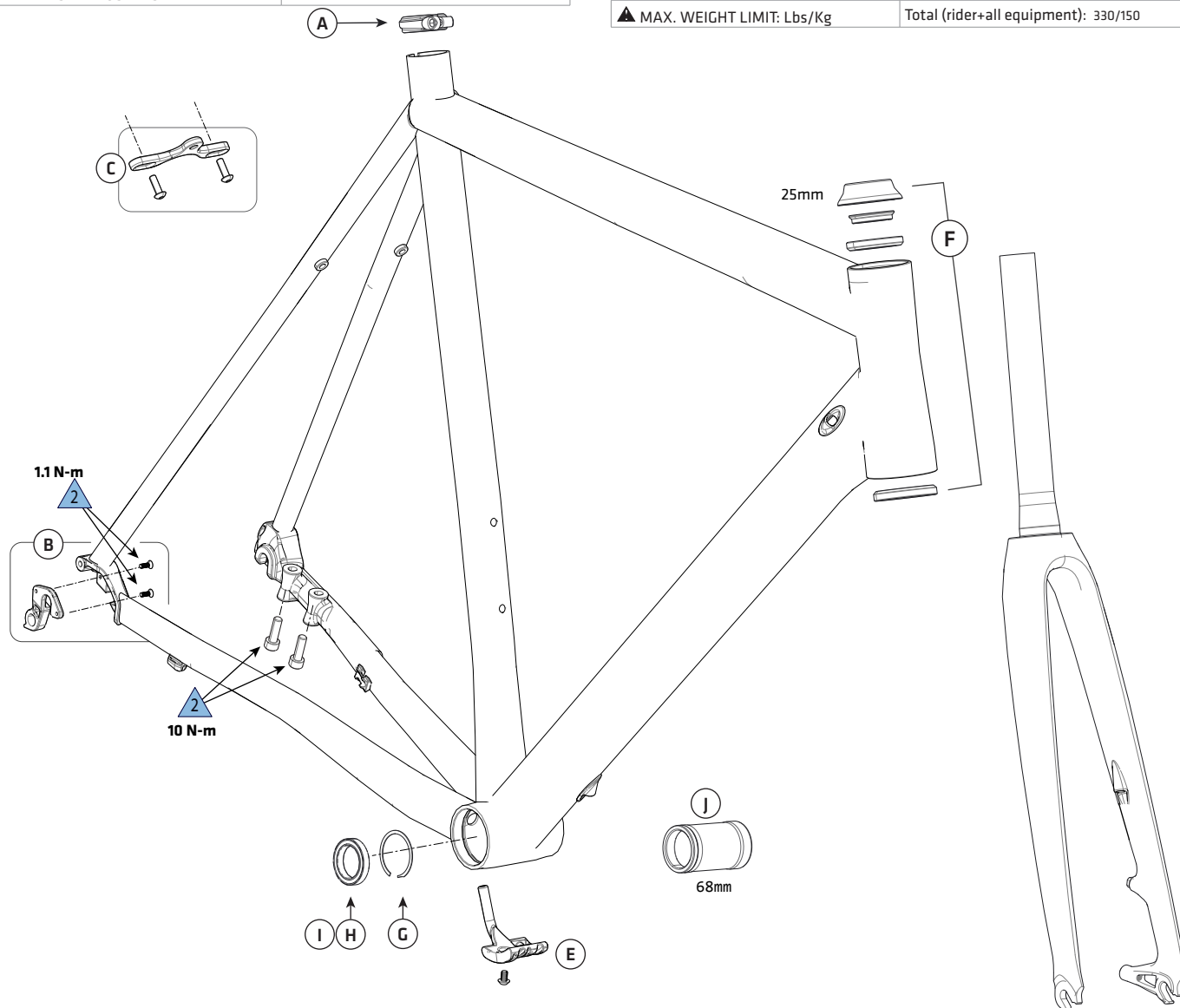
ID	Part Number	Description
--	KF115/	Carbon Seatpost Gel
A	KF103/	Scuffguard (QTY=8)
B	KP447/	Super X Bottom Bracket Cable Guide
C	KP448/	Internal Seat Post Wedge 25 4
D	KP449/	Rubber Plugs Super X
E	KP450/	Hollowgram Spindle 119mm Ai (1X)
F	KP451/	Hollowgram Spindle 125mm Ai (2X)
G	KP452/	Complete BB 119 Ai
H	KP453/	Complete BB 125 Ai
I	KP454/	SuperX 1.5 Headset

ID	Part Number	Description
J	KP455/	SuperX Front Derailleur Mount
K	KP456/	SuperX Head Tube Jeffy Guide
L	KP457/	SuperX Front Thru Axle (MAXLE)
M	KP419/	Derailleur Hanger TA ST SS 034
N	KP190/	Axle Syntace X12 142x12mm
O	K35058	SL Compression Plug With 5mm Cap
Q	KB6180/	BB30 Bearing Blue (QTY=2)
R	KP197/SRM	PF30 Bottom Bracket Cups And Bearings
T	K22037	BB30 Bearing Blue (QTY=24)

CAADX 2017-2018

MODEL / MODEL YEAR(S)	CAADX / MY17-18
HEAD TUBE	UPR: 1 -1/8 in., LWR: 1 -1/4 in.
BOTTOM BRACKET: TYPE/ WIDTH	BB30 / 68mm
FRONT DERAILLEUR	31.8mm clamp
SEAT POST: DIA./BINDER	27.2mm / 30.9mm
▲ MIN. SEAT POST INSERT	100mm

▲ TIRE SIZE/ MAX. TIRE WIDTH	700x35c
BRAKES: MOUNT TYPE/DIA.	Flat mount / 140mm
AXLES: TYPE/LENGTH	RR: QR /135x9mm FT: QR /100x9mm
▲ INTENDED USE	ASTM CONDITION 2, General Purpose Riding, Cyclocross
▲ MAX. WEIGHT LIMIT: Lbs/Kg	Total (rider+all equipment): 330/150



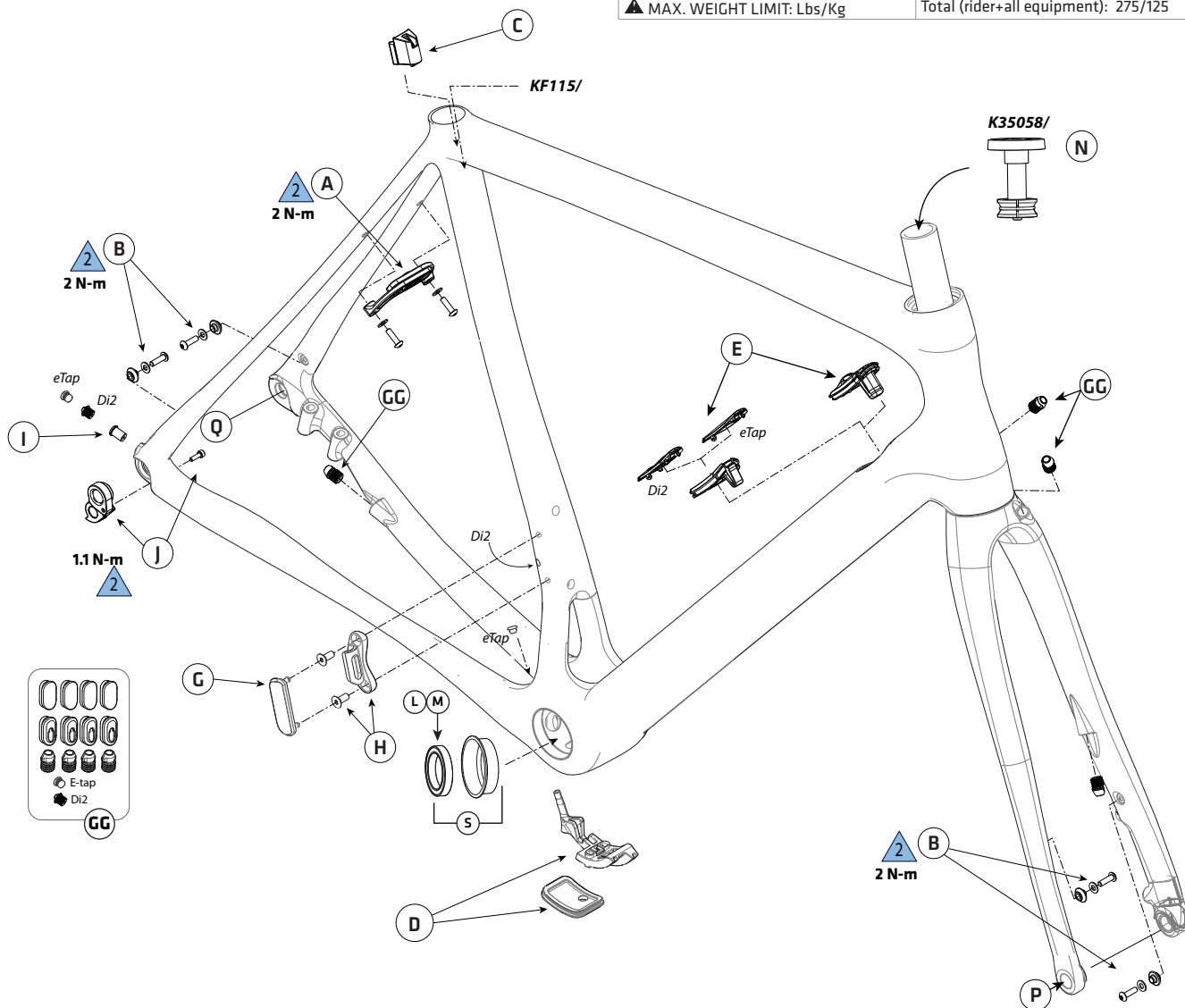
ID	Part Number	Description
A	KP159/BLK	Seat Binder Road 30 9 BLK
B	KP255/	Derailleur Hanger QR ST SS 027
C	CK3317U000S	Seatstay Fender Mount
E	CK3377U000S	CAADX/Optimo BB Cable Guide
F	CK3557U000S	CAADX/Optimo Headset
G	QC616/	BB Si Circlips (QTY=2)

ID	Part Number	Description
H	KB6180/	BB30 Bearing Blue (QTY=2)
I	K22037	BB30 Bearing Blue (QTY=24)
J	KP009/	SiBB To 68mm Adapter

SYNAPSE CARBON (DISC) 2018

MODEL / MODEL YEAR(S)	SYNAPSE CARBON DISC / MY18
HEAD TUBE	See Table.
BOTTOM BRACKET: TYPE/ WIDTH	BB30A/73mm
FRONT DERAILLEUR	Braze-on
SEAT POST: DIA./BINDER	25.4mm
▲ MIN. SEAT POST INSERT	65mm

▲ TIRE SIZE/ MAX. TIRE WIDTH	700x32mm
BRAKES: MOUNT TYPE/DIA.	Flat Mount, 140mm/160mm
AXLES: TYPE/LENGTH	RR: Thru Axle / 142x12mm, FT: Thru Axle / 100x12mm
▲ INTENDED USE	ASTM CONDITION 1, High-Performance Road
▲ MAX. WEIGHT LIMIT: Lbs/Kg	Total (rider+all equipment): 275/125



ID	Part Number	Description
--	KF115/	Carbon Seatpost Gel
A	CK1168U100S	Adjustable Fender Bridge BLK
B	K11018	Road Fender Mount Hardware
C	KP448/	Internal Seat Post Wedge 25.4
D	CK3588U000S	BB Cable Guide
E	CK3568U000S	Synapse CRB DT Cable Guide
GG	K32048	Shift And Brake Grommets
G	CK3578U000S	Synapse CRB FD 1X Cover
H	CK3598U000S	Synapse CRB FD Hanger
I	KP302/	Dropout Cable Stop (QTY=20)
J	KP419/	Der Hanger X12
	K35018	1 1/8 CRB Headset No Crown Race
	K35028	1 1/4 CRB Headset No Crown Race

ID	Part Number	Description
	K35038	1 3/8 Crb Headset No Crown Race
L	KB6180/	Bearing BB Si 2PCS BLU
M	K22037	BB30 Bearing Blue (QTY=24)
O	KP197/SRM	PF30 Bottom Bracket Cups and Bearings
--	K83038	Ratchet Lever Maxle 100x12 125mm
--	K83048	Adjustable Lever Maxle 100x12 125mm
--	K83058	Ratchet Lever Syntace 142x12 165mm
--	K83068	Adjustable Lever Syntace 142x12 165mm
N	K35058	SiSL Compression Assy.
--	KF367/	Chain Stay Protect Synapse
P	K83038	Ratchet Lever Maxle 100X12 125mm
Q	K83058	Ratchet Lever Syntace 142x12 165mm

SYNAPSE CARBON (DISC) 2018

Synapse Carbon (Disc)

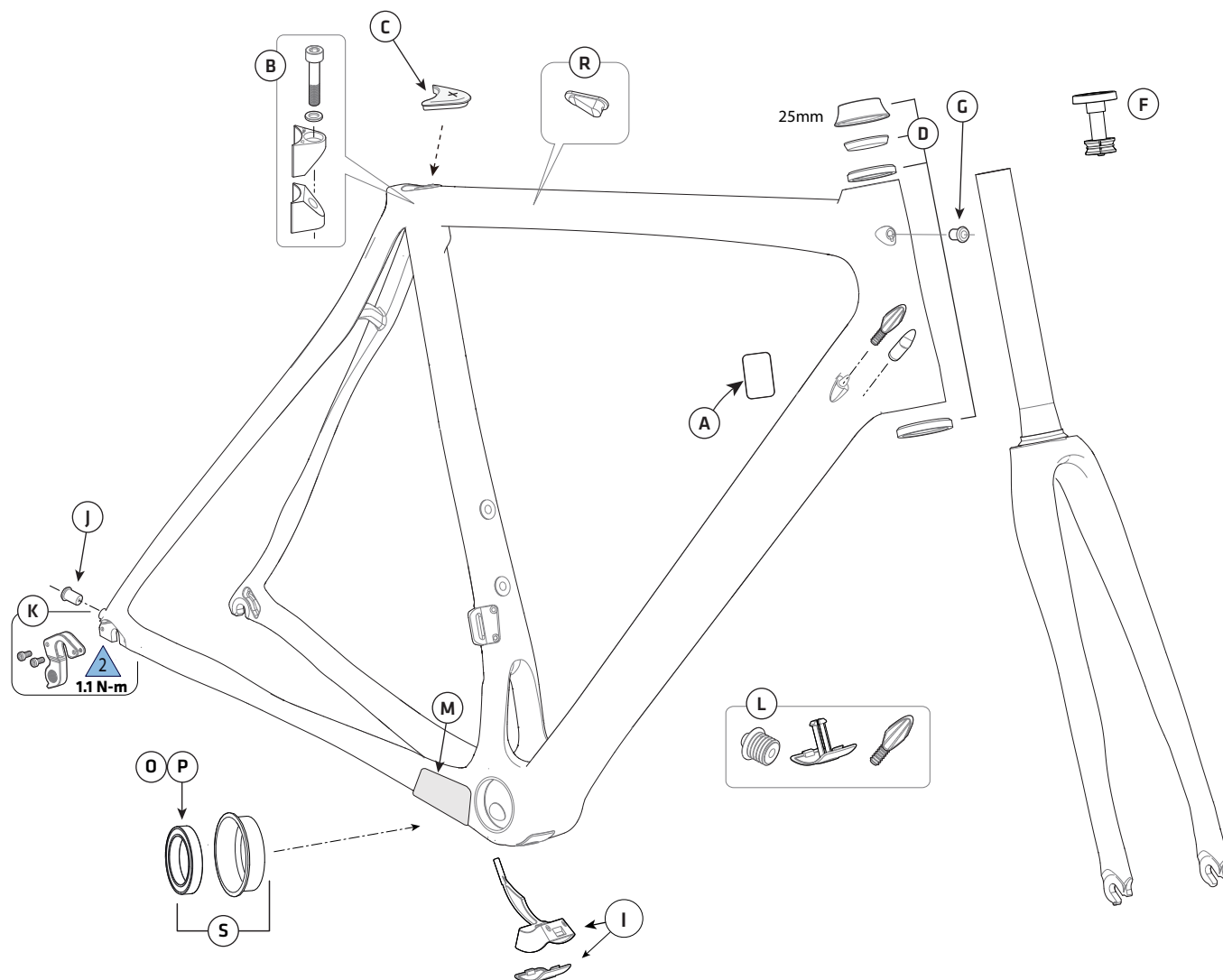
Headset Bearings - (size specific)

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, 48.9MM O.D. FSA - MR031 Cannondale - K35038	45	54
51, 54	1 1/8 in, ACB 45/45, 41.8mm O.D., FSA - MR121 Cannondale- K35018	1 1/4 in, ACB 45/45, 46.8mm OD, FSA - MR082 Cannondale - K35028	55	52
44, 48		1 1/8 in, ACB 45/45, 41.8mm OD , FSA MR121 / Cannondale - K35018	60	50

SYNAPSE CARBON (RIM) 2014-2018

MODEL / MODEL YEAR(S)	SYNAPSE CARBON RIM / MY14-18
HEAD TUBE	UPR: 1-1/8 in, LWR: 1-1/4 in
BOTTOM BRACKET: TYPE/ WIDTH	BB30A/73mm
FRONT DERAILLEUR	Braze-on
SEAT POST: DIA./BINDER	25.4mm
▲ MIN. SEAT POST INSERT	90mm
▲ TIRE SIZE/ MAX. TIRE WIDTH	700x28c

BRAKES: MOUNT TYPE/DIA.	Rim
AXLES: TYPE/LENGTH	RR: QR / 130x9mm, FT: QR / 100x9mm
▲ INTENDED USE	ASTM CONDITION 1, High-Performance Road
▲ MAX. WEIGHT LIMIT: Lbs/Kg	Total (rider+all equipment): 285/129



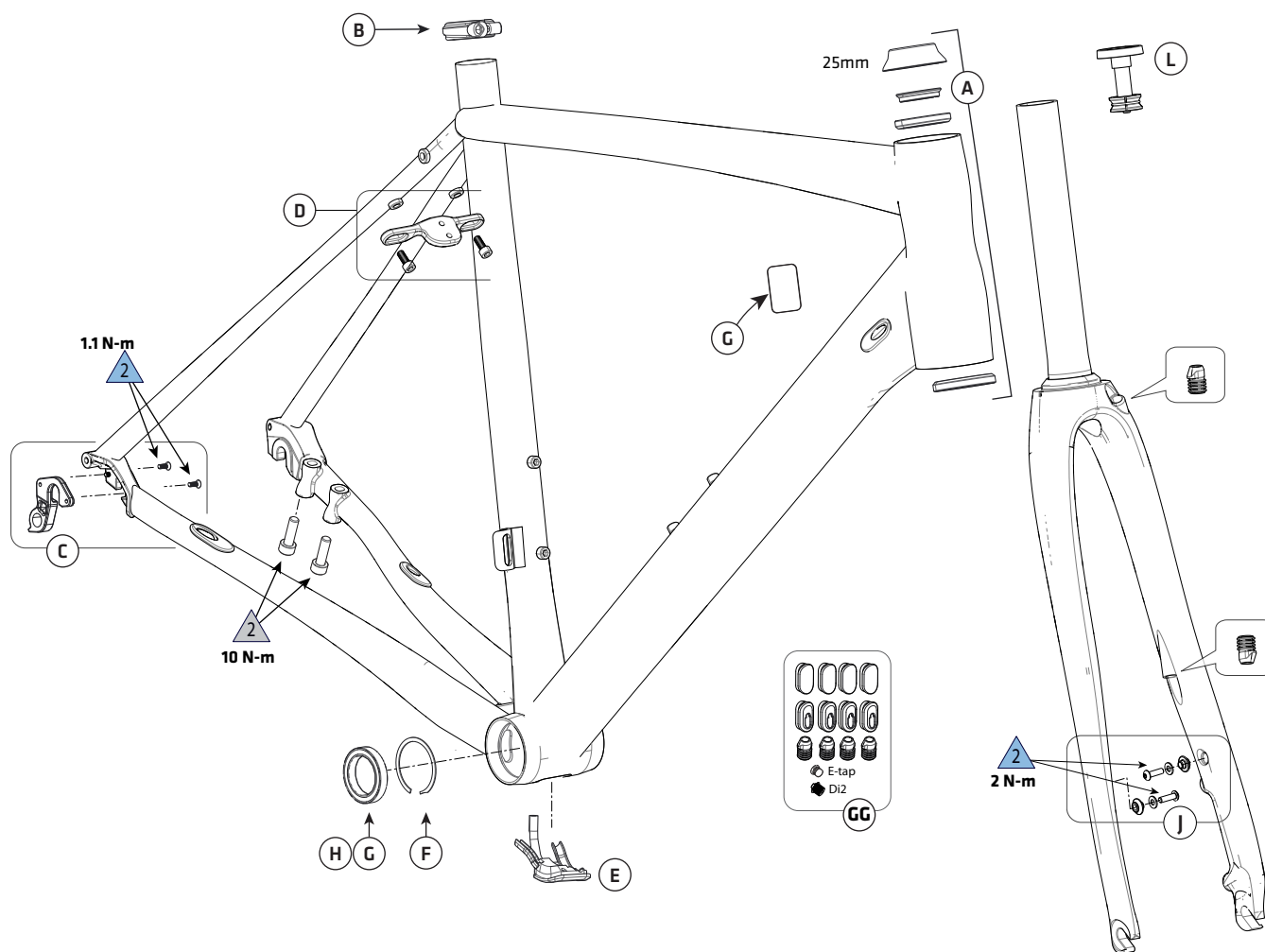
ID	Part Number	Description
--	KF115/	Carbon Seatpost Gel
A	KF103/	Scuffguard (QTY=8)
B	KP300/	Synapse Seatpost Wedge
C	KP301/	Synapse Wedge Cover (QTY=10)
D	K35068	Headset 1 1/8 to 1 1/4 33mm OD Top Cap
--	KP156/	1 1/4 Bearing Crown Race
F	K35058	SL Compression Plug With 5mm Cap
G	KP224/	Head Tube Brake Cable Guide
I	KP299/	Synapse Mech Bottom Bracket Cable Guide
J	KP302/	Dropout Cable Stop (QTY=20)

ID	Part Number	Description
K	KP158/	Derailleur Hanger QR ST DS 025
L	KP298/	Synapse Di2 Plugs Bottom Bracket Cover
M	KF367/	Chain Stay Protect Synapse
O	KB6180/	BB30 Bearing Blue (QTY=2)
P	K22037	BB30 Bearing Blue (QTY=24)
R	KP063/	Top Tube Internal Brake Cable Guide
S	KP197/SRM	PF30 Bottom Bracket Cups and Bearings

SYNAPSE ALLOY (DISC) 2018

MODEL / MODEL YEAR(S)	SYNAPSE ALLOY DISC / MY18
HEAD TUBE	UPR: 1-1/8 in, LWR: 1-1/4 in
BOTTOM BRACKET: TYPE/ WIDTH	BB30 / 68mm
FRONT DERAILLEUR	Braze-on
SEAT POST: DIA./BINDER	25.4mm / 28.0mm
▲ MIN. SEAT POST INSERT	90mm

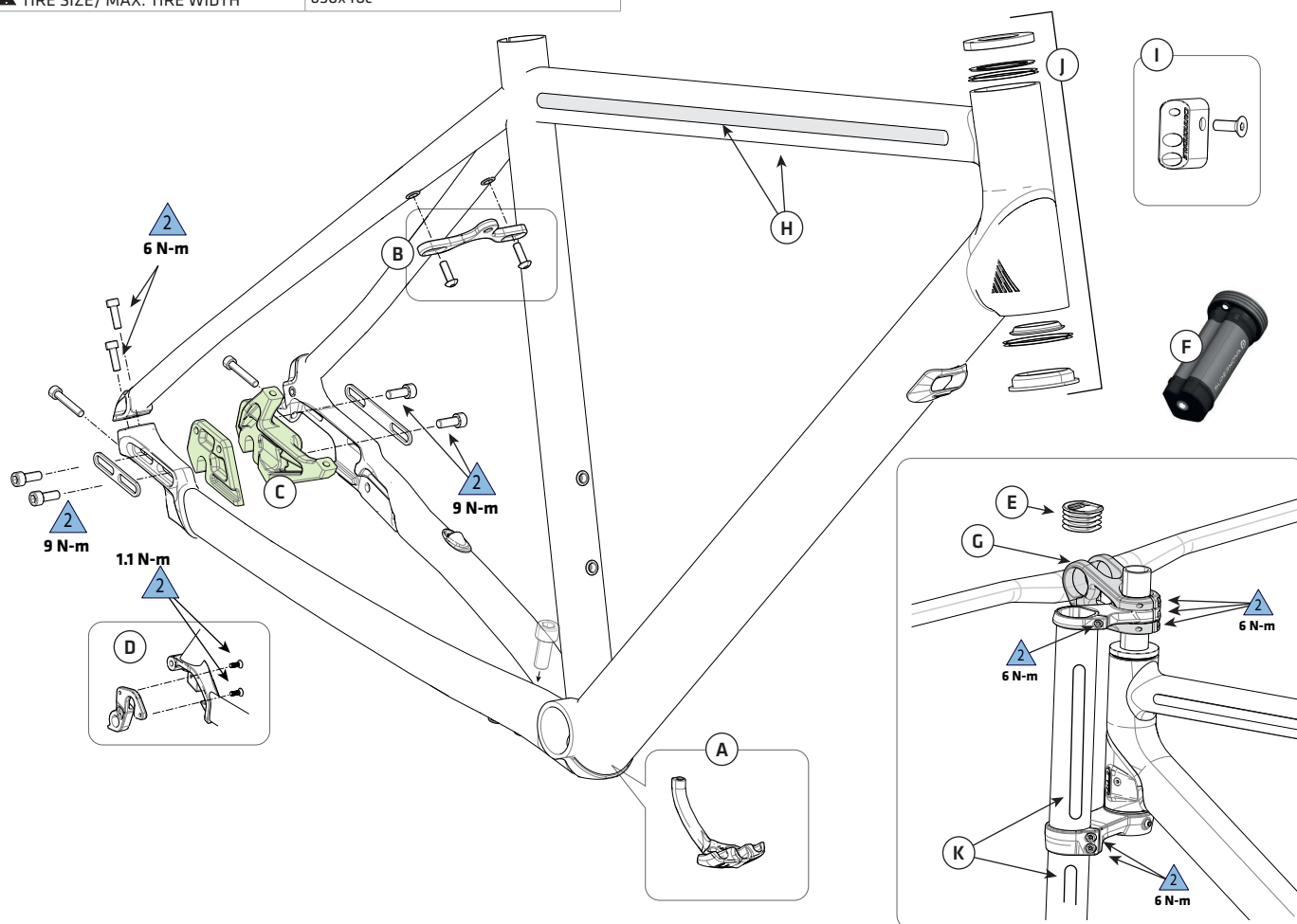
▲ TIRE SIZE/ MAX. TIRE WIDTH	700x32mm
BRAKES: MOUNT TYPE/DIA.	Flat Mount, 140mm/160mm ????
AXLES: TYPE/LENGTH	RR: QR / 135x9mm, FT: QR / 100x9mm
▲ INTENDED USE	ASTM CONDITION 1, High-Performance Road
▲ MAX. WEIGHT LIMIT: Lbs/Kg	Total (rider+all equipment): 285/129



ID	Part Number	Description
--	KF115/	Carbon Seatpost Gel
A	K35028	1 1/4 CRB Headset No Crown Race
B	KP397/	Seat Binder Road 28 0 BLK
C	KP255/	Derailleur Hanger QR ST SS 027
D	CK1168U100S	Adjustable Fender Bridge BLK
E	KP412/	Hydro Road Bottom Bracket Cable Guide
F	QC616/	BB Si Circlips (QTY=2)

ID	Part Number	Description
G	K22037	BB30 Bearing Blue (QTY=24)
H	KB6180/	BB30 Bearing Blue (QTY=2)
GG	K32048	Shift And Brake Grommets
J	K11018	Road Fender Mount Hardware
L	K35058	SL Compression Plug With 5mm Cap

MODEL / MODEL YEAR(S)	BAD BOY / MY17-18	BRAKES: MOUNT TYPE/DIA.	Flat Mount: 160/160mm
HEAD TUBE	1-1/8 in, semi-integrated	RR DROPOUT WIDTH	135mm
BOTTOM BRACKET: TYPE/ WIDTH	BSA/ 68mm	INTENDED USE	ASTM CONDITION 2, General Purpose Riding
FRONT DERAILLEUR	35 mm Clamp style	MAX. WEIGHT LIMIT: Lbs/Kg	Total (rider+all equipment): 285/129
SEAT POST: DIA./BINDER	31.6mm		
MIN. SEAT POST INSERT	100mm		
TIRE SIZE/ MAX. TIRE WIDTH	650x40c		

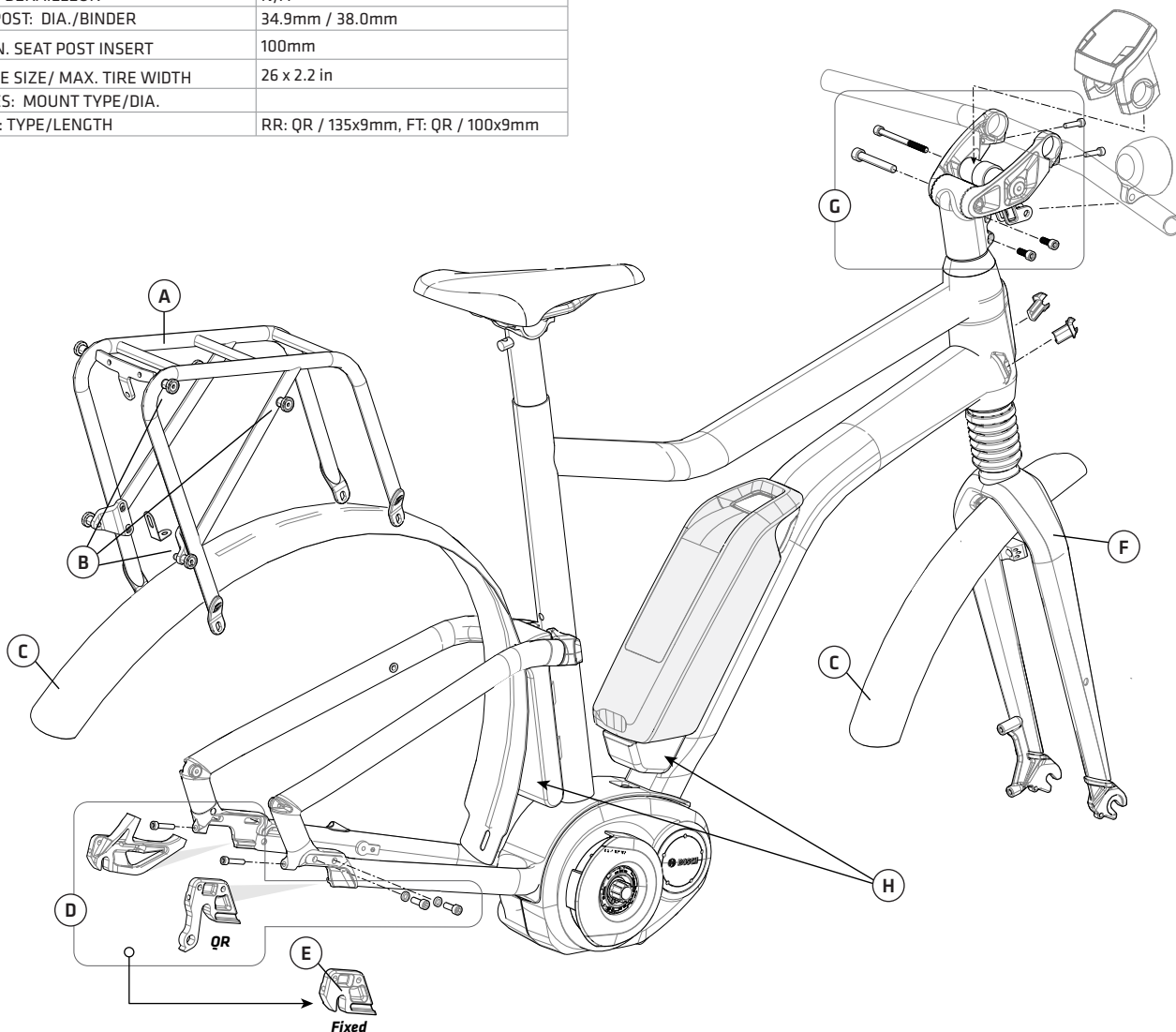


ID	Part Number	Description	Light Pipe Rigid Lefty		Rigid Lefty
			Belt Drive	Chain	
--	KF103/	Scuffguard (QTY=8)	✓	✓	✓
A	CK3307U000S	Bad Boy Bottom Bracket Cable Guide		✓	✓
B	CK3317U000S	Bad Boy Fender Mount	✓	✓	✓
C	CK3327U000S	Derailleur Hanger QR SS DS 016	✓		
D	KP255/	Derailleur Hanger QR ST SS 027		✓	✓
E	CK5357U000S	Bad Boy Lefty Rigid Plug			✓
F	CK5337U000S	Bad Boy Lefty Light Pipe Battery	✓	✓	
G	CK2107U00060	Bad Boy Stem 60mm	✓	✓	✓
H	K34018	Bad Boy Top Tube Scuff Guard	✓	✓	✓
I	KP436/	Modular Cable Guides	✓	✓	✓
J	KP319/	Headset 11/8 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	✓	✓	

CONTRO-E 2017-2018

MODEL / MODEL YEAR(S)	CONTRO-E / MY17-18
HEAD TUBE	Cannondale Si
BOTTOM BRACKET: TYPE/ WIDTH	Bosch Performance Speed 250W Drive Unit
FRONT DERAILLEUR	N/A
SEAT POST: DIA./BINDER	34.9mm / 38.0mm
▲ MIN. SEAT POST INSERT	100mm
▲ TIRE SIZE/ MAX. TIRE WIDTH	26 x 2.2 in
BRAKES: MOUNT TYPE/DIA.	
AXLES: TYPE/LENGTH	RR: QR / 135x9mm, FT: QR / 100x9mm

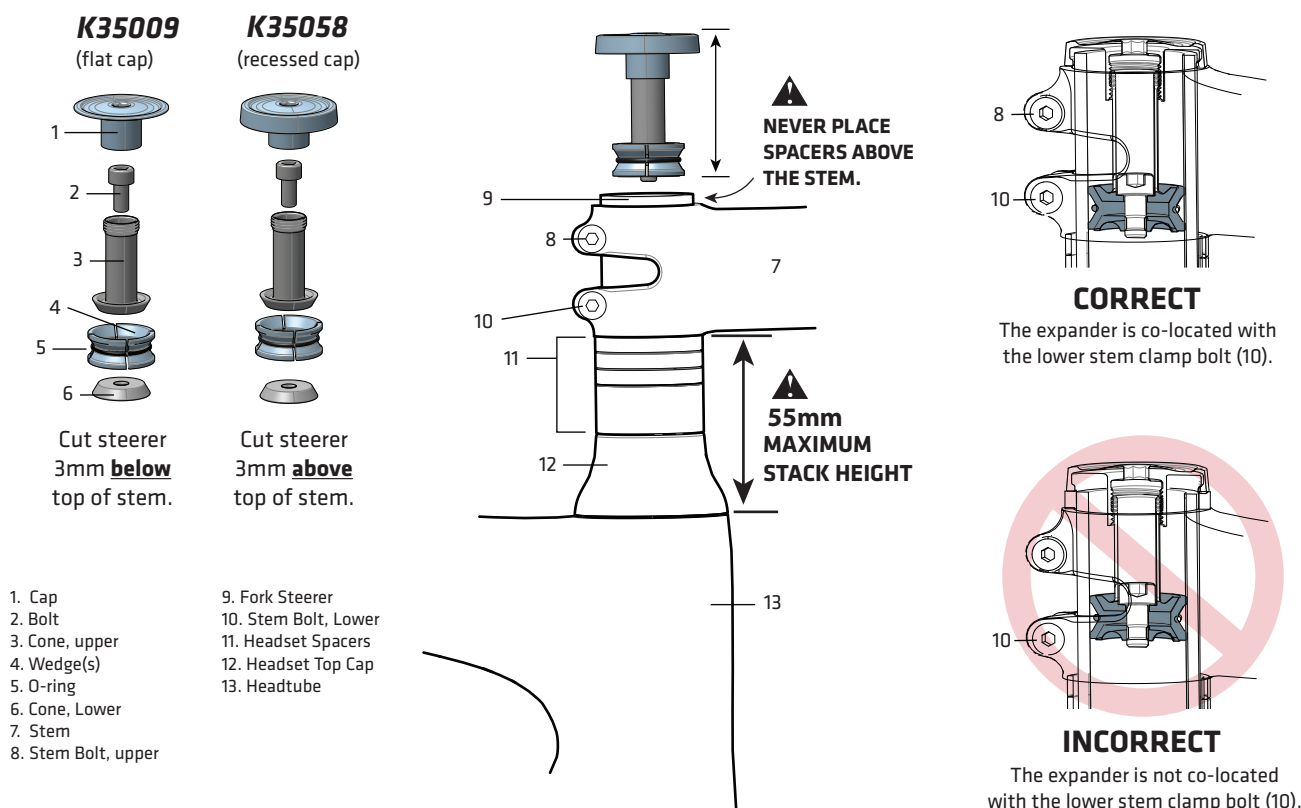
▲ INTENDED USE	ASTM CONDITION 2, General Purpose Riding, Cyclocross
▲ MAX. WEIGHT LIMIT: Lbs/Kg	Total (rider+all equipment): 330/150



ID	Part Number	Description
A	KP358/	Rack Contro BLK
B	KA058/	Plugs Contro Rack Ortlieb QL3
E	CK3327U000S	Derailleur Hanger QR SS DS 016
D	KP357/	Derailleur Hanger QR ST RH 061
F	HF15LARIG/26/BLK	15 Headshok DL50 Disc E-Contro 26 BLK
G	KA063/	Stem Cdale Adj E-Contro 135mm 1.5
--	HD169/	Bearings 1.56 Headset (QTY=2)

ID	Part Number	Description
H	KP377/	Frame Lock E Contro 24
--	KP378/	Plastic Inserts E Contro 24
--	KP380/	Chainstay Grommets E Contro 24
--	KA056/	SI Kickstand 40mm Mount Plate BLK

SL COMPRESSION PLUG KITS



Installation

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

If **K35009**, cut the fork steerer so that it is 3mm below the top of the stem.
- Assemble the fork, headset, spacers, and stem into the head tube. Finger tighten the stem bolts.
- Adjust the overall length of the compression plug assembly by threading the cap on the upper cone.
- Insert the compression assembly into the steerer tube. Make sure that when inserted, the expander wedges part of the plug co-locates at the lower stem clamp bolts, as shown above right. Adjust the length if necessary.
- Insert an 4mm Allen key through the hole in the cap and into the expander bolt. Tighten the expander bolt to 4 N-m with a torque wrench to secure it within the steerer ID.
- Insert a 5mm allen key inserted into the cap. Turn it clockwise slowly to compress the headset, stem and fork parts together. Stop when the preferred preload is achieved.
- 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.

Compatibility

Part Number	Compatible
K35009, K35058	2018 carbon steerer forks
KP107/	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 manufacturer's instructions directing the use of a "spacer" on top of the stem.

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

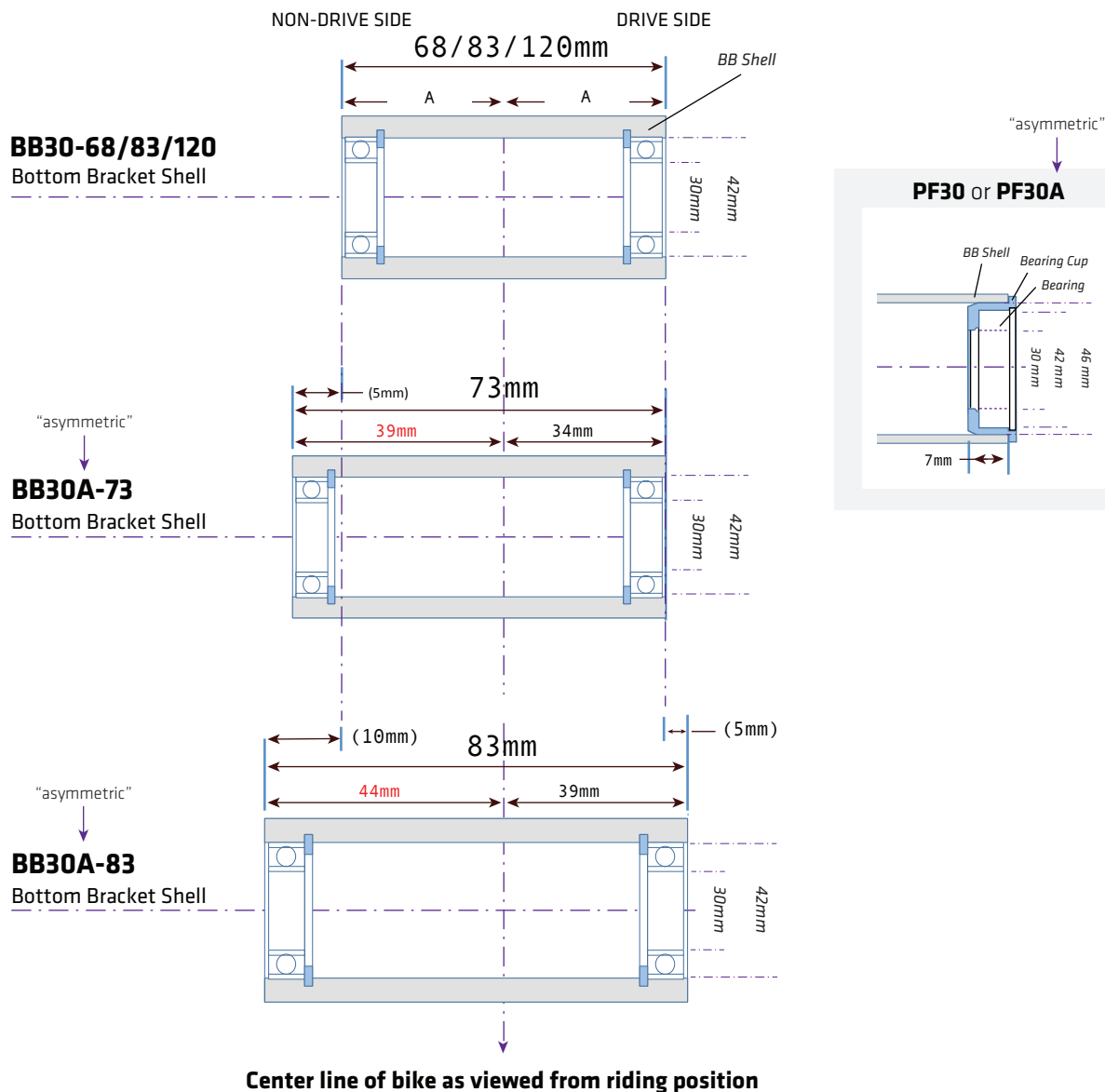
WARNING

NEVER INSTALL SPACERS ON TOP OF THE STEM!

DO NOT EXCEED MAXIMUM 55mm 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.

BOTTOM BRACKET INFO



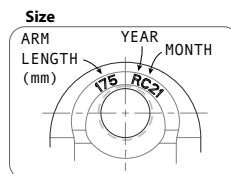
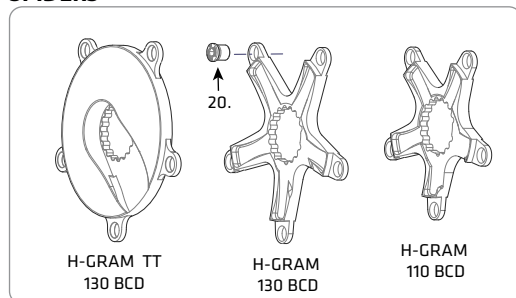
CATEGORY	ROAD		CYCLOCROSS		MTB		FAT	
Si BB Type /Shell Width	BB30-68	BB30A-73	BB30A-73	BB30A-83	BB30-73	BB30-83	BB30-120	BB30-120
Si Spindle Length	109	109	119	125	137	137	160	166
BB Shell Width	68	73	83	83	73	83	120	120
Asymmetric? No/Yes	NO	YES	YES	YES	NO	NO	NO	NO
BB Shell Center - Left (Non-Drive) **	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	7.5	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).

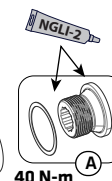
** This dimension relative to the BB shell itself, not the center line of the bike

HOLLOWGRAM ROAD 2018

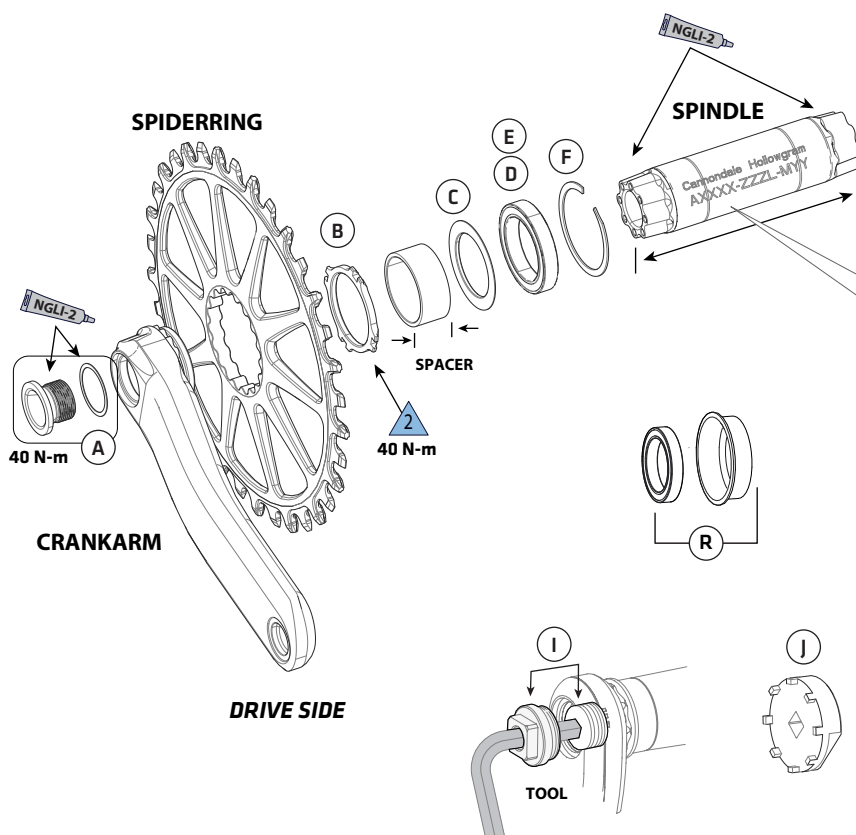
SPIDERS

NON-DRIVE
SIDE

CRANKARM



SPIDERRING



Size

Cannondale Hollowgram

Axxxx-zzzl-myy

MFG CODE

LENGTH (mm)

DATE CODE

Small Parts & Service Tools

ID	Part Number	Description
A	KP251/BLK	CRANK BOLTS,H-GRAM SL2 SET
B	KP021/	LOCKRING SL
C	KP249/BLK	BEARING SHIELD, BB-SL2
F	QC616/	BB SI CIRCLIPS (QTY=2)
G	QC617/	SHIMS-PLASTIC, BB-SI; INCL 5 SHIMS
H	QC618/	WASHER-WAVE, BB-SI

ID	Part Number	Description
I	KT013/	CRANK EXTRACTION TOOL; 2 PCS
J	KT012/	TOOL-LOCK RING-SI
K	KT010/	TOOL-BB BEARING-SI;
L	KT011/	TOOL - BEARING REMOVAL SI
R	KP197/SRM	PF30 Bottom Bracket Cups And Bearings
D	KB6180/	BB30 BEARING Blue (QTY=2)
E	K22037	BB30 BEARING Blue (QTY=24)

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

HOLLOWGRAM ROAD 2018

Complete BB Kits

Part Number	Description	2018				
		Platform	BB Type	BB Width (mm)	Spacer Width (mm)	
KP248/	COMPLETE BB, 68X109 BB30/PF30	CAAD 12	BB30A	73	2.6	2.5
		CAAD X	BB30	68	2.6	7.5
		Slate	BB30A	73	2.6	2.5
		Slice	BB30A	73	2.6	2.5
		SuperSix EVO	BB30A	73	2.6	2.5
		Synapse Alloy	BB30	68	2.6	7.5
		Synapse Carbon	BB30A	73	2.6	2.5
KP452/	COMPLETE BB, 119,  SUPER X, 1X CHAINRING	SuperX	PF30A	83	2.6	1X - 7.5
KP453/	COMPLETE BB, 125,  SUPER X, 2X CHAINRING	SuperX	PF30A	83	5.6	2X - 5.5

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 SiSL	Hollowgram Si	Cannondale Si	Hollowgram SiSL	Hollowgram Si	Cannondale Si
165	x	x	KP423/165R	x	x	KP423/165L
170	K2202770	KP305/170R	KP423/170R	K2201770	KP305/170L	KP423/170L
172	K2202772	KP305/172R	KP423/172R	K2201772	KP305/172L	KP423/172L
175	K2202775	KP305/175R	KP423/175R	K2201775	KP305/175L	KP423/175L

Spiderings

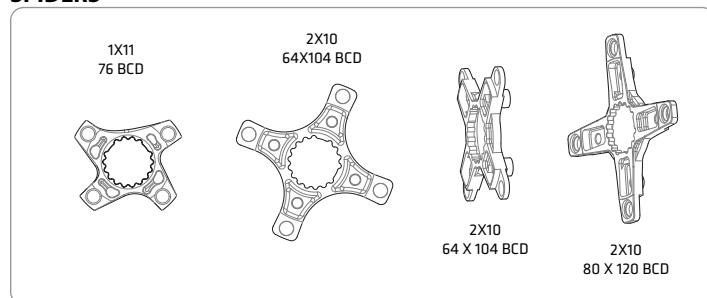
Part Number	Spidering Ring Type	Description	Arm #
KP244/	39/53	SPIDERING SL	10-ARM
KP408/	36/52	SPIDERING	8-ARM
CU4042SI52	36/52	SPIDERING SL	10-ARM
KP245/	34/50	SPIDERING SL	10-ARM
KP407/	34/50	SPIDERING	8-ARM
CU4041SI40	40T	SPIDERING SL	10-ARM
CU4041SI44	44T	SPIDERING	10-ARM

Spiders

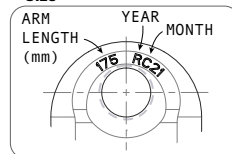
Part Number	Spider BCD	Spider Description
KP137/	AERO 130 BCD	SPIDER HOLLOWGRAM AERO 130 BCD
QC694/	130 BCD	SPIDER HOLLOWGRAM SI 130 BCD
QC693/	110 BCD	SPIDER HOLLOWGRAM SI 110 BCD

HOLLOWGRAM MOUNTAIN 2018

SPIDERS

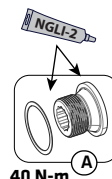


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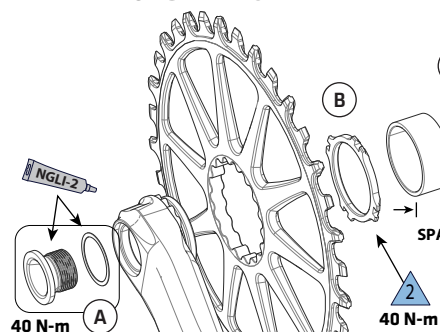


**NON-DRIVE
SIDE**

CRANKARM



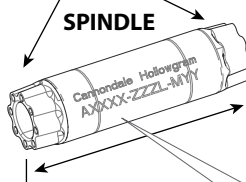
SPIDERRING



CRANKARM

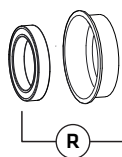
DRIVE SIDE

SPINDLE

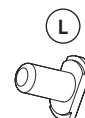
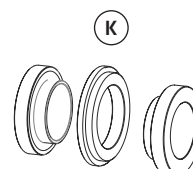
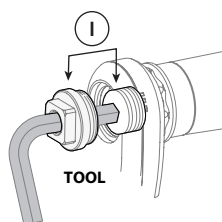


Size

Cannondale Hollowgram
AXXXX-ZZZL-MYY
MFG CODE LENGTH (mm) DATE CODE



TOOL



Small Parts & Service Tools

ID	Part Number	Description
A	KP251/BLK	CRANK BOLTS,H-GRAM SL2 SET
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)

ID	Part Number	Description
G	QC617/	SHIMS-PLASTIC, BB-SI; INCL 5 SHIMS
H	QC618/	WASHER-WAVE, BB-SI
I	KT013/	CRANK EXTRACTION TOOL; 2 PCS
J	KT012/	TOOL-LOCK RING-SI
K	KT010/	TOOL-BB BEARING-SI;
L	KT011/	TOOL - BEARING REMOVAL SI
R	KP197/SRM	PF30 Bottom Bracket Cups And Bearings

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

HOLLOWGRAM MOUNTAIN 2018

Complete BB Kits

Part Number	Description	2018				
		Platform	BB Type	BB Width (mm)	Spacer Width (mm)	
KP306/	COMPLETE BOTTOM BRACKET PF30 73X137	Bad Habit Alloy	BB30	73	14.1	19
		Bad Habit Carbon	PF30	73	14.1	19
		F-Si	PF30	83	9.1	14.1
		Habit Alloy	BB30	73	14.1	19
		Habit Carbon	PF30	73	14.1	19
		Jekyll Alloy	BB30	83	9.1	14.1
		Jekyll Carbon	PF30	83	9.1	14.1
		Scalpel-Si	PF30	83	9.1	14.1
		Trigger Carbon	PF30	83	9.1	14.1
K22108	COMPLETE BB BB/PF30 73X137 (73 & 83MM)					

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 SiSL	Hollowgram Si	Cannondale Si	Hollowgram SiSL	Hollowgram Si	Cannondale Si
165	x	x	KP423/165R	x	x	KP423/165L
170	K2202770	KP305/170R	KP423/170R	K2201770	KP305/170L	KP423/170L
172	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 #
CU4041SI30	30T	MTB SPIDERING SL 30T X-SYNC	10-Arm
CU4041SI32	32T	MTB SPIDERING SL 32T X-SYNC	10-Arm
CU4041AI30	30T	MTB SPIDERING SL 30T X-SYNC AI OFFSET	10-Arm
CU4041AI32	32T	MTB SPIDERING SL 32T X-SYNC AI OFFSET	10-Arm
CU4041AI34	34T	MTB SPIDERING SL 34T X-SYNC AI OFFSET	10-Arm
KP405/	30T (Fat CAAD only)	SPIDERING FAT CAAD1 30T	10-Arm

Spiders

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

1X11

160mm spindle only

DRIVE SIDE

NON-DRIVE SIDE

2X10

80x120 BCD

1. Fixing Bolt
2. Washer
3. Right Crankarm
4. Spiderring
5. Lockring
6. Drive Side Spacer
7. Shield
8. Bearing
9. Spindle
10. Wave Spring
11. Non-Drive Side Spacer
12. Left Crankarm
13. Chainring
14. 2X10 Spider
15. Circlip

40 N-m

40 N-m

40 N-m

0.5mm QTY=3

5.1mm

7.5mm

10mm

160 mm

166 mm

ID	Part Number	Description
G	KP249/BLK	BEARING SHIELD, BB-SL2
H	QC616/	BB SI CIRCLIPS (QTY=2)
I	QC617/	SHIMS-PLASTIC, BB-SI; INCL 5 SHIMS
J	QC618/	WASHER-WAVE, BB-SI
K	KP218/	SPIDER 80x120 BCD
--	KP484/	BB Spacer Kit Mountain

cannondale

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AUTHORIZED HEADSHOK SERVICE CENTERS

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<http://www.tuneyourbike.com>

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Help@Eighty-Aid.com

ISRAEL

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Ci im Industrial Park Bld. 7
Netanya 42505, Israel
tel: +972-(0)-891-7395
info@cannondale.co.il
<http://www.cannondale.co.il>

ITALY

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Fluid Works Suspension Service
Via Lungo Gogna 45
Schio -Vi-
Tel: 0445220071
www.fluidworkssuspension.com
Info@Fluidworkssuspension.com

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

KOREA

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Nonhyun-Dong, Gangnam-Gu
Seoul, Republic of Korea
tel: 82 2 555 5199
fax: 82 2 557 5199
sanbadasports@gmail.com

PANAMA

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No. 16 Calle Gil Blas Tejeira
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SCANDINAVIA

Scandinavian Bike Tech
Ulvevaenget 1
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<http://www.cannasia.com>

AUTHORIZED HEADSHOK SERVICE CENTERS

SOUTH AFRICA

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South Africa
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lionel@omnico.co.za
<http://www.omnico.co.za>

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Info@Lvpbiketechology.com

Racing Shox
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Racingshox@Racingshox.com

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Www.eighty-Aid.com
Switzerland@Eighty-Aid.com

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fax: 886-422-395211
info@threepeaks.com.tw
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Westbury Ba13 4Ew
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Service@Tftunedshox.com

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tel: 1-800-2453- 872

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Kharkiv, Ukraine, 61010
tel: +380504023705
veloplaneta@gmail.com
www.veloplaneta.com.ua

TROUBLESHOOTING

SYMPTOM	CAUSE	SOLUTION
Front hub has side to side play	Tolerance variance in hub	Install 1 - 3 shims from QC103/ behind disc side hub bearing
Threads pulling out of Lefty spindle	Thread insert or axle bolt is damaged	Use KH057/ to tap threads and install new thread insert. Replace axle bolt with a new one.
Loss of air pressure	Damaged valve core or air seals	Perform 100 hour service replacing all air seals and valve core with CK5407U000S
Lockout blowoff is too firm or light	Category specific lockout tune	Leftys have a factory set lockout blowoff per bicycle type. Lockout thresholds can be adjusted by Headshok Service Centers and Cannondale Factory Tech Rooms
XLR remote equipped fork feels harsh	Oil loss from remote system	Bleed XLoc remote, instructions can be found at www.SRAM.com/service
Can not achieve full travel	Bearing migration	Bearing reset - See "Manual Reset" page for instructions
Harsh or noisy top out		
No lockout function	Damper has lost oil	Replace damper or have a Head Shock Service Center or Factory Tech Room perform a damper service
No rebound adjustment		
No lockout function with no rebound adjustment		
Sinking into travel during riding	Solo Air assembly is sealing inconsistently	Replace Solo Air assembly with 2Spring assembly
Rebounds very slowly		
Does not rebound after being compressed		

MAINTENANCE SCHEDULES

Do not Ignore Maintenance Requirements

Neglected maintenance will result in damage which is not covered under the Cannondale Limited Warranty. Recommended maintenance schedules for the specific product must be followed.

LEFTY 2.0, 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

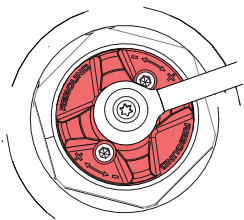
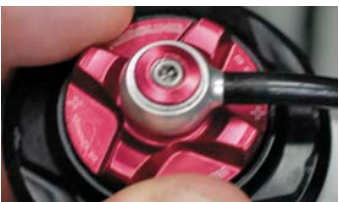
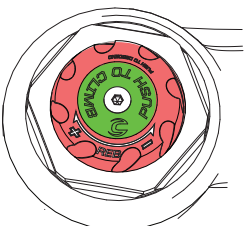
SERVICE ITEM	FREQUENCY **	PERFORMED BY
Damage Inspection	Before Every Ride	Owner
Boot Inspection	Before Every Ride	Owner
Clean/Re-Grease Telescope	Every 25 Hrs	Authorized Cannondale Dealer
Needle Bearing Reset	Every 25 Hours	Authorized Cannondale Dealer
Service Air Spring System/Damper Inspection	Every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

** 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

LEFTY 2005-2017

Servicability

SERVICEABLE		SERVICEABLE w/ new damper		NON-SERVICEABLE	
XLR		SL		DLR 100	
					
XLR		DLR2		ELO	
					
PBR		FOX RLC		JAKE	
					
PBR		FOX TERRALOGIC		MAX	
					
PBR					
					

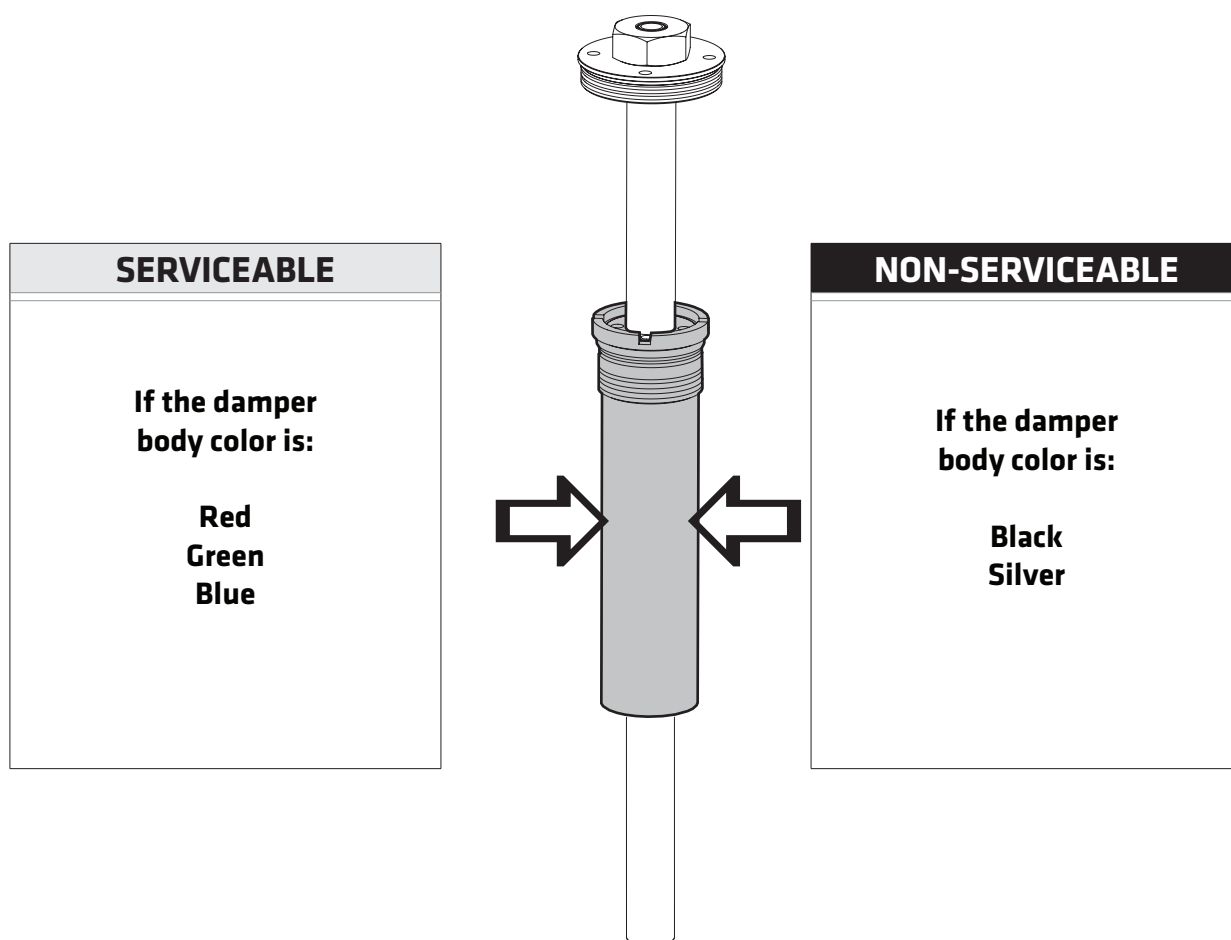
HEADSHOK 2005-2017

Servicability

Damping Cartridge Body Color

Servicability of Headshok forks is based upon the internal damping cartridge. The cartridge color determines servicability. The damper must be removed from the fork. It is not visible externally.

A generic damping cartridge shown, and the actual shape will differ from the example shown. A damping cartridge body "color" is the appearance of shaded area below.

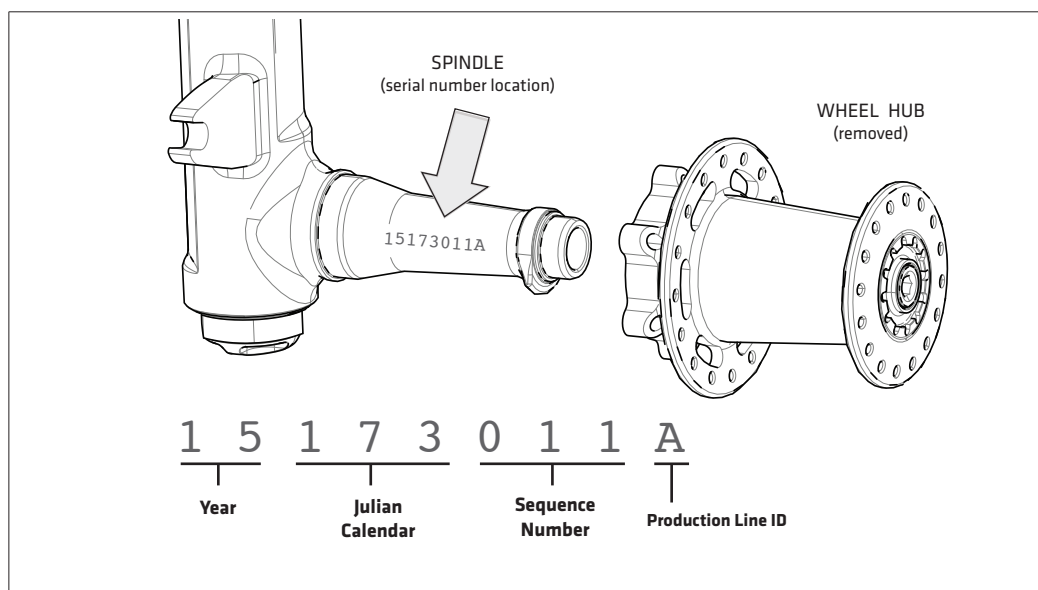


"**NON-SERVICEABLE**" means service parts for the fork are no longer supported. Compatible fork replacement may be available under the Fork Exchange Program.

"**SERVICEABLE**" means service parts for the fork are supported.

LEFTY SERIAL NUMBER SYSTEM

SUB-HEADING



Information

Beginning June 01, 2015, the location and format of the Lefty serial number system had changed.

For all Leftys, the new 9-character serial number Part Number is now located on the rear surface of the lower leg spindle. The wheel hub must be removed to reveal the serial number Part Number. See Figure A.

In the example.....

The Lefty was the 11th fork produced on production line A, on June 22, 2015.

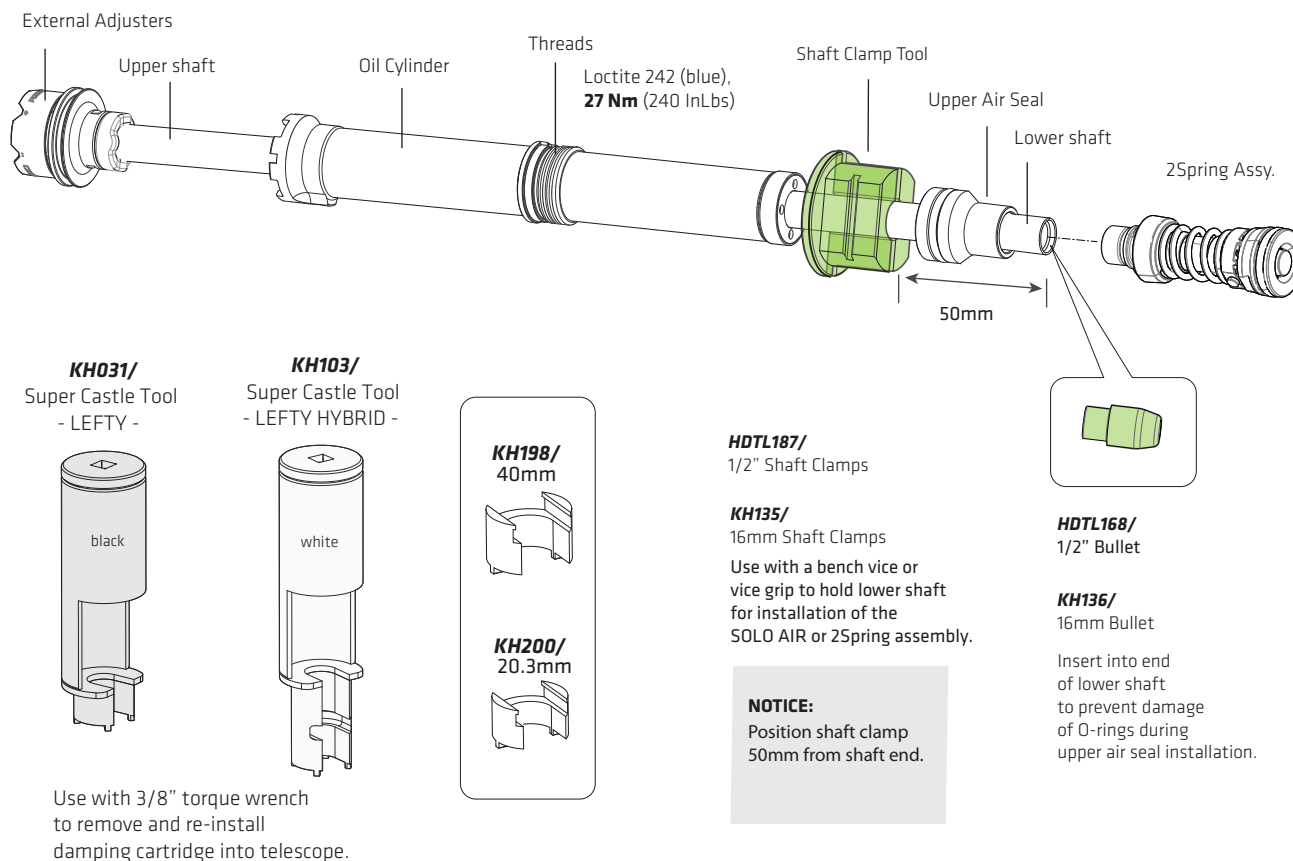
Definitions

The serial number system consists of the following definitions:

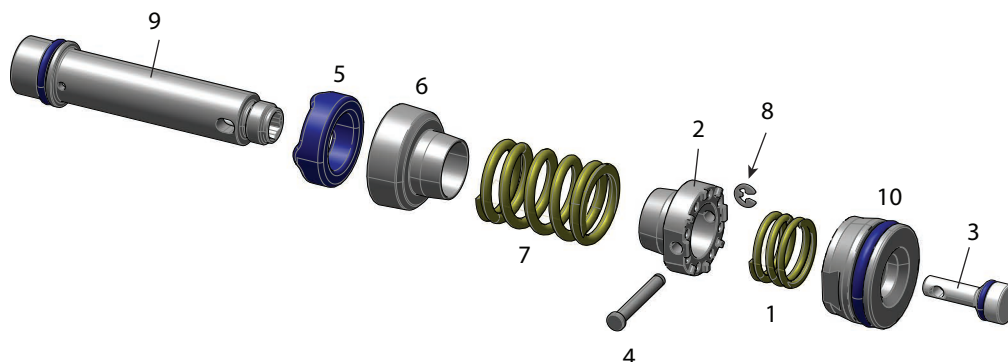
- **Year**- the last two digits of the calendar year produced.
- **Julian Calendar** - a successive number to each day of the year
- **Sequence Number** - successive independent numbers that create an individual number per fork built on the given production line that day.
- **Production Line ID** - the identification Part Number (A,B,C, etc.) of which production line was used by our factory.

DAMPING CARTRIDGE BASICS

Lefty Damper Identification



2Spring Part Identification

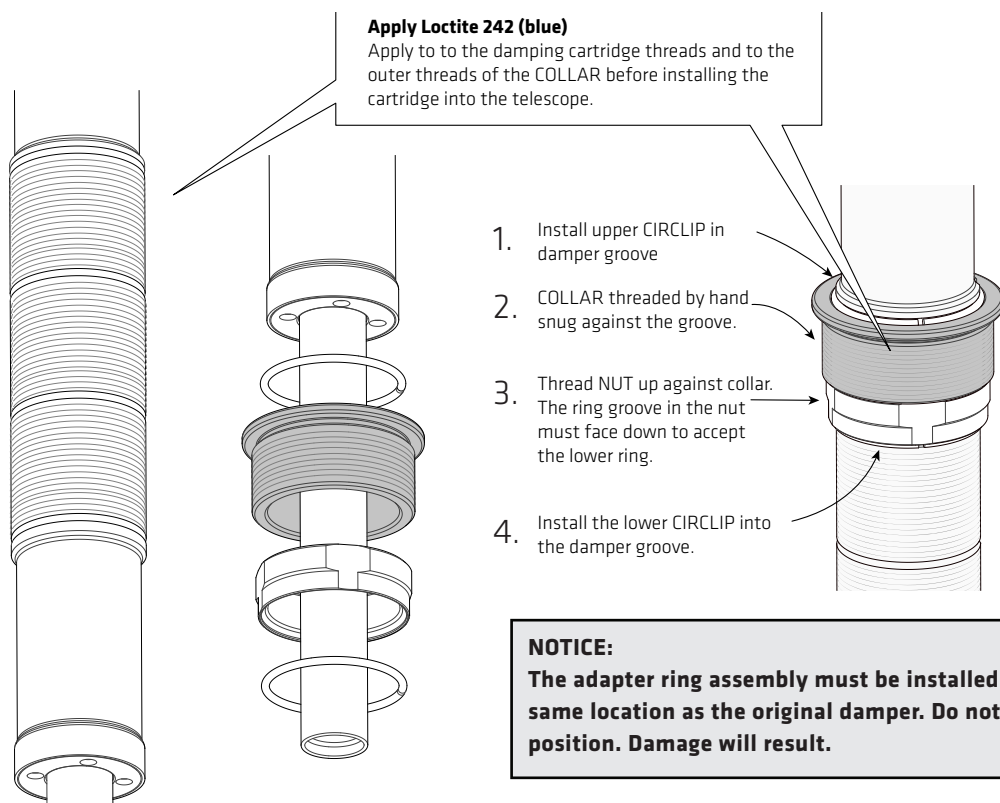


2Spring System Identification

- | | | |
|-----------------|--------------------|--------------|
| 1. Valve spring | 5. Bumper | 9. Shaft end |
| 2. Kick plate | 6. Bumper retainer | 10. Piston |
| 3. Valve | 7. Topout spring | 11. Decal |
| 4. Pin | 8. E-clip | |



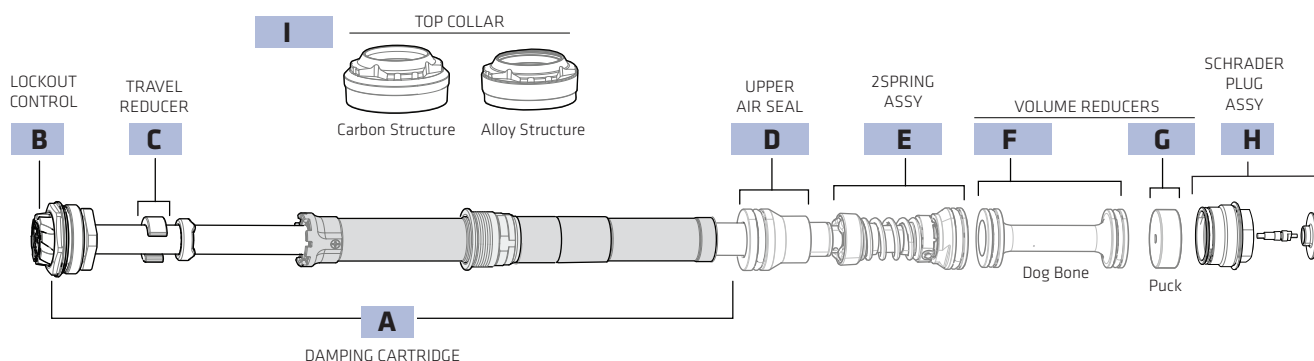
Olaf / Supermax Cartridge Adapter Ring Assembly



DAMPER UPGRADE COMPATIBILITY

Upgrading

1. Identify the year, model, and travel of the Lefty (produced 2009-2017).
2. Find the YEAR, MODEL, and ORIGINAL TRAVEL of the Lefty in the tables on the following pages that list the various parts that are needed to replace the damper with a new unit. Order the corresponding part numbers labeled A through I.
3. Remove the existing Lefty damper and spring assembly, clean the inside of the inner leg and inspect the I.D. for scratches or blemishes. If any are found, the leg must be replaced by a Headshok Service Center or Factory Tech Room.
4. Assemble the replacement damper and air spring parts together according to the orientation shown in the diagram below.
5. Use a bench vice with appropriate shaft clamp tool to install the 2Spring assembly. Apply Loctite® 262 (red) to the shaft end threads and tighten to 3.4 Nm.
6. Apply Loctite® 242 (blue) to the cartridge body threads and lubricate the air seals with a combination of Slick Honey grease and Phil Wood Tenacious Oil. Install the damper using the appropriate castle tool and tighten to 27 Nm.
7. Install the volume reducers into the lower leg then lubricate the Schrader plug seal and tighten it to 10Nm.
8. Tighten the top collar to 20Nm.



YEAR	MODEL LEFTY	Resulting TRAVEL (mm)	ORDER THESE KITS TO REPLACE DAMPER											
			A		B		C	D	E	F	G	H	I	
			DAMPER		LOCKOUT CONTROL		TRAVEL REDUCER(S)	UPPER AIR SEAL	2SPRING ASSY.	VOLUME REDUCER DOGBONE	VOLUME REDUCER PUCK(S)	SCHRADER PLUG ASSEMBLY	COLLAR	
			PBR	XLR	PBR	XLR	QTY x LENGTH				QTY x LENGTH		CRB	ALLY
2017	Lefty PBR/ XLR 100 29	100	KH150/		KH188/	KH147/RH or KH147/LH	N/A	CK3467U0030	CK5037U000S	See 2017 Technology Support book.	See 2017 Technology Support book.	KT028/	N/A	N/A
	Lefty PBR/ XLR 100 27.5	100	KH186/					CK3467U0030				KT028/		
	Lefty PBR/ XLR 120 27.5	120	KH187/					CK3467U0060				KH196/		
	Lefty PBR/ XLR 130 27.5	130						CK3467U0050						
	Lefty PBR/ XLR 120 27+ /29	120					CK3497U000S - 1X 5mm CLIP	CK3467U0055						
	Olaf	100	KH132/	N/A	Incl. w/ "A"	N/A	CK3497U000S - 1X 10mm CLIP	CK3437U0080	CK5057U000S			KH143/		
	Oliver	30	KH199/	N/A			N/A	N/A	N/A			KH201/		

UPGRADE COMPATIBILITY

YEAR	MODEL LEFTY	Resulting TRAVEL (mm)	ORDER THESE KITS TO REPLACE DAMPER												
			A		B		C	D	E	F	G	H	I		
			DAMPER		LOCKOUT CONTROL		TRAVEL REDUCER(S)	UPPER AIR SEAL	2SPRING ASSY.	VOLUME REDUCER DOGBONE	VOLUME REDUCER PUCK(S) QTY x LENGTH	SCHRADER PLUG ASSEMBLY	COLLAR		
			PBR	XLR	PBR	XLR	QTY x LENGTH							CRB	ALLY
2016	Lefty PBR/ XLR 100 29	100	KH150/		KH188/	KH147/RH or KH147/LH	N/A	CK3467U0030	CK5037U000S	See 2016 Technology Support.	See 2016 Technology Support.	KT028/	N/A	N/A	
	Lefty PBR/ XLR 100 27.5	100	KH186/				N/A	CK3467U0030				KT028/			
	Lefty PBR/ XLR 120 27.5	120	KH187/				N/A	CK3467U0060				KH196/			
	Lefty PBR/ XLR 130 27.5	130					N/A	CK3467U0050							
	Lefty PBR/ XLR 120 27+ /29	120					CK3497U000S - 1X 5MM CLIP	CK3467U0055							
	Oliver	30	KH199/	N/A	Incl. w/ "A"	N/A	N/A	N/A	KH201/						
	Supermax 27.5 140	140	KH132/				N/A	N/A	CK3437U0050			CK5057U000S	KH143/		
	Supermax 27.5 160	160							CK3437U0030						
	Olaf	100							CK3497U000S - 1X 10MM CLIP					CK3437U0080	
2015	Lefty PBR/ XLR 130 26	130	KH062/	KH079/	Incl. w/ "A"	KH082/	N/A	CK5167U0058	CK5047U000S	N/A	N/A	KT028/	KH100/	KH101/	
	Lefty PBR/ XLR 90 29	90					HD010/ - 3X 10mm CLIPS	CK5167U0068		CK3477U0060	N/A				
	Lefty PBR/ XLR 100 29	100					CK5167U0058	CK3477U0050		N/A					
	Lefty PBR/ XLR 100 26	100	KH087/	KH086/			N/A	CK5167U0025	CK5177U000S	CK3477U0056	N/A				
	Supermax 27.5 140	140	KH132/	N/A		N/A	N/A	CK3437U0050	CK5057U000S	See 2015 Technology Support.	KH114/	N/A	N/A		
	Supermax 27.5 160	160				N/A	N/A	CK3437U0030			KH143/				
	Supermax 29 130	130				N/A	CK3497U000S - 1X 10MM CLIP	CK3437U0050			KH114/				
2014	Lefty PBR/ XLR 130 26	130	KH062/	KH079/	Incl. w/ "A"	KH082/	N/A	CK5167U0058	CK5047U000S	N/A	N/A	KT028/	KH100/	KH101/	
	Lefty PBR/ XLR 90 29	90					HD010/ - 3X 10mm CLIPS	CK5167U0068		CK3477U0060					
	Lefty PBR/ XLR 100 29	100					CK5167U0058	CK3477U0050							
	Lefty PBR/ XLR 100 26	100	KH087/	KH086/			N/A	CK5167U0025	CK5177U000S	CK3477U0056					
	Supermax 29 130	130	KH132/	N/A		N/A	CK3497U000S - 1X 10mm CLIP	CK3437U0050	CK5057U000S	SEE TECH PAGE		KH114/	N/A	N/A	

YEAR	MODEL LEFTY	Resulting TRAVEL (mm)	ORDER THESE KITS TO REPLACE DAMPER											
			A		B		C	D	E	F	G	H	I	
			DAMPER		LOCKOUT CONTROL		TRAVEL REDUCER(S)	UPPER AIR SEAL	2SPRING ASSY.	VOLUME REDUCER DOGBONE	VOLUME REDUCER PUCK(S)	SCHRADER PLUG ASSEMBLY	COLLAR	
			PBR	XLR	PBR	XLR	QTY x LENGTH				QTY x LENGTH		CRB	ALLY
2013	Lefty PBR/ XLR 130 26	130	KH062/	KH079/	Incl. w/ "A"	KH082/	N/A	CK5167U0058	CK5047U000S	N/A	N/A	KT028/	KH100/	KH101/
	Lefty PBR/ XLR 120 26	120					N/A	CK5167U0068		N/A				
	Lefty PBR/ XLR 90 29	90					HD010/ - 3X 10mm CLIPS	CK5167U0068		CK3477U0060				
	Lefty PBR/ XLR 100 29	100						CK5167U0058		CK3477U0050				
	Lefty PBR/ XLR 100 26	100	KH087/	KH086/			N/A	CK5167U0025	CK5177U000S	CK3477U0056				
2012	Lefty Max PBR/XLR 140	140	KH062/	KH079/	Incl. w/ "A"	KH082/	N/A	Use existing - 48mm long	CK5047U000S	N/A	N/A	KT028/	KH100/	KH101/
	Lefty Ultra PBR/XLR 120	120					N/A	CK5167U0068		N/A				
	Lefty 29'er PBR/XLR 90	90					HD010/ - 3X 10mm CLIPS			CK3477U0060				
	Lefty 29'er PBR/XLR 100	100								CK5167U0058				
	Lefty Speed PBR/XLR 100	100	KH087/	KH086/			N/A	CK5167U0025	CK5177U000S	CK3477U0056				
2011	Lefty Max PBR/XLR 140	140	KH062/	KH079/	Incl. w/ "A"	KH082/	N/A	Use existing - 48mm long	CK5047U000S	N/A	N/A	KT028/	KH100/	KH101/
	Lefty Ultra PBR/XLR 120	120					N/A	CK5167U0068		N/A				
	Lefty 29'er PBR/XLR 90	90					HD010/ - 3X 10mm CLIPS	CK5167U0068		CK3477U0060				
	Lefty 29'er PBR/XLR 100	100						CK5167U0058		CK3477U0050				
	Lefty Speed PBR/XLR 100	100	KH087/	KH086/			N/A	CK5167U0025	CK5177U000S	CK3477U0056				

UPGRADE COMPATIBILITY

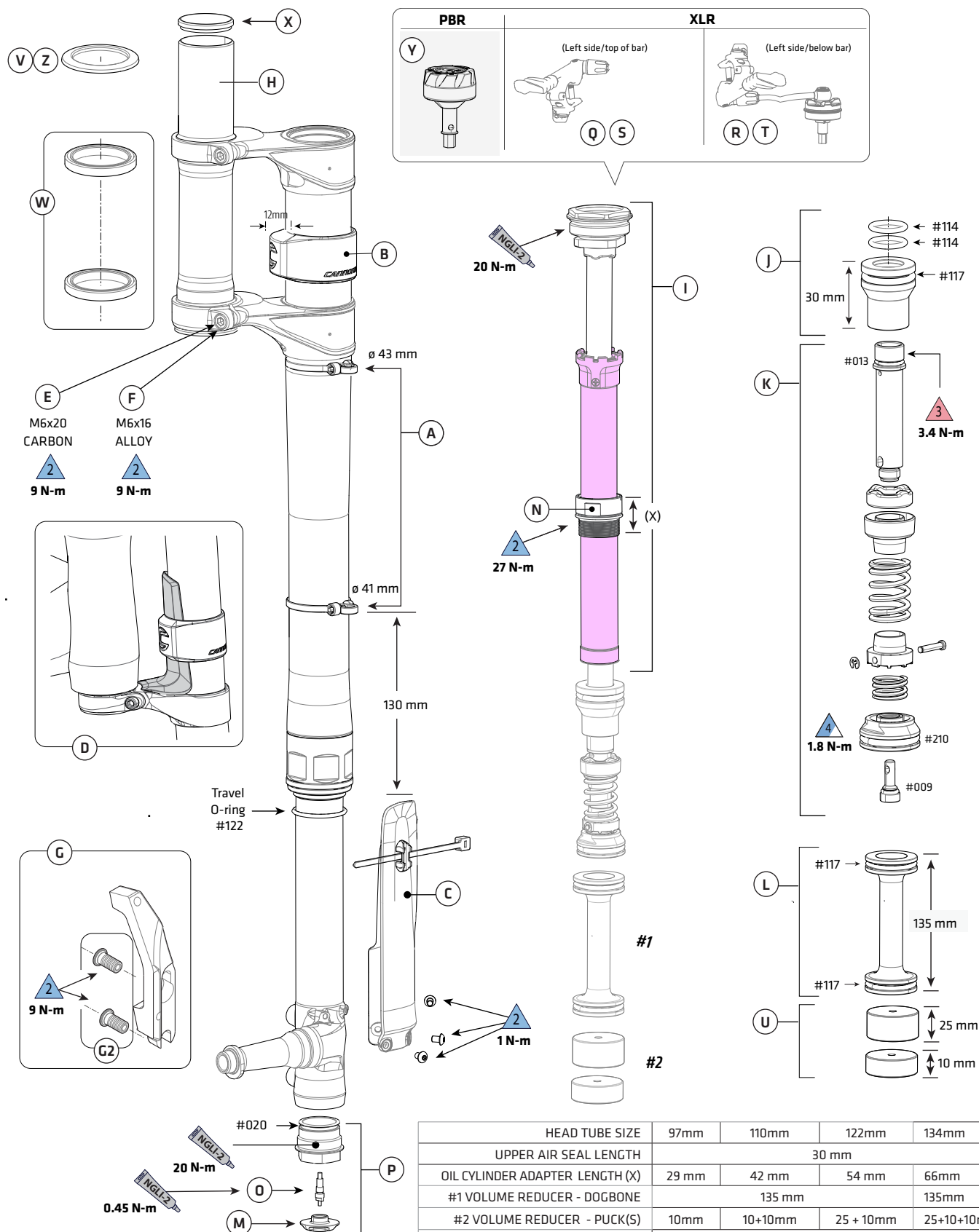
YEAR	MODEL LEFTY	Resulting TRAVEL (mm)	ORDER THESE KITS TO REPLACE DAMPER											
			A		B		C	D	E	F	G	H	I	
			DAMPER		LOCKOUT CONTROL		TRAVEL REDUCER(S)	UPPER AIR SEAL	2SPRING ASSY.	VOLUME REDUCER DOGBONE	VOLUME REDUCER PUCK(S)	SCHRADER PLUG ASSEMBLY	COLLAR	
			PBR	XLR	PBR	XLR	QTY x LENGTH				QTY x LENGTH		CRB	ALLY
2010	Lefty Max Fox RLC 140	140	Must be serviced at a Headshok Service Center or Factory Tech Room -----											
	Lefty Max PBR 140	140	KH062/	KH079/			N/A	Use Existing - 48mm LONG	CK5047U000S	N/A	N/A	KT028/	KH100/	KH101/
	Lefty Ultra PBR 120	120						CK5167U0068						
	Lefty Ultra DLR 120	120												
	Lefty Speed SL 110	100	KH087/	KH086/	Incl. w/ "A"	KH082/		CK5167U0025	CK5177U000S	CK3477U0056	KH076/ - 1X 25mm PUCK			
	Lefty Speed DLR2 110	100												
	Lefty 29'er SL 80	70												
	Lefty 29'er DLR2 80	70												
2009	Lefty Max Fox RLC 130	130	Must be serviced at a Headshok Service Center or Factory Tech Room -----											
	Lefty Max PBR 130	130	KH062/	KH079/	Incl. w/ "A"	KH082/	HD010/ - 1X 10mm CLIP	Use Existing - 48mm LONG	CK5047U000S	N/A	N/A	KT028/	KH100/	KH100/
	Lefty Speed SL 110	100	KH087/	KH086/			N/A	CK5167U0025	CK5177U000S	CK3477U0056				
	Lefty Speed Fox RLC 110	100												
	Lefty Speed DLR2 110	100												
	Lefty 29'er SL 80	70												
	Lefty 29'er DLR2 80	70												

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LEFTY 2.0

PBR/XLR 100 - 29"

RECOMMENDED SAG	25-30 mm
TRAVEL LENGTH	100 mm
MANUAL RESET LENGTH	35 mm +/- 3
PRESSURE LIMITS	MINIMUM 50 Psi, MAXIMUM 225 Psi
OFFSET	55 mm
INTENDED USE	ASTM CONDITION 3, XC Cross-Country
BIKE MODEL (s):	SCALPEL SI, F-SI 29



ID	Part Number	Structure Parts	Comment
A	CK3417U000S	LEFTY BRAKE HOSE GUIDES	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
B	KH172/	FRAME BUMPER,LEFTY 12MM	
C	KH145/	GUARD LEFTY HYB 32 SHORT	
D	KH219/03	CABLE GRD, LEFTY 2.0, CARBON	
	KH219/04	CABLE GRD, LEFTY 2.0, ALLOY	
E	KH161/	CLAMP BOLTS 20MM	Carbon outer tube
F	LEFTYBOLTS	BOLTS,LEFTY CALIPER/CLAMP	Alloy outer tube
G	KH111/	ADAPTER,HYB 36,LEFTY 60 HUB 180	
G2	K54007	ADAPTER, BOLTS, MOUNTING, LEFTY	

ID	Part Number	Damper And Air Spring Parts	Comment
Y	KH188/	PBR KNOB	
I	KH150/	DAMPER FSI 29	
J	CK3467U0030	LEFTY 32 UPPER AIR SEAL 16MM SHAFT 30MM	
K	CK5037U000S	2SPRING, LEFTY 32, 16MM	
L	CK3477U0035	LEFTY 32 VOLUME REDUCER 135MM	This is the Dog Bone reducer #1
--	CK5407U000S	LEFTY 2SPRING UNIVERSAL 100 HOUR SEAL KIT	100 Hour Seal Kit
M	CK3487U000S	LEFTY VALVE CAP	
N	KH151/	ADAPT OIL CYLINDER 32 /097/110/122/134	Kit includes multiple adapters, measure headtube to determine correct adapter; do not interchange.
O	KH047/	VALVE CORES /10	
P	KT028/	SCHRADER PLUG	
Q	KH147/LH	XLR LEVER LEFT HAND UPPER	Left h-bar lever, positions top bar
R	KH147/RH	XLR LEVER RIGHT HAND UPPER	Left h-bar lever, positions lower bar
S	KH217/LH	LEFTY 2.0 LH FULL SPRINT XLR AND REB ADJ	Full sprint
T	KH217/RH	LEFTY 2.0 RH FULL SPRINT XLR AND REB ADJ	Full sprint
U	KH076/	REDUCER SOLO AIR TUNE	These are volume reducer pucks. #2

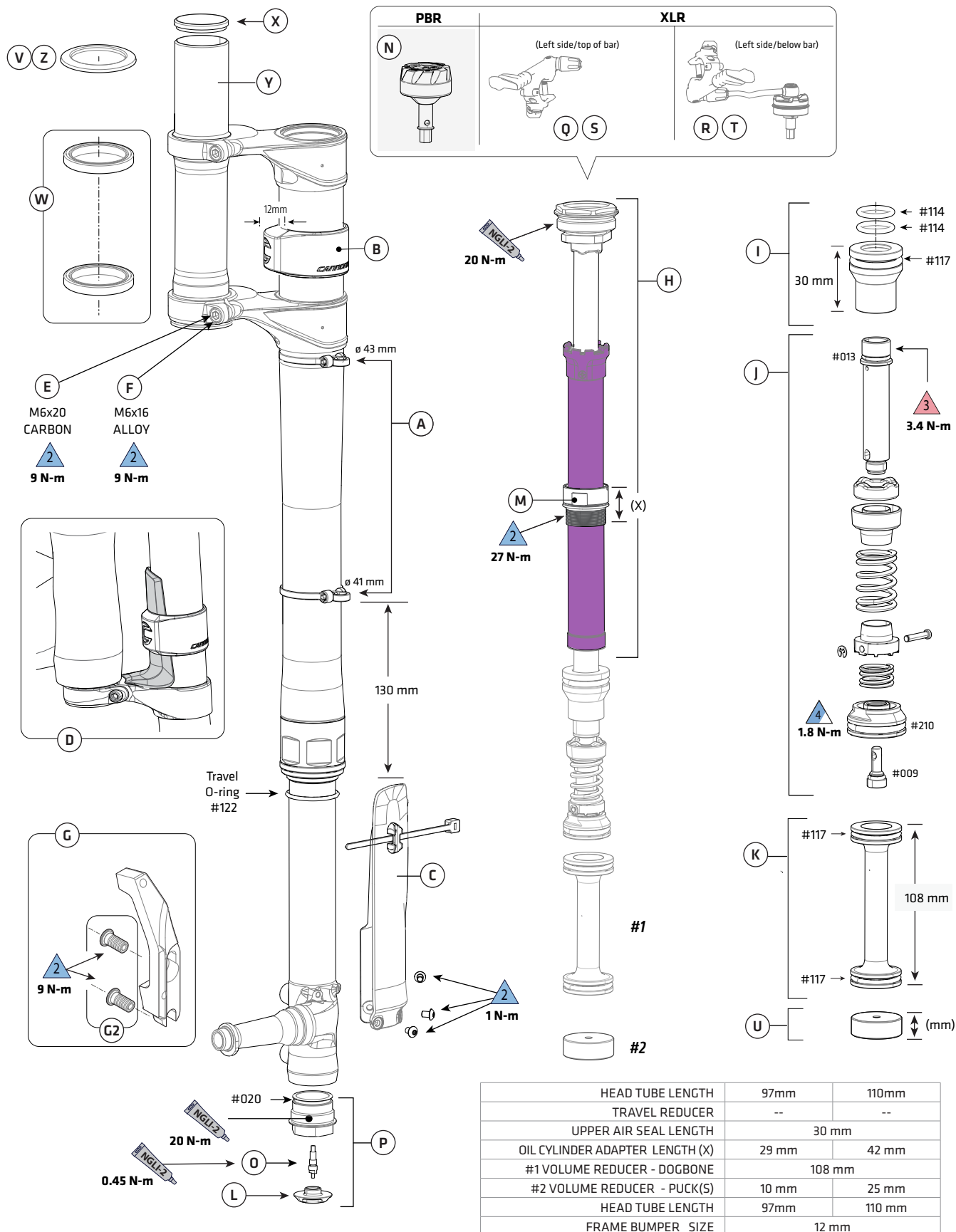
ID	Part Number	Steerer And Headset Parts	Comment
H	KH197/097	STEERER,L20 THICK FLANGE,097	For 97 mm headtube length
	KH197/110	STEERER,L20 THICK FLANGE,110	For 110 mm headtube length
	KH197/122	STEERER,L20 THICK FLANGE,122	For 122 mm headtube length
	KH197/134	STEERER,L20 THICK FLANGE,134	For 134mm headtube length
V	QSCSEAL/	SEAL,UPPER BEARING,60MM OD	For 60mm O.D. head tube
Z	QSISEAL/	SEAL,UPPER BEARING,58MM OD	For 58mm O.D. headtube
W	HD169/	BEARINGS, HEADSET - 2	Includes 2 bearings
X	KP068/ or HD210/	STEERER CAP	

ID	Part Number	Service Tools	Comment
--	KH240/	TOOL,29MM CYLINDER	Install/remove adapter thread from damper body.
--	KT020/	TOOL,LEFTY INSTALL	Install/remove steerer
--	KH127/	TOOL, OUTER CAP 36MM	Install/remove outer cap
--	KH198/	TOOL, CASTLE SLIDER 40MM	Install/remove damping cartridge
--	KH135/	TOOL,SHAFT CLAMP, 16MM	Install/remove air piston assy.
--	KH136/	TOOL,BULLET, 16MM	Install upper air seal assy.
--	KH057/	TOOL,LEFTY THREAD REPAIR	Repair spindle threads, not pictured
--	QCTL108/	TOOL, TRUING AXLE	Wheel alignment
--	KH090/	TOOL, XLR BLEED	For XLR only

LEFTY 2.0

PBR & XLR 100 27.5"

RECOMMENDED SAG	25-30 mm
TRAVEL LENGTH	100 mm
MANUAL RESET LENGTH	15 mm +/- 3
PRESSURE LIMITS	MINIMUM 50 Psi, MAXIMUM 225 Psi
OFFSET	50 mm
INTENDED USE	ASTM CONDITION 3, XC Cross-Country
BIKE MODEL (s):	Scalpel SI, F-SI 27.5



ID	Part Number	Structure Parts	Comment
A	CK3417U000S	LEFTY BRAKE HOSE GUIDES	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
B	KH172/	FRAME BUMPER,LEFTY 12MM	
C	KH145/	GUARD LEFTY HYB 32 SHORT	
D	KH219/03	CABLE GRD, LEFTY 2.0, CARBON	
	KH219/04	CABLE GRD, LEFTY 2.0, ALLOY	
E	KH161/	CLAMP BOLTS 20MM	For carbon outer tube
F	LEFTYBOLTS	BOLTS,LEFTY CALIPER/CLAMP	For alloy outer tube
G	KH215/	BRAKE, ADAPTER, L20, 500S, L60 HUB	
G2	K54007	ADAPTER, BOLTS, MOUNTING, LEFTY	

ID	Part Number	Damper And Air Spring Parts	Comment
H	KH186/	DAMPER, LEFTY 2.0, 100 27	
I	CK3467U0030	LEFTY 32 UPPER AIR SEAL 16MM SHAFT 30MM	
J	CK5037U000S	2SPRING, LEFTY 32, 16MM	
K	CK3477U0008	LEFTY 32 VOLUME REDUCER 108MM	This is the Dog Bone reducer #1
--	CK5407U000S	LEFTY 2SPRING UNIVERSAL 100 HOUR SEAL KIT	100 Hour Seal Kit
L	CK3487U000S	LEFTY VALVE CAP	
M	KH151/	ADAPT OIL CYLINDER 32 /097/110/122/134	Kit includes multiple adapters, measure headtube to determine correct adapter; DO NOT INTERCHANGE.
N	KH188/	PBR KNOB	
O	KH047/	VALVE CORES /10	
P	KT028/	SCHRADER PLUG	
Q	KH147/LH	XLR LEVER LEFT HAND UPPER	Left H-bar lever, positions top bar
R	KH147/RH	XLR LEVER RIGHT HAND UPPER	Left H-bar lever, positions lower bar
S	KH217/LH	LEFTY 2.0 LH FULL SPRINT XLR AND REB ADJ	Full Sprint
T	KH217/RH	LEFTY 2.0 RH FULL SPRINT XLR AND REB ADJ	Full Sprint
U	KH076/	REDUCER SOLO AIR TUNE	These are volume reducer pucks. #2

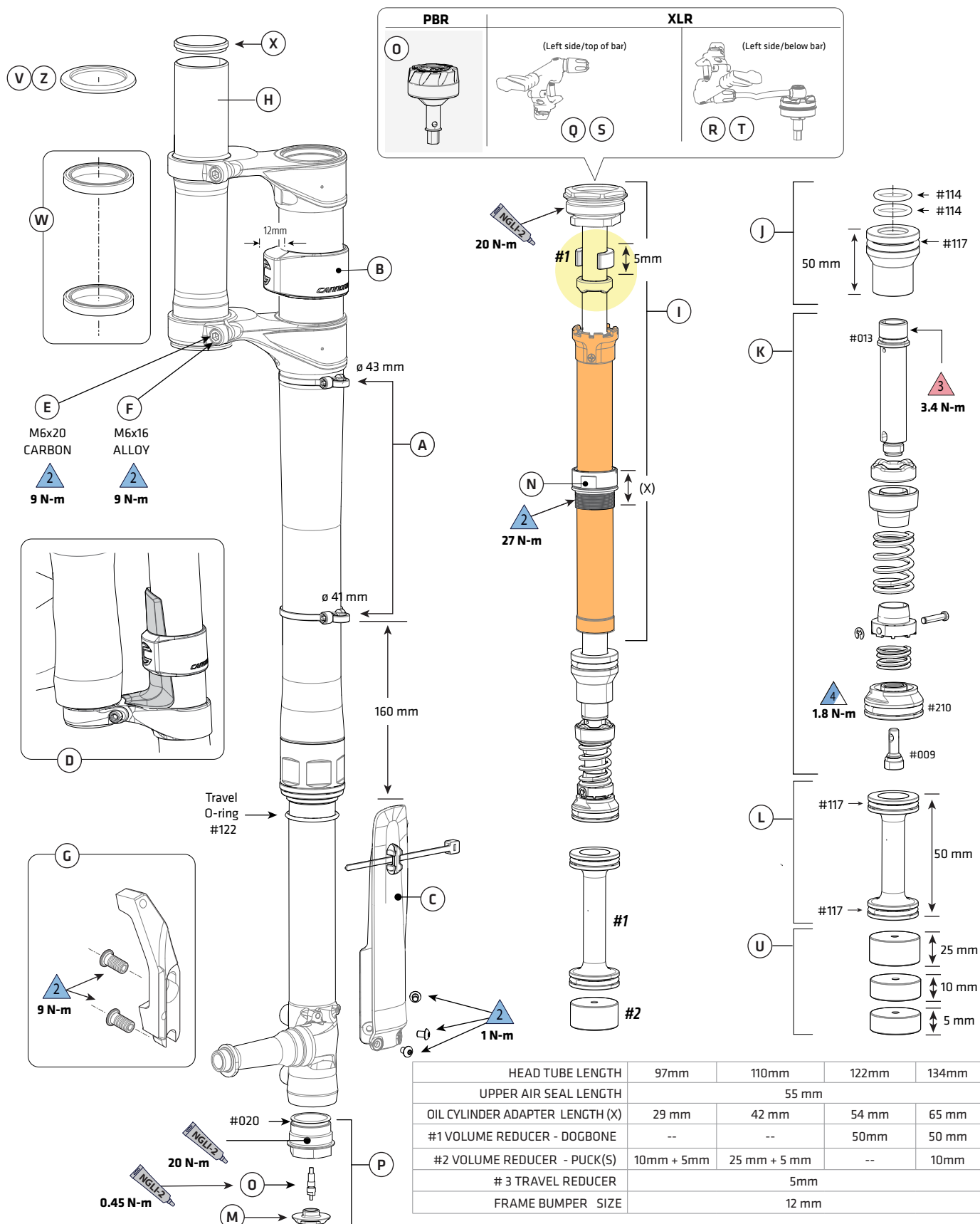
ID	Part Number	Steerer And Headset Parts	Comment
Y	KH197/097	STEERER,L20 THICK FLANGE,097	For 97 mm Headtube Length
	KH197/110	STEERER,L20 THICK FLANGE,110	For 110mm Headtube Length
	KH197/122	STEERER,L20 THICK FLANGE,122	For 122 mm Headtube Length
	KH197/134	STEERER,L20 THICK FLANGE,134	For 134mm Headtube Length
V	QSCSEAL/	SEAL,UPPER BEARING,60MM OD	For 60mm O.D. head tube
Z	QSISEAL/	SEAL,UPPER BEARING,58MM OD	For 58mm O.D. headtube
W	HD169/	BEARINGS, HEADSET - 2	includes 2 bearings
X	HD210/	STEERER CAP	

ID	Part Number	Service Tools	Comment
--	KT020/	TOOL, LEFTY INSTALL	Install/remove steerer
--	KH127/	TOOL, OUTER CAP 36MM	Install/remove outer cap
--	KH198/	TOOL, CASTLE SLIDER 40MM	Install/remove damping cartridge
--	KH135/	TOOL, SHAFT CLAMP, 16MM	Install/remove air piston assy.
--	KH136/	TOOL, BULLET, 16MM	Install upper air seal assy.
--	KH057/	TOOL,LEFTY THREAD REPAIR	Repair spindle threads
--	QCTL108/	TOOL, TRUING AXLE	Wheel alignment
--	KH090/	TOOL, XLR BLEED	For XLR only

LEFTY 2.0

PBR 120 29"

RECOMMENDED SAG	30-35 mm
TRAVEL LENGTH	120 mm
MANUAL RESET LENGTH	35 mm +/- 3
PRESSURE LIMITS	MINIMUM 50 Psi, MAXIMUM 225 Psi
OFFSET	55 mm
INTENDED USE	ASTM CONDITION 3, XC Cross-Country
BIKE MODEL (s):	Scalpel SE



LEFTY 2.0

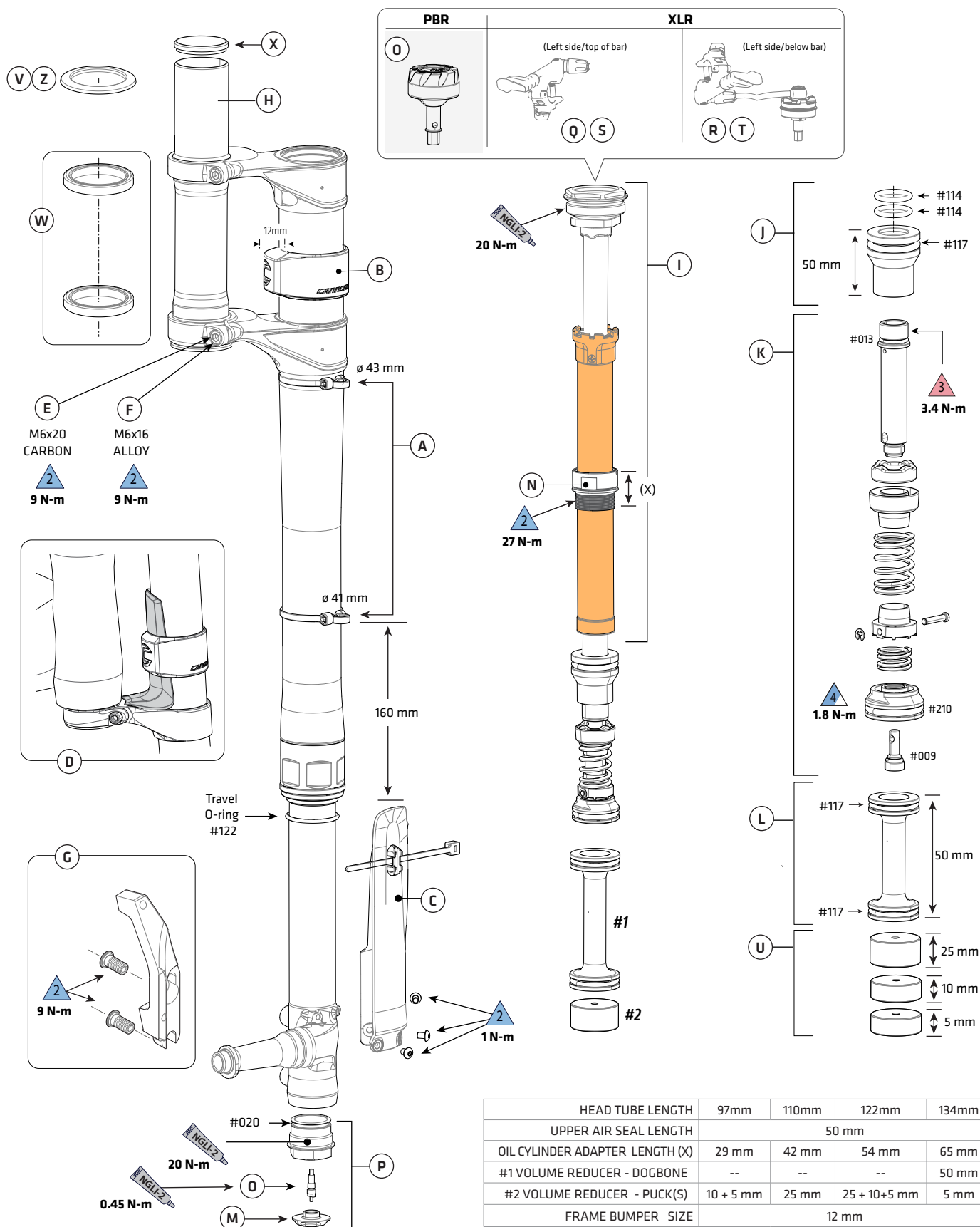
PBR/XLR 120 29"

ID	Part Number	Structure Parts	Comment
A	CK3417U000S	LEFTY BRAKE HOSE GUIDES	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
B	KH172/	FRAME BUMPER,LEFTY 12MM	
C	KH192/	KIT GUARD LEFTY HYB 32 LONG	
D	KH219/03	CABLE GRD, LEFTY 2.0, CARBON	
	KH219/04	CABLE GRD, LEFTY 2.0, ALLOY	
E	KH161/	CLAMP BOLTS 20MM	For carbon outer tube
F	LEFTYBOLTS	BOLTS,LEFTY CALIPER/CLAMP	For alloy outer tube
G	KH215/	ADAPTER, ADAPTER, LEFTY 60,160	

ID	Part Number	Damper And Air Spring Parts	Comment
I	KH187/	DAMPER, LEFTY 2.0, 120,27	
Y	KH188/	PBR KNOB	
J	CK3467U0055	LEFTY 32 UPPER AIR SEAL 16MM, SHAFT 55MM	
K	CK5037U000S	2SPRING, LEFTY 32, 16MM	
L	CK3477U0050	LEFTY 32 VOLUME REDUCER 50MM	This is the Dog Bone reducer #1
TR	?????	???????	???????
--	CK5407U000S	LEFTY 2SPRING UNIVERSAL 100 HOUR SEAL KIT	100 Hour Seal Kit
M	CK3487U000S	LEFTY VALVE CAP	
N	KH151/	ADAPT OIL CYLINDER 32 /097/110/122/134	Kit includes multiple adapters, measure head tube to determine correct adapter; DO NOT INTERCHANGE.
O	KH047/	VALVE CORES / 10	
P	KT028/	SCHRADER PLUG	
Q	KH147/LH	XLR LEVER LEFT HAND UPPER	Left H-bar lever, positions top bar
R	KH147/RH	XLR LEVER RIGHT HAND UPPER	Left H-bar lever,positions lower bar
S	KH217/LH	LEFTY 2.0 LH FULL SPRINT XLR AND REB ADJ	Full Sprint, positions top bar
T	KH217/RH	LEFTY 2.0 RH FULL SPRINT XLR AND REB ADJ	Full Sprint, positions lower bar
U	KH076/	REDUCER SOLO AIR TUNE	These are volume reducer pucks. #2

ID	Part Number	Steerer And Headset Parts	Comment
H	KH197/097	STEERER,L20 THICK FLANGE,097	For 97 mm Headtube Length
	KH197/110	STEERER,L20 THICK FLANGE,110	For 109 mm Headtube Length
	KH197/122	STEERER,L20 THICK FLANGE,122	For 122 mm Headtube Length
	KH197/134	STEERER,L20 THICK FLANGE,134	For 134mm Headtube Length
V	QSCSEAL/	SEAL,UPPER BEARING,60MM OD	For 60mm O.D. head tube
Z	QSISEAL/	SEAL,UPPER BEARING,58MM OD	For 58mm O.D. headtube
W	HD169/	BEARINGS, HEADSET - 2	includes 2 bearings
X	HD210/	STEERER CAP	

ID	Part Number	Service Tools	Comment
--	KT020/	TOOL,LEFTY INSTALL	Install/remove steerer
--	KH127/	TOOL OUTER CAP 36MM	Install/remove outer cap
--	KH198/	TOOL CASTLE SLIDER 40MM	Install/remove damping cartridge
--	KH135/	TOOL,SHAFT CLAMP, 16MM	Install/remove air piston assy.
--	KH136/	TOOL,BULLET, 16MM	Install upper air seal assy.
--	KH057/	TOOL,LEFTY THREAD REPAIR	Repair spindle threads
--	QCTL108/	TOOL, TRUING AXLE	
--	KH090/	TOOL, XLR BLEED	For XLR only



ID	Part Number	Structure Parts	Comment
A	CK3417U000S	LEFTY BRAKE HOSE GUIDES	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
B	KH172/	FRAME BUMPER,LEFTY 12MM	
C	KH192/	KIT GUARD LEFTY HYB 32 LONG	
D	KH219/03	CABLE GRD, LEFTY 2.0, CARBON	
	KH219/04	CABLE GRD, LEFTY 2.0, ALLOY	
E	KH161/	CLAMP BOLTS 20MM	For carbon outer tube
F	LEFTYBOLTS	BOLTS,LEFTY CALIPER/CLAMP	For alloy outer tube
G	KH215/	ADAPTER, ADAPTER, LEFTY 60,160	

ID	Part Number	Damper And Air Spring Parts	Comment
I	KH187/	DAMPER, LEFTY 2.0, 120,27	
Y	KH188/	PBR KNOB	
J	CK3467U0055	LEFTY 32 UPPER AIR SEAL 16MM, SHAFT 55MM	
K	CK5037U000S	2SPRING, LEFTY 32, 16MM	
L	CK3477U0050	LEFTY 32 VOLUME REDUCER 50MM	This is the Dog Bone reducer #1
--	CK5407U000S	LEFTY 2SPRING UNIVERSAL 100 HOUR SEAL KIT	100 Hour Seal Kit
M	CK3487U000S	LEFTY VALVE CAP	
N	KH151/	ADAPT OIL CYLINDER 32 /097/110/122/134	Kit includes multiple adapters, measure head tube to determine correct adapter; DO NOT INTERCHANGE.
O	KH047/	VALVE CORES / 10	
P	KT028/	SCHRADER PLUG	
Q	KH147/LH	XLR LEVER LEFT HAND UPPER	Left H-bar lever, positions top bar
R	KH147/RH	XLR LEVER RIGHT HAND UPPER	Left H-bar lever,positions lower bar
S	KH217/LH	LEFTY 2.0 LH FULL SPRINT XLR AND REB ADJ	Full Sprint, positions top bar
T	KH217/RH	LEFTY 2.0 RH FULL SPRINT XLR AND REB ADJ	Full Sprint, positions lower bar
U	KH076/	REDUCER SOLO AIR TUNE	These are volume reducer pucks. #2

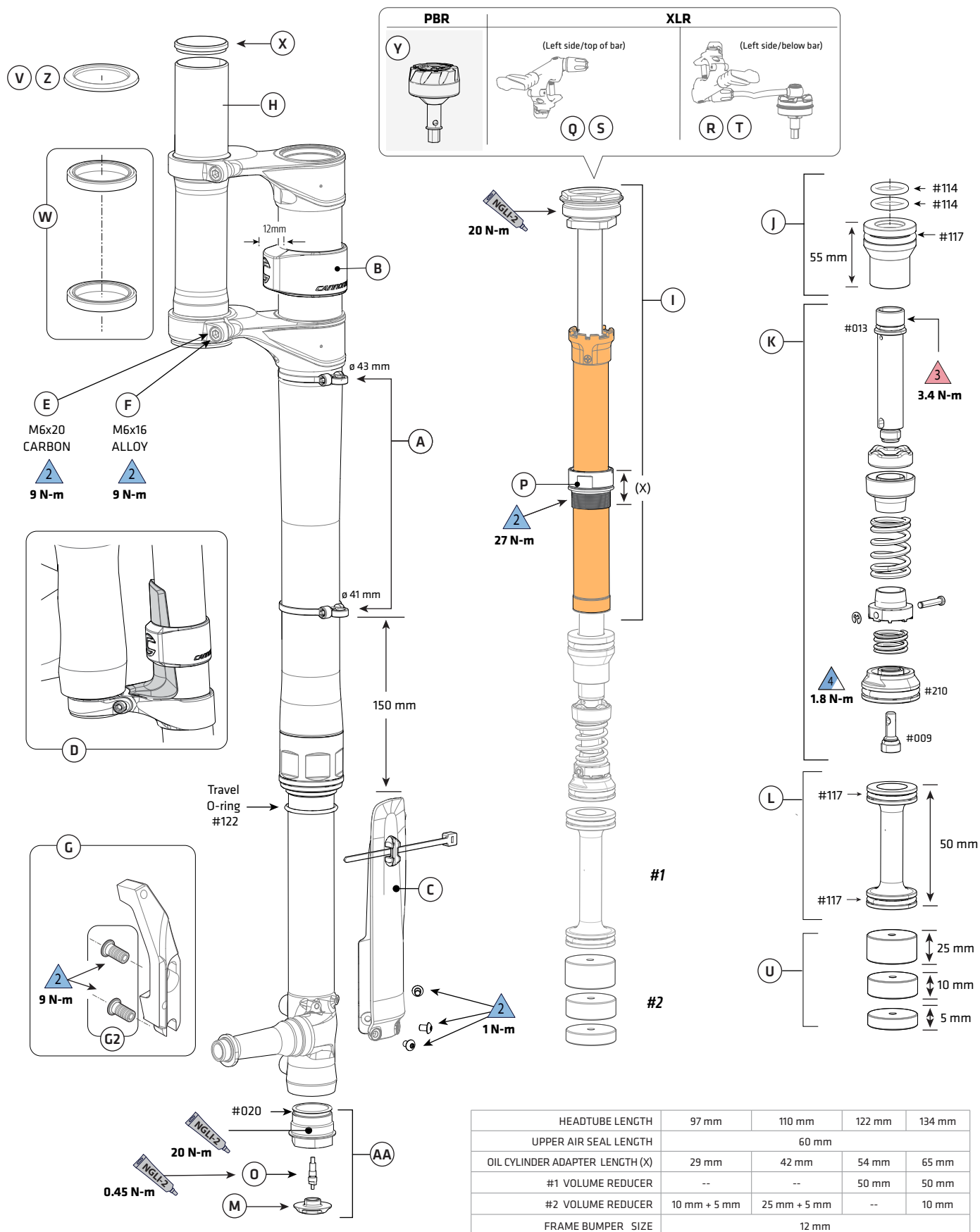
ID	Part Number	Steerer And Headset Parts	Comment
H	KH197/097	STEERER,L20 THICK FLANGE,097	For 97 mm Headtube Length
	KH197/110	STEERER,L20 THICK FLANGE,110	For 109 mm Headtube Length
	KH197/122	STEERER,L20 THICK FLANGE,122	For 122 mm Headtube Length
	KH197/134	STEERER,L20 THICK FLANGE,134	For 134mm Headtube Length
V	QSCSEAL/	SEAL,UPPER BEARING,60MM OD	For 60mm O.D. head tube
Z	QSISEAL/	SEAL,UPPER BEARING,58MM OD	For 58mm O.D. headtube
W	HD169/	BEARINGS, HEADSET - 2	includes 2 bearings
X	HD210/	STEERER CAP	

ID	Part Number	Service Tools	Comment
--	KT020/	TOOL,LEFTY INSTALL	Install/remove steerer
--	KH127/	TOOL OUTER CAP 36MM	Install/remove outer cap
--	KH198/	TOOL CASTLE SLIDER 40MM	Install/remove damping cartridge
--	KH135/	TOOL,SHAFT CLAMP, 16MM	Install/remove air piston assy.
--	KH136/	TOOL,BULLET, 16MM	Install upper air seal assy.
--	KH057/	TOOL,LEFTY THREAD REPAIR	Repair spindle threads
--	QCTL108/	TOOL, TRUING AXLE	
--	KH090/	TOOL, XLR BLEED	For XLR only

LEFTY 2.0

PBR & XLR 120 27.5

RECOMMENDED SAG	30-35mm
TRAVEL LENGTH	120 mm
MANUAL RESET LENGTH	25 mm +/- 3
PRESSURE LIMITS	MINIMUM 50 Psi, MAXIMUM 225 Psi
OFFSET	50 mm
INTENDED USE	ASTM CONDITION 3, XC Cross-Country
BIKE MODEL (s):	SCALPEL SE 27.5



ID	Part Number	Structure Parts	Comment
A	CK3417U000S	LEFTY BRAKE HOSE GUIDES	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
B	KH172/	FRAME BUMPER,LEFTY 12MM	
C	KH192/	GUARD LEFTY HYB 32 LONG	
D	KH219/03	CABLE GRD, LEFTY 2.0, CARBON	
	KH219/04	CABLE GRD, LEFTY 2.0, ALLOY	
E	KH161/	CLAMP BOLTS 20mm	For carbon outer tube
F	LEFTYBOLTS	BOLTS,LEFTY CALIPER/CLAMP	For alloy outer tube
G	KH111/	ADAPTER, LEFTY 60, 160	
G2	K54007	ADAPTER, BOLTS, MOUNTING, LEFTY	

ID	Part Number	Damper And Air Spring Parts	Comment
I	KH187/	DAMPER, LEFTY 2.0, 120,27	
J	CK3467U0055	LEFTY 32 UPPER AIR SEAL 16MM, SHAFT 55MM	
K	CK5037U000S	2SPRING, LEFTY 32, 16MM	
L	CK3477U0050	LEFTY 32 VOLUME REDUCER 50MM	This is the Dog Bone reducer #1
--	CK5407U000S	LEFTY 2SPRING UNIVERSAL 100 HOUR SEAL KIT	100 Hour Seal Kit
M	CK3487U000S	LEFTY VALVE CAP	
N	CK3497U000S	LEFTY TRAVEL REDUCERS 16MM SHAFT	
O	KH047/	VALVE CORES /10	
AA	KT028/	SCHRADER PLUG	
--	KH191/	SOLO AIR PISTON 120 29/275+	
P	KH151/	ADAPT OIL CYLINDER 32 /097/110/122/134	Kit includes multiple adapters, measure headtube to determine correct adapter; DO NOT INTERCHANGE.
Y	KH188/	PBR KNOB	
Q	KH147/LH	XLR LEVER LEFT HAND UPPER	Left H-bar lever, positions top bar
R	KH147/RH	XLR LEVER RIGHT HAND UPPER	Left H-bar lever, positions lower bar
S	KH217/LH	LEFTY 2.0 LH FULL SPRINT XLR AND REB ADJ	Full Sprint , positions top bar
T	KH217/RH	LEFTY 2.0 RH FULL SPRINT XLR AND REB ADJ	Full Sprint, positions lower bar
U	KH076/	REDUCER SOLO AIR TUNE	These are volume reducer pucks. #2

ID	Part Number	Steerer And Headset Parts	Comment
H	KH197/097	STEERER,L20 THICK FLANGE,097	For 97 mm Headtube Length
	KH197/110	STEERER,L20 THICK FLANGE,110	For 110mm Headtube Length
	KH197/122	STEERER,L20 THICK FLANGE,122	For 122 mm Headtube Length
	KH197/134	STEERER,L20 THICK FLANGE,134	For 134mm Headtube Length
V	QSCSEAL/	SEAL,UPPER BEARING,60MM OD	For 60mm O.D. head tube
Z	QSISEAL/	SEAL,UPPER BEARING,58MM OD	For 58mm O.D. headtube
W	HD169/	BEARINGS, HEADSET - 2	includes 2 bearings
X	HD210/	STEERER CAP	

ID	Part Number	Service Tools	Comment
--	KT020/	TOOL,LEFTY INSTALL	Install/remove steerer, not pictured
--	KH127/	TOOL OUTER CAP 36MM	Install/remove outer cap
--	KH198/	TOOL CASTLE SLIDER 40MM	Install/remove damping cartridge
--	KH135/	TOOL,SHAFT CLAMP, 16MM	Install/remove air piston assy.
--	KH136/	TOOL,BULLET, 16MM	Install upper air seal assy.
--	KH057/	TOOL,LEFTY THREAD REPAIR	Repair spindle threads, not pictured
--	QCTL108/	TOOL, TRUING AXLE	Wheel alignment
--	KH090/	TOOL, XLR BLEED	For XLR only

RECOMMENDED SAG	25-30 mm
TRAVEL LENGTH	100 mm
MANUAL RESET LENGTH	35 mm +/- 3
PRESSURE LIMITS	MINIMUM 50Psi, MAXIMUM 225 Psi
OFFSET	60 mm
INTENDED USE	ASTM CONDITION 3, XC Cross-Country
BIKE MODEL (s):	FAT CAAD



ID	Part Number	Structure Parts	Comment
A	CK3417U000S	LEFTY BRAKE HOSE GUIDES	Contains multiple clamp types/size , use 45mm and 43mm.
B	KH172/	FRAME BUMPER,LEFTY 12 MM	
C	KH137/	FORK GUARD, LEFTY HYB 36 140	
D	KH161/	CLAMP BOLTS 20MM	
E	KH112/	BRAKE, ADAPTER, HYB 36, 29 LEFTY 180	
F	KH219/05	CABLE GRD	

ID	Part Number	Damper And Air Spring Parts	Comment
G	KH188/	KNOBS,PBR	
I	KH132/	DAMPER,PBR 160 27.5"	
J	KH143/	SCHRADER PLUG,SUPERMAX	
K	KH047/	VALVE CORES /10	
L	KH117/	REDUCER,SOLO AIR TUNE 36	
M	CK3437U0080	LEFTY 36 UPPER AIR SEAL 16MM SHAFT 80MM	
N	CK5057U000S	2SPRING, LEFTY 36, 16MM	
O	CK3447U0042	LEFTY 36 VOLUME REDUCER 42MM	This is the Dog Bone reducer #1
--	CK5407U000S	LEFTY 2SPRING UNIVERSAL 100 HOUR SEAL KIT	100 Hour Seal Kit
P	CK3497U000S	LEFTY TRAVEL REDUCERS 16MM SHAFT	
Q	CK3487U000S	LEFTY VALVE CAP	

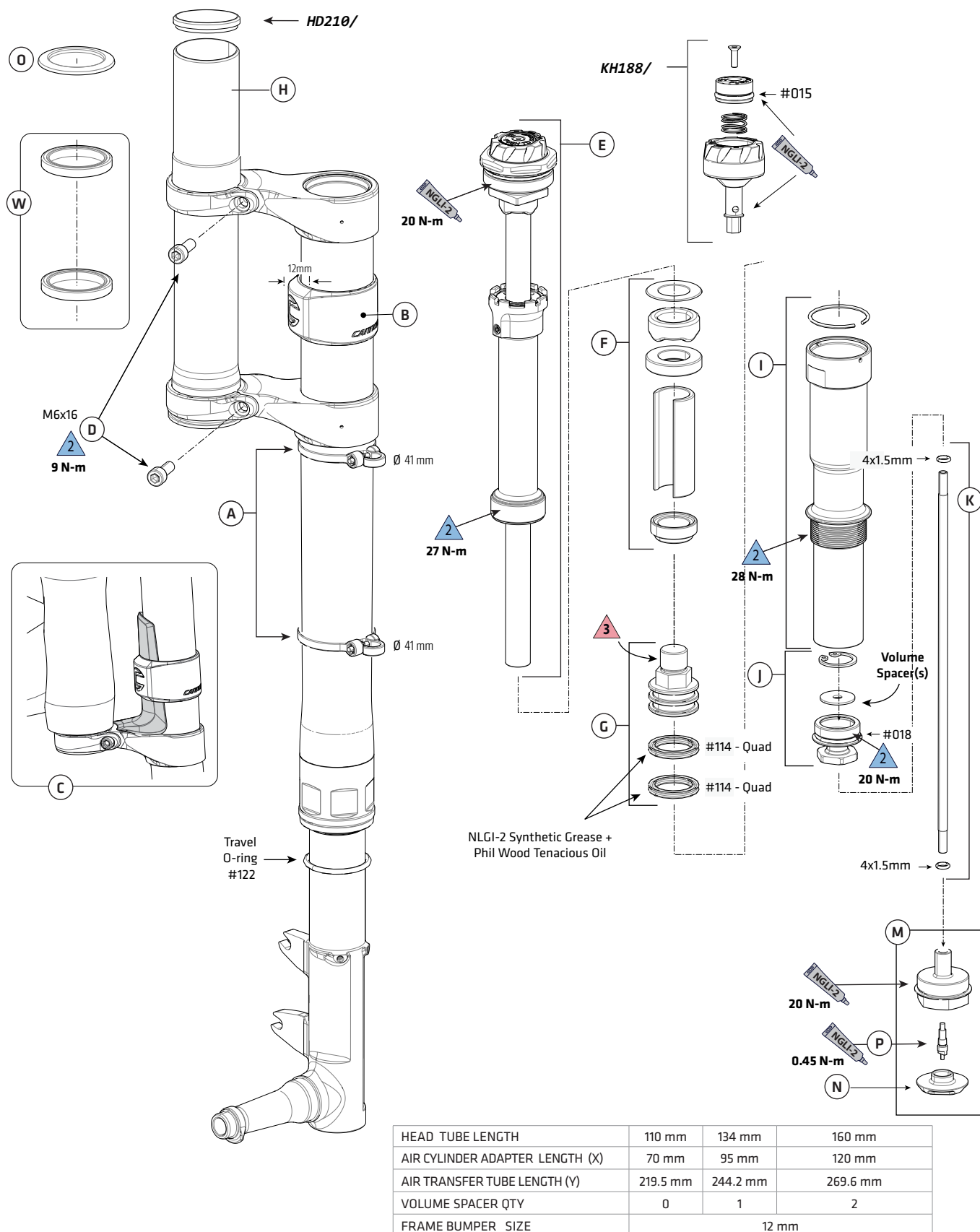
ID	Part Number	Steerer And Headset Parts	Comment
H	KH197/097	STEERER,L20 THICK FLANGE,097	For 97 mm Headtube Length
	KH197/110	STEERER,L20 THICK FLANGE,110	For 110 mm Headtube Length
	KH197/122	STEERER,L20 THICK FLANGE,122	For 122 mm Headtube Length
	KH197/134	STEERER,L20 THICK FLANGE,134	For 134mm Headtube Length
V	QSCSEAL/	SEAL,UPPER BEARING,60MM OD	
W	HD169/	BEARINGS, HEADSET - 2	includes 2 bearings
X	HD210/	STEERER CAP	

ID	Part Number	Service Tools	COMMENT
--	KT020/	TOOL,LEFTY INSTALL	Install/remove steerer
--	KH127/	TOOL,OUTER CAP 36MM	Install/remove outer cap
--	KH198/	TOOL,CASTLE SLIDER, 40mm	Install/remove damping cartridge
--	KH135/	TOOL,SHAFT CLAMP, 16MM	Install/remove air piston assy.
--	KH136/	TOOL,BULLET, 16MM	Install upper air seal assy.
--	KH057/	TOOL,LEFTY THREAD REPAIR	Repair spindle threads
--	KH164/	TOOL,TRUING AXLE ADAPTER OLAF	Also required - QCTL108/
--	QCTL108/	TOOL,TRUING AXLE	

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
BIKE MODEL (s):	SLATE



ID	Part Number	Structure Parts	Comment
A	CK3417U000S	LEFTY BRAKE HOSE GUIDES	Contains multiple clamp types/size , select appropriate. Use 41mm.
B	KH172/	FRAME BUMPER, LEFTY 12 MM	
C	KH219/01	CABLE GRD, LEFTY 1.0 /OLIVER, CARBON	
D	LEFTYBOLTS	BOLTS, LEFTY CALIPER/CLAMP	

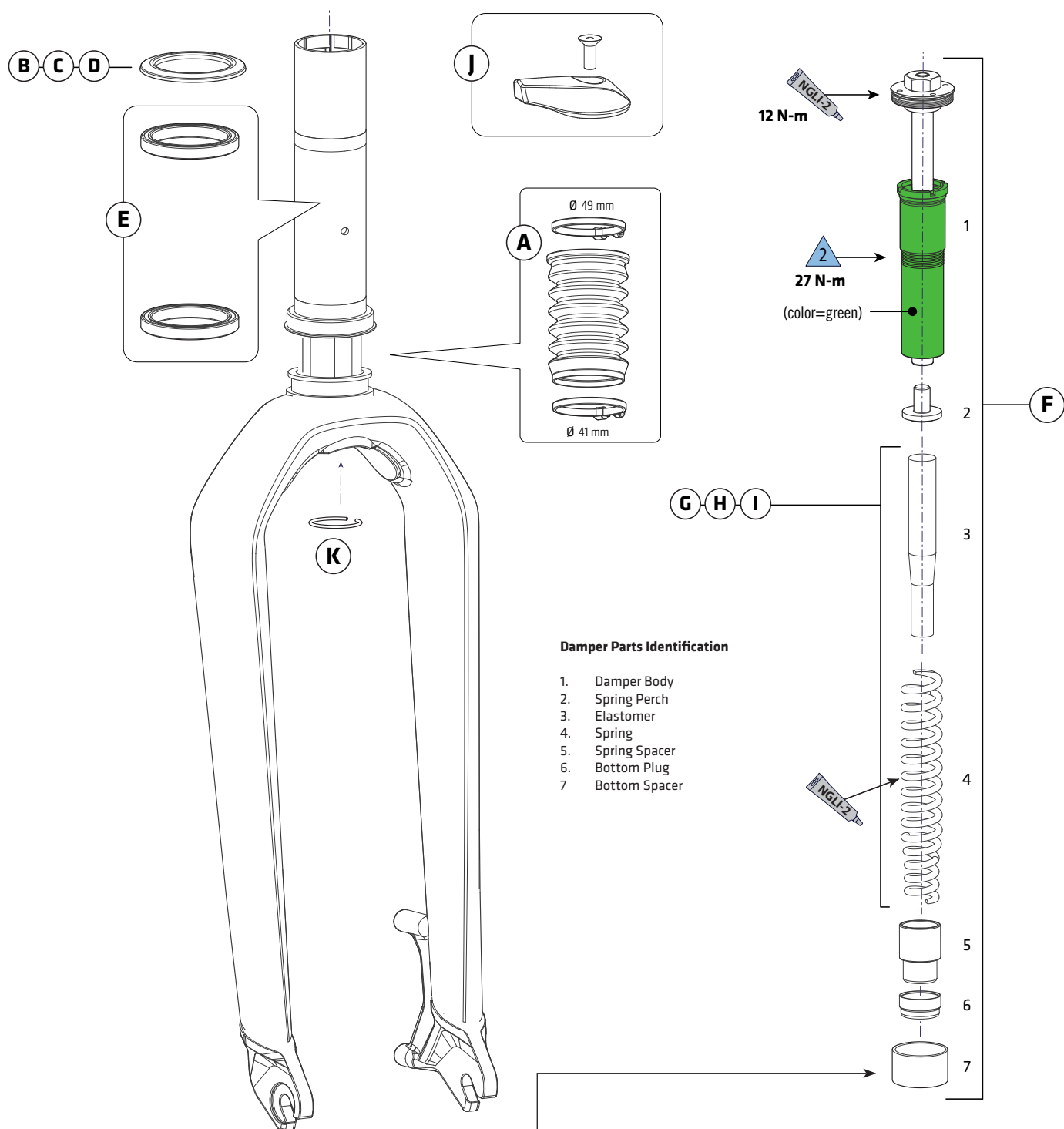
ID	Part Number	Damper And Air Spring Parts	Comment
E	KH199/	DAMPER, OLIVER	
F	CK3507U0063	LEFTY OLIVER TOPOUT SPACERS 63 MM	
G	CK3517U000S	LEFTY OLIVER AIR PISTON	
I	CK3527U00SM	LEFTY OLIVER AIR CYLINDER SM	
	CK3527U00MD	LEFTY OLIVER AIR CYLINDER MD	
	CK3527U00LG	LEFTY OLIVER AIR CYLINDER L/XL	
J	CK3537U000S	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/XL	
L	KH203/	SEALS, 100HR TUNE, OLIVER	
M	KH201/	SCHRADER PLUG, OLIVER	
N	CK3487U000S	LEFTY VALVE CAP	
P	KH047/	VALVE CORES 10X	

ID	Part Number	Steerer And Headset Parts	Comment
H	KH193/110	STEERER, L10, 110	For 110 mm Headtube
	KH193/134	STEERER, L10, 134	For 134 mm Headtube
	KH193/160	STEERER, L10, 160	For 160 mm Headtube
O	QSISEAL/	SEAL, UPPER BEARING 58MM OD	
W	HD169/	BEARINGS, HEADSET - 2	includes 2 bearings

ID	Part Number	Service Tools	Comment
--	KT020/	TOOL,LEFTY INSTALL	Install/remove steerer
--	KH127/	TOOL OUTER CAP 36MM	Install/remove outer cap
--	KH200/	TOOL, CASTLE SLIDER, 20.3MM	
--	HDTL187/	TOOL, SHAFT CLAMPS 1/2"	
--	HDTL168/	TOOL, BULLET TOOL 1/2"	
--	KH057/	TOOL,LEFTY THREAD REPAIR	Repair spindle threads
--	QCTL108/	TOOL, TRUING AXLE	
--	KH240/	TOOL, 29mm CYLINDER	

HEADSHOK DL50 2018

RECOMMENDED SAG	10-20mm
TRAVEL	50 mm
MANUAL RESET LENGTH	NA
PRESSURE LIMITS	N/A
OFFSET	45 mm
INTENDED USE	ASTM CONDITION 2, General Purpose
BIKE MODEL (s):	TESORO, CONTO-E



HEADTUBE LENGTH	134 mm	160 mm
CROWN HEIGHT	478 mm	478 mm
Install item "7"	NO	YES

ID	Part Number	Structure Parts
--	KF119/	RACE CLIP, METRIC
A	HD191/BLK	BOOT, HEADSHOK
B	QSMSEAL/	SEAL, UPPER BEARING, 50MM OD
C	QSISEAL/	SEAL, UPPER BEARING, 58MM OD
D	QSCSEAL/	SEAL, UPPER BEARING, 60MM OD
E	HD169/	BEARINGS, HEADSET (QTY=2)
K	HD170/	CIRCLIPS HEADSHOK (QTY=12)

ID	Part Number	Damper And Spring Parts
F	KF239/XL	DAMPER,DL50XL
G	KF241/	SPRING,DL50,SOFT
H	KF242/	SPRING,DL50,STD
I	KF243/	SPRING,DL50,FIRM
J	KF258/	LEVER,LO,DL80/50
--	KF236/	SEALS,DL50,DL80,DLR80

ID	Part Number	Service Tools
--	HDTL149/	TOOL,HEADSHOK INSTALL
--	HD136/	TOOL,OUTER CAP PIN
--	KH031/	TOOL,CASTLE TOOL-SUPER BLACK
--	KT016/	TOOL,BEARING RESET,ENGLISH & METRIC

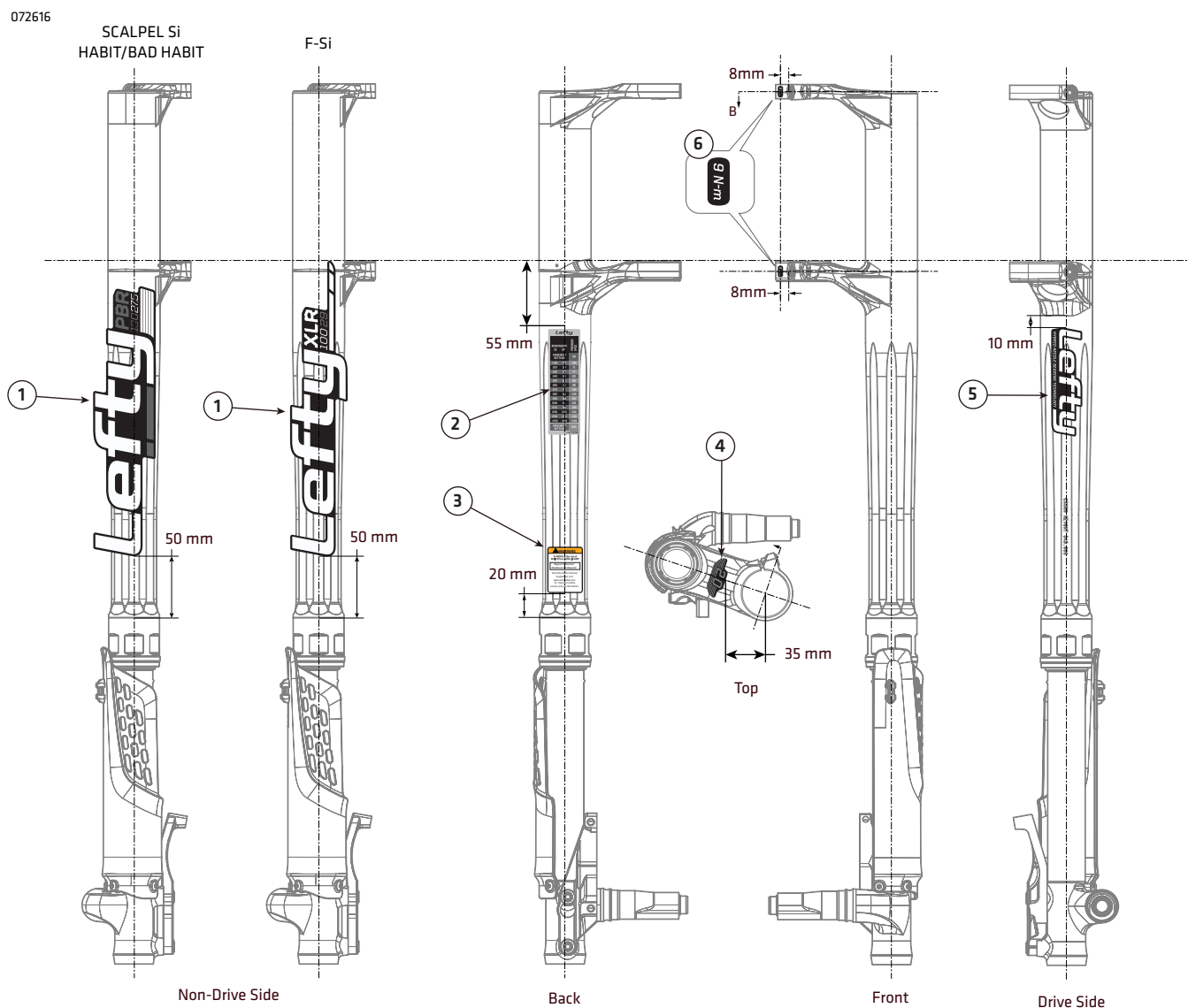
NOTES:

- 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 3mm 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 installation.

LEFTY DECAL KITS 2018

2018 Bike Model	Part Number	Description
Habit 1 ARD	K54008	Lefty Decals Habit 2018
Bad Habit 1 BLK		
Habit Women's 1 ARD		
Habit 3 SLA		
F-Si Team SGY	K54018	Lefty Decals F-Si 29 Carbon 2018
F-Si 1 BBQ		
F-Si 2 AGR		
F-Si Team SGY	K54038	Lefty Decals F-Si 27.5 Carbon 2018
F-Si 1 BBQ		
F-Si 2 AGR		
F-Si 3 NBL	K54048	Lefty Decals F-Si 29 Alloy 2018
F-Si 4 BLK		
F-Si Women's 1 NBL	K54058	Lefty Decals F-Si 27.5 Alloy 2018
F-Si 3 NBL		
F-Si 4 BLK		
Scalpel Si Team GRN	K54068	Lefty Decals Scalpel Si 29 Carbon 2018
Scalpel Si 1 VLT		
Scalpel Si Team GRN	K54078	Lefty Decals Scalpel Si 27.5 Carbon 2018
Scalpel Si 1 VLT		
Scalpel Si Women's 1 SGY		
Scalpel SE 1 SLA	K54088	Lefty Decals Scalpel Si 29 Alloy 2018
Scalpel Si 3 BBQ		
Scalpel Si 4 AGR		
Scalpel Si 5 BBQ		
Scalpel SE 1 SLA	K54098	Lefty Decals Scalpel Si 27.5 Alloy 2018
Scalpel Si Women's 2 ANT		
Scalpel Si 3 BBQ		
Scalpel Si 4 AGR		
Scalpel Si 5 BBQ	K54108	Lefty Decals Olaf 2018
Fat CAAD 1 NIT		
Slate SE Force ORG	K54118	Lefty Decals Slate 2018
Slate SE Apex GLB		

LEFTY DECALS PLACEMENT



KIT CONTENTS:

Each kit includes decals 1,2,3,4,5, and 6 on a single decal sheet. Multiple 2018 models are on the sheets. Be sure to note color specifics indicated.

- 1 - Main "Lefty" model decal. Varies with model/color
- 2 - Recommended Air Pressure decal
- 3 - Warning label
- 4 - Top clamp decal. Varies with model.
- 5 - Drive side "Lefty" needle bearing label, smaller.
- 6 - Clamp Bolt Tightening Torque labels (2X)

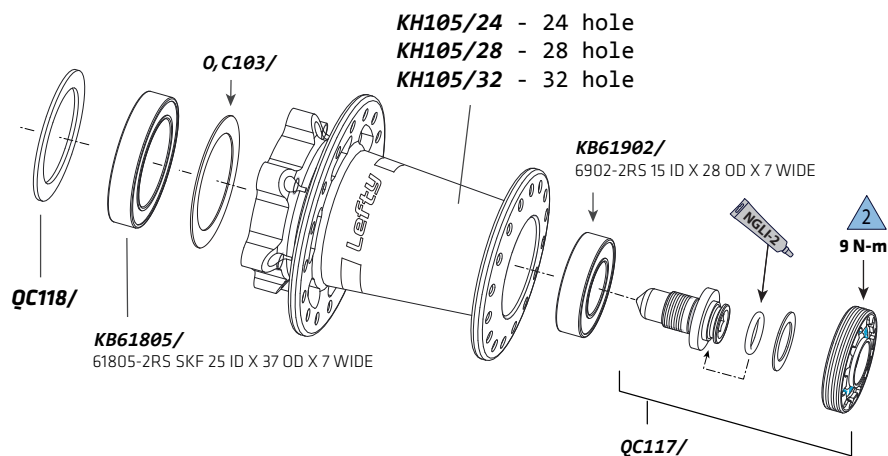
APPLICATION:

Before applying a replacement decal, prepare the fork surface by cleaning with ordinary dish soap and water followed with shop towel dampened with isopropyl alcohol.

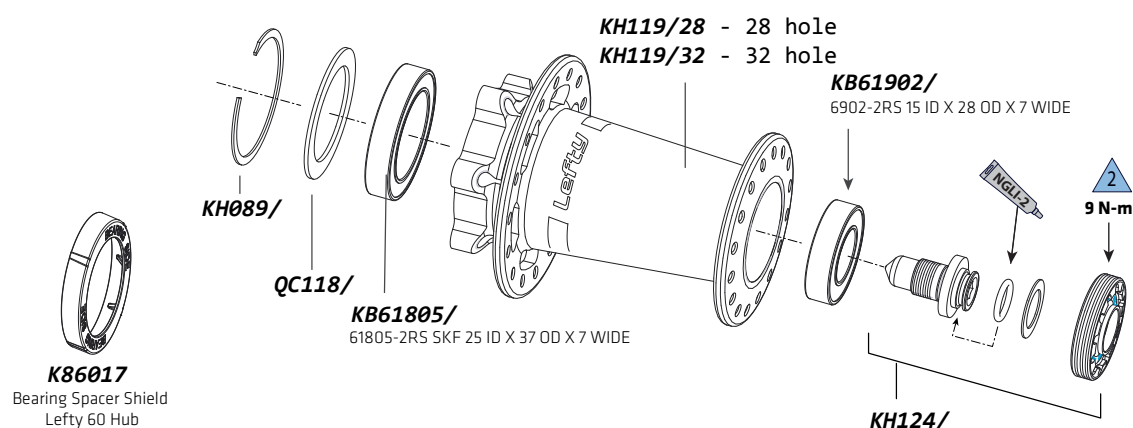
Align the decals to the fork as shown above.

LEFTY WHEEL HUB & BRAKE ADAPTERS

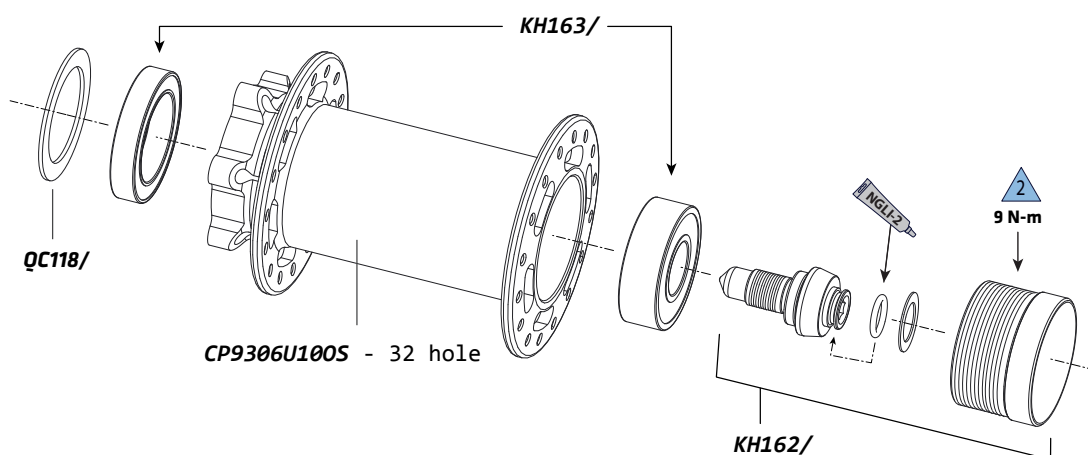
Lefty 50



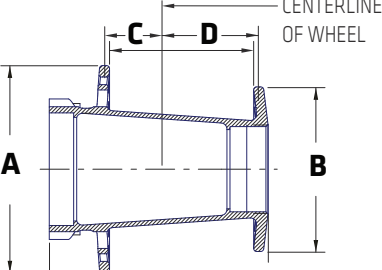
Lefty 60



Lefty 73



Dimensions For Wheel Building

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

Spoke hole diameter = 2.5mm

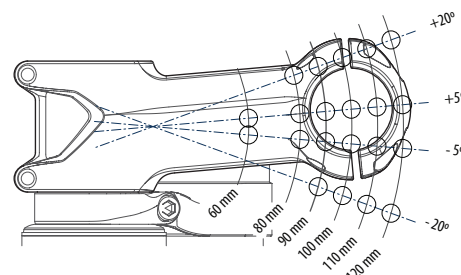
Brake Adapter Chart

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/	Lefty 2.0	Lefty 50	29"/27.5"+	55	160
	Olaf	Lefty 73	26" FAT	60	180
	Supermax	Lefty 50	29"	60	180
KH111/	Lefty 2.0	Lefty 60	29"	55	160
	Supermax	Lefty 60	29"/27.5"+	60	180
KH131/	Supermax	Lefty 50	27.5"	50	180
KH130/	Supermax	Lefty 60	27.5"	50	180
KH215/	Lefty 2.0	Lefty 60	27.5"	50	160
	Lefty 2.0	Lefty 60	29"	50	160
N/A	Lefty 2.0	Lefty 50	27.5"	50	160
N/A	Oliver	Lefty 50	650B	45	160

*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 support a minimum 160mm rotor and a 140mm can not be used. A 180mm may be used with a compatible 180mm rotor adapter mounted to the LEFTY adapter.

HEADSHOK STEMS/STEERERS



Headshok Stems

Part Number	Description	H-Bar Dia. (mm)	Stem Rise°	Stem Length (mm)
QSE060X05HS/BBQ	STEM, MTN, HSHK, 31.8, 05D, 60	31.8	+/- 5	60
QSE080X05HS/BBQ	STEM, MTN, HSHK, 31.8, 05D, 80		+/- 5	80
QSE090X05HS/BBQ	STEM, MTN, HSHK, 31.8, 05D, 90		+/- 5	90
QSE100X05HS/BBQ	STEM, MTN, HSHK, 31.8, 05D, 100		+/- 5	100
QSE110X05HS/BBQ	STEM, MTN, HSHK, 31.8, 05D, 110		+/- 5	110
QSE120X05HS/BBQ	STEM, MTN, HSHK, 31.8, 05D, 120		+/- 5	120
QSE080X20HS/BBQ	STEM, MTN, HSHK, 31.8, 20D, 80		+/- 20	80
QSE090X20HS/BBQ	STEM, MTN, HSHK, 31.8, 20D, 90		+/- 20	90
QSE100X20HS/BBQ	STEM, MTN, HSHK, 31.8, 20D, 100		+/- 20	100
QSE110X20HS/BBQ	STEM, MTN, HSHK, 31.8, 20D, 110		+/- 20	110
QSE120X20HS/BBQ	STEM, MTN, HSHK, 31.8, 20D, 120		+/- 20	120

1.5" Stems

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

1.5" Steerers

Part Number	Description	Headtube Length (mm)	Fits:
KH197/097	STEERER, L20, THICK FLANGE, 097	97	Lefty 2.0, Olaf and Supermax
KH197/110	STEERER, L20, THICK FLANGE, 110	110	
KH197/122	STEERER, L20, THICK FLANGE, 122	122	
KH197/134	STEERER, L20, THICK FLANGE, 134	134	
KH193/110	STEERER, L10, 110	110	Lefty Oliver
KH193/134	STEERER, L10, 134	134	Lefty Oliver and Lefty 1.0
KH193/160	STEERER, L10, 160	160	Lefty Oliver and Lefty 1.0 XL

MANUAL RESET

NOTICE

Do not disassemble or open for the following procedure.

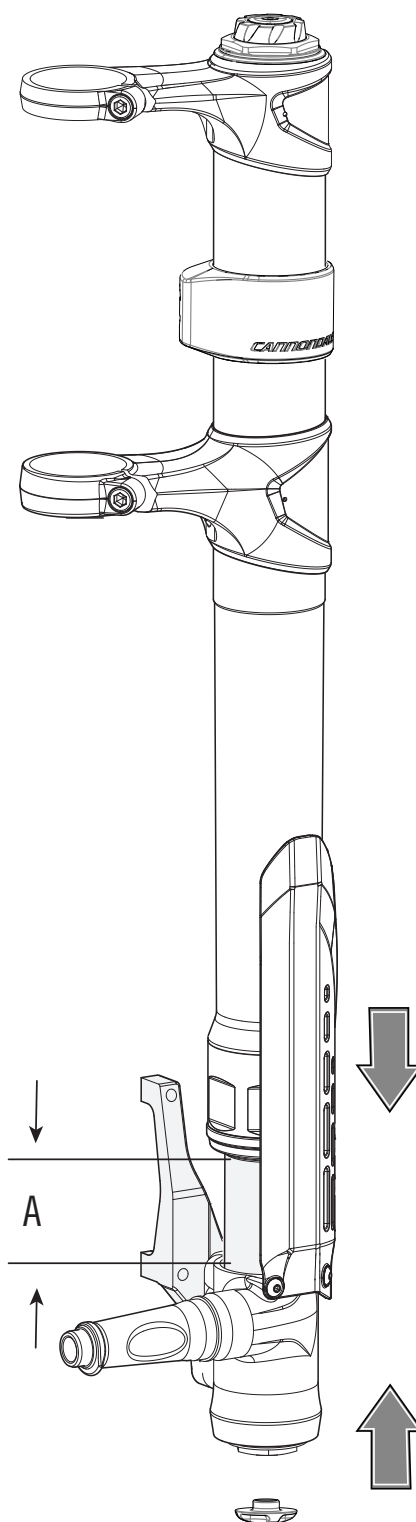
1. Perform with bike on the floor.
2. Cover the brake rotor with a clean shop towel. Remove the Schrader valve cap and hold the valve to release all air pressure. It is normal for a small amount of oil to be expelled with the escaping air.

WARNING

DO NOT CONTAMINATE BRAKE CALIPER, PADS, OR ROTOR WITH GREASE. Contamination can result in reduced or lost braking performance.

3. Hold the valve open while fully compressing the LEFTY with the the handlebar until it bottoms out. With the air out, using moderate force, bottom out the LEFTY firmly several times.
4. Now, measure length of exposed inner tube as shown (A).
Repeat step three until the correct measurement for your LEFTY is reached.
5. Set the air pressure. See Setting Air Pressure.
6. Replace schrader cap.

Lefty Model	Travel/Wheel (mm / in)	(A) Manual Reset Length +/- 3
LEFTY 2.0	100 / 29	35 mm
	100 / 27.5	15 mm
	120/29, 27.5+	35 mm
	130 / 27.5	25 mm
OLAF	100 / 26	35 mm
OLIVER	30/650B	3 mm



Measure Fully Compressed

BRAKE LINE ROUTING / CABLE GUIDES

Observe when routing the brake line:

1. Apply abrasion protection in areas (outer tube, clamps) where routing can contact LEFTY. Persistent contact can result in serious damage.
2. Route the brake line vertically through the guides as shown. This is the best way to ensure smooth cable/housing movement during fork travel.

Make sure the brake line is saddled in the guide and is securely fixed with the 3mm zip tie to prevent slippage. Position zip tie head against guide as shown.

NOTICE

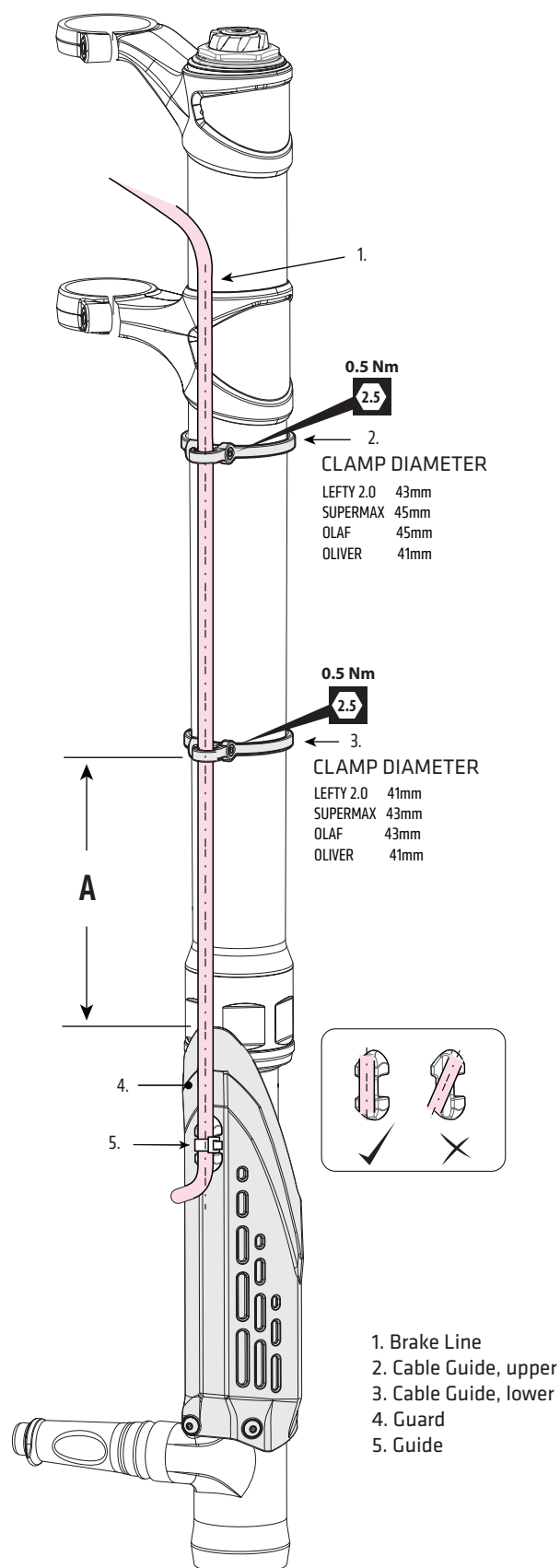
Tighten with a zip tie tool. Insufficient zip tie tension (fingers only) can permit line movement in the guide.

3. Route the brake line to the caliper as shown. Follow the brake manufacturer's instructions when adjusting and re-tightening the brake line to the caliper (banjo bolt).

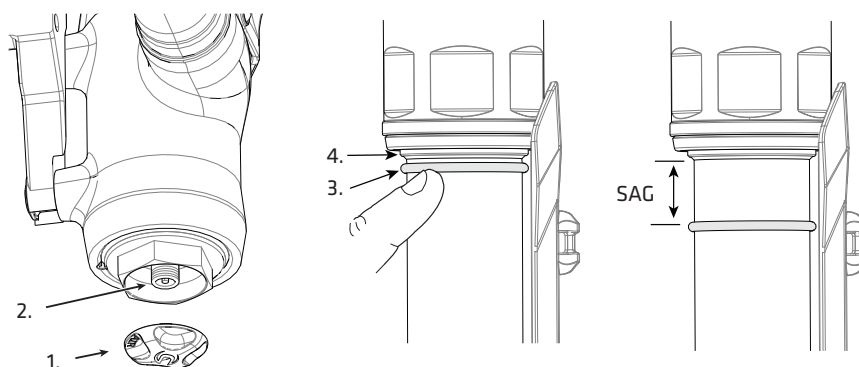
Lower Cable Guide Height - (A)

To prevent the guard from contacting the cable guide during compression, position the lower cable guide according to the table below.

Lefty Model	Travel/Wheel (mm / in)	(A) Lower Clamp Height TRAVEL + 30mm
Lefty 2.0	100 / 29	130
	100 / 27.5	130
	120 / 27.5/29	150
	130 / 27.5	160
Olaf	100 / 26	130
Oliver	30/650	N/A



LEFTY RECOMMENDED AIR PRESSURE



Setting Air Pressure

1. Remove the valve cap (1) at the bottom of the LEFTY.
2. Attach a bicycle suspension pump to the Schrader valve (2).

NOTICE

A dirty pump or valve end can result in contamination, damage, and air loss. Make sure pump and valve are clean before attachment.

3. Pressurize to the recommended initial starting air pressure according to your weight. See table.
4. Slide the sag O-ring (3) against the wiper seal (4).
5. Sit on bike in riding position; have someone help stabilize you upright or lean against a stable object to avoid bouncing. Gently dismount and measure the sag.

NOTE: Your riding position, riding style, and bike model affects weight distribution and therefore influences sag. For example, shifting forward in position will result in more sag, shifting back will result in less sag. For this reason, it's a good idea to record your individual pressures, using the table as only a guide.

6. Re-measure the sag. If:

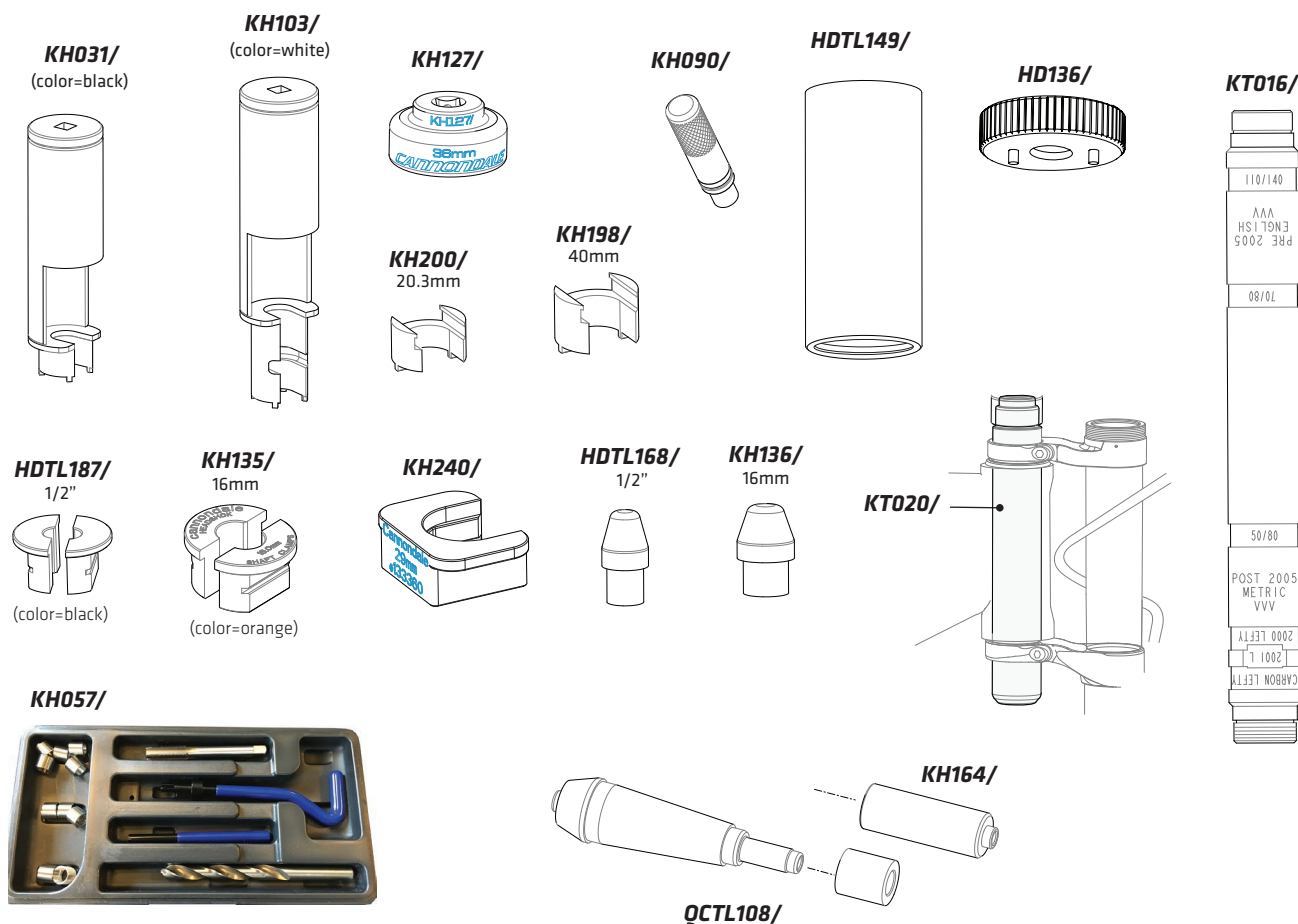
Too much sag	Add air in small increments
Too little sag	Reduce air in small increments
Excessive bottom out	Increasing air pressure
Harsh ride or limited travel	Reduce air pressure

7. Remove the pump and replace the valve cap when you are done.

Air Pressure by Bike Model *(all pressure shown in psi)*

RIDER WT.		Oliver 30mm Slate	Lefty 2.0 100mm Scalpel, F-SI	Lefty 2.0 120mm/130mm Scalpel SI SE, Habit, Bad Habit	Olaf 100mm FATCAAD
Lb	Kg				
120	54	110	71	71	55
130	59	120	77	77	60
140	64	130	83	83	64
150	68	140	90	90	68
160	73	150	96	96	73
170	77	160	102	102	78
180	82	170	109	109	82
190	86	180	115	115	87
200	91	190	121	121	91
210	95	200	128	128	96
220	100	210	134	134	100
230	104	220	140	140	105
Minimum (psi)		50	50	50	50
Maximum (psi)		250	225	225	225

COMMON SHOP SERVICE TOOLS



Part Number	Description	Use
KT016/	TOOL BEARING RESET	Headshok/Solo Needle Bearing Reset
HDTL168/	BULLET TOOL 1/2"	Prevent Damage Of O-Rings During Re-Assembly Of Upper Air Seals
KH136/	KIT TOOL BULLET 16MM	Prevent Damage Of O-Rings During Re-Assembly Of Upper Air Seals
KH200/	CASTLE SLIDER, 20.3MM	Oliver Damper Removal
KH198/	TOOL, CASTLE SLIDER, 40MM	Lefty 2.0, Supermax, Olaf Damper Removal
KH031/	TOOL CASTLE TOOL-SUPER BLACK	Lefty 1.0 (Booted) Damper Removal
KH103/	TOOL CASTLE TOOL-SUPER HYBRID WHITE	Lefty 1.0 (Hybrid) Damper Removal
HDTL149/	TOOL HS BEARING/CROWN RACE	Install Headshok Headset Bearings
KT020/	TOOL LEFTY STEERER INSTALL	Install Lefty Steerer Into Frame
QCTL108/	TOOL LEFTY TRUING AXLE	Truing Of Lefty 50 Hub & Lefty 60 Hub Equipped Wheels
KH127/	TOOL OUTER CAP 36MM	Removal Of Outer Cap Of Lefty 2.0, Supermax, Olaf, And Oliver
HDTL187/	TOOL, SHAFT CLAMPS 1/2"	Clamp Lower Shaft Of Lefty 1.0 And Oliver Damper
KH135/	TOOL SHAFT CLAMP 16MM	Clamp Lower Shaft Of Lefty 2.0, Supermax, And Olaf Damper
KH164/	TOOL TRUING AXLE ADAPTER FATMAX	Truing Of Lefty 73 Hub Equipped Wheel
KH090/	TOOL XLR BLEED TOOL	Positions Xlr Damper To 'On' Position For Bleed Process
KH240/	TOOL, 29MM CYLINDER	Lefty Oliver 100 Service, Cartridge Assembly/Disassembly And All 32 2.0 If Damper Needs To Be Changed.
KH057/	LEFTY SPINDLE REPAIR TOOL	Replacement of helicoil

REAR DERAILLEUR HANGERS 2018

List by Recent Platform/Model

For bikes not listed, please consult earlier Cannondale Technology Support revisions.

Platform	Model Year	Model Name	Part Number
Adventure	2018-2017	Adventure	KP284/
	2016-2011		KF051/
Althea	2018-2016	Althea	KP284/
Bad Boy	2018-2016	Bad Boy 1	CK3327U000S
		Bad Boy 2, 3, 4	KP284/
Bad Habit	2018-2016	Bad Habit Al	KP381/
		Bad Habit Crb/Al	
		Bad Habit Crb	
Beast of the East	2017-2016	Beast of the East	KP419/
CAAD Optimo	2018-2017	CAAD Optimo	KP255/
		CAAD Optimo Disc	
CAAD8	2016	CAAD8	KP158/, KP255/
CAAD10	2016-2011	CAAD10	KP158/
		CAAD10 Wmn	
CAAD12	2018-2016	CAAD12	KP255/
		CAAD12 Disc	
CAADX	2018-2016	CAADX	KP255/
Catalyst	2018-2016	Catalyst	KP284/
Contro	2016-2015	Contro 3,4	KP284/
Contro-E	2018-2016	Contro-E Speed	KP357/ (w/der.)
		Contro-E Rigid	CK3327U000S (fixed)
Cujo	2018-2017	Cujo	KP284/
Cujo Neo	2018	Cujo Neo	KP173/
Fat CAAD	2018-2016	Fat CAAD	KP173/
Foray	2018-2017	Foray	KP284/
F-Si	2018-2015	F-Si Crb	KP121/
		F-Si HM	
		F-Si Al	
Habit	2018-2016	Habit Al	KP381/
		Habit Crb/Al	
		Habit Crb	
Hooligan	2018-2016	Hooligan	No Hanger
Jekyll	2018	Jekyll Al	CK3257U000S
		Jekyll Crb	
		Jekyll Crb/Al	
	2017-2015	Jekyll 27.5	KP173/

REAR DERAILLEUR HANGERS

List by Recent Platform/Model

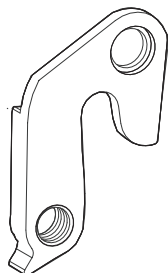
Platform	Model Year	Model Name	Part Number
Kids	2018	Kids Quicks	KP284/
		Kids Trail 20 & 24	
		Kids Cujo 20 & 24	
	2017-2014	Kids Race 24	
		Kids Trail 24	
		Kids Street 24	
	2017-2014	Kids Street 20, Kids Trail 20	KP445/
Law Enforcement	2017-2016	Law Enforcement	KP284/
Mavaro Neo	2018	Mavaro Neo 1, 3	KP284/
		Mavaro Neo City 1	K33018
		"Mavaro Neo 2	K33028
		Mavaro Neo City 2"	K33038
Moterra	2018-2017	Moterra	KP173/
		Moterra LT	
Quick	2018-2016	Quick	KP284/
Quick Crb	2018-2015	Quick Crb	KP255/
Quick CX	2018-2015	Quick CX	KP284/
Quick Speed	2016-2014	Quick Speed	KF096/
Quick Neo	2018	Quick Neo	KP284/
Scarlet	2018	Scarlet	KP284/
Scalpel 29	2016-2012	Scalpel 29	KP173/
Scalpel Si	2018-2017	Scalpel Si Crb	KP432/
		Scalpel Si Crb/Al	
		Scalpel Si HM	
		Scalpel Si Al	
Slate	2018-2016	Slate	KP419/
Slice	2017-2015	Slice Multisport	KP255/
SuperSix EVO	2018-2017	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/

Platform	Model Year	Model Name	Part Number
SuperX	2018-2017	SuperX	KP419/
	2016-2011	SuperX	KP158/
Synapse	2018	Synapse Al Disc	KP255/
		Synapse Crb	KP158/
		Synapse Crb Disc	KP419/
		Synapse HM Disc	
	2017	Synapse Al	KP255/
		Synapse Al Disc	
		Synapse Crb	KP158/
		Synapse Crb Disc	
		Synapse HM	
		Synapse HM Disc	
	2016-2013	Synapse Al	KP255/, KF096/
		Synapse Crb	KP158/
		Synapse Crb Disc	
		Synapse HM	
Tandem	2018-2016	Tandem 29er	KF051/
		Tandem Road	
Tango	2018-2016	Tango	KP284/
Tesoro	2018	Tesoro	KP255/
Tesoro Neo	2018	Tesoro Neo	KP284/
Touring	2018-2016	Touring	KP048/
Trail	2018-2015	Trail	KP284/
Trail Neo	2018	Trail Neo	KP173/
Trigger	2018	Trigger Crb	CK3257U000S
		Trigger Crb/Al	
	2017-2015	Trigger 27.5	KP173/

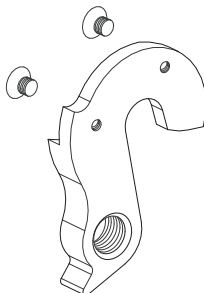
REAR DERAILLEUR HANGERS

Visual Guide

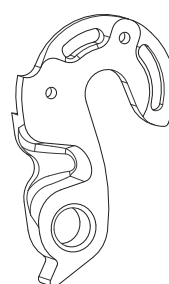
KF051/



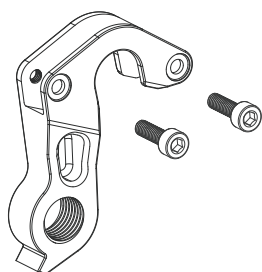
KF096/



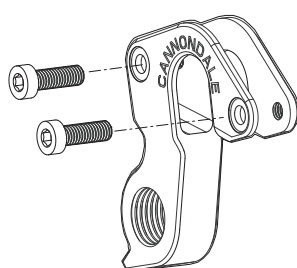
KP048/



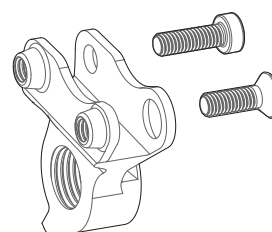
KP121/



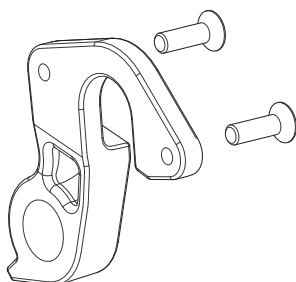
KP158/



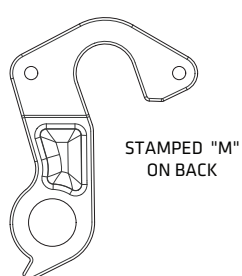
KP173



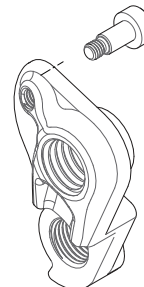
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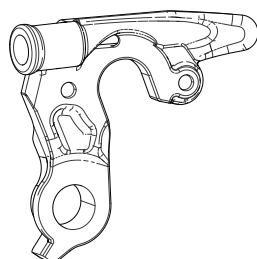
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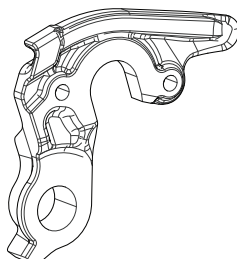
KP381/



KP395/



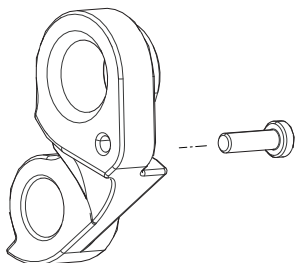
KP396/



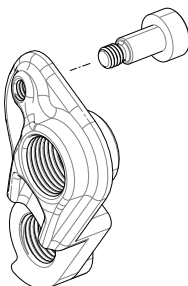
REAR DERAILLEUR HANGERS

Visual Guide

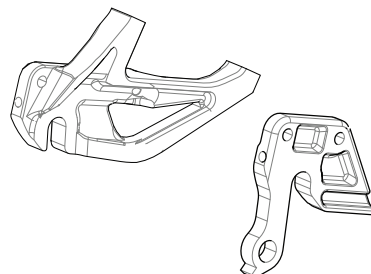
KP419/



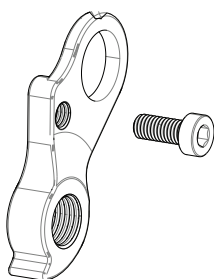
KP432/



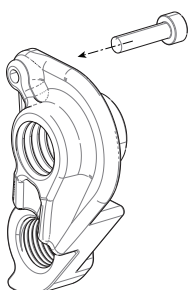
KP357/



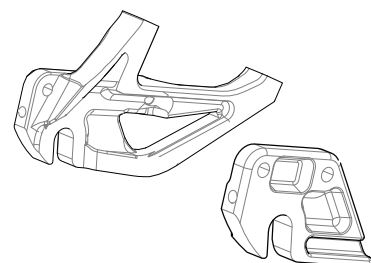
CK3057U000S



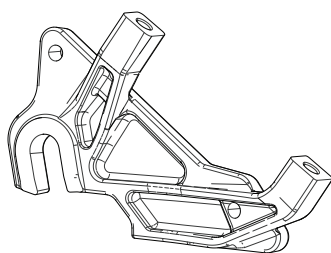
CK3257U000S



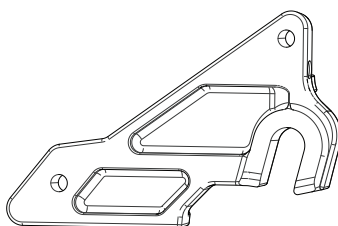
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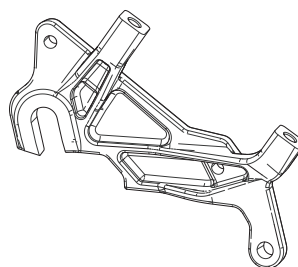
K33018



K33028



K33038



CANNONDALE WHEELS 2018

Wheels and Service Parts by Model

BIKE MODEL		WHEEL		HUB	
		Front	Rear	Front	Rear
Synapse HM Disc Dura Ace Di2	Hollowgram 35 SL Disc	K87048	K87058	K82008	DT 240
Supersix Evo HM Disc Dura Ace	Hollowgram 35 Si Disc	K87068	K87078	K82008	K82018
Synapse HM Disc Red Etap	Hollowgram 35 Si Disc	K87068	K87088	K82008	KA068/RR
Women Synapse HM Disc Etap	Hollowgram 35 Si Disc	K87068	K87088	K82008	KA068/RR
Supersix Evo Carbon Dura Ace	Hollowgram 35 Si Rim	K87098	K87108	KA101/FT	KA101/RR
CAAD12 Red Etap	Hollowgram 35 Si Rim	K87098	K87108	KA101/FT	KA101/RR
Supersix Evo HM Red Etap	Hollowgram 35 SL Rim	K87118	K87128	KA101/FT	KA101/RR
Supersix Evo Crb Red Etap	Hollowgram 35 SL Rim	K87118	K87128	KA101/FT	KA101/RR
Womens Supersix Evo HM Dura Ace	Hollowgram 35 SL Rim	K87118	K87128	KA101/FT	KA101/RR
Synapse HM Disc Dura-Ace	Hollowgram 35 Disc	K87138	K87148	K82008	K82028
Superx Di2	Hollowgram 35 Disc	K87138	K87158	K82008	K82028
Womens F-Si HM 1	Hollowgram 23 SL	K8737827	K8739827	KA070/FT	DT
F-Si HM 2 27.5	Hollowgram 23	K8741827	K8740827	KA070/FT	DT
F-Si HM 2 29	Hollowgram 23	K8741829	K8740829	KA070/FT	DT
Scalpel Si HM 1 27.5	Hollowgram 23 SL	K8737827	K8738827	KA070/FT	DT
Scalpel Si HM 1 29	Hollowgram 23 SL	K8737829	K8738829	KA070/FT	DT
Scalpel Si Carbon 2 Eagle 27.5	Hollowgram 23 SL	K8737827	K8738827	KA070/FT	DT
Scalpel Si Carbon 2 Eagle 29	Hollowgram 23 SL	K8737829	K8738829	KA070/FT	DT
Womens Scalpel Si Carbon 1	Hollowgram 23 SL	K8737827	K8738827	KA070/FT	DT
F-Si HM 1 27.5	Hollowgram 23 SL	K8737827	K8739827	KA070/FT	DT
F-Si HM 1 29	Hollowgram 23 SL	K8737829	K8739829	KA070/FT	DT
Habit Carbon Ai 1	Hollowgram 30	K87168	K87178	KA070/FT	DT
Jekyll Carbon 1	Hollowgram 30	K87188	K87198	CK8178U100S	DT
Trigger Carbon 1	Hollowgram 30	K87188	K87198	CK8178U100S	DT
Bad Habit Carbon Ai 1	Hollowgram 40	K87208	K87218	KA070/FT	DT
Scalpel Si Carbon 2 Eagle 29	C-Zero 29	K8727829	K8728829	K82038	DT
Scalpel Si Carbon 2 Eagle 27.5	C-Zero 27.5	K8727827	K8728827	K82038	DT
Scalpel Si Carbon 2 Eagle 29 EU	C-Zero 29	K8726829	K8728829	KA070/FT	DT
Scalpel Si Carbon 2 Eagle 27.5 EU	C-Zero 27.5	K8726827	K8728827	KA070/FT	DT

CK5307U000S

CZero Steel Axle

END CAP		FREEHUB BODY	RIM	
Front	Rear		Front	Rear
K86008	DT	DT	K84008	K84018
K86007	CK8187U000S	KP416/	K84008	K84018
K86007	CK8267U000S	KP416/	K84008	K84018
K86007	CK8267U000S	KP416/	K84008	K84018
K86028	K86038	KP488/	K84217	KP494/
K86028	K86038	KP488/	K84217	KP494/
K86028	K86038	KP488/	K84028	KP494/
K86028	K86038	KP488/	K84028	KP494/
K86028	K86038	KP488/	K84028	KP494/
K86007	CK8267U000S	KP416/	K84008	K84018
K86007	CK8267U000S	KP416/	K84008	K84018
N/A	DT	DT	K84038	K84038
N/A	DT	DT	K84038	K84038
N/A	DT	DT	K84048	K84048
N/A	DT	DT	K84038	K84038
N/A	DT	DT	K84048	K84048
N/A	DT	DT	K84038	K84038
N/A	DT	DT	K84048	K84048
N/A	DT	DT	K84038	K84038
N/A	DT	DT	K84038	K84038
N/A	DT	DT	K84048	K84048
N/A	DT	DT	K8736827	K8736827
K86018	DT	DT	K8736827	K8736827
K86018	DT	DT	K8736827	K8736827
N/A	DT	DT	KP490/	KP490/
N/A	DT	DT	KP489/29	KP489/29
N/A	DT	DT	KP489/27	KP489/27
N/A	DT	DT	KP489/29	KP489/29
N/A	DT	DT	KP489/27	KP489/27

FREEHUB BODIES 2018

By Model

Model Name	Part Number
700 M S6 EVO Disc Black Inc	Contact Hub Manufacturer
700 M S6 EVO Black Inc	Contact Hub Manufacturer
700 M S6 EVO HM Disc Team Di2	Contact Hub Manufacturer
700 M S6 EVO HM D/A Di2	Contact Hub Manufacturer
700 M S6 EVO HM Red eTap	KP488/
700 F S6 EVO HM D/A	KP488/
700 M S6 EVO HM Disc D/A	KP416/
700 M S6 EVO Crb Red eTap	KP488/
700 M S6 EVO Crb D/A	KP488/
700 M S6 EVO Crb Disc Ult Di2	Contact Hub Manufacturer
700 F S6 EVO Crb Disc Ult Di2	Contact Hub Manufacturer
700 M S6 EVO Crb Ult Di2	Contact Hub Manufacturer
700 M S6 EVO Crb Ult Di2	Contact Hub Manufacturer
700 M S6 EVO Crb Disc Ult	Contact Hub Manufacturer
700 F S6 EVO Crb Disc Ult	Contact Hub Manufacturer
700 M S6 EVO Crb Ult	Contact Hub Manufacturer
700 M S6 EVO Crb 105	Contact Hub Manufacturer
700 F S6 EVO Crb 105	Contact Hub Manufacturer
700 M Synapse HM Disc D/A Di2	Contact Hub Manufacturer
700 M Synapse HM Disc Red eTap	KP416/
700 M Synapse HM Disc D/A	KP416/
700 M Synapse Crb Disc Red eTap	Contact Hub Manufacturer
700 M Synapse Crb Disc D/A	Contact Hub Manufacturer
700 M Synapse Crb Disc Ult Di2	Contact Hub Manufacturer
700 M Synapse Crb Disc SE Ult	KP464/
700 M Synapse Crb Disc Ult	Contact Hub Manufacturer
700 M Synapse Crb Disc SE Apex 1	K81028
700 M Synapse Crb Ult	Contact Hub Manufacturer
700 M Synapse Crb Disc 105	K81028
700 M Synapse Crb 105	Contact Hub Manufacturer
700 M Synapse Al Disc SE 105	KP415/
700 M Synapse Al Disc 105	KP415/
700 M Synapse Al Disc Tgra	KP413/
700 M Synapse Al Disc Sora	K81058
700 F Synapse HM Disc Red eTap	KP416/
700 F Synapse Crb Disc Ult Di2	Contact Hub Manufacturer
700 F Synapse Crb Disc Ult	Contact Hub Manufacturer
700 F Synapse Crb Disc SE Apex 1	K81028
700 F Synapse Crb 105	Contact Hub Manufacturer
700 F Synapse Crb 105	KP415/
700 F Synapse Al Disc 105	KP415/
700 F Synapse Al Disc Tgra	KP413/
700 F Synapse Al Disc Sora	K81058
700 M CAAD12 Red eTap	KP488/
700 M CAAD12 Disc D/A	KP416/
700 M CAAD12 Disc Ult	Contact Hub Manufacturer
700 M CAAD12 Ult	Contact Hub Manufacturer

Model Name	Part Number
700 F CAAD12 Ult	Contact Hub Manufacturer
700 M CAAD12 Disc 105	KP415/
700 M CAAD12 105	Contact Hub Manufacturer
700 M CAAD12 105	Contact Hub Manufacturer
700 F CAAD12 105	Contact Hub Manufacturer
700 M CAAD12 Tgra	KP415/
700 M CAAD Optimo 105	KP415/
700 M CAAD Optimo Tgra	KP415/
700 M CAAD Optimo Tgra	KP415/
700 M CAAD Optimo Sora	KP413/
700 M CAAD Optimo Sora	KP413/
650 M Slate SE Force 1	K81028
650 M Slate SE Apex 1	K81028
700 M CAADX Ult	KP415/
700 M CAADX SE 105	KP415/
700 M CAADX 105	KP415/
700 M CAADX Tgra	KP413/
700 F CAADX Apex 1	KP415/
700 M SuperX Di2	KP416/
700 M SuperX SE Force 1	KP464/
700 M SuperX Force 1	KP464/
700 M SuperX Apex 1	K81028
700 F SuperX Force 1	KP464/
700 M SuperSlice D/A Di2	Contact Hub Manufacturer
700 M SuperSlice Red eTap	Contact Hub Manufacturer
700 M SuperSlice Ult Di2	KP416/
650 M Touring Disc SE Apex 1	KP413/
27.5 M Jekyll Crb 1	Contact Hub Manufacturer
27.5 M Jekyll Crb/Al 2	Contact Hub Manufacturer
27.5 M Jekyll Crb/Al 3	KP460/
27.5 M Jekyll Al 4	KP460/
27.5 M Trigger Crb 1	Contact Hub Manufacturer
27.5 M Trigger Crb/Al 2	Contact Hub Manufacturer
27.5 M Trigger Crb/Al 3	KP460/
27.5 F Trigger Crb/Al 1	KP460/
27.5 M Habit Crb/Al 1	Contact Hub Manufacturer
27.5 M Habit Crb/Al 2 SE	Contact Hub Manufacturer
27.5 M Habit Crb/Al 3 Lefty	KP414/
27.5 M Habit Crb/Al 3	KP414/
27.5 M Habit Al 4	KP459/
27.5 M Habit Al 5	KP459/
27.5 M Habit Al 6	KP459/
27.5 F Habit Crb/Al 1	KP414/
27.5 F Habit Crb/Al 1 Lefty	KP414/
27.5 F Habit Al 2	KP459/
27.5 F Habit Al 3	KP459/
27.5 M Scalpel Si HM Team	Contact Hub Manufacturer

FREEHUB BODIES 2018

By Model

Model Name	Part Number
27.5 M Scalpel Si HM 1	Contact Hub Manufacturer
27.5 M Scalpel Si Crb 2 Eagle	Contact Hub Manufacturer
27.5 M Scalpel Si Crb 2 Eagle	Contact Hub Manufacturer
27.5 M Scalpel Si Crb SE 1	Contact Hub Manufacturer
27.5 M Scalpel Si Crb 3	K81007
27.5 M Scalpel Si Crb SE 2	KP462/
27.5 M Scalpel Si Crb 4	KP414/
27.5 M Scalpel Si Al 5	KP460/
27.5 F Scalpel Si Crb 1	Contact Hub Manufacturer
27.5 F Scalpel Si Crb 2	KP414/
27.5 M F-Si Crb 3	KP414/
27.5 M F-Si Crb 4	KP413/
27.5 M F-Si Crb 5	KP413/
27.5 M F-Si Crb 5	KP413/
27.5 F F-Si Crb 1 Wmn	KP467/
27.5 F F-Si Crb 2	KP413/
27.5+ M Cujo 1	KP413/
27.5+ M Cujo 2	KP413/
27.5+ M Cujo 3	KP413/
27.5 M Trail 1	KP413/
27.5 M Trail 2	KP413/
27.5 M Trail 3	KP413/
27.5 M Trail 3	KP413/
27.5 M Trail 4	KP413/
27.5 M Trail 5	KP413/
27.5 M Trail 6	KP413/
27.5 M Trail 7	KP413/
27.5+ F Trail Scarlet 1	KP413/
27.5+ F Trail Scarlet 2	KP413/
27.5 F Trail Tango 1	KP413/
27.5 F Trail 1	KP413/
27.5 F Trail Tango 2	KP413/
27.5 F Trail 2	KP413/
27.5 F Trail Tango 3	KP413/
27.5 F Trail 3	KP413/
27.5+ M Bad Habit Crb/Al 1	Contact Hub Manufacturer
27.5+ M Bad Habit Crb/Al 2	Contact Hub Manufacturer
27.5+ M Bad Habit Al 3	KP460/
27.5+ M Bad Habit Al 4	KP459/
26 M Fat CAAD 1	Contact Hub Manufacturer
26 M Fat CAAD 2	Contact Hub Manufacturer
27.5 M Catalyst 2	KP413/
27.5 M Catalyst 3	Contact Hub Manufacturer
27.5 M Catalyst 4	Contact Hub Manufacturer
27.5 F Foray 2	KP413/
27.5 F Foray 3	Contact Hub Manufacturer
27.5 F Foray 4	Contact Hub Manufacturer

Model Name	Part Number
700 M Quick Crb 1	KP415/
700 M Quick Crb 2	KP413/
700 M Quick CX 1	KP413/
700 M Quick Disc 1	KP415/
700 M Quick Disc 2	KP413/
700 M Quick CX 2	KP413/
700 M Quick Disc 3	KP413/
700 M Quick CX 3	KP413/
700 M Quick 4	K81058
700 M Quick CX 4	KP413/
700 M Quick Disc 5	KP413/
700 M Quick 6	K81058
700 M Quick 7	K81058
700 M Quick 8	N/A
700 F Quick Disc 1	KP415/
650 F Quick Althea 1	KP413/
700 F Quick Disc 2	KP413/
650 F Quick Althea 2	KP413/
700 F Quick Disc 3	KP413/
700 F Quick 4	K81058
700 F Quick Disc 5	KP413/
650 F Quick Althea 3	KP413/
700 F Quick 6	K81058
700 F Quick 7	K81058
700 F Quick 8	N/A
700 M Adventure 2	N/A
700 M Adventure 1	K81058
700 M Adventure 2	K81058
700 M Adventure 3	N/A
700 F Adventure 2	N/A
700 F Adventure 1	K81058
700 F Adventure 2	K81058
700 F Adventure 3	N/A
27.5 M Bad Boy 1	N/A
27.5 M Bad Boy 2	KP415/
27.5 M Bad Boy 3	KP413/
27.5 M Bad Boy 4	KP413/
700 U Tesoro Mixte 1	Contact Hub Manufacturer
700 U Tesoro Mixte 2	Contact Hub Manufacturer
700 U Tesoro Mixte 3	Contact Hub Manufacturer
700 M Tesoro 1	Contact Hub Manufacturer
700 M Tesoro 2	Contact Hub Manufacturer
700 M Tesoro 3	Contact Hub Manufacturer
20 M Hooligan 1	Contact Hub Manufacturer
29 M Tandem 29er	Contact Hub Manufacturer
700 M Tandem Road 2	Contact Hub Manufacturer
24+ U Cujo	KP413/

FREEHUB BODIES 2018

By Model

Model Name	Part Number
20+ U Cujo	KP414/
24 M Kids Quick	K81068
20 M Kids Quick	K81068
24 M Kids Trail	KP413/
20 M Kids Trail	N/A
20 M Kids Trail SS	Contact Hub Manufacturer
16 M Kids Trail SS	Contact Hub Manufacturer
12 M Kids Trail 1	Contact Hub Manufacturer
20 M Kids Trail FW	Contact Hub Manufacturer
16 M Kids Trail FW	Contact Hub Manufacturer
24 F Kids Quick	K81068
20 F Kids Quick	K81068
24 F Kids Trail	KP413/
20 F Kids Trail	N/A
20 F Kids Trail SS	Contact Hub Manufacturer
16 F Kids Trail SS	Contact Hub Manufacturer
12 F Kids Trail 1	Contact Hub Manufacturer
20 F Kids Trail FW	Contact Hub Manufacturer
16 F Kids Trail FW	Contact Hub Manufacturer
27.5+ M Cujo Neo 1	KP460/
27.5+ M Cujo Neo 2	KP459/
29 M Trail Neo	KP459/
27.5+ F Cujo Neo 1 Wmn	KP460/
26 M Contro-E Speed US	Contact Hub Manufacturer
26 M Contro-E Speed 2	Contact Hub Manufacturer
700 M Quick Neo US	Shimano Y-3SL 98030
700 M Quick Neo Tourer	Shimano Y-3SL 98030
700 M Quick Neo	Shimano Y-3SL 98030
700 F Quick Neo US	Shimano Y-3SL 98030
700 F Quick Neo Tourer Wmn	Shimano Y-3SL 98030
700 F Quick Neo Wmn	Shimano Y-3SL 98030
700 F Quick Neo Tourer	Shimano Y-3SL 98030
27.5 U Mavaro Neo City US	K81038
27.5 U Mavaro Neo City 1	Contact Hub Manufacturer
27.5 U Mavaro Neo City 2	Contact Hub Manufacturer
27.5 U Mavaro Neo City 3	Contact Hub Manufacturer
27.5 M Mavaro Neo 2	Contact Hub Manufacturer
27.5 M Mavaro Neo 3	Contact Hub Manufacturer
27.5+ M Moterra 2 US	K81048
27.5 M Moterra LT 1	K81048
27.5+ M Moterra 1	K81048
27.5 M Moterra LT 2	K81048
27.5+ M Moterra 2	K81048
27.5+ M Moterra 3	K81048
700 M Tesoro Neo 1	Contact Hub Manufacturer
700 F Tesoro Neo 1	Shimano
700 M Quick 4	K81058

Model Name	Part Number
700 M Quick 7	K81058
700 M Quick Disc 1	KP413/
700 M Quick Disc 3	KP413/
700 M Quick Disc 4	K81058
700 M Quick Disc 5	KP413/
700 M Quick Disc 6	K81058
700 M Quick 7	K81058
700 M Quick 8	N/A
700 F Quick Disc 1	KP413/
700 F Quick Disc 3	KP413/
700 F Quick Disc 4	K81058
700 F Quick Disc 5	KP413/
700 F Quick 6	K81058
700 F Quick Disc 7	K81058
700 F Quick 8	N/A
700 M Quick CX 2	KP413/
700 M Quick CX 3	KP413/
700 M Quick CX 4	KP413/
700 M CAAD Optimo 105	KP415/
700 M S6 EVO Crb Tgra	KP415/
27.5 F F-Si Crb 2	KP413/
27.5 M F-Si HM 1	Contact Hub Manufacturer
27.5 M F-Si Crb 2	Contact Hub Manufacturer
27.5+ M Cujo Neo 1 US	KP460/
27.5+ M Cujo Neo 2 US	KP459/
700 U Mavaro City Performance 4	Contact Hub Manufacturer
700 M Mavaro Performance 4	Contact Hub Manufacturer
27.5 M F-Si HM Team	Contact Hub Manufacturer
700 M CAAD Optimo Claris	KP413/
27.5+ M Moterra SE	K81048

KICKSTAND 2017-2018

Compatibility Table

Model Year	Model	SI Kickstand IS Brake Mount Version	SI Kickstand Rim and Flat Mount Brake Compatibility	SKU	Welded Chainstay Kickstand Plate	Chainstay Kickstand Compatibility	Rear Chainstay Pletscher (RCP) Compatibility	Complete Bike Kickstand Spec
MY17	Quick Carbon	No	No		No	No	No	
MY17	Quick CX	No	Yes	CP1607U000S	No	Yes	No	
MY17	Quick 1 - 4	No	Yes	CP1607U000S	No	Yes	No	
MY17	Quick 5 - 8	No	Yes	CP1607U000S	Yes	No	No	
MY17	Adventure	No	Yes	CP1607U000S	Yes	No	No	
MY17	Tesoro	Yes	No	2KS00/BLK	No	No	No	Si V 1
MY17	Hooligan 1	Yes	No	2KS00/BLK	Yes	NA	No	
MY17	Touring	Yes	No	2KS00/BLK	No	Yes	No	
MY17	Contro	No	No		No	No	Yes	
MY17	Bad Boy 1	No	No		bolt-on, included with small parts	NA	Yes	
MY17	Bad Boy 2	No	No		bolt-on, included with small parts	NA	No	
MY17	Bad Boy 3 and 4	No	No		yes	NA	No	
MY17	Kinneto	Yes	No	2KS00/BLK	No	NA		Si V 1
MY17	Mavaro IGH	No	No		No	NA	Yes	RCP
MY17	Mavaro RD	yes	No	2KS00/BLK	No	NA	No	Si V 1
MY17	Quick Neo	No	Yes	CP1607U000S	No	NA	No	Si V2
MY18	Trail Neo	No	No		No	NA	Yes	RCP
MY18	Contro-E Speed US	No	No		No	NA	Yes	RCP
MY18	Contro-E HS	No	No		No	NA	Yes	RCP
MY18	Quick Neo US	No	Yes	CP1607U000S	No	NA	No	Si V2
MY18	Quick Neo Tourer	No	Yes	CP1607U000S	No	NA	No	Si V2
MY18	Quick Neo	No	Yes	CP1607U000S	No	NA	No	Si V2
MY18	Quick Neo US	No	Yes	CP1607U000S	No	NA	No	Si V2
MY18	Quick Neo Tourer Wmn	No	Yes	CP1607U000S	No	NA	No	Si V2
MY18	Quick Neo Wmn	No	Yes	CP1607U000S	No	NA	No	Si V2
MY18	Mavaro Neo City 1	No	No		No	NA	Yes	RCP
MY18	Mavaro Neo City 2	No	No		No	NA	Yes	RCP
MY18	Mavaro Neo City 2 US	No	No		No	NA	Yes	RCP
MY18	Mavaro Neo City 3	No	No		No	NA	Yes	RCP
MY18	Mavaro Neo 2	No	No		No	NA	Yes	RCP
MY18	Mavaro Neo 3	No	No		No	NA	Yes	RCP
MY18	Tesoro Neo 1	No	No		No	NA	Yes	RCP

NOTES

