

2017 TECHBOOK



cannondale



CONTENTS

FRAME PLATFORM KIT LIST	1
HOLLOWGRAM SI CRANKSETS	28
CANNONDALE WHEELS	34
REAR DERAILLEUR HANGERS	40
HEADSHOK / LEFTY SERVICE	45

HEADSHOK / LEFTY KIT LIST	58
HEADSHOK / LEFTY TECHNICAL INFO	86
CSG WARRANTY PROCESS	93

KP180/

KP189/

FHCS
M4X16

BHCS
M5X16

FRAME PLATFORMS KITS

MOUNTAIN

MOTERRA / MOTERRA LT	2-3
JEKYLL 27.5	4-5
TRIGGER 27.5	6-7
HABIT/BAD HABIT	8
SCALPEL Si	9
FSI 29 CARBON	10
FSI 29 ALLOY	11
BEAST OF THE EAST	12
FAT CAAD	13

ROAD/URBAN

SUPERSIX EVO HM DISC (2017)	14
SUPERSIX EVO DISC (2017)	14
SUPERSIX EVO HM RIM (2016-2017)	15
SUPERSIX EVO RIM (2017)	15
SLICE MULTISPORT	16
SLATE	17
CAAD12	18
SYNAPSE HI-MOD/CARBON	19
SYNAPSE (ALLOY)	20
SUPER X	21
BAD BOY	22-23
TANDEM	24
CANNONDALE BOTTOM BRACKET	25

E-SERIES

CONTRO-E	26
E BIKE SPARE PARTS	27

HOLLOWGRAM SI CRANKSETS

ROAD	28-29
MOUNTAIN	30-31
FAAT CAAD	32

CANNONDALE WHEELS 34-39

REAR DERAILLEUR HANGERS

HANGER KITS	40-44
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KP182/

FHCS
M4X8

QC616/

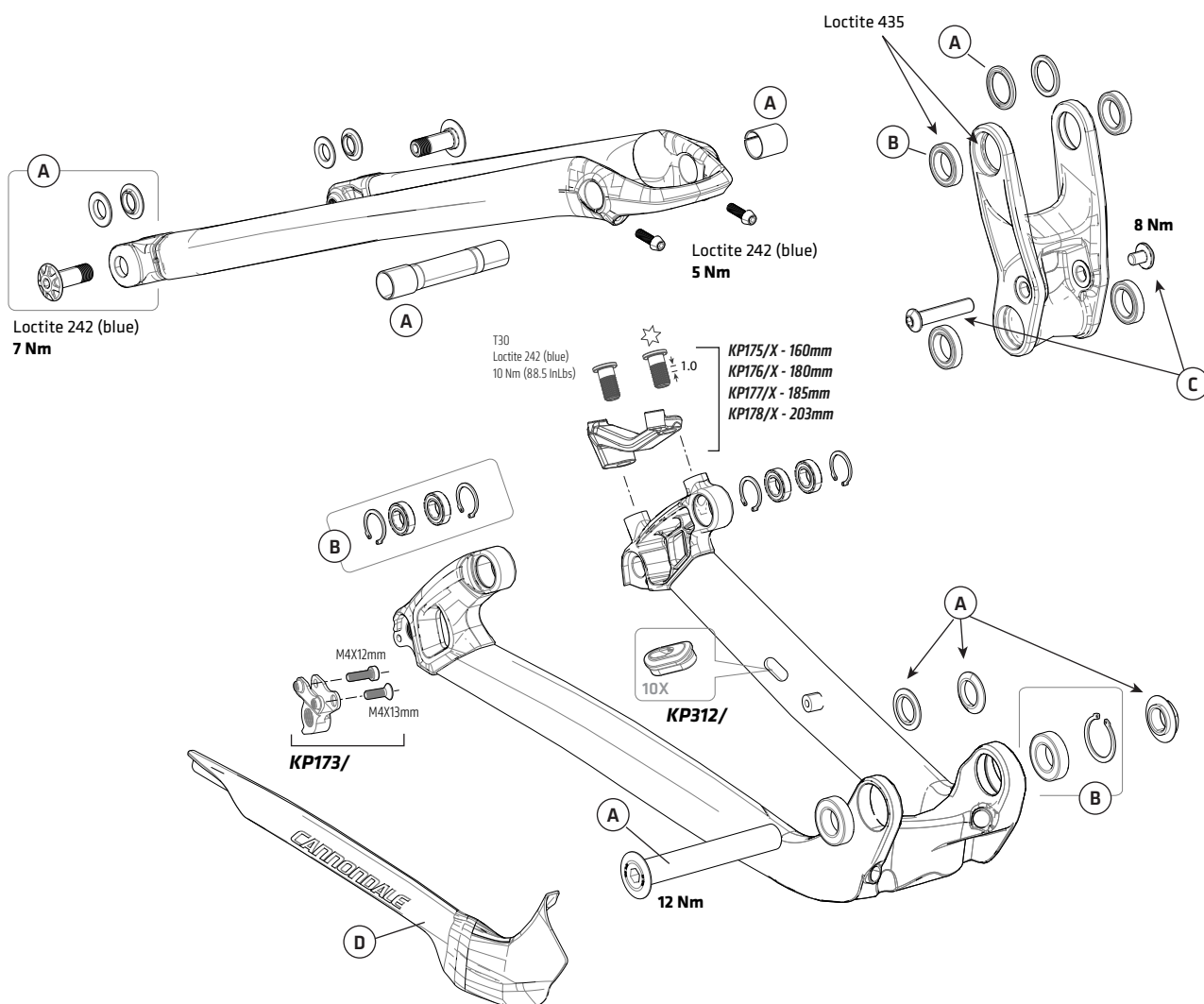
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MOTERRA / MOTERRA LT

	MOTERRA	MOTERRA LT
HEAD TUBE	Cannondale SI	
BOTTOM BRACKET	BOSCH Specific	
FRONT DERAILLEUR	S3 Direct Mount	
SEAT POST DIA./BINDER	31.6 / 35 mm	31.6 / 35 mm
MINIMUM SEAT POST INSERT	100 mm	100 mm
TIRE (SIZE/MAXIMUM WIDTH*)	27.5 x 2.8	27.5 x 2.4
MAXIMUM FORK LENGTH	541mm	556mm
INTENDED USE	ASTM CONDITION 4, All Mountain	

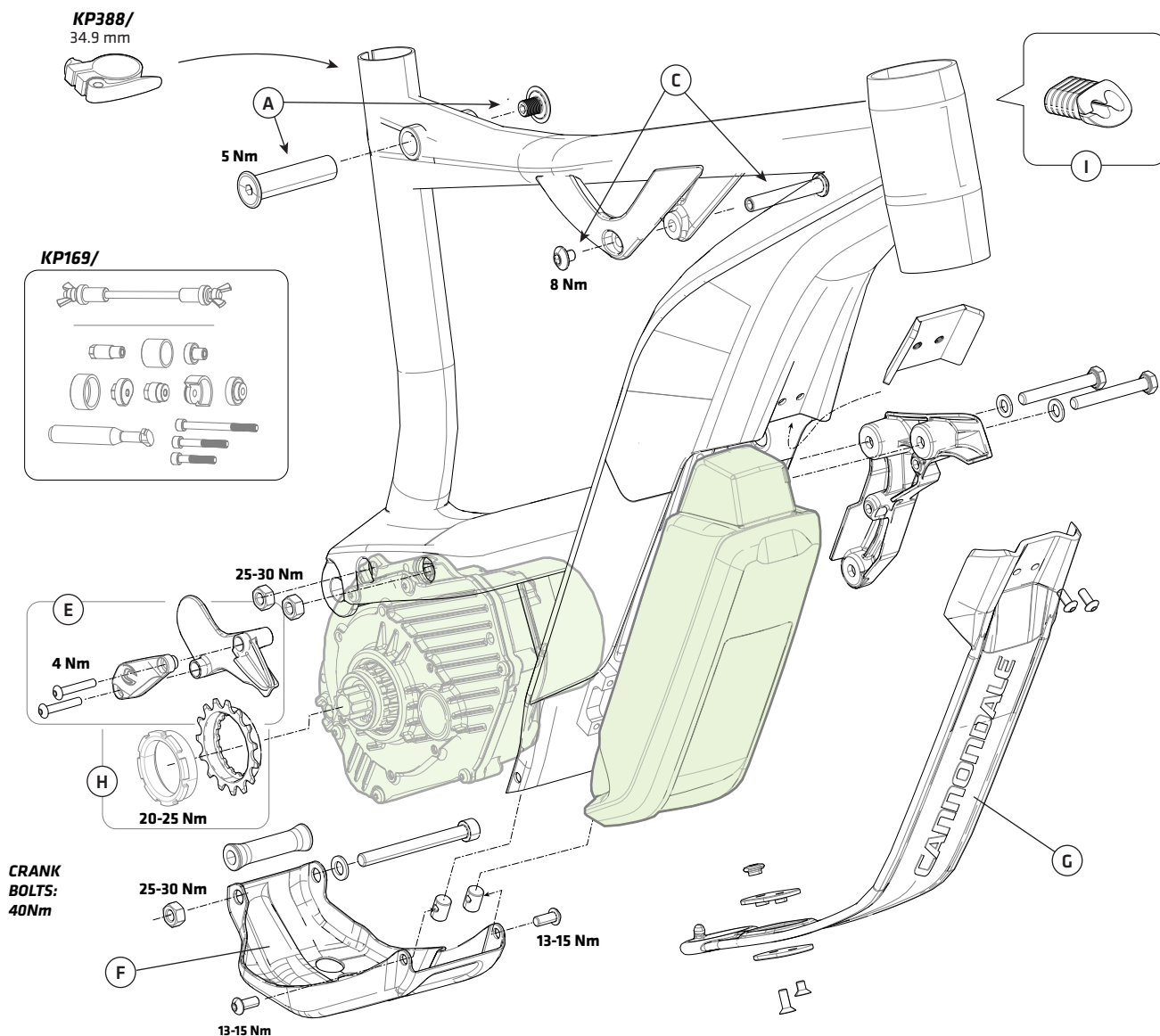
	MOTERRA	MOTERRA LT
REAR TRAVEL	130mm	160mm
SAG 30%	36 mm	36 mm
EYE-TO-EYE:	200 x 51 mm	216 x 63 mm
REAR BRAKE	Post Mount/ Adapter 180/185/203 mm	
ISCG	Cannondale Chain Guide item "E"	
REAR DROPOUT	157 x 12 mm	
Maximum Weight Limit (Lbs/ Kg)	330 lbs/150kg	
To calculate maximum load of your e-bike, please deduct bike weight from total Maximum Bike Weight (330 lbs/150kg). To find the bike weight, please see CE Sticker on you bike or contact your local Cannondale Dealer.		



CODE	DESCRIPTION	ITEM
CK3067U100S	LINK HARDWARE MOTERRA BLK	(A)
CK3047U000S	PIVOT BEARING KIT MOTERRA	(B)
CK3057M000S	SHOCK MOUNTING BOLTS MOTERRA	(C)
CK3037U100S	CHAINSTAY PROTECTOR MOTERRA BLK	(D)
CK2047U000S	MOTERRA SPROCKET AND LOCK-RING	(H)

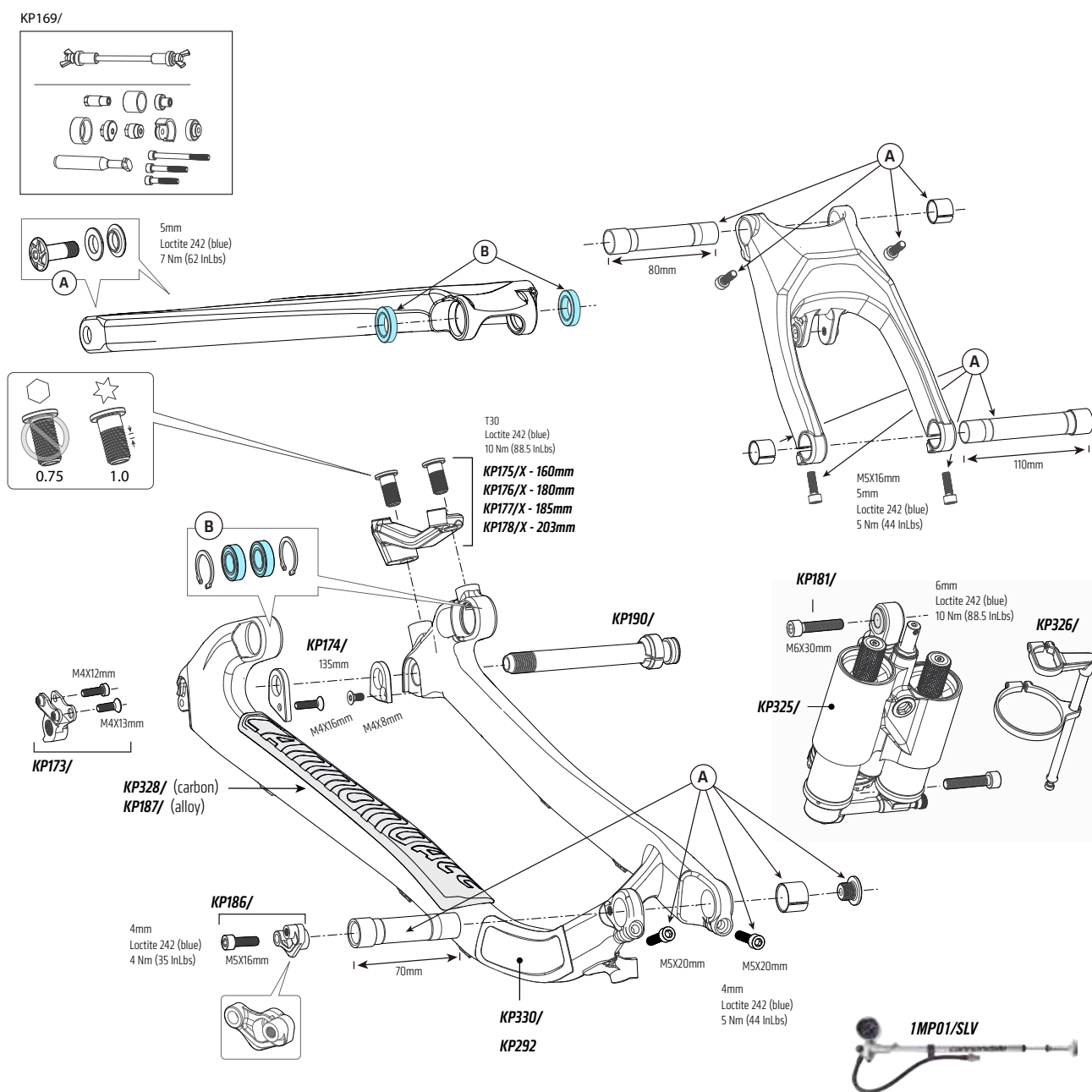
CODE	DESCRIPTION
KP173/	KIT, DER. HANGER; SI12
KP312/	KIT GROMMET 10X
KP169/	KIT, TOOL, JEKYLL PIVOT
KP175/X	KIT, ADAPTER, SI12 PM/160
KP176/X	KIT, ADAPTER, SI12 PM/180
KP177/X	KIT, ADAPTER, SI12 PM/185
KP178/X	KIT, ADAPTER, SI12 PM/203

MOTERRA / MOTERRA LT



CODE	DESCRIPTION	ITEM
CK2017U100S	CHAIN GUIDE MOTERRA BLK	(E)
CK3017U100S	SKID PLATE MOTERRA BLK	(F)
CK3027U000S	PLUG/ GROMMET KIT MOTERRA	(I)
CK3277U000S	MOTERRA BAT STRAP (BLACK)	(G)
KP058/	KIT HEADSET INT HEADSHOK 11/8	
CK2047U000S	MOTERRA SPROCKET AND LOCK-RING	(H)

JEKYLL 27.5 (CARBON/ALLOY)



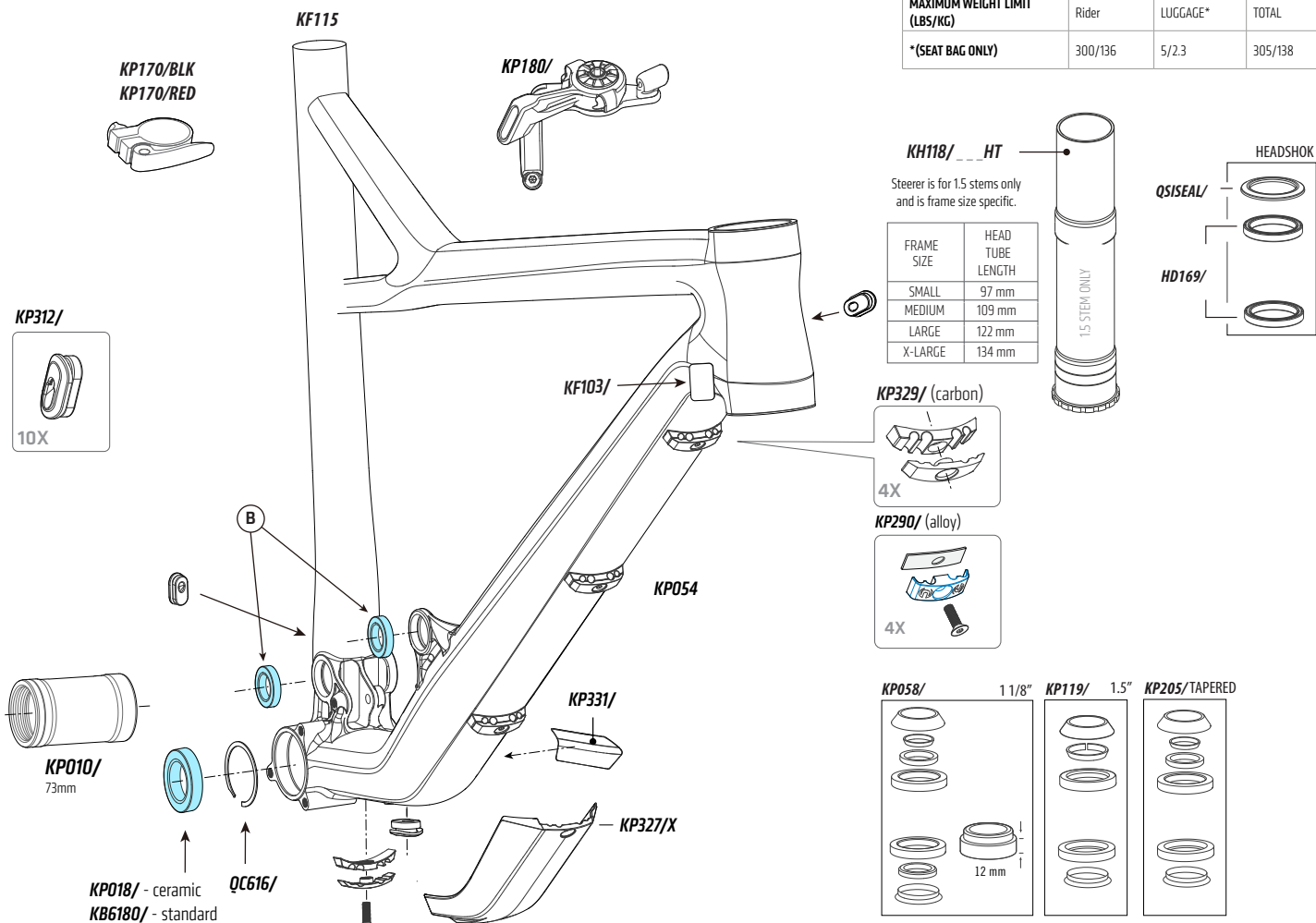
CODE	DESCRIPTION	CRB	ALLOY
KP173/	KIT, DER. HANGER; S12	X	X
KP174/	KIT, SPACER, S12, 142 TO 135MM	X	X
KP175/X	KIT, ADAPTER, S12 PM/160 Thread Pitch	X	X
KP176/X	KIT, ADAPTER, S12 PM/180 Thread Pitch	X	X
KP177/X	KIT, ADAPTER, S12 PM/185 Thread Pitch	X	X
KP178/X	KIT, ADAPTER, S12 PM/203 Thread Pitch	X	X
KP190/	KIT, AXLE, SYNTACE, X12, 142X12MM	X	X
A KP184/BLK KP184/RED	KIT, LINK, HWARE, JEKYLL BEARINGS SOLD SEPERATELY	X	X
B KP185/	KIT, BEARINGS, PIVOT, JEKYLL/TRIGGER W/CIR-CLIPS	X	X

CODE	DESCRIPTION	CRB	ALLOY
KP187/	KIT, CH.STAY PROTECT-JEKYLL		X
KP328/	KIT, GUARD, C-STAY JEKYLL CARBON	X	
KP330/	KIT, CHAIN SUCK PROTECT JEKYLL 27.5	X	
KP292	KIT, GUARD, C-STAY JEKYLL ALLOY		X
KP181/	KIT, SHOCK MOUNT HWARE, JEKYLL	X	X
KP325/	KIT, SHOCK, JEKYLL DYAD RT2 650B	X	X
KP326/	KIT, SAG INDICATOR, JEKYLL VS2	X	X
1MP01/SLV	KIT, PUMP, HP DYAD RT2	X	X
KP186/	KIT, SPACER, F.DER, JEKYLL	X	X

JEKYLL 27.5 (CARBON/ALLOY)

REAR TRAVEL	Flow - 95mm, Elevate - 160mm
HEAD TUBE	Cannondale SI
CHAINLINE	50
ISCG	ISCG 03
BB SHELL WIDTH	BB30 73MM
Seat post Diameter	31.6mm
Front Derailleur	S3 Direct Mount, bottom pull

Dropout Spacing	142mm (convertible to 135mm)		
Rear Brake	Post mount Adapters - 160/180/185/203		
INTENDED USE	ASTM CONDITION 4, ALL MOUNTAIN, OVERMOUNTAIN		
MAXIMUM TIRE WIDTH	27.5 X 2.5		
MAXIMUM FORK LENGTH	545mm		
MINIMUM SEAT POST INSERT	100mm		
MAXIMUM WEIGHT LIMIT (LBS/KG)	Rider	LUGGAGE*	TOTAL
* (SEAT BAG ONLY)	300/136	5/2.3	305/138



CODE	DESCRIPTION	CRB	ALLOY
KP170/BLK	KIT, SEATBINDER, MTN QR, 34.9, BLK		
KP170/RED	KIT, SEATBINDER, MTN QR, 34.9, RED	X	X
KP170/GRN	KIT, SEATBINDER, MTN QR, 34.9, GRN		
KF115/	KIT, GEL, DYNAMIC, CARBN	X	X
KP180/	KIT, LEVER, TRAVEL ADJUS	X	X

KP329/	KIT, BB CABLEGUIDE, F+R, JEKYLL (CRB ONLY)	X	
KP290/	KIT GUIDE HOUSING BOLT (4x)	X	
KP312/	KIT GROMMETS (10x)	X	
KP054/	KIT, GUARD, SCUFFGUARD, DOWNTUBE	X	X
KP331/	KIT, DYAD HOUSING PROTECT JEKYLL 27.5	X	
KF103/	KIT, GUARD, SCUFFGUARD-8PK	X	X

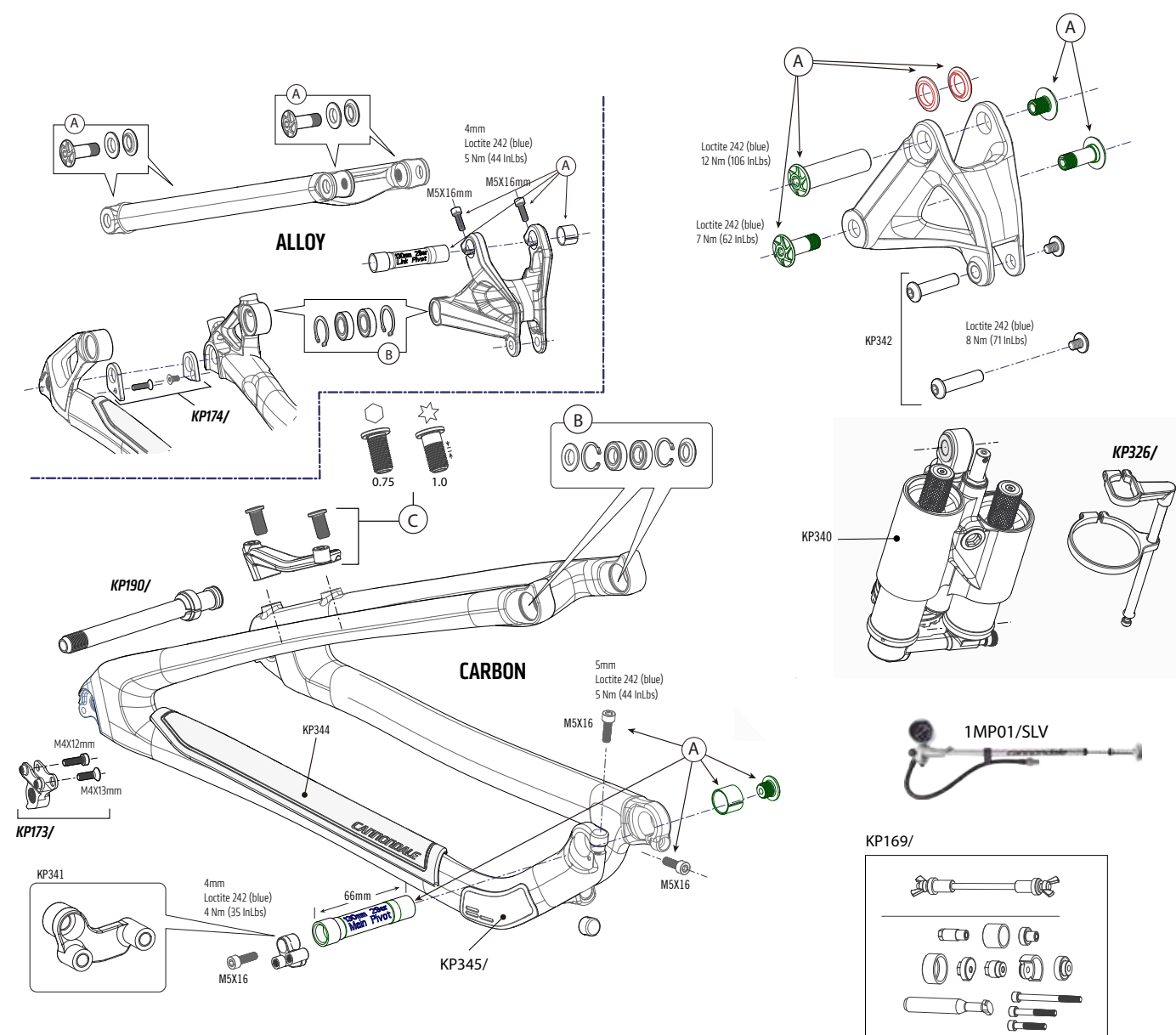
KP327/SM	KIT, GUARD, D-TUBE, JEKYLL CARBON S	X	
KP327/MD	KIT, GUARD, D-TUBE, JEKYLL CARBON M	X	
KP327/LG	KIT, GUARD, D-TUBE, JEKYLL CARBON L	X	
KP327/XL	KIT, GUARD, D-TUBE, JEKYLL CARBON XL	X	

CODE	DESCRIPTION	CRB	ALLOY
QSISEAL/	KIT, SEAL, UPPER BEARING, 58MM OD	X	X
HD169/	KIT, BEARINGS, HEADSET- 2	X	X
KP058/	KIT, HEADSET, INT HEADSHOK TO 1 1/8"	X	X
KP119/	KIT, HEADSET, INT H-SHOK TO 1.5	X	X
KP205/	KIT, HEADSET, INT H-SHOK TO TAPERED	X	X

KP018/	KIT, BEARING, BB-SI, CERAMIC, 2PCS	X	X
KB6180/	KIT, BEARING, BB-SI, 2PCS	X	X
QCG16/	KIT, CIRCLIPS (2) BB-SI	X	X
KP010/	KIT, ADAPTER, SIBB TO 73MM BSA	X	X

KF368/	KIT, TOOL, SIBB/73 ADP. INSTALL	X	X
KF366/	KIT, TOOL, SIBB ADAPTER EXTRACT	X	X
KP169/	KIT, TOOL, JEKYLL PIVOT	X	X

TRIGGER 27.5 (CARBON/ALLOY)

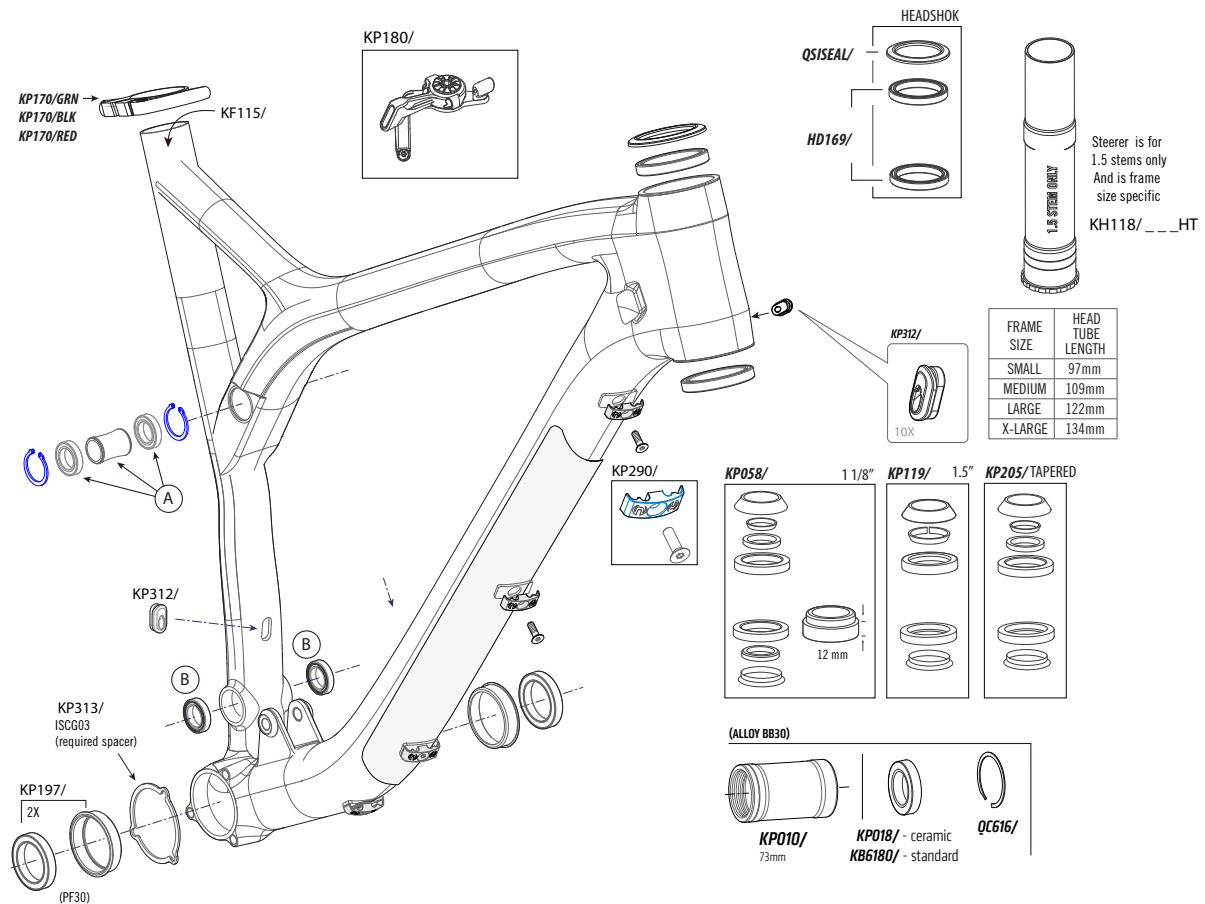


CODE	DESCRIPTION	27.5	
		CRB	ALLOY
KP173/	KIT, DER. HANGER; SI12	X	X
KP174/	KIT, SPACER, SI12, 142 TO 135MM	X	X
KP190/	KIT, AXLE, SYNTACE, X12, 142X12MM	X	X
A	KP288/02/BLK KIT, LINK, HWARE, TRIGGER29 CRB, NEED KP289/	X	
	KP288/BLK KIT, LINK, HWARE, TRIGGER29 NEED KP289/		
	KP343/ KIT, LINK, HWARE, TRIGGER 650B NEED KP289/		X
B	KP289/ KIT, BEARINGS, PIVOT, TRIGGER29 W/CIR-CLIPS	X	X
C	KP175/X KIT, ADAPTER, SI12 PM/160 1.0	X	X
	KP176/X KIT, ADAPTER, SI12 PM/180 1.0	X	X
	KP177/X KIT, ADAPTER, SI12 PM/185 1.0	X	X
	KP178/X KIT, ADAPTER, SI12 PM/203 1.0	X	X

CODE	DESCRIPTION	27.5	
		CRB	ALLOY
KP340/	KIT SHOCK TRIGGER DYAD RT2 27.5	X	X
KP342/	KIT SHOCK MOUNT HWARE TRIG 27.5 Alloy		X
KP341/	KIT SPACER F.DER TRIGGER 27.5	X	X
KP345/	KIT CHAINSUCK C-STAY PROTECT TRIG 27.5	X	
KP344/	KIT, GUARD, C-STAY TRIG CARBON 27.5	X	
		X	
1MP01/SLV	KIT, PUMP, HP DYAD RT2	X	X
KP169/	KIT, TOOL, Jekyll PIVOT	X	X

TRIGGER 27.5 (CARBON/ALLOY)

REAR TRAVEL	Flow - 85mm, Elevate - 140mm		
HEAD TUBE	Cannondale SI		
CHAINLINE	50		
ISCG	ISCG 03		
BB SHELL WIDTH	CRB PF30 (46 ID) - 73MM / ALLOY BB30 - 73MM		
SEAT POST DIAMETER	31.6mm		
FRONT DERAILLEUR	S3 Direct Mount, bottom pull		
DROPOUT SPACING	142mm (convertible to 135mm)		
REAR BRAKE	Post mount Adapters - 160/180/185/203		
INTENDED USE	ASTM CONDITION 4, ALL MOUNTAIN, OVERMOUNTAIN		
MAXIMUM TIRE WIDTH	27.5 X 2.5		
MAXIMUM FORK LENGTH	545mm		
MINIMUM SEAT POST INSERT	100mm		
MAXIMUM WEIGHT LIMIT (LBS/KG)	Rider	LUGGAGE*	TOTAL
*(SEAT BAG ONLY)	300/136	5/2.3	305/138



CODE	DESCRIPTION	27.5		CODE	DESCRIPTION	27.5	
		CRB	ALLOY			CRB	ALLOY
KF115/	KIT,GEL,DYNAMIC,CARBON	X	X	KF103/	KIT,GUARD,SCUFFGUARD-8PK	X	X
KP170/BLK	KIT,SEATBINDER,MTN QR,34.9,BLK	X		KP329/	KIT,BB CABLEGUIDE,F+R,JEKYLL (CRB ONLY)	X	
KP170/GRN	KIT,SEATBINDER,MTN QR,34.9,GRN	X	X	KP312/	KIT GROMMET 10X	X	
KP170/RED	KIT,SEATBINDER,MTN QR,34.9,RED	X		KH118/097HT	KIT,STEER,SUPERMAX, 1.5"	X	X
KP197/SRM	KIT,BEARING,BB- PF30	X		KH118/109HT	KIT,STEER,SUPERMAX, 1.5"	X	X
KP329/	KIT,BB CABLEGUIDE,F+R,JEKYLL (CRB ONLY)	X		KH118/122HT	KIT,STEER,SUPERMAX, 1.5"	X	X
KP313/	KIT,ISCG SPACER,PF30	X		KH118/134HT	KIT,STEER,SUPERMAX, 1.5"	X	X
KP018/	KIT,BEARING,BB-SI,CERAMIC,2PCS		X	QSISEAL/	KIT,SEAL,UPPER BEARING,58MM OD	X	X
KB6180/	KIT,BEARING,BB-SI,2PCS		X	HD169/	KIT,BEARINGS, HEADSET- 2	X	X
QC616/	KIT,CIRCLIPS (2) BB-SI		X	KP058/	KIT,HEADSET,INT HEADSHOK TO 1 1/8"	X	X
KP010/	KIT,ADAPTER,SIBB TO 73MM TAP		X	KP119/	KIT,HEADSET,INT H-SHOK TO 1.5	X	X
KF368/	KIT,TOOL,SIBB/73 ADP,INSTALL		X	KP205/	KIT,HEADSET,INT H-SHOK TO TAPERED	X	X
KF366/	KIT,TOOL,SIBB ADAPTER EXTRACT		X	KP331/	KIT,DYAD HOUSING PROTECT JEKYLL 27.5	X	

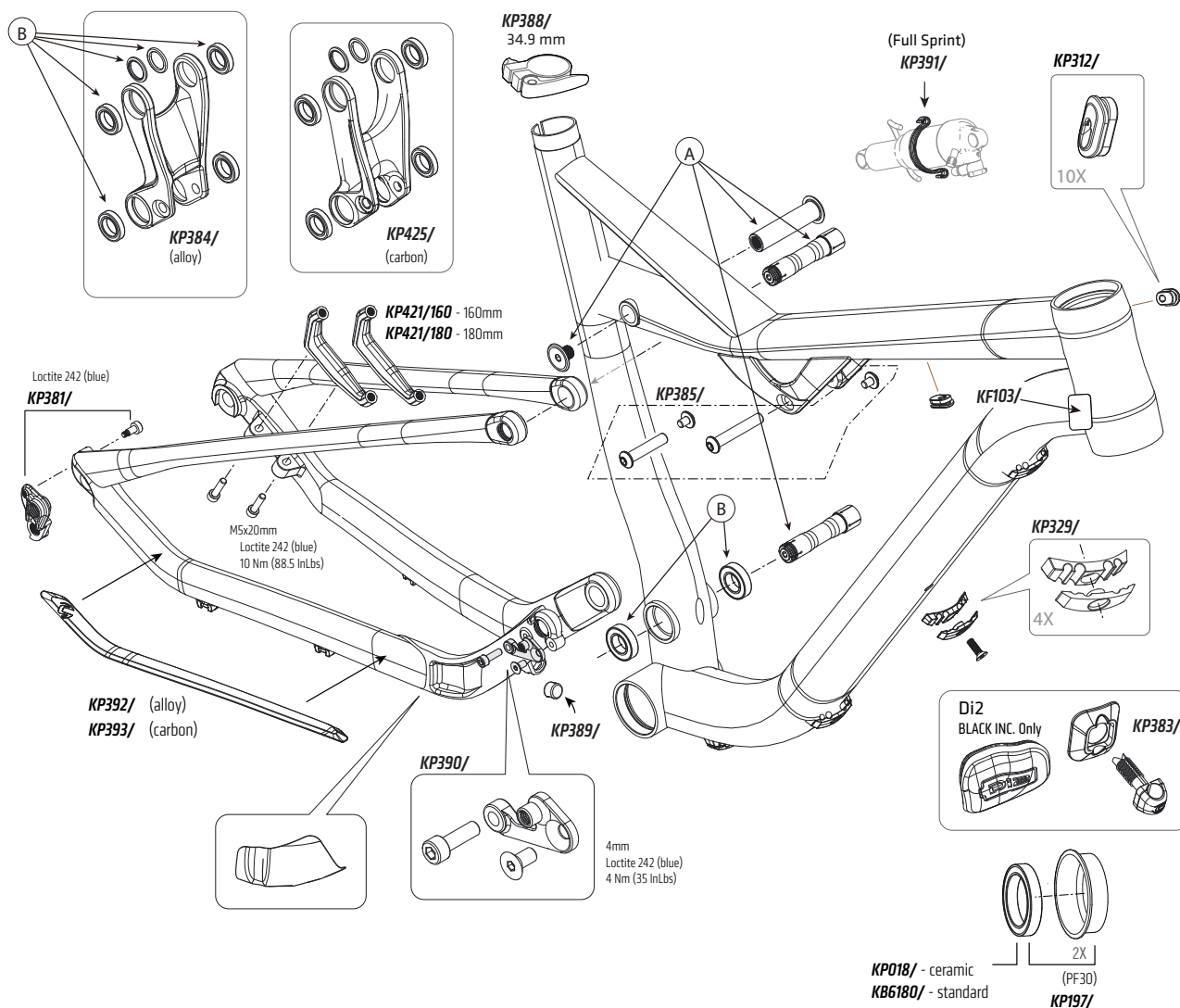
HABIT (CARBON/ALLOY)

BAD HABIT (ALLOY)

SAG	30% (36mm)
EYE-TO-EYE	184mm (7.25")
STROKE	44.5mm (1.75")
REDUCERS	F = 37.59mm (1.480") x 8mm R = 30mm (1.180") x 8mm

REAR TRAVEL	120mm
HEADTUBE	Cannondale SI
BOTTOM BRACKET	Alloy BB30, Carbon PF30
FRONT DERAILLEUR	S3 Direct Mount
SEAT POST DIA./BINDER	31.6/34.9mm
MAX TIRE	Bad Habit 27.5x3.0in Habit 27.5 x 2.35in
MAX FORK	525MM

ISCG	N/A		
REAR BRAKE	Flat mount 20mm Bolt		
REAR DROPOUT	142x12 Maxle		
MIN. SP INSERT	100 mm		
INTENDED USE	ASTM CONDITION 3, CROSS-COUNTRY, MARATHON		
MAXIMUM WEIGHT LIMIT (LBS/KG)	RIDER	LUGGAGE*	TOTAL
*(SEAT BAG ONLY)	300/136	5/2.3	305/138



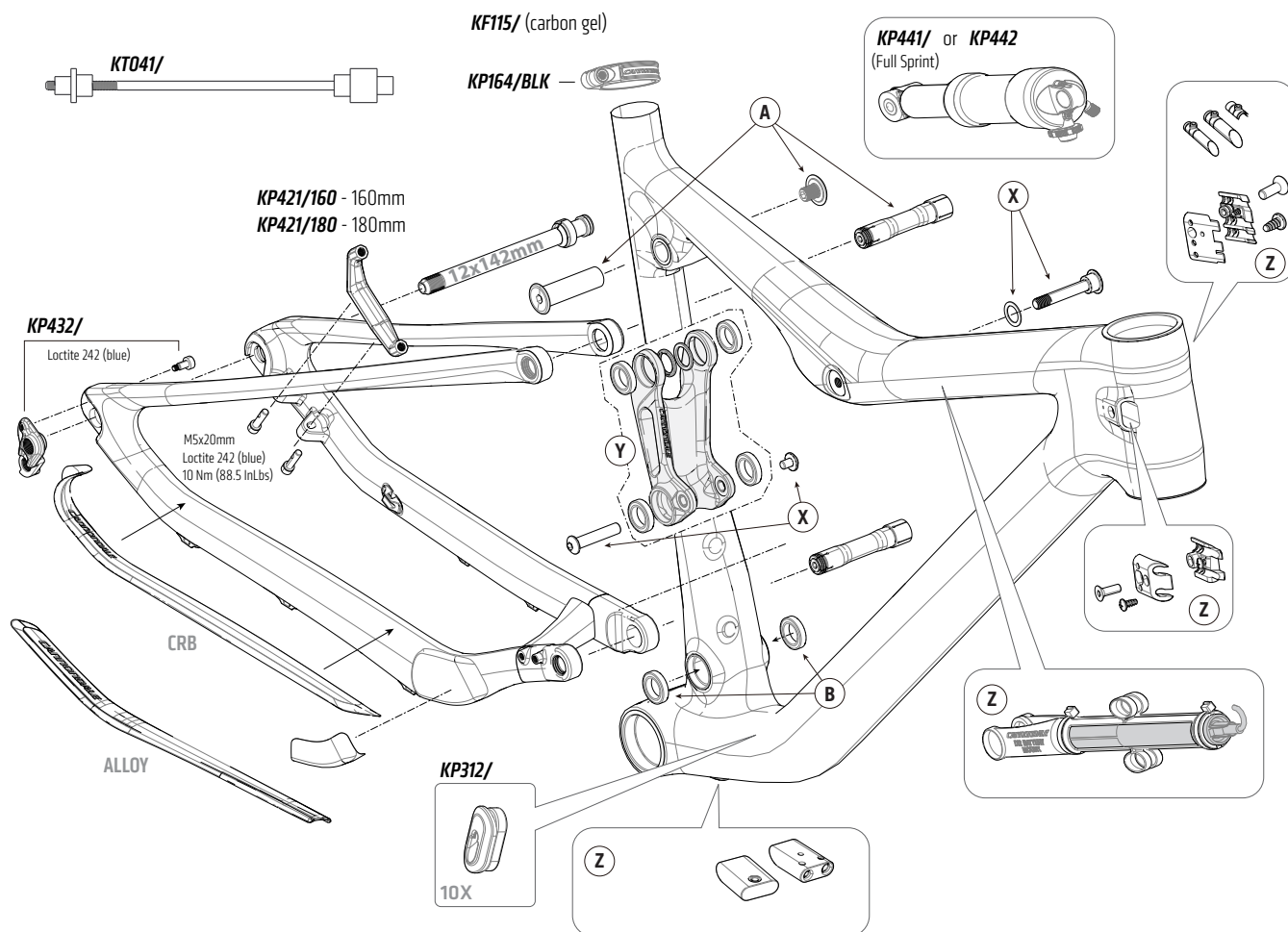
CODE	DESCRIPTION	CRB	ALLOY
KP381/	KIT, DER HANGER, HABIT, MAXLE	X	X
KP329/	KIT, CABLE GUIDE, MECHANICAL	X	X
KP383/	KIT, CABLE GUIDE, DI2	X	
KP384/	KIT, LINK, HABIT, W/ BEARING SM/XL		X
KP425/	KIT, LINK HABIT, CARBON W/BEARING	X	
KP385/	KIT, HWARE, SHOCK MOUNT, HABIT	X	X
Ⓐ KP387/	KIT, LINK, HWARE HABIT		
Ⓑ KP386/	KIT, BEARINGS, PIVOT, HABIT	X	X
KP388/	KIT, SEATBINDER, MOUNTAIN, 34.9	X	X
KP389/	KIT, FT DER, SWIVEL STOP	X	X
KP390/	KIT, MOUNT, FT DER, HABIT	X	X
KP391/	KIT, CABLE CLIP, FULL SPRINT HABIT	X	X

CODE	DESCRIPTION	CRB	ALLOY
KP392/	KIT, CH. STAY PROTECTOR HABIT ALLOY		X
KP393/	KIT, CH. STAY PROTECTOR HABIT CARBON	X	
HD169/	KIT BEARINGS HEADSET 2	X	X
QSI SEAL/	KIT, SEAL, UPPER BEARING, 58mm OD	X	X
KF115/	KIT GEL DYNAMIC CARBN SEATPOST	X	X
KP197/	KIT BEARING BB-PRESSFIT 30	X	X
KB6180/	KIT BEARING BB SI 2PCS	X	X
KP421/160	KIT, BRAKE MOUNT, FLAT, 160MM	X	X
KP421/180	KIT, BRAKE MOUNT, FLAT, 180MM	X	X
KF103/	KIT GUARD SCUFFGUARD 8PK	X	X

SCALPEL SI (CARBON/ALLOY)

	CRB	ALLOY
HEAD TUBE	Cannondale SI	
BOTTOM BRACKET	PF30/83mm	BB30/83mm
FRONT DERAILLEUR	S3 Direct Mount, Side swing	
SEAT POST DIA./BINDER	31.6 / 34.9 mm	
MINIMUM SEAT POST INSERT	120 mm	120 mm
TIRE (SIZE/MAXIMUM WIDTH*)	SCALPEL SI 27.5: 27.5 x 2.30 in, SCALPEL SI 29: 29 x 2.30 in	
MAXIMUM FORK LENGTH	SCALPEL SI 27.5: 487 mm, SCALPEL SI 29: 500 mm	
INTENDED USE	ASTM CONDITION 3, Cross-Country, Marathon, Hardtails.	

	CRB	ALLOY
REAR TRAVEL	100 mm	
SAG 25%	12 mm	BB30/83
EYE-TO-EYE:	190 mm	
STROKE:	45 mm	
REDUCERS:	30 mm (1.180") x 8 mm	
REAR BRAKE	Flat mount, 20mm Bolt	
REAR DROPOUT	142 x 12 mm, Maxle	
Maximum Weight Limit (Lbs/Kg) *(Seat Bag Only)	Rider 300 / 136	Luggage* 5 / 2.3 Total 305 / 138

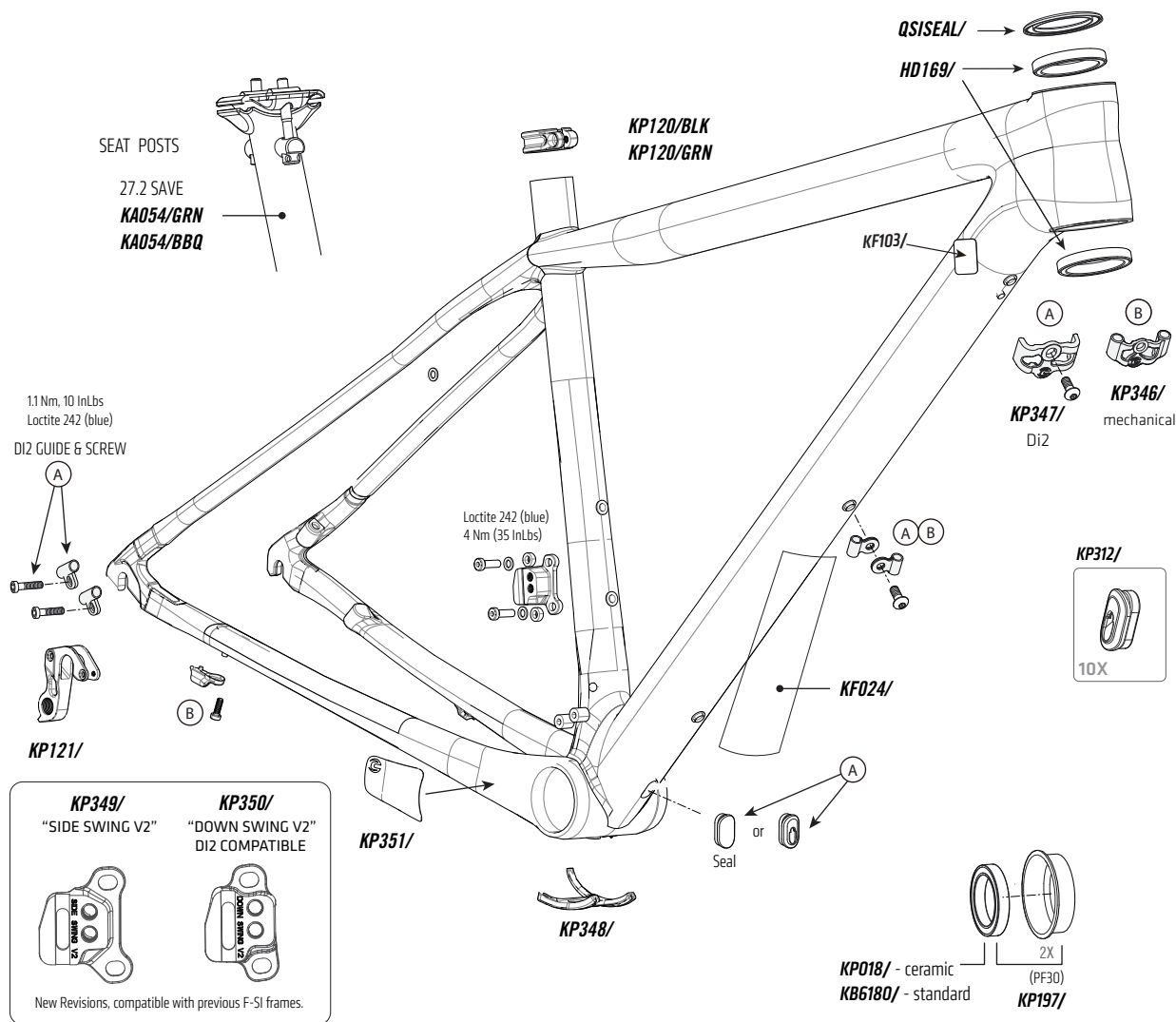


	CODE	DESCRIPTION	CRB	ALLOY
	KP432/	KIT, HANGER, SCALPEL SI, 142	X	X
	KP436/	KIT, CABLE GUIDES MECH, SCALPEL SI	X	
	KP437/29	KIT, LINK, CARBON, 29, SCALPEL SI	X	X
	KP437/27	KIT, LINK, CARBON, 27, SCALPEL SI	X	X
(Z)	KP439/	KIT, CABLE GUIDES, DI2, SCALPEL SI	X	
	KT041/	KIT, TOOL AI TRUING WHEEL AXLE	X	
(X)	KP433/	KIT, SHOCK BOLTS, SCALPEL SI	X	X
	KP441/	KIT, REAR SHOCK, SCALPEL SI, MONARCH FS (Full Sprint version)	X	X
	KP442/	REAR SHK, SCALPEL SI, MONARCH	X	X
	KP443/	KIT, CSTAY PROTECT, SCALPEL SI CRB	X	
	KP444/	KIT, CSTAY PROTECT, SCALPEL SI AI		X
	KP164/BLK	KIT, SEATBINDER, 31.6		
	KF115/	GEL, DYNAMIC, CARBON SEATPOST	X	X

	CODE	DESCRIPTION	CRB	ALLOY
(A)	KP435/	KIT, LINK, HARDWARE, SCALPEL SI	X	X
(B)	KP434/	KIT, BEARINGS, PIVOT, SCALPEL SI	X	X
	HD169/	KIT BEARINGS HEADSET 2 HSHOK	X	X
	QSI SEAL/	KIT, SEAL, UPPER BEARING, 58mm OD	X	X
	KP119/	KIT HEADSET INT HSHOK TO 1.5"	X	X
	KP058/	KIT HEADSET INT HEADSHOK 1 1/8	X	X
	KP205/	KIT HEADSET INT H SHOK TO TAPER	X	X
	KF115/	KIT GEL DYNAMIC CARBN SEATPOST	X	X
	KP197/	KIT BEARING BB-PRESSFIT 30	X	X
	KB6180/	KIT BEARING BB SI 2PCS	X	X
	KP421/160	KIT, BRAKE MOUNT, FLAT, 160MM	X	X
	KP421/180	KIT, BRAKE MOUNT, FLAT, 180MM	X	X
	KF103/	KIT GUARD SCUFFGUARD 8PK	X	X

F-SI 29 CARBON

HEAD TUBE	Cannondale SI		
CHAINLINE	55		
ISCG	NA		
BB SHELL WIDTH	PF30 (46 ID) - 83mm		
SEAT POST DIAMETER	27.2MM		
FRONT DERAILLEUR	Direct Mount, bottom Pull		
DROPOUT SPACING	135mm		
REAR BRAKE	Post mount 160mm		
INTENDED USE	ASTM Condition 3, Cross-Country, Marathon		
MAXIMUM TIRE WIDTH	29 X 2.25		
MAXIMUM FORK LENGTH	500mm		
MINIMUM SEAT POST INSERT	100mm		
MAXIMUM WEIGHT LIMIT	Rider	LUGGAGE*	TOTAL
*(SEAT BAG ONLY)	300/136	5/2.3	305/138



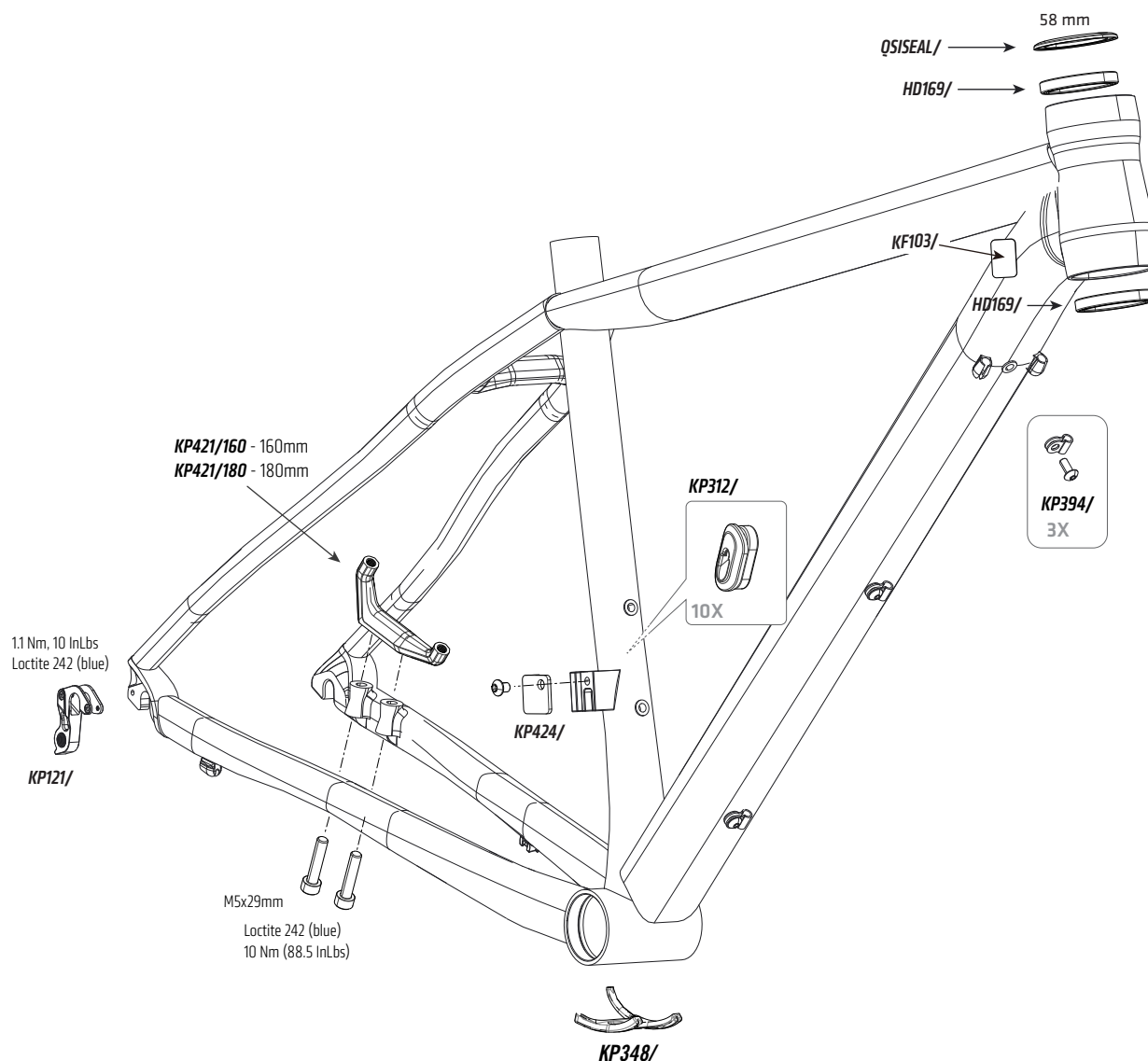
CODE	DESCRIPTION
KP121/	KIT DER HANGER FLASH CRB
KP120/BLK	KIT SEATBINDER FLASH CRB/BLK
KP120/GRN	KIT SEATBINDER FLASH CRB/GRN
KP346/	KIT ROUTING FSI 29ER CRB MECH SHIFTING
KP347/	KIT ROUTING FSI 29ER CRB DI2
KP348/	KIT BB CABLEGUIDE FSI 29ER CRB
KP349/	KIT FD MOUNT FSI 29ER CRB SIDE SWING
KP350/	KIT FD MOUNT FSI 29ER CRB DOWN SWING
KF024/	KIT C STAY PROTCTR NEOPRN SM
KF103/	KIT GUARD SCUFFGUARD 8PK
KP351/	KIT C-STAY PLATE PROTECT FSI 29ER CRB
KP054/	KIT GUARD SCUFFGUARD DOWNTUBE

CODE	DESCRIPTION
QSI SEAL/	KIT SEAL UPPER BEARING 58MM OD
HD169/	KIT BEARINGS HEADSET 2
KP058/	KIT HEADSET INT HEADSHOK 11/8
KP119/	KIT HEADSET INT H SHOK TO 1 5
KP205/	KIT HEADSET INT H SHOK TO TAPE
KA054/GRN	KIT SEATPOST SAVE F-Si 29 MY15 GRN
KA054/BBQ	KIT SEATPOST SAVE F-Si 29 MY15 BBQ
KP018/	KIT, BEARING, BB-SI, CERAMIC, 2PCS
KB6180/	KIT, BEARING, BB-SI, 2PCS
KP352/	KIT SPIDER SI MTN SRAM 64/104 4BOLT AI
KP354/	KIT SPIDER-SI MTN XX1 AI
KP312/	KIT GROMMET 10X

F-Si 29 (ALLOY)

HEAD TUBE	Cannondale Si
ISCG	N/A
BB SHELL, WIDTH	BB30/BSA, 73mm
SEAT POST DIAMETER	27.2mm
FRONT DERAILLEUR	High Direct Mount (HDM)
DROPOUT SPACING	135mm
REAR BRAKE	Flat Mount, 29mm bolt

INTENDED USE	ASTM CONDITION 3, CROSS-COUNTRY, MARATHON		
MAXIMUM TIRE WIDTH	29 X 2.25		
MAXIMUM FORK LENGTH	500mm		
MINIMUM SEAT POST INSERT	100mm		
MAXIMUM WEIGHT LIMIT (LBS/KG) *(SEAT BAG ONLY)	RIDER	LUGGAGE*	TOTAL
	300/136	5/2.3	305/138

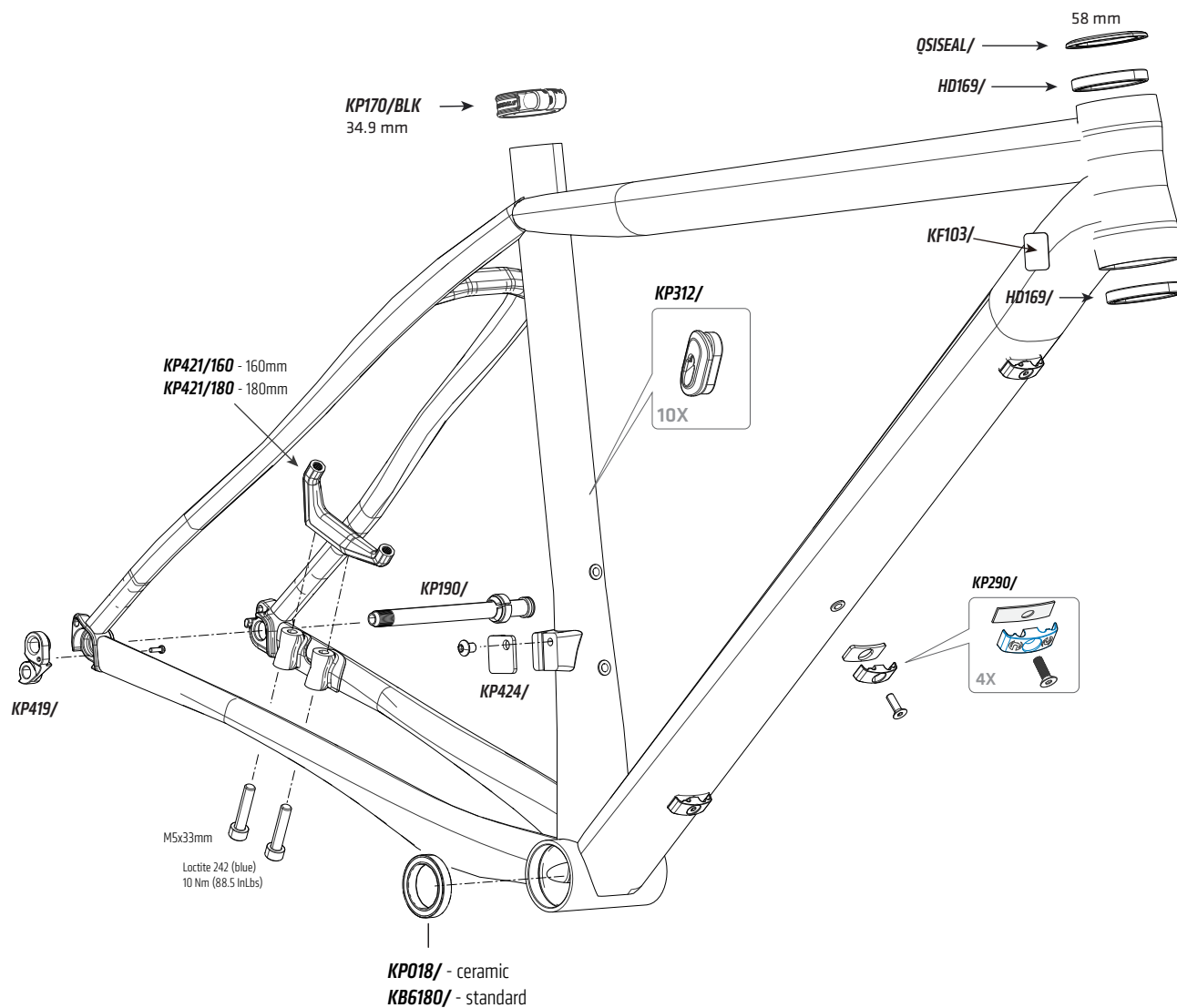


CODE	DESCRIPTION
KB6180/	KIT BEARING BB SI 2PCS
KP421/160	KIT, BRAKE MOUNT, FLAT, 160MM
KP421/180	KIT, BRAKE MOUNT, FLAT, 180MM
KP121/	KIT DER HANGER FLASH CRB

CODE	DESCRIPTION
KP348/	KIT BB CABLEGUIDE FSI 29ER CRB
HD169/	KIT BEARINGS HEADSET 2
QSISEAL/	KIT SEAL UPPER BEARING 58MM OD
KP394/	KIT, CABLE GUIDE, F-Si ALLOY
KP058/	KIT HEADSET INT HEADSHOK 11/8
KP119/	KIT HEADSET INT H SHOK TO 15
KP205/	KIT HEADSET INT H SHOK TO TAPE
KF103/	KIT GUARD SCUFFGUARD 8PK

BEAST OF THE EAST

REAR TRAVEL	N/A
HEAD TUBE	Cannondale Si
BOTTOM BRACKET	BB30/68mm/Al Offset
FRONT DERAILLEUR	N/A
SEAT POST DIA./ BINDER	31.6mm/34.9mm
MAX. TIRE	27.5x3.0
MAX. FORK	CALL
ISCG	N/A
REAR BRAKE	Flat Mount 33mm bolt
REAR DROPOUT	142x12 Syntace x12
MIN. SEAT POST INSERT	100mm

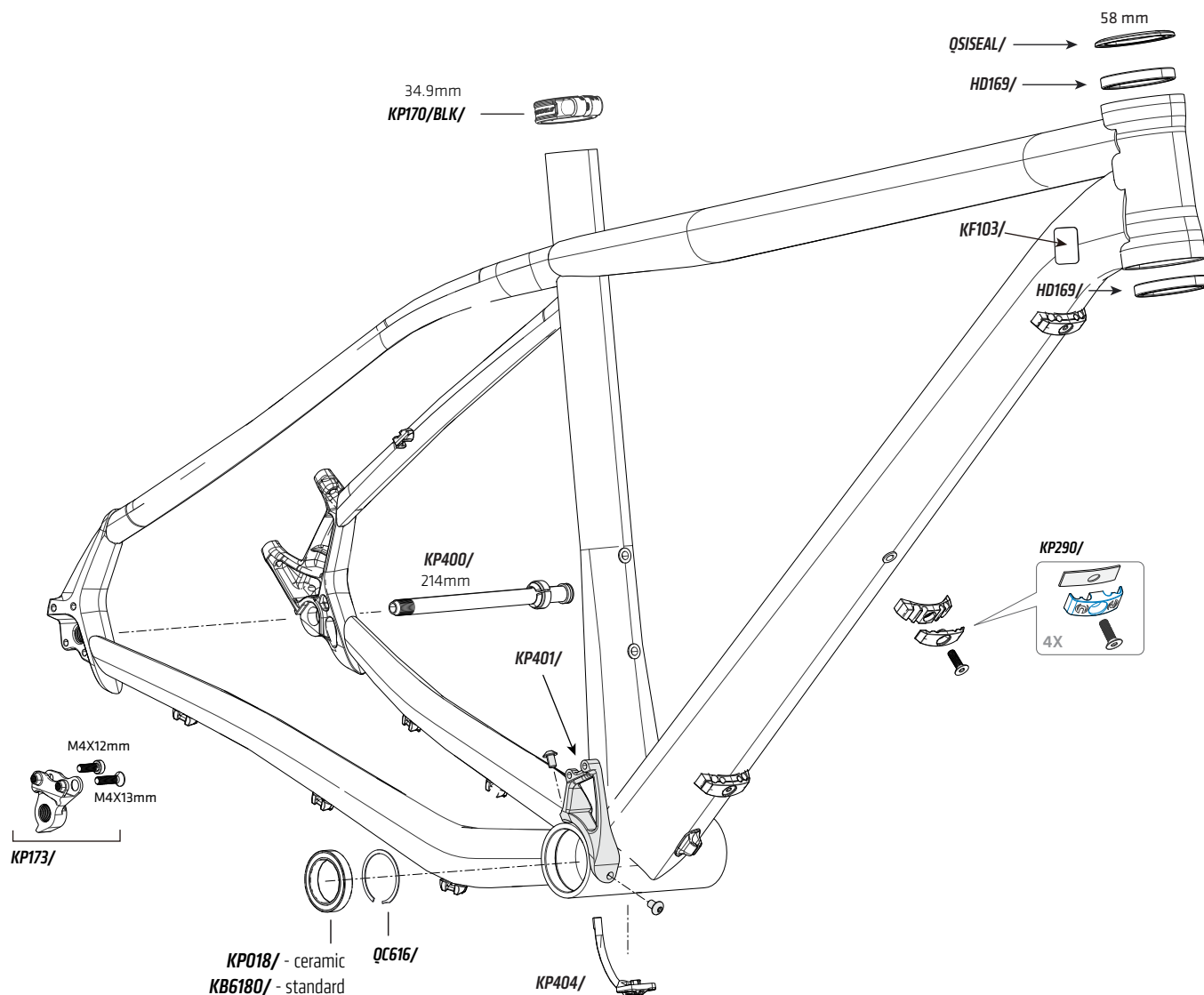


CODE	DESCRIPTION
KP419/	KIT, DER HANGER, SLATE/BOE, X12
KP290/	KIT GUIDE HOUSING BOLT (4x)
HD169/	KIT BEARINGS HEADSET 2
QSI SEAL/	KIT, SEAL, UPPER BEARING, 58mm OD
KP190/	KIT AXLE SYNTACE X12 142X12MM

CODE	DESCRIPTION
KP170/BLK	KIT SEATBINDER MTN QR 34 9 BLK
KP424/	KIT, DERAILLEUR MOUNT COVER, BOE
KP421/160	KIT, BRAKE MOUNT, FLAT, 160MM
KP421/180	KIT, BRAKE MOUNT, FLAT, 180MM
KF103/	KIT GUARD SCUFFGUARD 8PK
KP312/	KIT GROMMET 10X

FAT CAAD

REAR TRAVEL	N/A
HEAD TUBE	Cannondale Si
BOTTOM BRACKET/SHELL WIDTH	BB30 / 120mm
FRONT DERAILLEUR	53 Direct Mount
SEAT POST DIA. / BINDER	31.6mm/34.9mm
MAX. TIRE	29X4.8in
MAX. FORK AXLE TO CROWN	400mm
ISCG	NO
REAR BRAKE	Post Mount
REAR DROPOUT	214x12 Syntace x12 - KP400/
MIN. SEAT POST INSERT	100mm

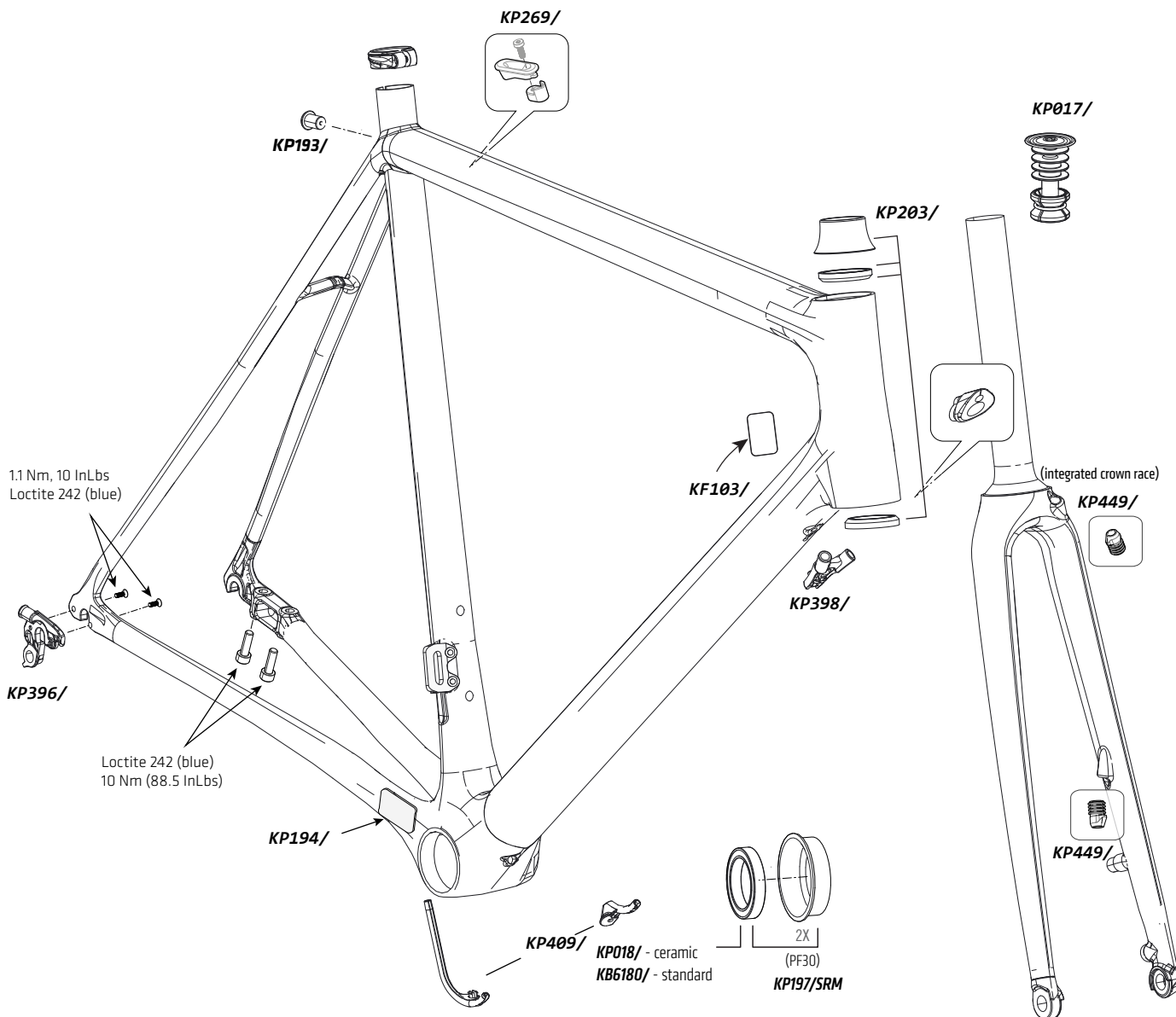


CODE	DESCRIPTION
KP173/	KIT, DER. HANGER;SI12
KP290/	KIT GUIDE HOUSING BOLT (4x)
HD169/	KIT BEARINGS HEADSET 2
QSISEAL/	KIT, SEAL, UPPER BEARING,58mm OD
KP173/	KIT, DER HANGER , FAT CAAD
KP400/	KIT, REAR AXLE, 214MM, FAT CAAD
KP401/	KIT, MOUNT, FT DER, FAT CAAD
KP402/	KIT, SPINDLE, H'GRAM, FAT CAAD1, 160MM
KP403/	KIT, SPINDLE, H'GRAM, FAT CAAD2, 166MM

CODE	DESCRIPTION
KP404/	KIT, CABLE GUIDES, FAT CAAD
KP405/	KIT, SPIDERING, FAT CAAD1, 30T
KF103/	KIT GUARD SCUFFGUARD 8PK
KB6180/	KIT, BEARING, BB-BB30
QC616/	KIT, CIRCLIPS (2) BB-SI
KB6180/	KIT, BEARING, 1 #6902-2RS 15(I.D.)x28 (O.D.) x 7(W)

SUPERSIX EVO HM (DISC 2017)**SUPERSIX EVO** (DISC 2017)

HEAD TUBE	Upper 1 1/8" Campagnolo Hiddesenset, Lower 1 1/4"		
BB SHELL TYPE-WIDTH	BB30A - 73 mm		
SEAT POST DIAMETER	25.4mm		
FRONT DERAILLEUR	Braze-On		
REAR DROPOUT SPACING	130 mm		
INTENDED USE	ASTM Condition 1, High-Performance Road		
MINIMUM SEAT POST INSERT	90mm		
MAXIMUM WEIGHT LIMIT (LBS/KG)	Rider	LUGGAGE*	TOTAL
*(SEAT BAG ONLY)	275/125	10/4.5	285/129

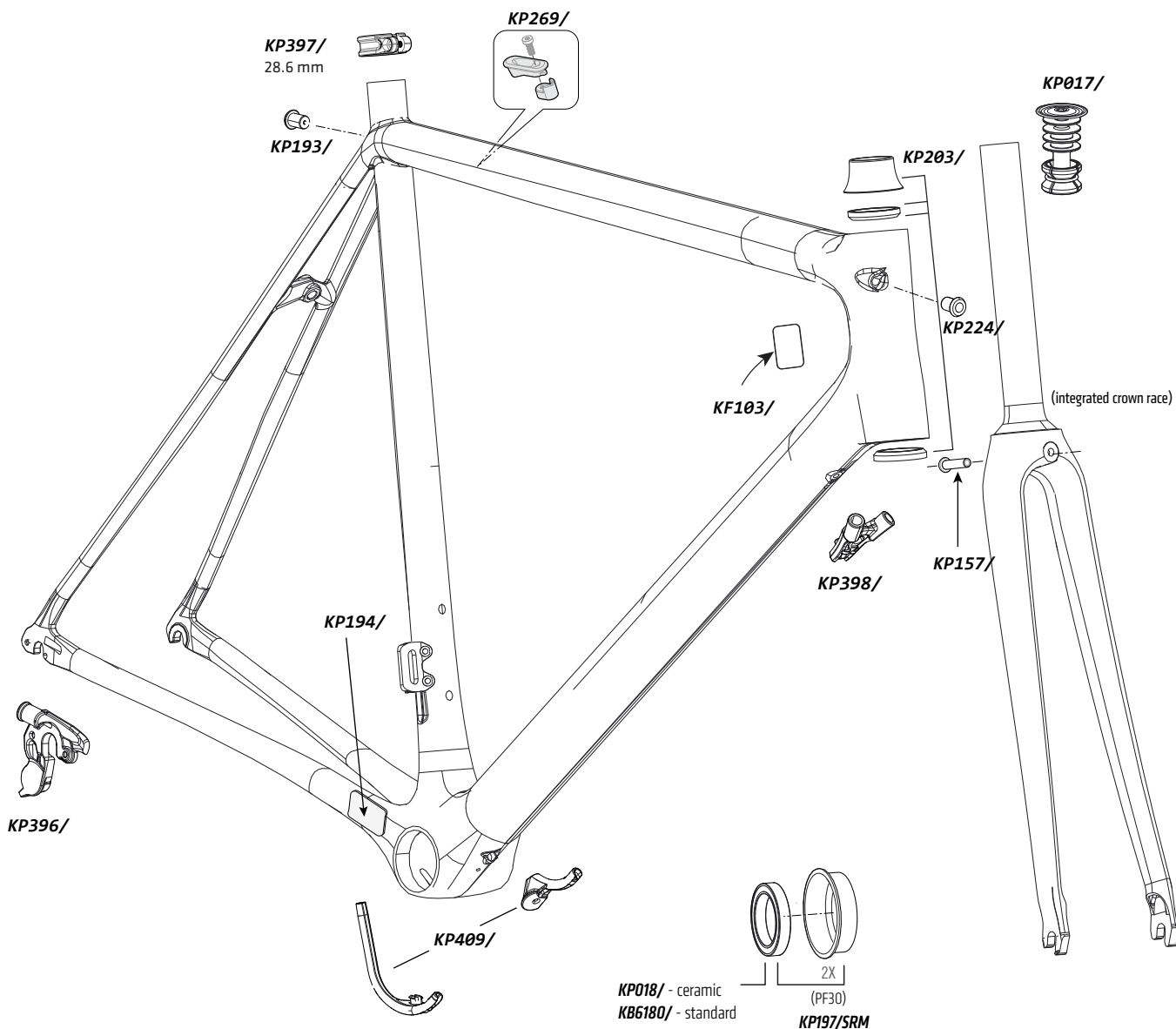


CODE	DESCRIPTION
KF115/	KIT GEL DYNAMIC CARBN SEATPOST
KP203/	KIT HEADSET SUPERSIX EVO CRB
KP395/	KIT, DER HANGER , EVO II, MECH
KP396/	KIT, DER HANGER , EVO II, DI2
KP397/	KIT, SEATBINDER, ROAD, 28.6
KP398/	KIT, DOWNTUBE CABLE STOP, EVO II

CODE	DESCRIPTION
KP409/	KIT, CABLE GUIDES, EVO II
KP193/	KIT GUIDE BRAKE SUPERSIX EVO
KP269/	KIT GUIDE BRAKE SUPERSIX EVO WMNS 44-48
KF103/	KIT GUARD SCUFFGUARD 8PK
KP197/SRM	KIT BEARING BB-PRESFIT30 SRM
KP449/	KIT RUBBER PLUGS

SUPERSIX EVO HM (RIM 2016-2017)**SUPERSIX EVO** (RIM 2017)

HEAD TUBE	Upper 1 1/8" Campagnolo Hiddesenset, Lower 1 1/4"		
BB SHELL TYPE/WIDTH	BB30A-73 mm		
SEAT POST DIAMETER	25.4mm		
FRONT DERAILLEUR	Braze-On		
REAR DROPOUT SPACING	130 mm		
INTENDED USE	ASTM Condition 1, High-Performance Road		
MINIMUM SEAT POST INSERT	90mm		
MAXIMUM WEIGHT LIMIT (LBS/KG)	Rider	LUGGAGE*	TOTAL
*(SEAT BAG ONLY)	275/125	10/4.5	285/129

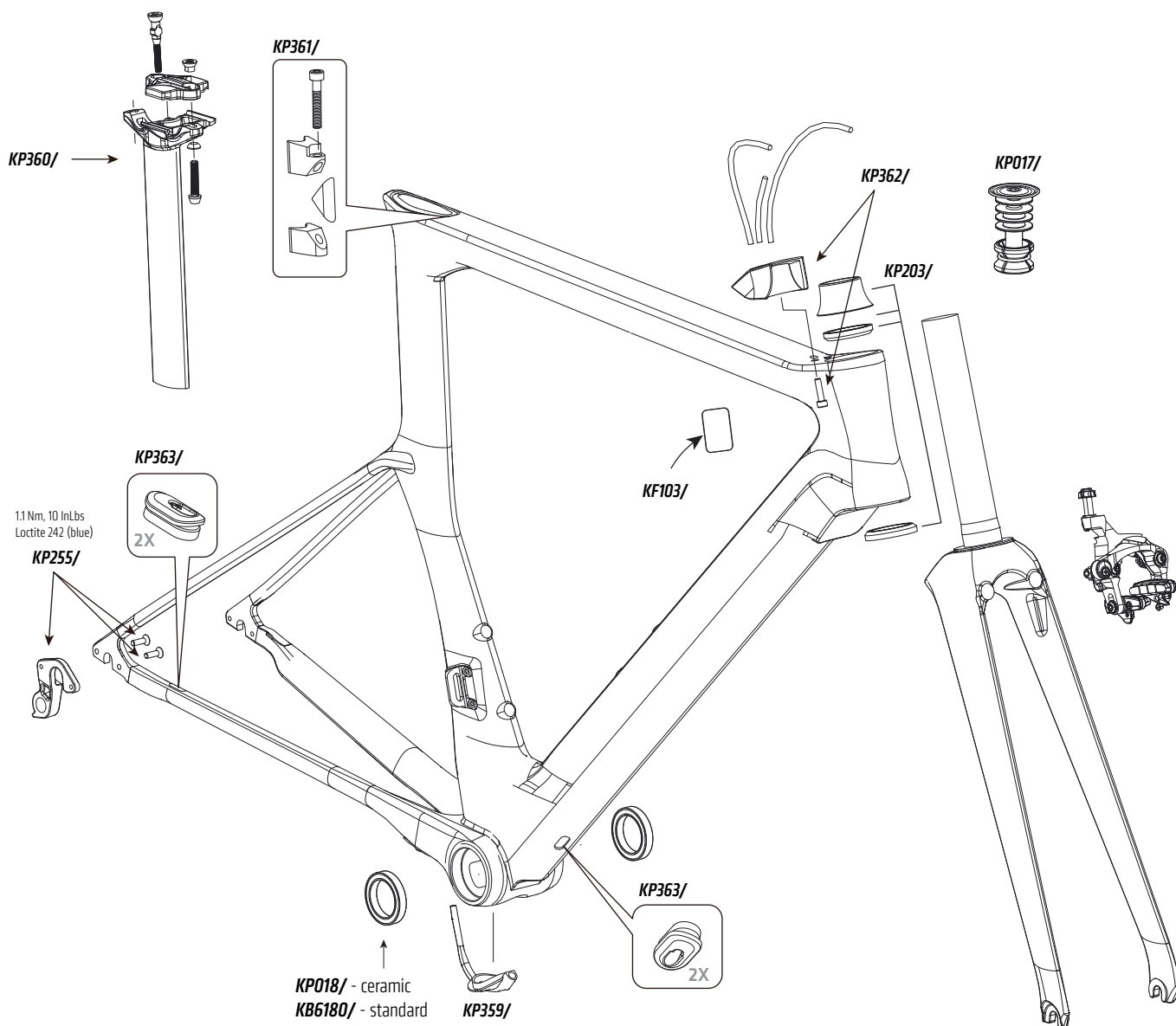


CODE	DESCRIPTION
KF115/	KIT GEL DYNAMIC CARBN SEATPOST
KP203/	KIT HEADSET SUPERSIX EVO CRB
KP395/	KIT, DER HANGER , EVO II, MECH
KP396/	KIT, DER HANGER , EVO II, DI2
KP397/	KIT, SEATBINDER, ROAD, 28.6
KP398/	KIT, DOWNTUBE CABLE STOP, EVO II

CODE	DESCRIPTION
KP409/	KIT, CABLE GUIDES, EVO II
KP193/	KIT GUIDE BRAKE SUPERSIX EVO
KP269/	KIT GUIDE BRAKE SUPERSIX EVO WMNS 44-48
KP224/	KIT GUIDE BRAKE H-TUBE SUPERSIX EVO
KF103/	KIT GUARD SCUFFGUARD 8PK
KP197/SRM	KIT BEARING BB-PRESFIT30 SRM

SLICE MULTISPORT (2016-17)

HEAD TUBE/HEADSET	Upper: 11/8 , Lower: 11/8
BOTTOM BRACKET	BB30A/73mm
FRONT DERAILLEUR TYPE	Braze On
SEAT POST / BINDER DIA.	KP360//KP361/
MAX. TIRE	25C
REAR DROPOUT	130mm
MIN. SP INSERT	90mm



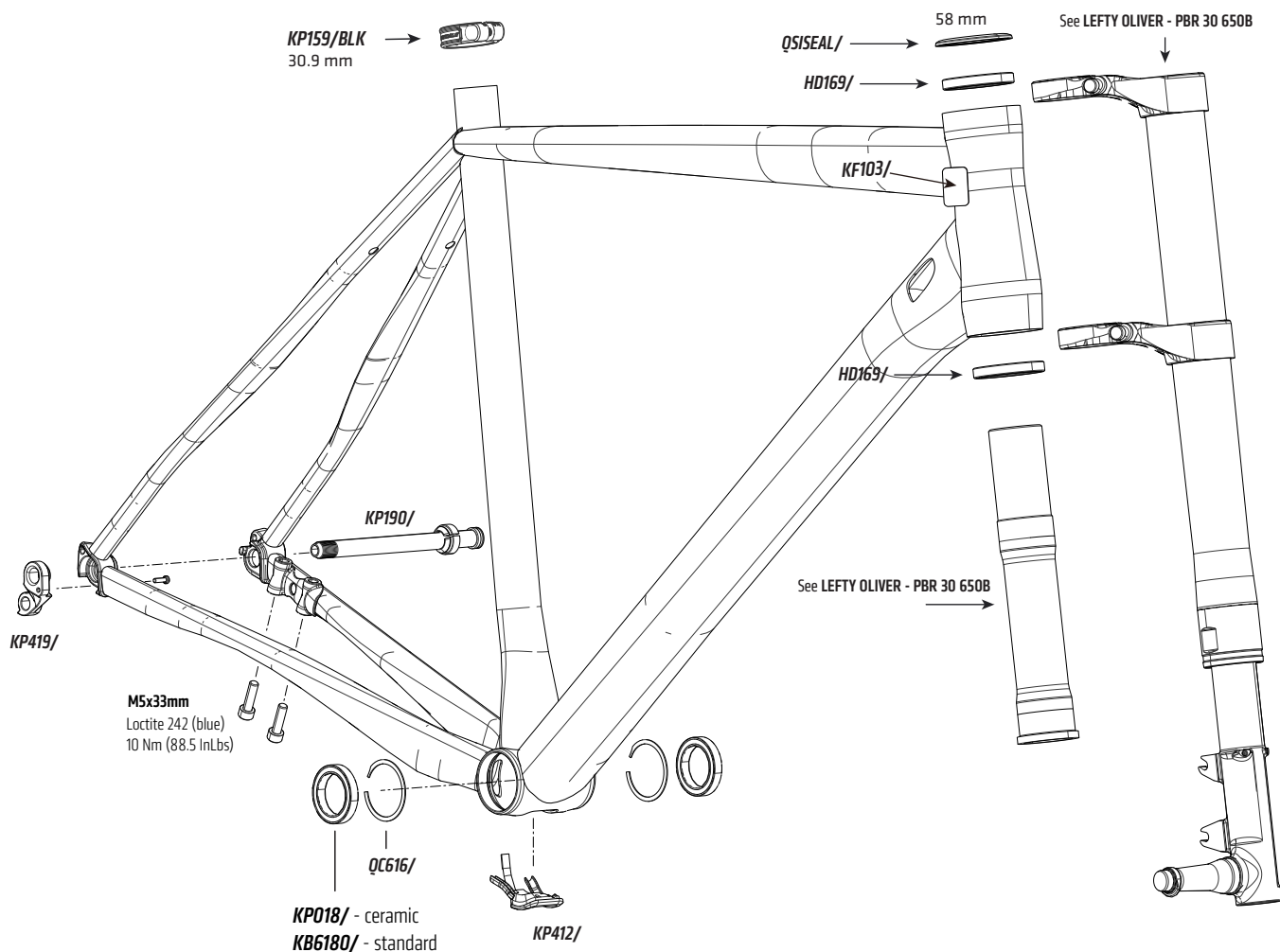
CODE	DESCRIPTION
KP017/	KIT COMP ASSY 23 6ID EXPANDER
KP362/	COVER
KP203/	HEADSET (11/18)
KP359/	BB CABLE GUIDE
KP363/	GROMMET - Di2 (QTY 2)
KP255/	RD HANGER
KP362/	COVER ASSY.
KF103/	KIT GUARD SCUFFGUARD 8PK

CODE	DESCRIPTION
KF115/	CARBON GEL
KP360/	SEAT POST ASSY.
KP361/	SEAT POST WEDGE ASSY.
KB6180/	KIT BEARING BB SI 2PCS
KP018/	KIT BEARING BB SI CERAMIC 2PCS
KP250/	KIT SPINDLE-SL2 ROAD 109

INTENDED USE	ASTM Condition 1, High-Performance Road		
MINIMUM SEAT POST INSERT	90mm		
MAXIMUM WEIGHT LIMIT (LBS/KG)	Rider	LUGGAGE*	TOTAL
*(SEAT BAG ONLY)	275/125	10/4.5	285/129

SLATE (2016-17)

HEAD TUBE	Cannondale SI		
BB SHELL TYPE/WIDTH	BB30A, 70 mm		
SEAT POST DIAMETER			
FRONT DERAILLEUR	31.8 mm		
BRAKE MOUNT	Flat Mount, 33mm bolt		
REAR DROPOUT SPACING	142X12 mm		
INTENDED USE	ASTM 2, GENERAL PURPOSE RIDING		
MINIMUM SEAT POST INSERT	100 mm		
MAXIMUM WEIGHT LIMIT (LBS/KG)	Rider	LUGGAGE*	TOTAL
* (SEAT BAG ONLY)	275/125	10/4.5	285/129



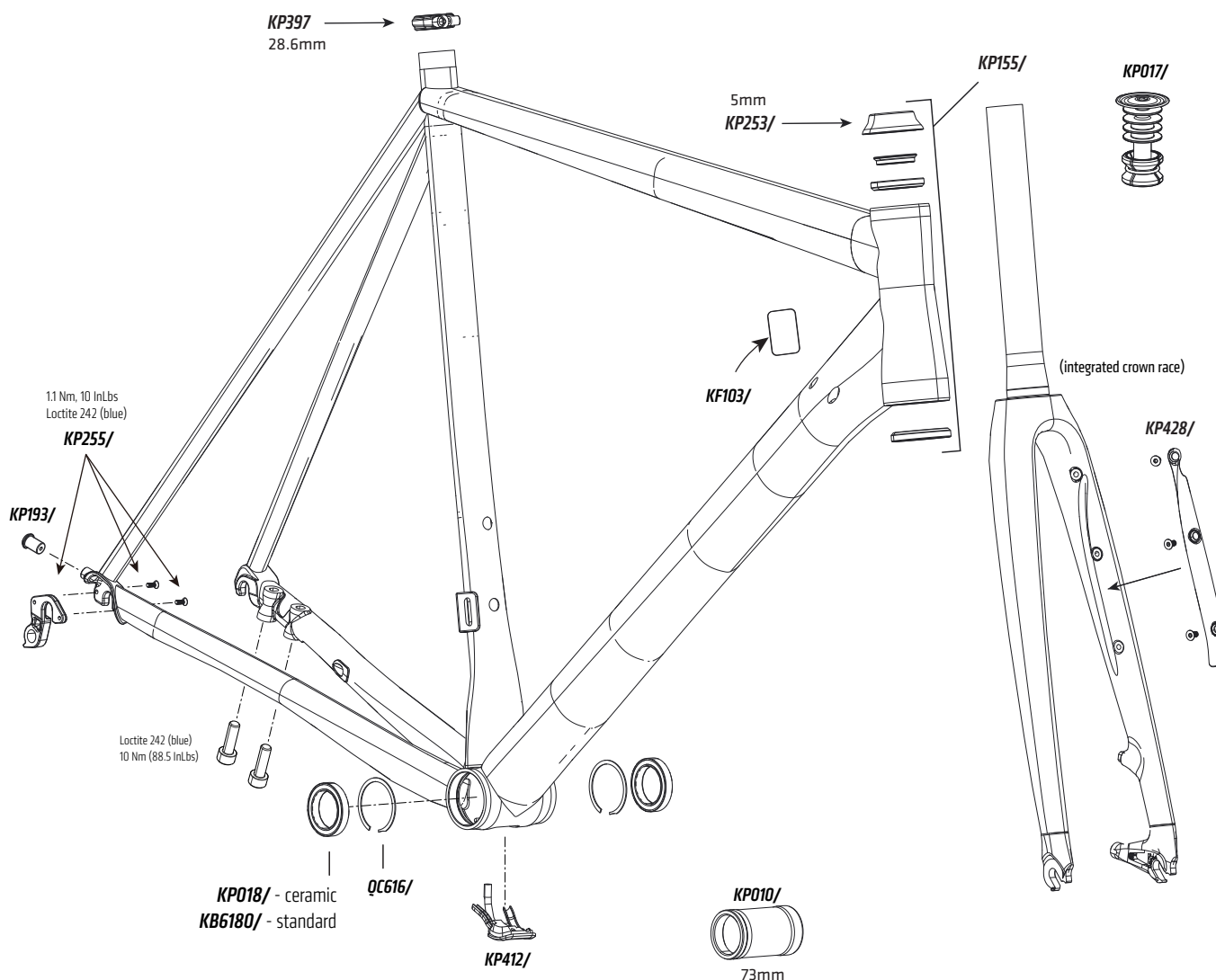
CODE	DESCRIPTION
KF115/	KIT GEL DYNAMIC CARBN SEATPOST
KF103/	KIT GUARD SCUFFGUARD 8PK
KP159/BLK	KIT,SEATBINDER, ROAD 30.9
KP419/	KIT, DER HANGER, SLATE/BOE, X12
KP412/	KIT, CABLE GUIDE, HYDRO, ROAD
KP190/	KIT AXLE SYNTACE X12 142X12MM

CODE	DESCRIPTION
QSI SEAL/	KIT, SEAL, UPPER BEARING 58mm OD
HD169/	KIT BEARINGS HEADSET 2

CAAD 12 (2016-17)

HEAD TUBE/HEADSET	Upper: 1 1/8 , Lower: 1 1/4
BOTTOM BRACKET	BB30A/73mm
FRONT DERAILLEUR TYPE	Braze On
SEAT POST / BINDER DIA.	25.4 / 28.6
MAX. TIRE	700 x 28c

REAR BRAKE DISC	140mm/160mm
REAR DROPOUT	RIM: 130 x 9mm , DISC: 135 x 9mm
MIN. SP INSERT	90mm

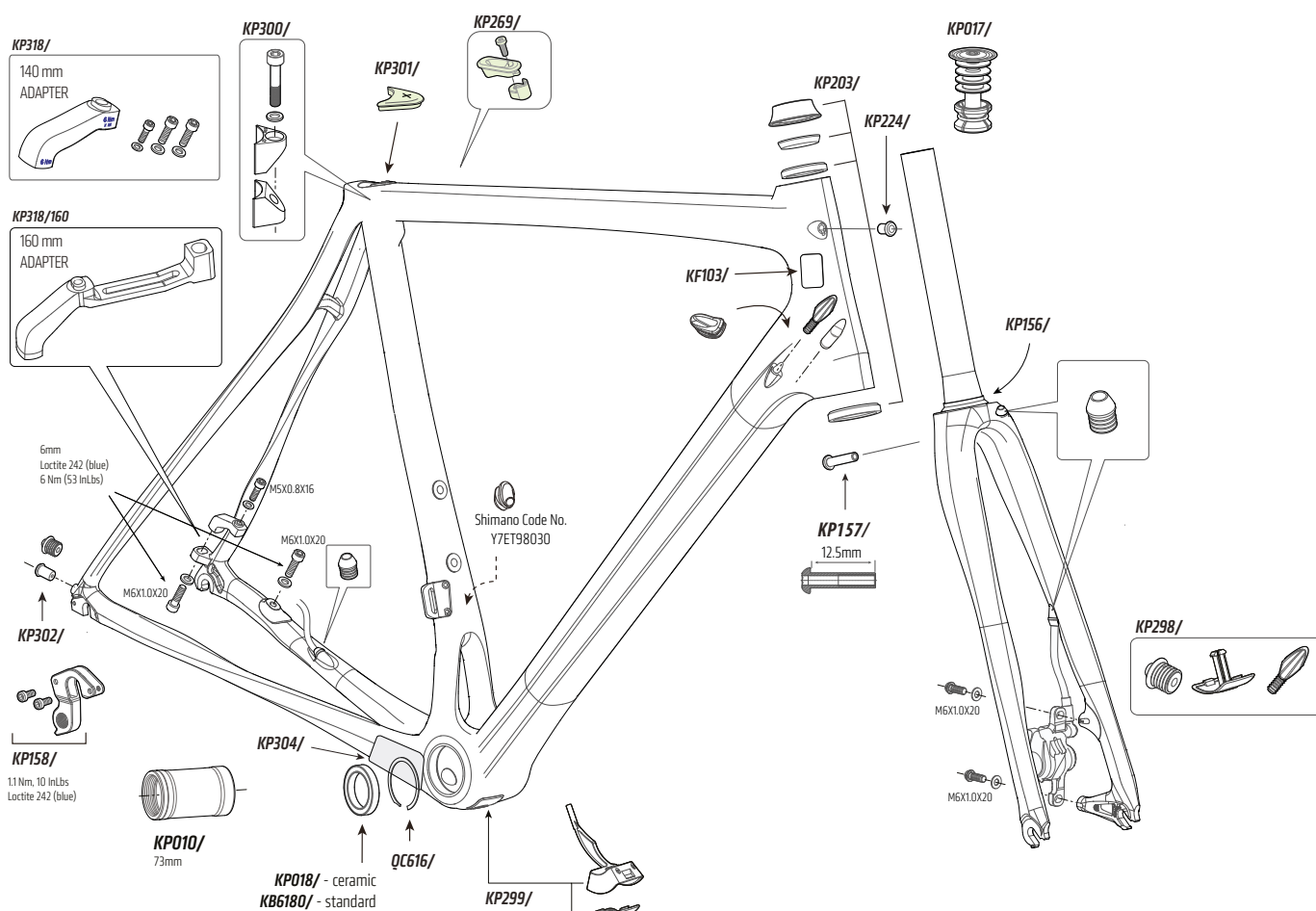


CODE	DESCRIPTION	RIM	DISC
KP155/	KIT HEADSET CAAD10 CRB	X	X
KP397/	KIT, SEATBINDER, ROAD, 28.6	X	X
KF115/	KIT GEL DYNAMIC CARBN SEATPOST	X	X
KP255/	KIT DER HANGER SINGLE SIDED RD2	X	X
KP412/	KIT, CABLE GUIDE, HYDRO, ROAD	X	X
KF103/	KIT GUARD SCUFFGUARD 8PK	X	X
KP253/	KIT,TOP CAP,5MM ROAD	X	X
KP017/	KIT,COMP ASSY,23.6ID,EXPANDER	X	X

CODE	DESCRIPTION	RIM	DISC
KP193/	KIT GUIDE BRAKE SUPERSIX EVO	X	X
KP428/	KIT, CABLE GUIDE, DISC, FORK		X
KP018/	KIT, BEARING, BB-SI, CERAMIC, 2PCS	X	X
KB6180/	KIT, BEARING, BB-SI, 2PCS	X	X
QC616/	KIT, CIRCLIPS (2) BB-SI	X	X
KP250/	KIT SPINDLE-SL2 ROAD 109	X	X
KP010/	KIT, ADAPTER, SIBB TO 73MM TAP	X	X
KF368/	KIT, TOOL, SIBB/73 ADP. INSTALL	X	X
KF366/	KIT, TOOL, SIBB ADAPTER EXTRACT	X	X

SYNAPSE HI-MOD/CARBON

HEAD TUBE	Upper 1 1/8" Campagnolo Hiddenst, lower 1 1/4"		
BB SHELL WIDTH	BB30A - 73mm		
SEAT POST DIAMETER	25.4mm		
FRONT DERAILLEUR	Braze-on		
REAR DISC BRAKE	POST MOUNT 140/160MM ONLY		
DROPOUT SPACING	130mm /Disc RR:135		
INTENDED USE	ASTM Condition 1, High-performance Road		
MINIMUM SEAT POST INSERT	90mm		
MAXIMUM WEIGHT LIMIT (LBS/KG)	Rider	LUGGAGE*	TOTAL
* SEAT BAG ONLY	275/125	10/4.5	285/129



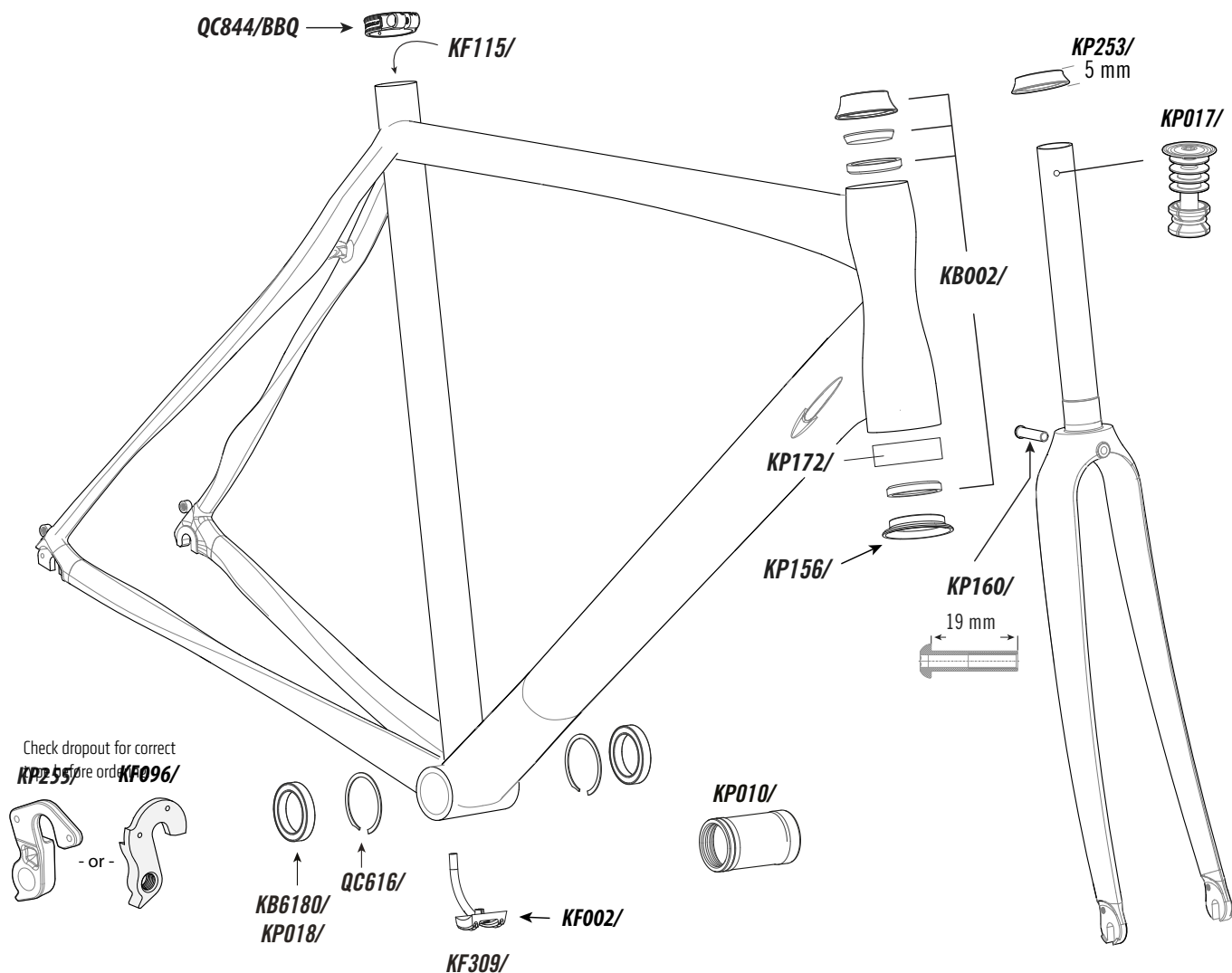
FORK		RIM	DISC
KP017/	KIT COMP ASSY 23 6ID EXPANDER	X	X
KP203/	KIT HEADSET NEW SYNAPSE CRB / SUPERSIX EVO CRB (CONTAINS KP156/)	X	X
KP156/	KIT, CROWN RACE, SYNAPSE CRB	X	X
KP157/	KIT BRAKE BOLT 12.5MM	X	
FRAME		RIM	DISC
KP158/	KIT DER HANGER RD	X	X
KP224/	KIT GUIDE BRAKE H-TUBE	X	X
KP298/	KIT D12 SYNAPSE PLUGS BB COVER MECH.	X	X
KP299/	KIT SYNAPSE BB CABLE GUIDE MECH.	X	X
KP302/	KIT DROPOUT CABLE STOP (20X)	X	X
KP318/	KIT SYNAPSE CRB DISC BRAKE ADAPTER 140 MM ROTOR		X
KP318/160	KIT SYNAPSE CRB DISC BRAKE ADAPTER 160 MM ROTOR		
KF103/	KIT GUARD SCUFFGUARD 8PK	X	X
FRAME		RIM	DISC

KF367/	KIT CH STAY PROTECT SYNAPSE	X	X
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SEATPOST		RIM	DISC
KP300/	KIT SYNAPSE SEATPOST WEDGE ASSY.	X	X
KP301/	KIT SYNAPSE WEDGE COVER (10X)	X	X
KF115/	KIT GEL DYNAMIC CARBN SEATPOST	X	X
BOTTOM BRACKET		RIM	DISC
KB6180/	KIT BEARING BB SI 2PCS	X	X
KP018/	KIT BEARING BB SI CERAMIC 2PCS	X	X
QC616/	KIT CIRCLIPS (2) BB SI	X	X
KP010/	KIT ADAPTER SIBB TO 73MM BSA	X	X
TOOLS		RIM	DISC
KF368/	KIT TOOL SIBB/73 ADP INSTALL	X	X
KF366/	KIT TOOL SI BB ADAPTER EXTRACT	X	X

SYNAPSE (ALLOY)

HEAD TUBE	1 1/8"		
BB SHELL WIDTH	BB30- 73mm		
SEAT POST DIAMETER	27.2mm		
FRONT DERAILLEUR	35.9mm		
REAR BRAKE	POST MOUNT 140/160MM ONLY		
DROPOUT SPACING	135mm		
INTENDED USE	ASTM Condition 1, High-performance Road		
MINIMUM SEAT POST INSERT	90mm		
MAXIMUM WEIGHT LIMIT (LBS/KG)	RIDER	LUGGAGE*	TOTAL
* (SEAT BAG ONLY)	275/125	10/4.5	285/129

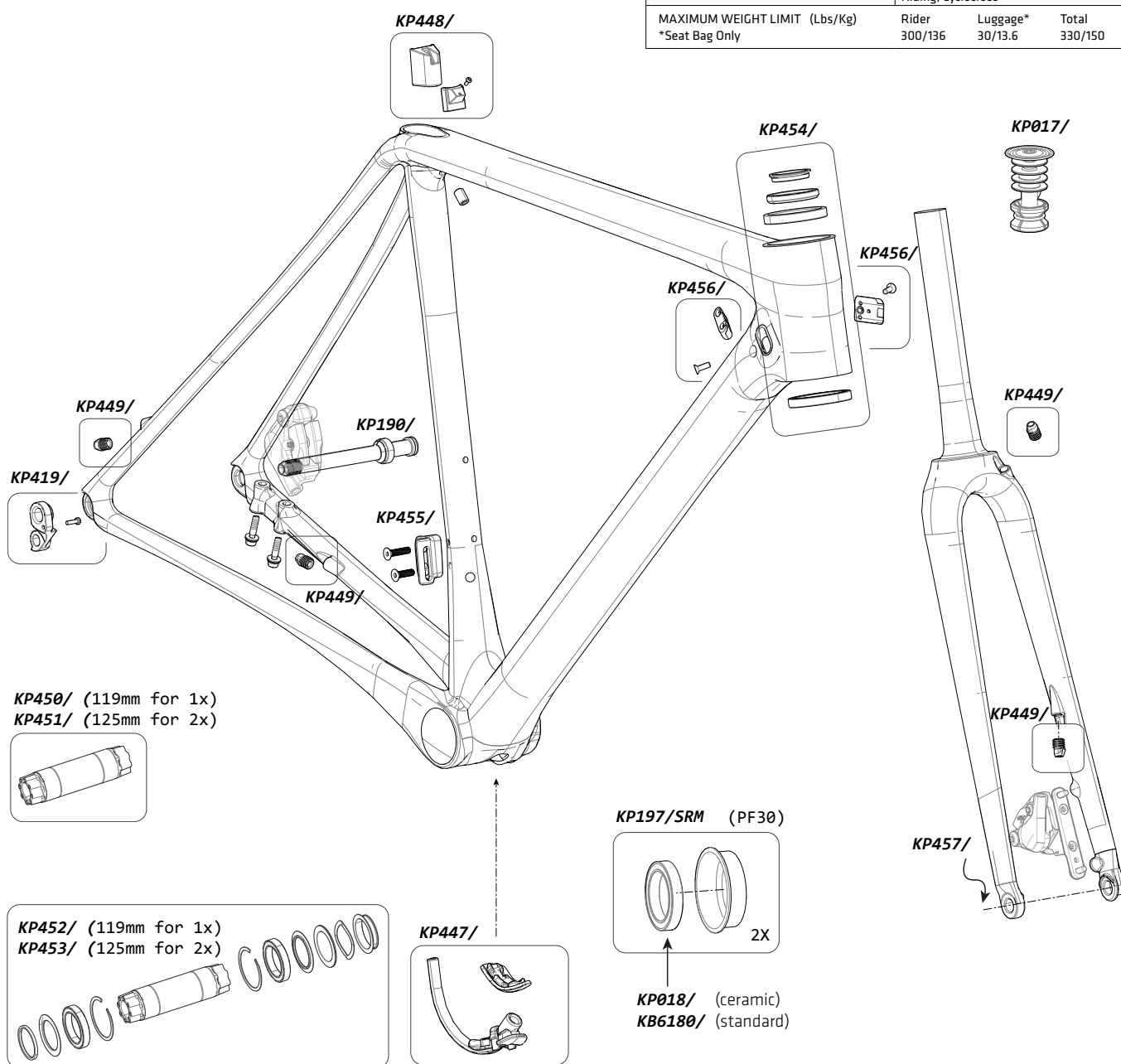


CODE	DESCRIPTION
KB002/	KIT, HEADSET, SI CRB W/25 TC
KP253/	KIT, TOP CAP, 5MM ROAD
KP172/	KIT, HEADSET CUP, LOWER AL SYN/SIX
KP255/	KIT, DER HANGER, SINGLE SIDED RD2
KF096/	KIT, DER HANGER, SINGLE SIDED RD
KF002/	KIT, BB CABLEGUIDE, DOUBLE
KP160/	KIT, BRAKE BOLT, 19MM
KF055/	KIT, ADJUSTER-INLINE SHIFTER-2
QC844/BBQ	KIT, SEATBINDER, ROAD 31.8, BLK

CODE	DESCRIPTION
KB6180/	KIT BEARING BB SI 2PCS
KP018/	KIT BEARING BB SI CERAMIC 2PCS
QC616/	KIT CIRCLIPS (2) BB SI
KP010/	KIT ADAPTER SIBB TO 73MM TAP
KP009/	KIT, ADAPTER, SIBB TO 68MM TAP
KF365/	KIT, TOOL, SIBB/68 ADP. INSTALL
KF366/	KIT, TOOL, SIBB ADAPTER EXTRACT
KF115/	KIT, GEL, DYNAMIC, CARBN SEATPOST
KP309/	KIT, BB CABLEGUIDE (Syn All Disc)

SUPER X (2017)

HEADTUBE	1.5
BOTTOM BRACKET TYPE-WIDTH	PF30A -83mm
FRONT DERAILLEUR	Braze On
SEAT POST DIA./BINDER	25.4 mm
MAX TIRE	40C
REAR BRAKE MOUNT	Flat Mount
REAR DROPOUT	142 x 12 mm Syntace
INTENDED USE	ASTM Condition 2, General Purpose Riding, Cyclocross
MAXIMUM WEIGHT LIMIT (Lbs/Kg)	Rider Luggage* Total
*Seat Bag Only	300/136 30/13.6 330/150



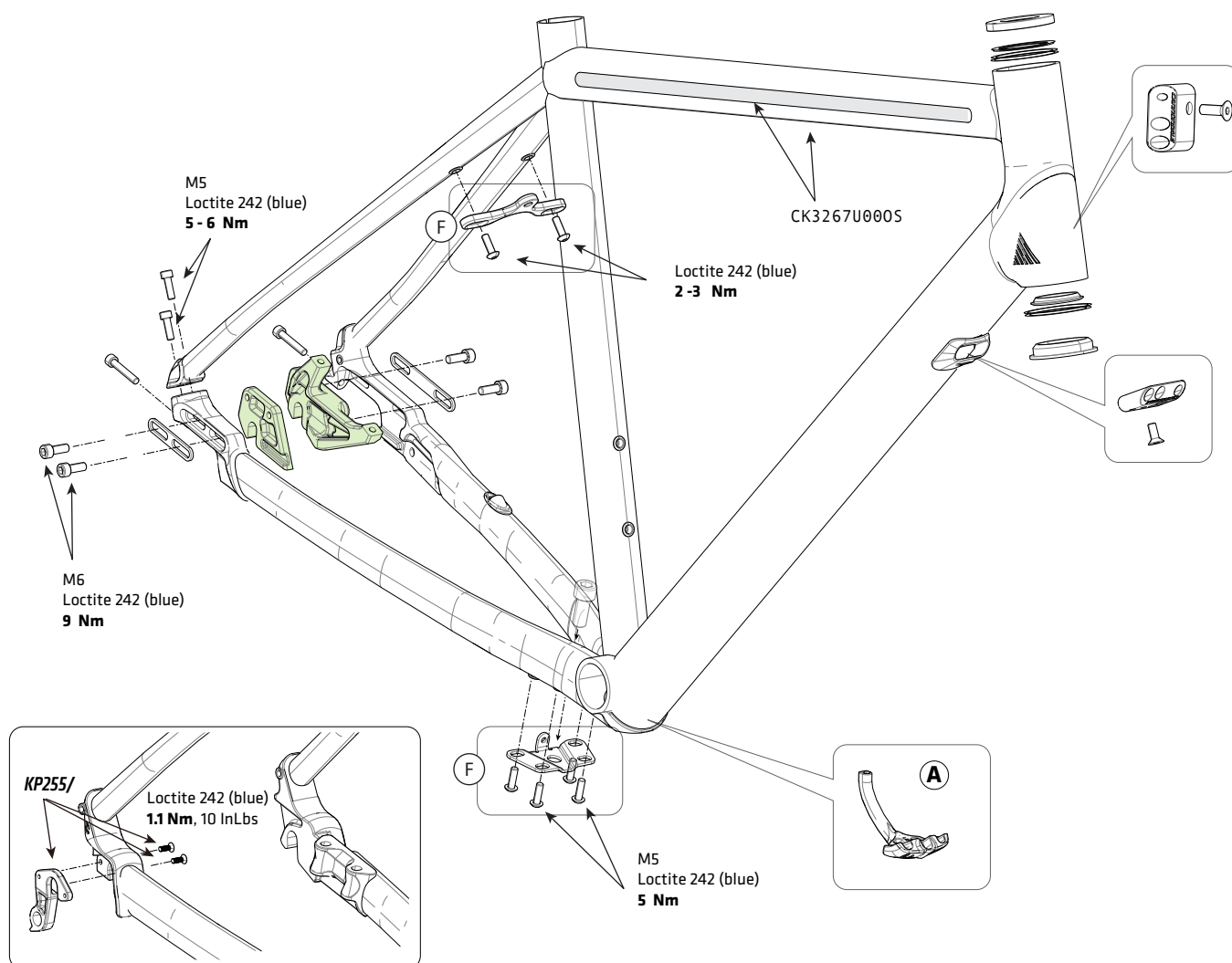
CODE	DESCRIPTION
KP447/	KIT, BB CABLE GUIDES, SUPER X
KP448/	KIT, SEAT BINDER WEDGE, SUPER X
KP449/	KIT, RUBBER PLUGS, SUPER X
KP450/	KIT, SPINDLE, 119, Ai
KP451/	KIT, SPINDLE, 125, Ai
KP452/	KIT, COMPLETE BB, 119, Ai
KP453/	KIT, COMPLETE BB, 125, Ai
CU4041SI40	KIT, SPIDER RING SL 40T, AI

CODE	DESCRIPTION
KP454/	KIT, HEADSET 1.5, SUPER X
KP455/	KIT, FRONT DER MOUNT, SUPER X
KP456/	KIT, CABLE GUIDE, SUPER X
KP457/	KIT, THRU AXLE, FRONT, SUPER X
KP419/	KIT, DER HANGER, SLATE/BOE, X12
KP190/	KIT, AXLE SYNTACE X12 142X12MM
KP017/	KIT ,COMP ASSY 23 6ID EXPANDER
KF115/	KIT, GEL DYNAMIC CRB SEAT POST

BAD BOY

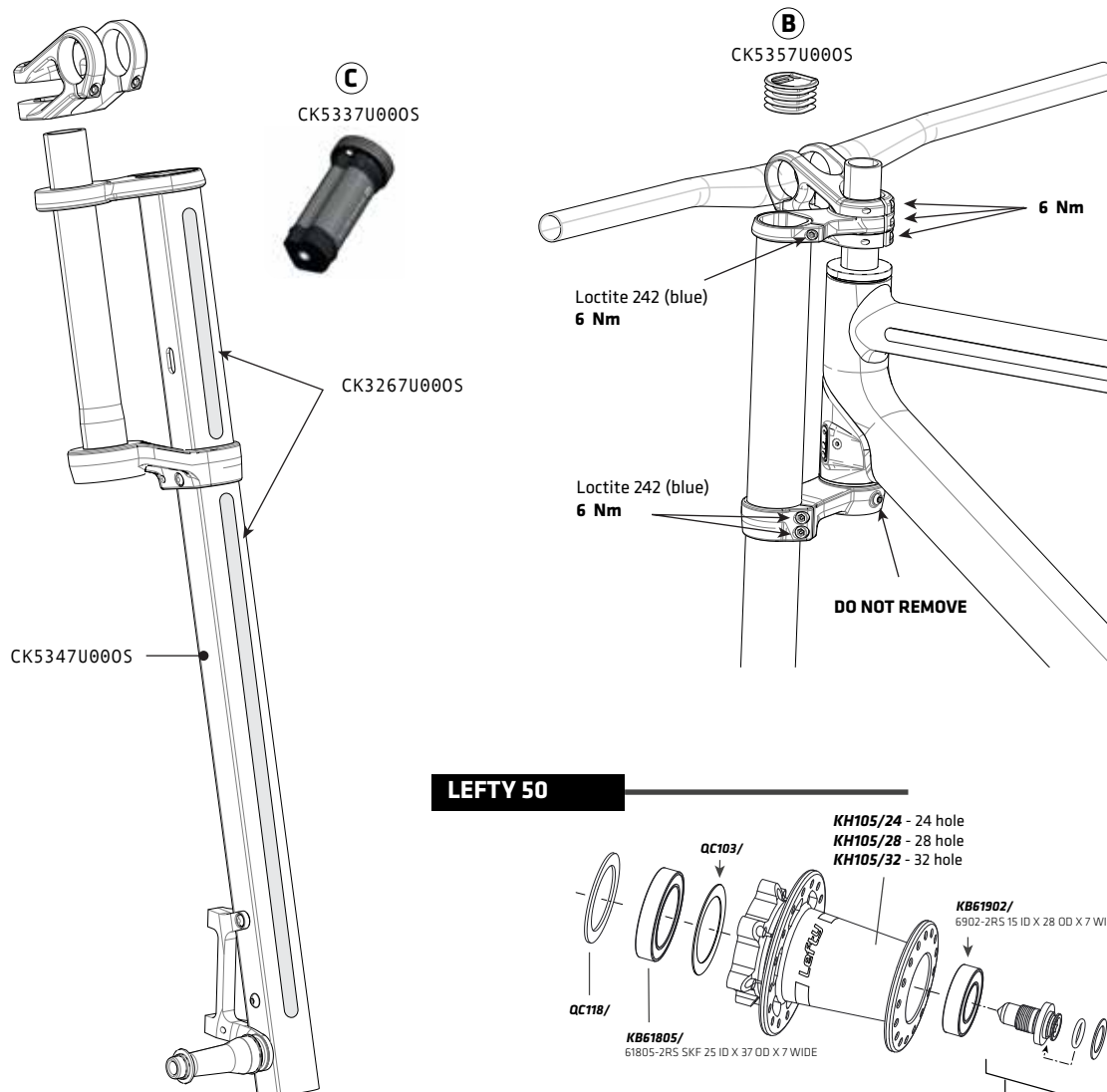
HEAD TUBE	1 1/8 semi-integrated
BOTTOM BRACKET	BSA 68
FRONT DERAILLEUR	35 mm clamp style
SEAT POST DIA.	31.6 mm
MINIMUM SEAT POST INSERT	100 mm
TIRE (SIZE/MAXIMUM WIDTH*)	NA
MAXIMUM FORK LENGTH	NA
INTENDED USE	ASTM CONDITION 2, General Purpose Riding

REAR BRAKE	FLAT MOUNT		
REAR DROPOUT	135 mm		
Maximum Weight Limit (Lbs/Kg) *(Seat Bag Only)	Rider 275/125	Luggage* 10/4.5	Total 285/129



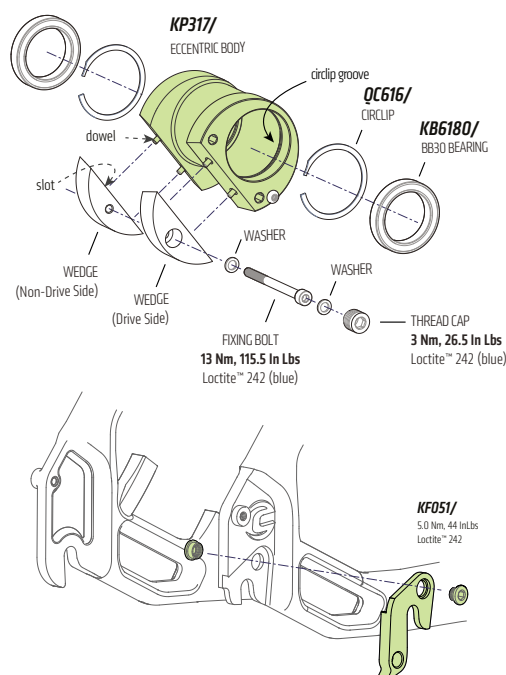
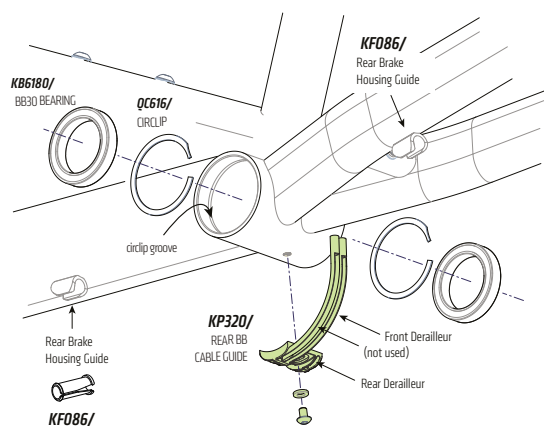
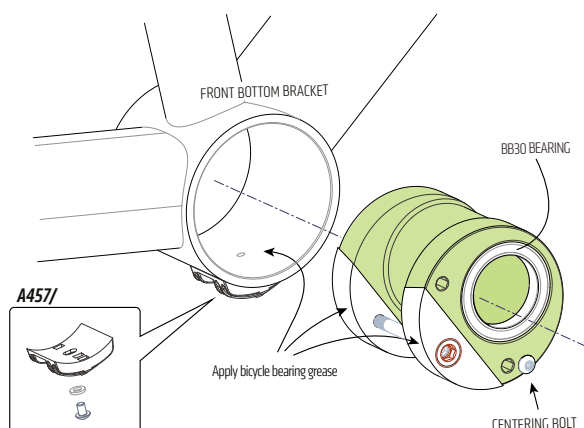
CODE	DESCRIPTION	LIGHT PIPE RIGID LEFTY		RIGID LEFTY
		BELT DRIVE	CHAIN	
(A) CK3307U000S	Bad Boy BB Cable Guide		X	X
(F) CK3317U000S	BadBoy Fender Mount	X	X	X
CK3327U000S	BadBoy Sliding Dropout			
KP255/	Kit Der Hanger Single Sided Rd2		X	X
CK5347U000S	BadBoy Lefty Rigid	X	X	
(B) CK5357U000S	BadBoy Lefty Rigid Plug	X	X	
(C) CK5337U000S	BadBoy Lefty Light Pipe Battery	X	X	X
CK3267U000S	BadBoy Lefty Rigid Light Pipe	X	X	

BAD BOY



TANDEM

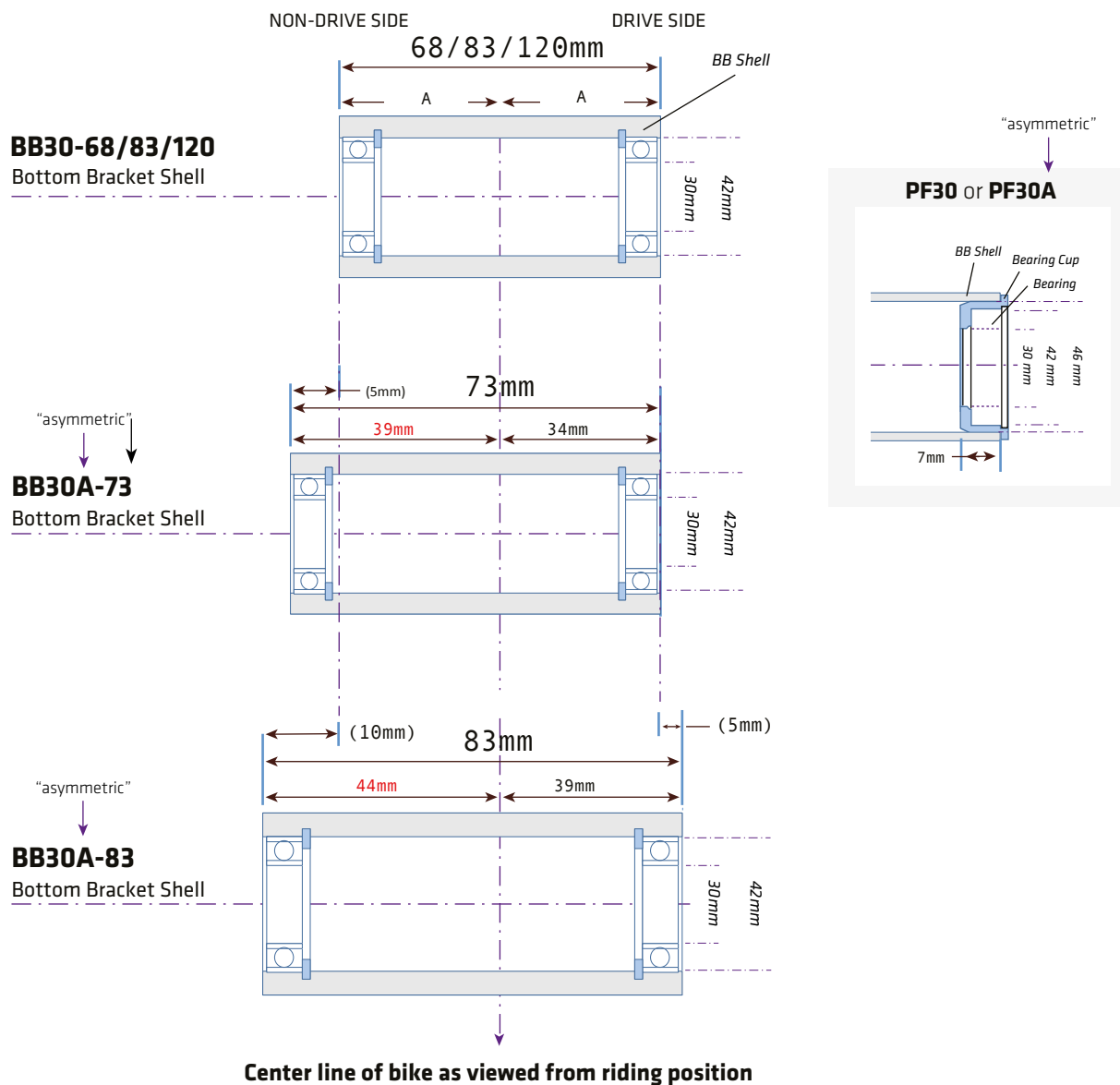
MODELS	ROAD 700C		MOUNTAIN 29R	
HEAD TUBE	CAMPY STYLE BEARINGS: 41.8MMOD W/ 45 CHAMFERS		1.5IN CHAMFERS	
TIMING CHAIN LENGTH	SIZE	Link	SIZE	Link
	M/S	78	MD	78
	L/S	78	LG	79
	X/S	78		
	J/M	79		
BB SHELL WIDTH	FR: BB30 ECCENTRIC	RR: BB30	FR: BSA ECCENTRIC	RR: BSA
SEAT POST DIAMETER	FR: 31.6MM		RR: 27.2	
FRONT DERAILLEUR	34.9MM			
DROPOUT SPACING	FR: 100MM		RR: 145MM	
REAR BRAKE	POSTMOUNT			
INTENDED USE	ASTM CONDITION 1, HIGH-PERFORMANCE ROAD		ASTM CONDITION 2, GENERALPURPOSE RIDING	
MAXIMUM WEIGHT LIMIT (LBS/KG)	RIDER	LUGGAGE*	TOTAL	
* (SEAT BAG ONLY)	500/227	75/34	575/261	



CODE	DESCRIPTION
A457/	KIT,BB CABLEGUIDE,TANDEM; 3 channel BB cable guide
KP230/	BB GUIDE FOR REAR BB
A181/	KIT,BB ECCENTRIC,TANDEM/1FG; COMPLETE
KP317/	BB30 ECCENTRIC ASSY (QC616, KB6180 not incld)
KP103/	KIT,BB ECCENTRIC,HWARE -**A181/**
KA027/	KIT,STEM,STOKER,ADJUSTABLE; FOR USE WITH 31.6 SEATPOST AND 31.8 H'BAR DIAMETER
KB002/	KIT,HEADSET, SI FSA CARBON W/ 15MM TOPCAP
KF051/	KIT,DER.HANGER;SINGLE SIDED 2
KF014/	KIT,CABLESTOP, INSERTS - 2

CODE	DESCRIPTION
KF086/	KIT,HYDRAUL. BRK GUIDES,10 PCS
QC840/BBQ	KIT,SEATBINDER,MTN QR,31.8,BLK-STOKER
QC843/BBQ	KIT,SEATBINDER,MTN QR,34.9,BLK-CAPTAIN
QC841/BBQ	KIT,SEATBINDER,MTN,31.8,BLK -STOKER
QC842/BBQ	KIT,SEATBINDER,MTN,34.9,BLK -CAPTAIN
KF115/	KIT,GEL,DYNAMIC,CARBON SEATPOST
KB6180/	KIT BEARING BB SI 2PCS
KP018/	KIT BEARING BB SI CERAMIC 2PCS
QC616/	KIT CIRCLIPS (2) BB SI
KP009/	KIT, ADAPTER, SIBB TO 68MM TAP

BOTTOM BRACKET



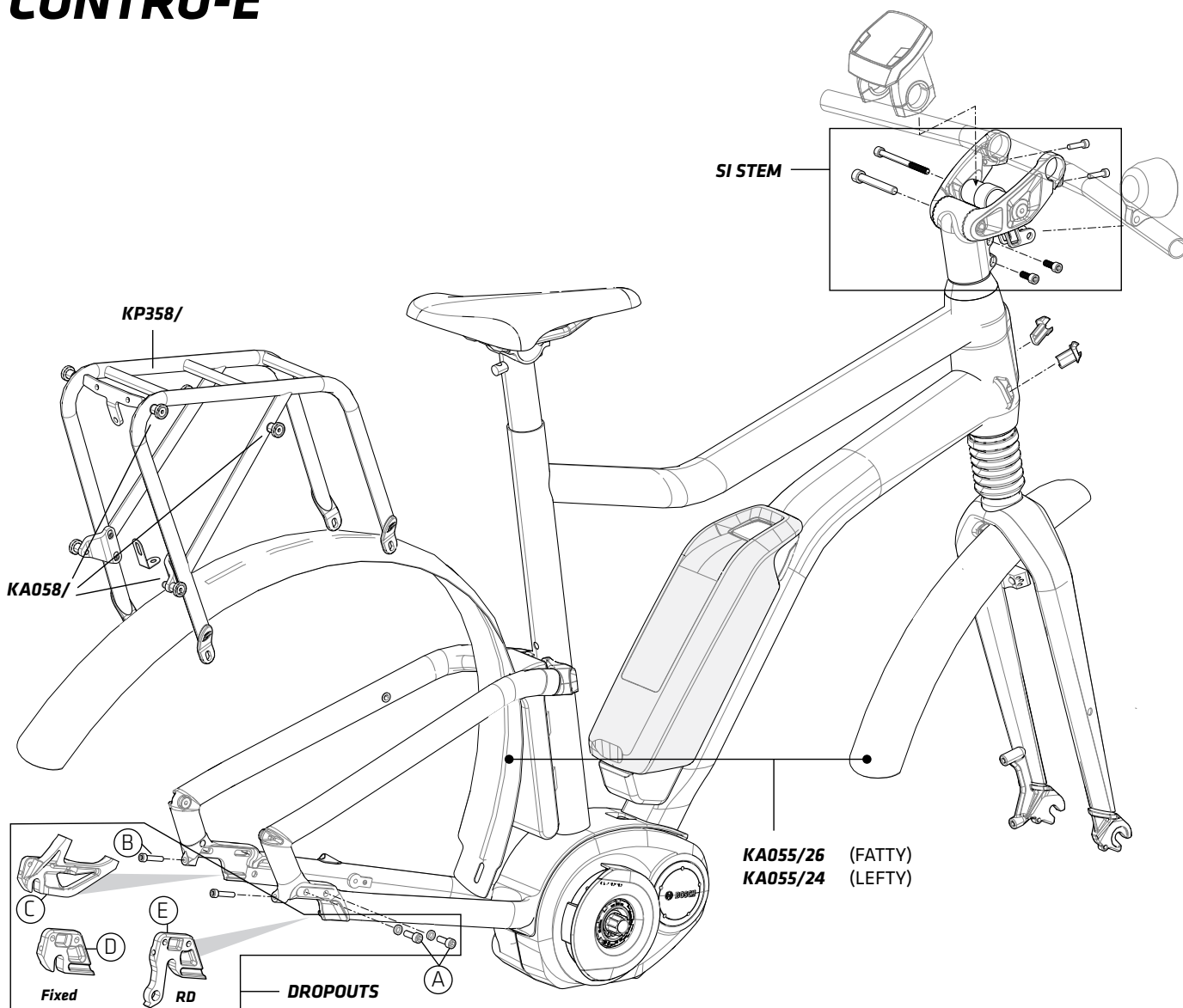
Bottom Bracket

Category	ROAD			CYCLOCROSS			MTB			FAT		
Si Bottom Bracket Type /Shell Width (naming convention)	BB30-68	BB30-73	BB30A-73	BB30A-83	BB30-83	BB30A-83	BB30-68	BB30-73	BB30-83	BB30A-83	BB30-120	BB30-120
Si Spindle Length	109	109	109	119	125	125	137	137	137	137	160	166
BB Shell Width	68	73	73	83	83	83	68	73	83	83	120	120
Asymmetric? NO/YES	NO	NO	YES	YES	NO	YES	NO	NO	NO	YES	NO	NO
BB Shell center - Left (non-drive) **	34	36.5	39	44	41.5	44	34	36.5	41.5	46.5	60	60
BB Shell center - Right (drive) **	34	36.5	34	39	41.5	39	34	36.5	41.5	36.5	60	60
Spacer Left (non-drive)	7.5	5	2.5	2.5	8	5.5	21.6	19	14	11.5	7	10
Spacer Right (drive)	2.6	0.1	2.6	2.6	3.1	5.6	16.5	14.1	9.1	11.6	2.1	5.1

All dimension in millimeters (mm).

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

CONTRO-E



CONTRO-E

HF15LARIG/24/BBQ	KIT, COMPLETE FORK E CONTRO 24
KP375/	KIT, COMPLETE RR WHEEL E CONTRO 24
KP376/	KIT, COMPLETE FT WHEEL E CONTRO 24
KP377/	KIT, FRAME LOCK E CONTRO 24
KP378/	KIT, PLASTIC INSERTS E CONTRO 24
KA055/24	KIT, COMPLETE FENDER SET E CONTRO 24
KP380/	KIT, CHAINSTAY GROMMETS E CONTRO 24

FRAME/RACK/KICKSTAND

KA056/	KICKSTAND CDALE SI BLK 40mm Mount Plate
KP358/	KIT RACK CONTRO BLK
KA058/	PLUGS, RACK ORTLIEB QL3

FENDER

KP358/26	FENDER SET CONTRO-E 26" - HEADSHOK
KP358/24	FENDER SET CONTRO-E 24" - LEFTY RIGID

DROPOUT KITS

KP356/	DROPOUT KIT (Fixed)
KP357/	DROPOUT KIT (Rear Derailleur)
DROUPOUT KIT (fixed) contains A, B, C D	
DROUPOUT KIT (rear derailleur) contains A, B, C, E	

FORKS

HF15LARIG/24/BBQ	FORK 15 LEFTY AL RIGID CONTRO-E 24 BBQ
HF15LARIG/26/BLK	FORK 15 FATTY DL50-DISC 26 CONTRO-E BLK
HF15LARIG/24/BBQ	FORK 15 LEFTY AL RIGID CONTRO-E 24 BBQ

SI STEM

BIKE SIZE	S	M	L
HEADSHOK - 26" stem length:	KA057/S 100mm	KA057/ 135mm	KA057/ 135mm
LEFTY RIGID - 24" stem length:		KA063/S 100mm	KA063/S 135mm

2016-2017 E-BIKE SPARE PARTS

BIKE	ITEMCODE KIT KICKSTAND	Deraillieur hanger	Fenders		Stem	Rack	Chainguard
MAVARO	2KS00/BLK	KP284/	FRONT BLK	KP261/BLK	KP303/ *	NA	KA061/
			REAR BLK	KP262/BLK			
			FRONT WHT	KP261/WHT			
			REAR WHT	KP262/WHT			
MAVARO ALFINE	KA056/		FRONT + REAR	KP273/	KP303/ *	NA	NA
TRAMOUNT	KA056/	KP173/	NA	NA	HS: steerer: KH049/STD	NA	NA
			NA	NA	1.5 steerer: KH104/STD	NA	NA
KINETO	2KS00/BLK	KP284/	NA	NA	NA	NA	NA
CONTRO-E	RM ONLY	KP357/ (for FIXED use: KP356/)	FATTY	KA055/26	KA057/S	KP358/	NA
			LEFTY	KA055/24	KA057/S	KP358/	NA
CONTRO-E RIGID	RM ONLY	KP357/ (for FIXED use: KP356/)	COMPLETE SET	KA055/26	KA057/S	KP358/	NA
CONTRO-E SPEED	RM ONLY	KP357/ (for FIXED use: KP356/)	COMPLETE SET	KA055/26	KA057/S	KP358/	NA
BAD BOY ALFINE	2KS00/BLK	NA	NA	NA	1.5" stem	NA	
BAD BOY 2-3-4	2KS00/BLK	KP048/	NA	NA	1.5" stem	NA	
CONTRO 1	KA056/	NA (hubgear bike)	COMPLETE SET	KA062/	NA	KP358/	NA
CONTRO 2	KA056/	NA (hubgear bike)	COMPLETE SET	KA059/	NA	KP358/	NA
CONTRO 3	KA056/	KP284/	COMPLETE SET	KA059/	NA	KP358/	NA
CONTRO 4	KA056/	KP284/	COMPLETE SET	KA059/	NA	NA	NA
HOOLIGAN	2KS00/BLK	NA (hubgear bike)	NA	NA	NA	NA	NA
QUICK	2KS00/BLK**	KP048/	NA	NA	NA	NA	NA
QUICK CX	2KS00/BLK**	KP255/	NA	NA	NA	NA	NA
TESORO 1-2	2KS00/BLK	KP255/	NA	NA	KP303/	NA	NA
TESORO 3	2KS00/BLK	NA (hubgear bike)	NA	NA	KP303/	NA	NA

*Headshok-version /RIGID RM ONLY 129195

** NOTE: Only Quicks from MY2012 and earlier will fit Si, everything else should be tested and tried with Cannondale Eileen kickstand

SI HOLLOWGRAM MOUNTAIN

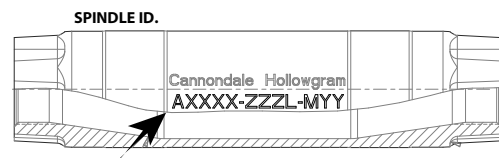
Complete Cranksets

See the 2017 Cannondale Dealer Book for ordering information.

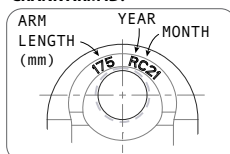
Individual Replacement and Service Parts

CRANKARMS	TYPE	DRIVE-SIDE CRANKARM - 3				NON-DRIVE CRANKARM - 14		
		SISL2	HOLLOWGRAM SI	CANNONDALE SI		SISL2	HOLLOWGRAM SI	CANNONDALE SI
	165mm	--	--	KP423/165R		--	--	KP423/165L
	170mm	KP246/170R	KP305/170R	KP423/170R		KP246/170L	KP305/170L	KP423/170L
	172mm	KP246/172R	KP305/172R	KP423/172R		KP246/172L	KP305/172L	KP423/172L
	175mm	KP246/175R	KP305/175R	KP423/175R		KP246/175L	KP305/175L	KP423/175L

CRANK BOLTS	1(2), 2(2)	KP251/BLK	KIT,CRANK BOLTS,H-GRAM SL2,(2)	
SPIDER RINGS	4	KP365/30	MTB SPIDERING SL 30T X-SYNC AI OFFSET	
		KP365/32	MTB SPIDERING SL 32T X-SYNC AI OFFSET	
		KP365/34	MTB SPIDERING SL 34T X-SYNC AI OFFSET	
		KP366/28	MTB SPIDERING SL 28T X-SYNC	
		KP366/30	MTB SPIDERING SL 30T X-SYNC	
		KP366/32	MTB SPIDERING SL 32T X-SYNC	
SPIDERS		4A	KIT,SPIDER-SI MTN, XX1	1 X 11
		4B	KIT,SPIDER,SI MTN,SRAM 80/120 BCD 4BLT	2 X 10
		4C	KIT,SPIDER,SI MTN,SRAM 64/104 BCD 4BLT	2 X 10
		4D	KIT,SPIDER, SI MTN,TRIPLE 64/104 BCD 4BLT	3 X 10
		4E	KIT SPIDER SI MTN SRAM 64/104 4BLT	2 X 10 
		4F	KIT SPIDER SI MTN XX1	1 X 11 
SPIDER LOCK RING	5	KP021/	KIT,LOCKRING-SL	--REQUIRES KT012/ (Item 15)
SPINDLE	1(2), 2(2), 6, 7(2) 8(2), 9A(2), 9B(2) 10, 11(3), 12, 13	KP248/	KIT,BB,COALE SL2,68X109 BB30/PF30	2017 SUPER X ONLY
		KP452/	KIT, COMPLETE BB, 119, Ai SUPER X	
		KP453	KIT, COMPLETE BB, 125, Ai SUPER X	
	10	KP450/	KIT, SPINDLE, 119, Ai SUPER X	
	10	KP451/	KIT, SPINDLE, 125, Ai SUPER X	
		KP484/X	KIT MTB, HOLLOWGRAM SPACERS ONLY	WITHOUT SPINDLE
MISC	--	KP218/	KIT,LOCTITE 609 W/ACTIVATOR	
	9B(2)	QC616/	KIT,CIRCLIP,BB-SI	
	8(2)	KB6180/	KIT,BEARING,BB-BB30	
	8(2), 9A(2)	KP197/	KIT,BEARING,BB-PF30	
	7(2)	KP249/BLK	KIT,BEARING SHIELD,BB-SL2	
	11	QC617/	KIT,SHIMS-PLASTIC, BB-SI; INCL 5 SHIMS	
	12	QC618/	KIT,WASHER-WAVE, BB-SI	
TOOLS/ ADAPTER		KP009/	KIT,ADAPTER,SIBB TO 68MM TAP	
		KP010/	KIT,ADAPTER,SIBB TO 73MM TAP	
		KT010/	KIT,TOOL-BB BEARING-SI;	Use w/ headset press to install bearings
		KT011/	KIT,TOOL - BEARING REMOVAL SI;	To remove si bottom bracket bearings
		KT012/	KIT,TOOL-LOCK RING-SI	
	16	KT013/	KIT,CRANK EXTRACTION TOOL; 2 PCS	
		KF365/	KIT,TOOL,SIBB/68 ADP.INSTALL	
		KF368/	KIT,TOOL,SIBB/73 ADP.INSTALL	
	KF366/	KIT,TOOL,SIBB ADAPTR EXTRACT		

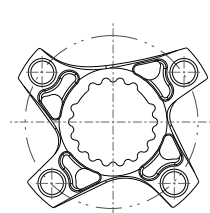
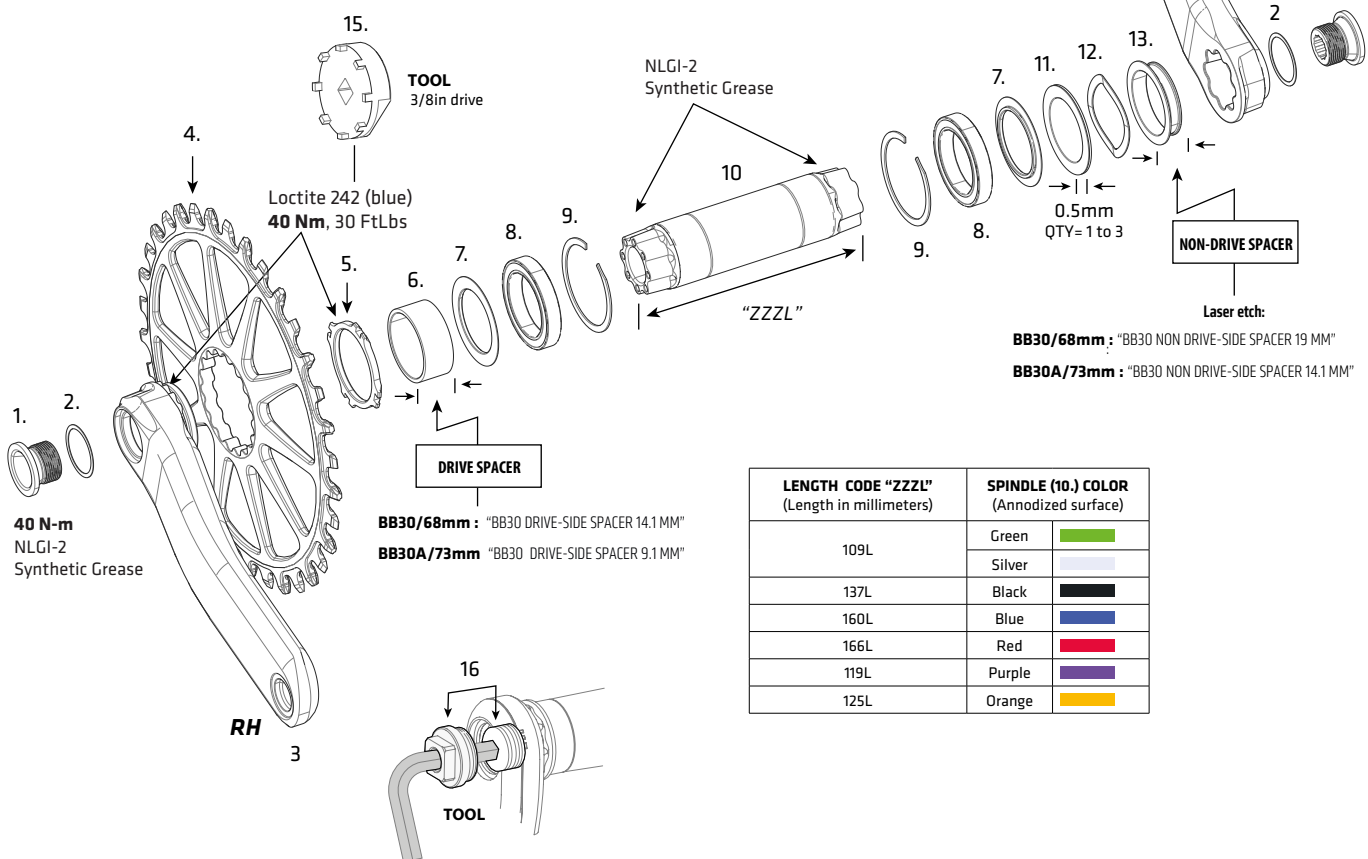


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YY=11(2011), 12 (2012)

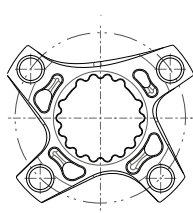
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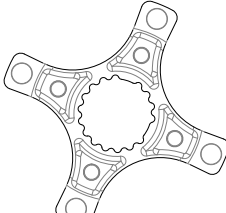
MONTH- L=JAN, F=FEB, K=MAR, E=APR, J=MAY,
D=JUN, I=JUL, C=AUG, H= SEPT, B=OCT, G=NOV, A=DEC



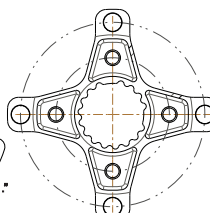
4A.
1X11
76 BCD
Ai 5mm CL offset



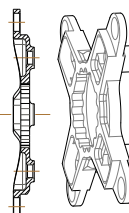
4F.
1X11
76 BCD
Ai 5mm CL offset



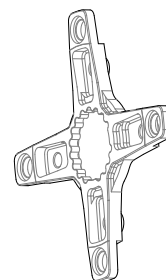
4C.
2X10
64 X 104 BCD



4E.
2X10
64X104 BCD
Ai 5mm CL offset



4D.
3X10
64 X 104 BCD



4B.
2X10
80 X 120 BCD

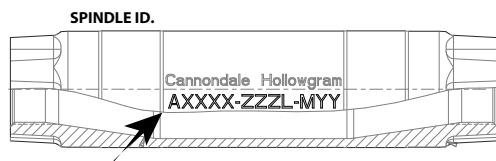
SI HOLLOWGRAM ROAD

Complete Cranksets

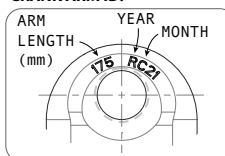
See the 2017 Cannondale Dealer Book for ordering information.

Individual Replacement and Service Parts

CRANKARMS	TYPE	DRIVE-SIDE CRANKARM - 3			NON-DRIVE CRANKARM - 14			
		SISL2	HOLLOWGRAM SI	CANNONDALE SI		SISL2	HOLLOWGRAM SI	CANNONDALE SI
	165mm	--	--	KP423/165R		--	--	KP423/165L
	170mm	KP246/170R	KP305/170R	KP423/170R		KP246/170L	KP305/170L	KP423/170L
	172mm	KP246/172R	KP305/172R	KP423/172R		KP246/172L	KP305/172L	KP423/172L
	175mm	KP246/175R	KP305/175R	KP423/175R		KP246/175L	KP305/175L	KP423/175L
CRANK BOLTS	1(2), 2(2)	KP251/BLK	KIT,CRANK BOLTS,H-GRAM SL2,(2)					
SPIDER RINGS	4	KP244/	KIT,SPIDER RINGS, 39/53			10 - arm		
		KP408/	KIT,SPIDER RINGS, 36/52			8 - arm		
		KP245/	KIT,SPIDER RINGS, 34/50			10 - arm		
		KP407/	KIT, SPIDER RINGS, 34/50			8- arm		
		CU4041SI40	KIT,SPIDER RING SL 40T			2017 SUPER X - 		
		CALL	KIT, SPIDER RING SL 50T			CAAD12 - 		
SPIDERS		KP137/	KIT,SPIDER,H-GRAM AERO, 130 BCD					
		QC694/	KIT,SPIDER,H-GRAM SI, 130 BCD					
		QC693/	KIT,SPIDER,H-GRAM SI, 110 BCD					
CHAIN RING BOLTS	20	KF360	KIT,BOLT,SI C-RING, MK4/5 ONLY					
SPIDER LOCK RING	5	KP021/	KIT,LOCKRING-SL			--REQUIRES KT012/ (Item 15)		
SPINDLE	1(2), 2(2), 6, 7(2) 8(2), 9A(2), 9B(2) 10, 11(3), 12, 13	KP248/	KIT,BB,COALE SL2,68X109 BB30/PF30					
		KP452/	KIT, COMPLETE BB, 119, Ai SUPER X			2017 SUPER X ONLY		
		KP453	KIT, COMPLETE BB, 125, Ai SUPER X			2017 SUPER X ONLY		
	10	KP450/	KIT, SPINDLE, 119, Ai SUPER X			2017 SUPER X ONLY - 		
	10	KP451/	KIT, SPINDLE, 125, Ai SUPER X			2017 SUPER X ONLY - 		
		KP483/X	KIT ROAD, HOLLOWGRAM SPACERS ONLY			WITHOUT SPINDLE		
MISC	--	KP218/	KIT,LOCTITE 609 W/ACTIVATOR					
	9B(2)	QC616/	KIT,CIRCLIP,BB-SI					
	8(2)	KB6180/	KIT,BEARING,BB-BB30					
	8(2), 9A(2)	KP197/	KIT,BEARING,BB-PF30					
	7(2)	KP249/BLK	KIT,BEARING SHIELD,BB-SL2					
	11	QC617/	KIT,SHIMS-PLASTIC, BB-SI; INCL 5 SHIMS					
	12	QC618/	KIT,WASHER-WAVE, BB-SI					
TOOLS/ ADAPTER		KP009/	KIT,ADAPTER,SIBB TO 68MM TAP					
		KP010/	KIT,ADAPTER,SIBB TO 73MM TAP					
		KT010/	KIT,TOOL-BB BEARING-SI;			Use w/ headset press to install bearings		
		KT011/	KIT,TOOL - BEARING REMOVAL SI;			To remove si bottom bracket bearings		
		KT012/	KIT,TOOL-LOCK RING-SI					
	16	KT013/	KIT,CRANK EXTRACTION TOOL; 2 PCS					
		KF365/	KIT,TOOL,SIBB/68 ADP.INSTALL					
		KF368/	KIT,TOOL,SIBB/73 ADP.INSTALL					
	KF366/	KIT,TOOL,SIBB ADAPTR EXTRACT						

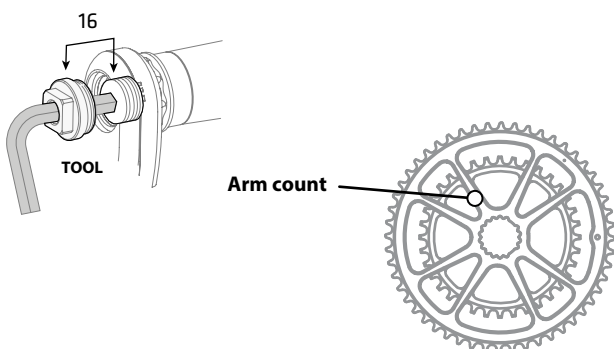
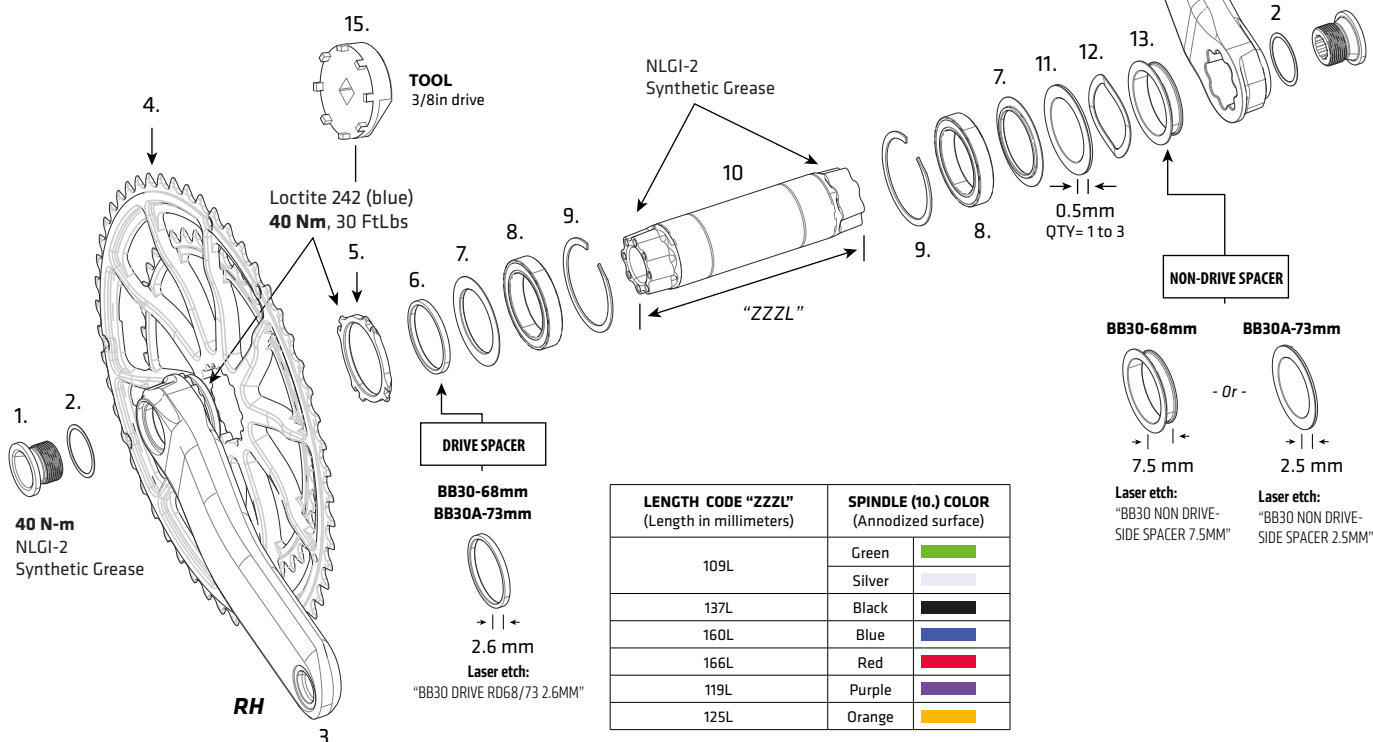
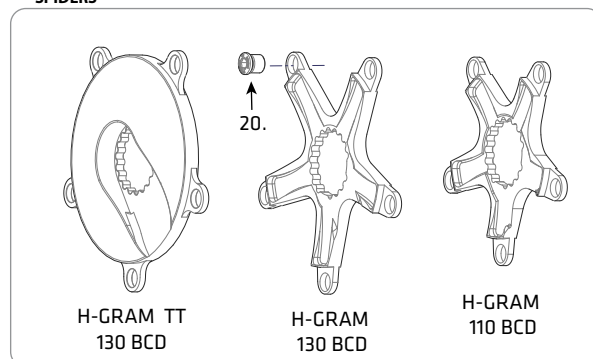


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LENGTH CODE - "ZZZL"
DATE CODE - "MYY"
M=A(JAN), B(FEB), ...,
YY=11(2011), 12 (2012)

CRANK ARM ID.

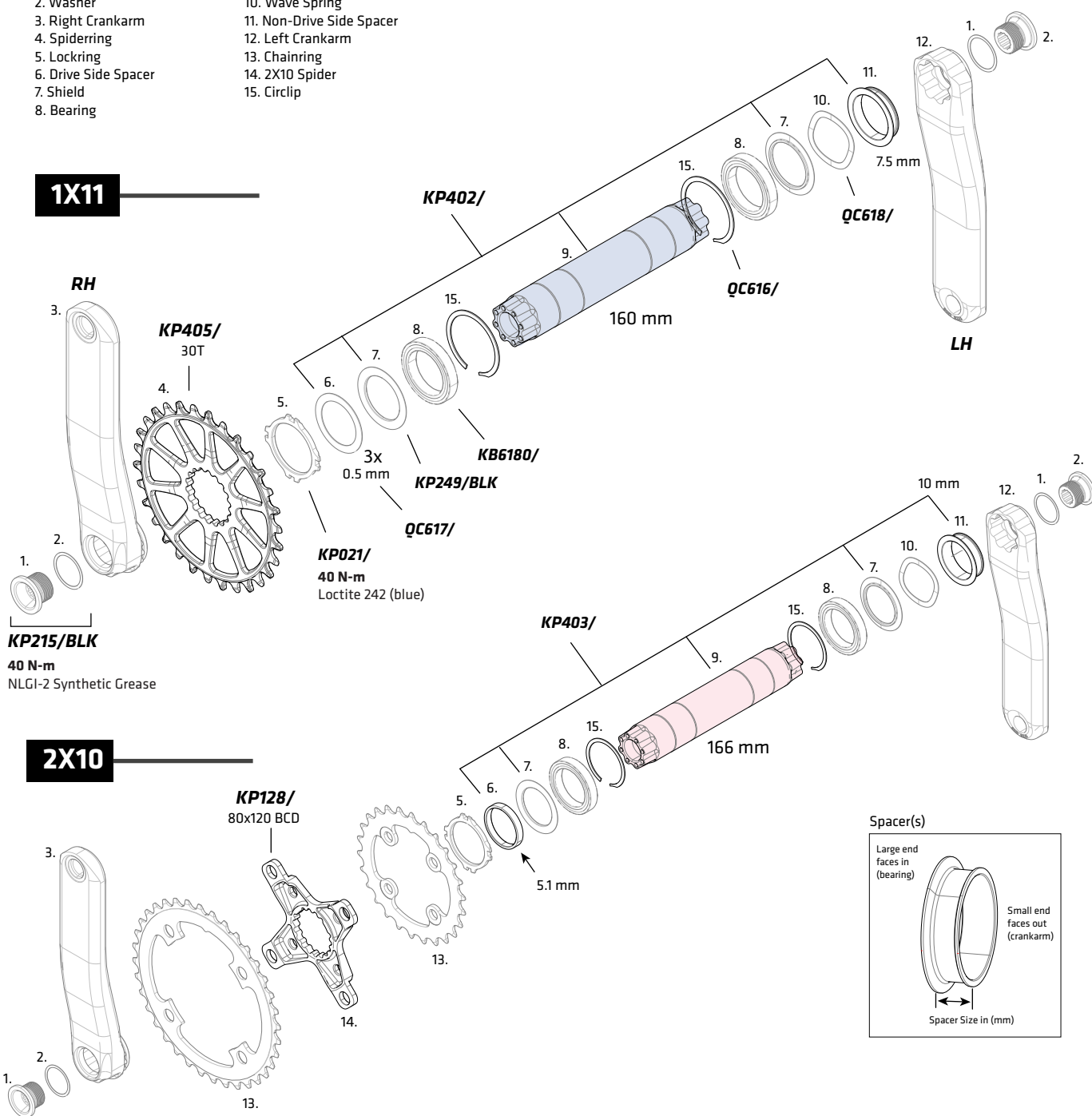
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K=2017, J=2018 H=2019

MONTH- L=JAN, F=FEB, K=MAR, E=APR, J=MAY,
D=JUN, I=JUL, C=AUG, H= SEPT, B=OCT, G=NOV, A=DEC

**SPIDERS**

SI HOLLOWGRAM FAT CAAD

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



NO.(QTY)	CODE	DESCRIPTION	COMMENT
6,7,9,11	KP402/	KIT, SPINDLE, BB30, FAT CAAD 1, 160MM	
6,7,9,11	KP403/	KIT, SPINDLE, BB30, FAT CAAD 2, 166MM	
4	KP405/	KIT, SPIDERRING, FAT CAAD 1, 30T	Use with 160mm spindle only!
5	KP021/	KIT, LOCKRING SL	Use service tool KT012/
8(2)	KB6180/	KIT, BEARING, BB-BB30	
7(2)	KP249/BLK	KIT, BEARING SHIELD, BB-SL2	
1(2), 2(2)	KP215/BLK	KIT, CRANK BOLTS, H-GRAM SL2, (2)	

See SI HOLLOWGRAM MTN for crankarms, items (3) and (12) and also SI HOLLOWGRAM service tools.

WHEEL SERVICE KITS

Complete Wheels 2017

The following wheel kits are fully assembled consisting of rim, spokes and hub. Additional installation of correct rim strip, tire/tube, and drive components (freewheels, cassettes, axles) will be required.

Mountain

MODEL	CODE FR: FRONT RR: REAR	DESCRIPTION	SPOKE				OFFSET AXLE
			NO.	TYPE	LENGTH (mm)		
					NON DRIVE	DRIVE	
F-Si Carbon 1 29	KA097/RR	Wheel Rear, CZero SL, 29, Ai, QR	28	Straight Pull	305	305	Al (6 mm) Quick Release
F-Si Carbon 1 27	KA098/RR	Wheel Rear, CZero SL, 27, Ai, QR	28	Straight Pull	285	285	Al (6 mm) Quick Release
F-Si Carbon 2 29	KA094/FR	Wheel Front, CZero MTB, 29, L60	28	Straight Pull	305	305	Lefty 60
	KA094/RR	Wheel Rear, CZero MTB, 29, Ai, QR	28	Straight Pull	305	305	Al (6 mm) Quick Release
F-Si Carbon 2 27.5 F-Si Carbon 2 Wmns	KA095/FR	Wheel Front, CZero MTB, 27, L60	28	Straight Pull	285	285	Lefty 60
	KA095/RR	Wheel Rear, CZero MTB, 27, Ai, QR	28	Straight Pull	285	285	Al (6 mm) Quick Release
F-Si Carbon 1 29 (front wheel only) Scalpel Si Carbon 1 29	KA088/FR	Wheel Front, CZero SL MTB, 29, L60	28	Straight Pull	305	305	Lefty 60
	KA088/RR	Wheel Rear, CZero SL MTB, 29, Ai 142x12	28	Straight Pull	305	305	Al (6 mm) 142 x 12
F-Si Carbon 1 27 (front wheel only) Scalpel Si Carbon 1 27"	KA089/FR	Wheel Front, CZero SL MTB, 27, L60	28	Straight Pull	285	285	Lefty 60
	KA089/RR	Wheel Rear, CZero SL MTB, 27, Ai 142x12	28	Straight Pull	285	285	Al (6 mm) 142 x 12
Scalpel Si Carbon 2 29	KA090/FR	Wheel Front, CZero MTB, 29, L60	28	Straight Pull	305	305	Lefty 60
	KA090/RR	Wheel Rear, CZero MTB, 29, Ai 142x12, XD	28	Straight Pull	305	305	Al (6 mm) 142 x 12
Scalpel Si Carbon 2 27	KA091/FR	Wheel Front, CZero MTB, 27, L60	28	Straight Pull	285	285	Lefty 60
	KA091/RR	Wheel Rear, CZero MTB, 27, Ai 142x12, XD	28	Straight Pull	285	285	Al (6 mm) 142 x 12
Scalpel Si Carbon 1 Wmns	KA092/FR	Wheel Front, CZero MTB, 27, L60	28	Straight Pull	285	285	Lefty 60
	KA092/RR	Wheel Rear, CZero MTB, 27, Ai 142x12	28	Straight Pull	285	285	Al (6 mm) 142 x 12
Habit Carbon 1	KA096/FR	Wheel Front, Hollowgram 30, L60	28	Straight Pull	280	278	Lefty 60
	KA096/RR	Wheel Rear, Hollowgram 30, 142x12, XD	28	Straight Pull	278	280	Al (6 mm) 142 x 12
Bad Habit Carbon 1	KA093/FR	Wheel Front, Hollowgram 40, L60	28	Straight Pull	283	283	Lefty 60
	KA093/RR	Wheel Rear, Hollowgram 40, Ai 148x12	28	Straight Pull	283	283	Al (3 mm) 148 x 12

Asymetric Integration, 6mm offset drive train

Road

MODEL	CODE FR: FRONT RR: REAR	DESCRIPTION	SPOKE				OFFSET AXLE	TIRE TYPE
			NO.	TYPE	LENGTH (mm)			
					NON DRIVE	DRIVE		
Synapse HM Disc Black Inc	KA099/FR	Wheel, Front, Hollowgram SiSL,QR	18	Straight Pull	294	278	Quick Release	tubular
	KA099/RR	Wheel, Rear, Hollowgram SiSL, QR	24	Straight Pull	297	297	Quick Release	tubular
Synapse HM Ult Supersix Evo HM Ult Supersix Evo HM Dura ace 2 Supersix EvoHM Sram Red eTAP	KA106/FR	Wheel, Front, Hollowgram Si, QR	18	J-Bend	280	280	Quick Release	clincher
	KA106/RR	Wheel, Rear, Hollowgram Si, QR	24	J-Bend	277	284	Quick Release	clincher
Synapse HM Disc Ult Di2 Synapse HM Disc Team Caad12 Disc Dura ace Caad12 Disc Force Supersix Evo HM Disc Ult Di2 (rear wheel only)	KA104/FR	Wheel, Front, Hollowgram Si, QR	24	Straight Pull	294	278	Quick Release	clincher
	KA104/RR	Wheel, Rear, Hollowgram Si, QR	28	Straight Pull	297	297	Quick Release	clincher
Super X Force 1 Supersix Evo HM Disc Ult Di2 (front wheel only)	KA105/FR	Wheel, Front, Hollowgram Si Disc, 100x12	24	Straight Pull	294	278	Thru axle - 100 x 12	clincher
	KA105/RR	Wheel, Rear, Hollowgram Si Disc, 142x12	28	Straight Pull	297	297	Al (6 mm) - Thru axle - 142 x 12	clincher

WHEEL SERVICE KITS

Hubs

Complete wheels hubs including axle

HUB	CODE FR: FRONT RR: REAR	DESCRIPTION	SPOKE	
			NO.	TYPE
C3 ROAD	KA100/FR	KIT, HUB FRONT, ROAD C3, 20H, QR	20	Straight Pull
C3 ROAD	KA100/RR	KIT, HUB REAR, ROAD C3, 24H, QR	24	
Hollowgram Si Rim brake	KA101/FT	Kit, Hub Front, Hollowgram Si, QR	18	
Hollowgram Si Rim brake	KA101/RR	Kit, Hub Rear, Hollowgram Si, QR	24	
Bad Habit Carbon 1	KA102/RR	KIT, HUB REAR, HOLLOWGRAM 40, 148x12	28	
Scalpel Si Carbon 3	KA103/RR	KIT, HUB REAR, SCALPEL Si 3, 142x12	28	

Spoke Kits

WHEEL	CODE	DESCRIPTION	SPOKE	
			LENGTH (mm)	TYPE
F-Si Carbon 1 29, Czero Road	KP488/305	KIT, SPOKE, DT AEROLITE, 305	305 mm	Straight Pull
F-Si Carbon 1 27	KP488/285	KIT, SPOKE, DT AEROLITE, 285	285 mm	
Czero Road	KP488/306	KIT, SPOKE, DT AEROLITE, 306	306 mm	
Hollowgram Road Disc Brake - Front - Drive Side	KP488/278	KIT, SPOKE, DT AEROLITE, 278	278 mm	
Hollowgram Road Disc Brake - Front - Non Drive Side	KP488/294	KIT, SPOKE, DT AEROLITE, 294	294 mm	
Hollowgram Road Disc Brake - Rear - Drive Side	KP488/298	KIT, SPOKE, DT AEROLITE, 298	298 mm	
Hollowgram Road Disc Brake - Rear - Non Drive Side	KP488/299	KIT, SPOKE, DT AEROLITE, 299	299 mm	
Hollowgram Road Rim Brake - Rear - Non Drive Side	KP495/277	KIT, SPOKE, HOLLOWGRAM Si, 277	277 mm	J-Bend
Hollowgram Road Rim Brake - Rear - Drive Side	KP495/284	KIT, SPOKE, HOLLOWGRAM Si, 284	284 mm	
Hollowgram Road Rim brake - Front - Drive and Non Drive Sides	KP495/280	KIT, SPOKE, HOLLOWGRAM Si, 280	280 mm	

Rims Brakes

WHEEL / BIKE	CODE	DESCRIPTION	NO. HOLES
All Czero SL MTB 29	KP497/29	RIM, CZERO SL MOUNTAIN, 29	28
All Czero SL MTB 27	KP497/27	RIM, CZERO SL MOUNTAIN, 27	
All Czero MTB 29	KP489/29	RIM, CZERO MOUNTAIN, 29	
All Czero MTB 27	KP489/27	RIM, CZERO MOUNTAIN, 27	
Bad Habit Carbon 1	KP490/	RIM, HOLLOWGRAM 40	
Habit Carbon 1	KP491/	RIM, HOLLOWGRAM MOUNTAIN, 27	
Czero Road	KP493/	RIM, CZERO ROAD	NA
Hollowgram Road Disc brake	KP492/	RIM, HOLLOWGRAM ROAD	NA
Hollowgram Road Rim brake	KP494/	Rim, Hollowgram Si Road	NA

Decal Kits

WHEEL	CODE	DESCRIPTION (include all colors)
All Czero SL MTB	KA111/	WHEEL STICKER PACK, CZERO SL MOUNTAIN
All Czero MTB	KA107/	WHEEL STICKER PACK, CZERO MOUNTAIN
All Hollowgram MTB	KA108/	WHEEL STICKER PACK, HOLLOWGRAM MTN
All Hollowgram Road Disc brake	KA109/	WHEEL STICKER PACK, HOLLOWGRAM ROAD
All Hollowgram Road Rim brake	KA110/	WHEEL STICKER PACK, HOLLOWGRAM SI

FREEHUB KITS

2017 Bikes

Model	Kit
Aggressor Expert	KP413/
Aggressor Expert Women	KP413/
Avalanche Comp	KP413/
Avalanche Comp Women	KP413/
Avalanche Elite	KP413/
Avalanche Elite Women	KP413/
Avalanche Sport	KP413/
Avalanche Sport Women	KP413/
Bad Boy 2	KP415/
Bad Boy 3	KP413/
Bad Boy 4	KP413/
Bad Habit 1	KP463/
Bad Habit 2	KP463/
Bad Habit Crb 2	NA
Beast of the East 1	KP463/
Beast of the East 2	KP463/
Beast of the East 3	KP459/
CAAD Optimo 105	KP415/
CAAD Optimo Disc 105	KP415/
CAAD Optimo Disc Tiagra	KP413/
CAAD Optimo Tiagra	KP415/
CAAD12 Disc 105	KP415/
CAADX 105	KP415/
CAADX Apex 1	KP415/
CAADX Tiagra	KP413/
Catalyst 1	KP413/
Contro 2	KP413/
Contro 3	KP413/
Cujo 1	NA
Cujo 2	NA
Cujo 3	NA
Fat CAAD 1	KP417/
Fat CAAD 2	KP465/
Fat CAAD 3	NA
Fireball SS	NA
Foray 1 Women	KP413/
F-Si 1 Women	KP413/
F-Si 2 Women	KP413/
F-Si Alloy 1	KP413/
F-Si Alloy 2	KP413/
F-Si Alloy 3	KP413/
F-Si Carbon 3	NA
F-Si Carbon 4	KP413/
F-Si Crb 2 Women	KP413/
Fury Pro	NA
Grade Al 105	KP415/
Grade Al 105 Women	KP415/
Grade Al Claris	KP413/
Grade Al Flat Bar Comp	KP413/
Grade Al Flat Bar Elite	KP413/
Grade Al Flat Bar Expert	KP413/
Grade Al Flat Bar Pro	NA
Grade Al Sora	KP413/
Grade Al Tiagra	KP413/

Grade Crb 105	KP418/
Grade Crb Flat Bar Expert	NA
Grade Crb Tiagra	KP418/
Grade CX	KP413/
Grade CX Force	KP418/
Grade CX Rival	KP418/
GTS Claris	KP413/
GTS Sora	KP413/
GTS Tiagra	KP413/
Habit 3	KP459/
Habit Al 4	KP459/
Habit Al 5	KP459/
Habit Al 6	KP459/
Habit Crb 1	KP461/
Habit Crb 2	KP414/
Habit Crb/Al 2	KP461/
Habit Crb/Al 3	KP414/
Habit Crb/Al SE	KP462/
Jekyll 27.5 Al 3	KP414/
Jekyll 27.5 Al 4	KP460/
Jekyll 27.5 Crb 2	KP462/
Karakoram Comp	KP413/
Karakoram Elite	KP413/
Karakoram Sport	KP413/
Nomad 1.0	KP413/
Nomad 2.0	KP413/
Nomad 3.0	NA
Outpost Comp	NA
Outpost Expert	KP413/
Outpost Sport	NA
Portside Cruiser	NA
Quick Althea 1	KP413/
Quick Crb 1	KP415/
Quick Crb 2	KP413/
Quick CX 2	KP413/
Quick CX 3	KP413/
Quick CX 4	KP413/
Quick Disc 1	KP415/
Quick Disc 3	KP413/
Quick Disc 5	KP413/
Sanction Comp	KP414/
Sanction Expert	KP414/
Sanction Pro	KP462/
Scalpel Si Alloy 2	KP460/
Scalpel Si Alloy 5	KP460/
Scalpel Si Carbon 4	KP414/
Scalpel Si Crb 2 Women	KP414/
Searcher 3	KP413/
Slate 105	KP464/
Slate Apex 1	NA
Slate Force 1	KP417/
Slate Ult	KP464/
Super Sport 2	KP413/
Supersix Evo Disc 105	KP415/
Supersix Evo Tiagra	KP415/

SuperX 105	NA
Synapse Al 105	KP415/
Synapse Al Disc 105	KP415/
Synapse Al Disc Tiagra	KP413/
Synapse Crb Disc 105	KP415/
Synapse Crb Disc Apex 1	KP415/
Synapse Crb Tiagra	KP415/
Tango 1 Women	KP413/
Tango 2 Women	KP413/
Touring 1	KP415/
Touring 2	KP415/
Traffic 1.0	KP413/
Traffic 1.0 Equipped	KP413/
Traffic 2.0	KP413/
Traffic 2.0 Equipped	KP413/
Traffic 3.0	NA
Traffic 3.0 Equipped	NA
Trail 1	KP413/
Trail 1 Women	KP413/
Trail 2	KP413/
Trail 2 Women	KP413/
Trail 3	KP413/
Trail 4	KP413/
Trail 5	KP413/
Trail 6	KP413/
Transeo 1.0	KP413/
Transeo 2.0	KP413/
Transeo 3.0	KP413/
Transeo 4.0	KP413/
Transeo 5.0	NA
Transeo 6.0	NA
Transeo W4L (x)	KP413/
Traveler	NA
Trigger 27.5 Al 3	KP414/
Trigger 27.5 Al 4	KP460/
Trigger 27.5 Crb 1	KP420/
Trigger 27.5 Crb 2	KP461/
Vantage F 1	KP413/
Vantage F 2	KP413/
Vantage F 2	KP413/
Vantage RX 1	KP418/
Vantage RX 2	KP413/
Verb Comp	KP413/
Verb Elite	KP413/
Verb Expert	KP413/
Zaskar Comp	KP413/
Zaskar Comp Women	KP413/
Zaskar Crb Comp	NA
Zaskar Crb Elite	NA
Zaskar Crb Expert	NA
Zaskar Crb Pro SRAM	NA
Zaskar Elite	KP418/
Zaskar Sport	KP413/
Zaskar Sport Women	KP413/

FREEHUB KITS

2016 Bikes

Model	Kit
Aggressor Expert (Hydr)	KP413/
Althea 2	KP413/
Avalanche	KP413/
Avalanche Comp	KP413/
Avalanche Comp Women	KP413/
Avalanche Disc Women	KP413/
Avalanche Elite	KP413/
Avalanche Elite Women	KP413/
Avalanche Expert	KP413/
Avalanche Sport	KP413/
Bad Boy 2	KP413/
Bad Boy 3	KP413/
Bad Boy 4	KP413/
Bad Habit 1	KP463/
Bad Habit 2	KP460/
Beast of the East 1	KP463/
Beast of the East 2	KP463/
Beast of the East 3	KP459/
Bump 26	KP413/
CAAD10 6 Tiagra Women	KP415/
CAAD12 105 Disc	KP415/
CAAD8 105 5	KP415/
CAAD8 Tiagra 6	KP415/
CAADX 105	KP415/
CAADX Tiagra	KP413/
CAADX Ultegra	KP415/
Catalyst 1	KP413/
Contro 3	KP413/
Contro 4	KP413/
Fastback 3	KP413/
Fat Caad 1	KP417/
Fat Caad 2	KP465/
Foray 1	KP413/
F-Si Alloy 1	KP413/
F-Si Alloy 1 Women	KP413/
F-Si Alloy 2	KP413/
F-Si Alloy 2 Women	KP413/
F-Si Alloy 3	KP413/
F-Si Carbon 2 Women	KP413/
F-Si Carbon 4	KP413/
Fury Elite	KP414/
Grade Alloy 105	KP415/
Grade Alloy 105 Women	KP415/
Grade Alloy Claris	KP413/
Grade Alloy Claris Women	KP413/
Grade Alloy Flat Bar 105	KP415/
Grade Alloy Sora	KP413/
Grade Alloy Sora Women	KP413/
Grade Alloy Tiagra	KP413/
Grade Alloy X	KP418/
Grade Carbon 105	KP418/
Grade Carbon Flat Bar Tiagra	KP413/

Grade Carbon FORCE	KP418/
Grade Flar Bar Comp	KP413/
Grade Flar Bar Elite	KP413/
Grade Flar Bar Expert	KP413/
GTS Claris Sport Women	KP413/
GTS Comp Sora	KP413/
GTS Expert Tiagra	KP413/
GTS Sport Claris	KP413/
Habit 2	KP461/
Habit 3	KP414/
Habit 4	KP459/
Habit 5	KP459/
Habit 6	KP459/
Habit Alloy 2 Women	KP459/
Habit Carbon 1 Women	KP414/
Habit SE	KP462/
Jekyll 27.5 Alloy 3	KP414/
Jekyll 27.5 Alloy 4	KP460/
Jekyll 27.5 Carbon 2	KP462/
Karakoram Comp	KP413/
Karakoram Elite	KP413/
Karakoram Expert	KP413/
Karakoram Sport	KP413/
Nomad 1.0	KP413/
Nomad 2.0	KP413/
Nomad 2.0 Women	KP413/
Outpost Expert	KP413/
Outpost Expert Women	KP413/
Passage 1.0	KP413/
Passage 1.0 Women	KP413/
Quick Carbon 1	KP415/
Quick Carbon 2	KP413/
Quick CX 1	KP413/
Quick CX 2	KP413/
Quick CX 3	KP413/
Quick CX 4	KP413/
Quick Speed 1	KP413/
Quick Speed 1 Women	KP413/
Quick Speed 2	KP413/
Quick Speed 2 Women	KP413/
Ricochet Comp 29r	KP413/
Ricochet Sport 27.5	KP413/
Ricochet Sport Women	KP413/
Sanction Expert	KP414/
Scalpel 29 Alloy 4	KP459/
Scalpel 29 Carbon 2	KP417/
Scalpel 29 Carbon 3	KP460/
Scalpel Si Alloy 1	KP460/
Scalpel Si Carbon 4	KP414/
Searcher 3	KP413/
Slate 105	KP464/
Slate Force	KP417/
Slate Ultegra	KP464/
Super Sport 2	KP413/

Super X 105	KP415/
Super X Rival	KP415/
Supersix Evo Tiagra 6	KP415/
Synapse Alloy 105 5	KP415/
Synapse Alloy 105 5 Women	KP415/
Synapse Alloy Adv	KP415/
Synapse Alloy Tiagra 6	KP413/
Synapse Alloy Tiagra 6 Women	KP415/
Synapse Carbon Women	KP415/
Synapse Disc 105 5 Women	KP415/
Synapse SM Disc 105	KP415/
Synapse SM Tiagra 6	KP415/
Talera 3.0	KP413/
Talera 3.0 Women	KP413/
Talera 4.0	KP413/
Talera 4.0 Women	KP413/
Timberline Expert (Hydr)	KP413/
Touring 1	KP415/
Touring 2	KP415/
Traffic 1.0	KP413/
Traffic 2.0	KP413/
Traffic Elite	KP413/
Traffic Expert	KP413/
Trail 2	KP413/
Transeo 1.0	KP413/
Transeo 2.0	KP413/
Transeo 2.0 Women	KP413/
Transeo 3.0	KP413/
Transeo 3.0 Women	KP413/
Transeo 4.0	KP413/
Transeo 4.0 Women	KP413/
Trigger 27.5 Alloy 3	KP414/
Trigger 27.5 Alloy 4	KP460/
Trigger 27.5 Carbon 1	KP420/
Trigger 27.5 Carbon 2	KP461/
Vantage F1	KP413/
Vantage F2	KP413/
Vantara Comp	KP413/
Vantara Comp Women	KP413/
Verb Comp	KP413/
Verb Elite	KP413/
Verb Expert	KP413/
Zaskar 27.5 Comp	KP413/
Zaskar 27.5 Elite	KP418/
Zaskar 27.5 Sport	KP413/
Zaskar 29r Comp	KP413/
Zaskar 29r Sport	KP413/
Zaskar Carbon Elite	KP459/
Zaskar Carbon Elite X	KP459/
Zaskar Comp Women	KP413/
Zaskar X 27.5 Comp	KP413/
Zaskar X 27.5 Elite	KP418/
Zaskar X 27.5 Sport	KP413/

FREEHUB KITS

2015 Bikes

Model	Kit
Aggressor (XS) - 26	KP413/
Aggressor Comp	NA
Aggressor Disc (XS) - 26	NA
Aggressor Expert	KP413/
Aggressor Expert (Hydr)	KP413/
Aggressor Sport	KP413/
Althea 2	KP413/
Avalanche Comp	KP413/
Avalanche Elite	KP413/
Avalanche Expert	KP413/
Avalanche Sport	KP413/
Backwoods Comp	KP413/
Backwoods Elite	KP413/
Backwoods Expert	KP413/
Backwoods Sport	KP413/
Bad Boy 2	KP413/
Bad Boy 29'er	KP413/
Bad Boy 4	KP413/
CAAD8 105 5 C	KP415/
CAAD8 Tiagra 6 C	KP413/
CAAD8 Tiagra 6 T	KP413/
CAAD8 Tiagra CJ	KP413/
CAADX 105	KP415/
CAADX Sram	KP415/
CAADX Tiagra Disc	KP413/
F27 Alloy 5	KP413/
F29 Alloy 5	KP413/
F29 Carbon 4	KP413/
Fastback 2	KP413/
Fastback 3	KP413/
Fastback 3 WMS	KP413/
Fastback RX	KP413/
F-Si 29 Carbon 2	KP417/
Grade Alloy 105	KP415/
Grade Alloy Claris	KP413/
Grade Alloy Sora	KP413/
Grade Alloy Tiagra	KP413/
Grade Alloy X	KP418/
Grade Carbon 105	KP418/
Helion Comp	KP413/
Helion Elite	KP413/
Jekyll 27.5 Alloy 4	KP414/
Karakoram Comp	KP413/
Karakoram Elite	KP413/
Karakoram Expert	KP413/
Karakoram Sport	KP413/
Quick Carbon 1	KP413/
Quick CX 4	KP413/
Rush 29 1	KP413/
Rush 29 2	KP413/
Rush 29 3	KP413/
Scalpel 29 Alloy 4	KP414/

Scalpel 29 Carbon 2	KP417/
Sensor AL Comp	KP418/
Sensor AL Elite	KP418/
Synapse 105 5 Disc C	KP415/
Synapse Adv Disc Women	KP415/
Synapse Alloy Women 105 5 C	KP415/
Synapse Disc Women 105 5 C	KP415/
Synapse Ltd. (Sram) Disc C	KP415/
Synapse Tiagra Disc 6 C	KP413/
Synapse Tiagra Disc 6 T	KP413/
Tachyon Comp	NA
Tachyon Elite	NA
Tachyon Expert	KP413/
Tango SL 29 1	KP413/
Tango SL 29 2	KP413/
Tango SL 29 3	KP413/
Timberline Comp	KP413/
Timberline Expert	KP413/
Timberline Expert (Hydr)	KP413/
Trail 2	KP413/
Trail SL 1	KP413/
Trail SL 2	KP413/
Trail SL 29 SS	KP413/
Trail SL 29 Women's 3	KP413/
Transeo 1.0	KP413/
Transeo 2.0	KP413/
Transeo 2.0 Ladies	KP413/
Transeo 3.0	KP413/
Transeo 3.0 Ladies	KP413/
Transeo 4.0	KP413/
Transeo 4.0 Ladies	KP413/
Transit 2	KP413/
Trigger 27.5 Alloy 4	KP414/
Zaskar 650B Comp	KP413/
Zaskar 650B Elite	KP418/
Zaskar 650B Sport	KP413/

CZERO HOLLOWGRAM FREEHUB KITS

2016 Bikes

DESCRIPTION	WHEEL NAME	FREEHUB BODY KIT #
F-Si Carbon 29 2	CZERO Mountain	KP468/
Scalpel 29 Carbon Race	CZERO Mountain	KP468/
Habit 1	CZERO Mountain	KP468/
Wmns F-Si Carbon 1	CZERO Mountain	KP467/
Synapse HM Disc Black Inc	Hollowgram SL	DT Swiss
Synapse HM Disc Red	Hollowgram	KP416/
Synapse HM Disc Ult	CZERO Road	KP416/

2017 Bikes

DESCRIPTION	WHEEL NAME	FREEHUB BODY KIT #
F-Si Carbon 1 Scalpel Si Carbon 1	CZERO SL	KP467/
F-Si Carbon 2	CZERO Mountain	KP467/
Scalpel Si Carbon 2	CZERO Mountain	KP468/
Habit Carbon 1	Hollowgram 30	KP468/
Bad Habit Carbon 1	Hollowgram 40	KP467/
Wmns Scalpel Si Carbon 1	CZERO Mountain	KP468/
Wmns F-Si Carbon 1	CZERO Mountain	KP467/
Synapse HM Disc Black Inc	Hollowgram SL	DT Swiss
Synapse HM Disc Black Inc	Hollowgram SL	DT Swiss
Super X Force 1	Hollowgram Si	KP416/
Synapse HM Ult	Hollowgram 3	KP488/
Supersix Evo HM Ult		
Supersix Evo HM Dura ace 2		
Supersix EvoHM Sram Red eTAP		

REAR DERAILLEUR HANGER KITS

BIKE MODEL	MODEL YEAR	CODE
ADVENTURE 1	2009	KF051/
ADVENTURE 2	2009	KF051/
ADVENTURE 2 MIXTE	2009	KF051/
ADVENTURE 3	2009	KF051/
ADVENTURE 3 MIXTE	2009	KF051/
ADVENTURE 4	2009	KF051/
ADVENTURE 4 MIXTE	2009	KF051/
BAD BOY	2017	KP 255 /W DER. CK3327U000S / W Beltdrive
BAD BOY 2	2014	KP048/
BAD BOY 6	2014	KP048/
BAD BOY 7	2014	KP048/
BAD BOY 8	2012	NA
BAD BOY 8	2014	NA
BEAST OF THE EAST	2016	KP419/
CAAD 12	2016/17	KP255/
CAAD OPTIMA	2017	KP158/
CAAD 10	2011	KP158/
CAAD 10	2012	KP158/
CAAD 10	2013	KP158/
CAAD 10	2014	KP158/
CAAD 10 WMN	2012	KP158/
CAAD 10 WMN	2013	KP158/
CAAD 10 WMN	2014	KP158/
CAAD 8	2010	KP158/,KP255/, KF096
CAAD 8	2011	KP158/,KP255/, KF096/
CAAD 8	2012	KP158/,KP255/, KF096/
CAAD 8	2013	KP158/,KP255/, KF096/
CAAD 8	2014	KP158/,KP255/, KF096/
CAAD 9	2009	KF096/
CAAD 9	2010	KF096/
CAAD X	2011	KP158/
CAAD X	2012	KP158/
CAAD X	2013	KP158/
CAAD X	2014	KP158/
CAAD X DISC	2013	KP158/
CAAD X DISC	2014	KP158/
CAFFEINE	2009	KF051/
CAFFEINE	2009	KF051/
CAFFEINE 29	2009	KF051/
CHASE 1 & 2	2009	KF051/
CHASE 3	2009	KF051/
CLAYMORE	2011	KP173/
CLAYMORE	2012	KP173/
CLAYMORE	2013	KP173/
CONTRO E	2016/17	KP356/ (fixed) KP357/ w/ der.)

BIKE MODEL	MODEL YEAR	CODE
CX 9	2009	A239X/EB0
CX 9	2010	A239X/EB0
F26 ALLOY	2013	KP048/
F26 CARBON	2013	KP121/
F29 ALLOY	2013	KP121/
F29 ALLOY	2014	KP121/
F29 CARBON	2013	KP121/
F29 CARBON	2014	KP121/
F5	2009	KF051/
F6	2009	KF051/
FAT CAAD	2016/17	KP173/
FLASH 29ER ALLOY	2010	KP048/
FLASH 29ER ALLOY	2012	KP121/
FLASH 29ER CARBON	2011	KP121/
FLASH 29ER CARBON	2012	KP121/
FLASH ALLOY	2010	KP048/
FLASH ALLOY	2011	KP048/
FLASH ALLOY	2012	KP121/
FLASH ALLOY WMN	2010	
FLASH ALLOY WMN	2011	KP048/
FLASH CARBON	2010	KP121/
FLASH CARBON	2011	KP121/
FLASH CARBON	2012	KP121/
F-SI 29ER CARBON / ALLOY	2016/17	KP121/
HABIT / BAD HABIT CARBON / ALLOY	2016/17	KP381/
HOOLIGAN	2013	KP093/
HOOLIGAN	2014	KP093/
JEKYLL ALLOY / CARBON	2011	KP173/ (142mm), KP174 (135mm)
JEKYLL ALLOY / CARBON	2012	KP173/ (142mm), KP174 (135mm)
JEKYLL ALLOY / CARBON	2013	KP173/ (142mm), KP174 (135mm)
JEKYLL ALLOY / CARBON	2014	KP173/ (142mm), KP174 (135mm)
JEKYLL ALLOY / CARBON	2015/16/17	KP173/ (142mm), KP174 (135mm)
JUDGE	2009	QC750/
LEXI	2011	KF051/
MONTERRA / LT	2017	KP173/
MOTO ALLOY	2009	KP078/ - QR KP079/ - THRU AXLE
MOTO ALLOY	2010	KP078/ - QR KP079/ - THRU AXLE
MOTO CARBON	2009	KP078/ - QR KP079/ - THRU AXLE
MOTO CARBON	2010	KP078/ - QR KP079/ - THRU AXLE

REAR DERAILLEUR HANGER KITS

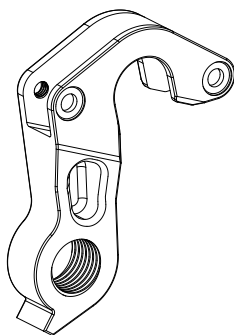
BIKE MODEL	MODEL YEAR	CODE
MOUNTAIN TANDEM	2009	KF051/
MOUNTAIN TANDEM	2010	KF051/
PERP	2009	QC750/
QUICK CX 2	2014	KF096/
QUICK CX 3	2014	KF096/
QUICK SPEED 1	2012	KF096/
QUICK SPEED 1	2013	KP255/
QUICK SPEED 1	2014	KF096/
QUICK SPEED 2	2014	KF096/
QUICK SPEED 2 WMN	2014	KF096/
QUICK ULTIMATE	2010	KF096/
RIZE ALLOY	2009	KF051/
RIZE ALLOY WMN	2009	KF051/
RIZE CARBON	2009	KF051/
ROAD TANDEM	2009	KF051/
ROAD TANDEM	2010	KF051/
RUSH 29	2014	KP284/
RUSH ALLOY	2009	KF051/
RUSH ALLOY WMN	2009	KF051/
RUSH CARBON	2009	KF051/
RUSH CARBON	2010	KF051/
RZ 120	2010	KF051/
RZ 120	2011	KF051/
RZ 120	2012	KP048/
RZ 120	2013	KP048/
RZ 120 WMN	2010	KF051/
RZ 140 ALLOY	2010	KF051/
RZ 140 ALLOY WMN	2010	KF051/
RZ 140 CARBON	2010	KF051/
SCALPEL Si	2017	KP432/
SCALPEL 26 ALLOY	2009	KP048/
SCALPEL 26 ALLOY	2010	KP048/
SCALPEL 26 ALLOY WMN	2009	KP048/
SCALPEL 26 ALLOY WMN	2010	KP048/
SCALPEL 26 CARBON	2009	KP048/
SCALPEL 26 CARBON	2010	KP048/
SCALPEL 26 CARBON	2011	KP121/
SCALPEL 26 CARBON	2012	KP121/
SCALPEL 26 CARBON	2013	KP121/
SCALPEL 29 ALLOY	2012	KP173/
SCALPEL 29 ALLOY	2013	KP173/
SCALPEL 29 ALLOY	2014	KP173/
SCALPEL 29 CARBON	2012	KP173/
SCALPEL 29 CARBON	2013	KP173/
SCALPEL 29 CARBON	2014	KP173/
SIX CARBON	2009	KF096/

BIKE MODEL	MODEL YEAR	CODE
SIX CARBON	2010	KF096/
SLATE	2016/17	KP419/
SLICE	2009	KF096/
SLICE	2010	KF096/
SLICE	2011	KF096/
SLICE	2012	KF096/
SLICE	2013	KF096/
SLICE	2014	KF096/
SLICE MULTISPORT	2015/16/17	KP255/
SLICE RS	2013	KP276/
SLICE RS	2014	KP276/
SLICE WMN	2012	KF096/
SLICE WMN	2013	KF096/
STREET CONQUEST	2009	KF051/
STREET CONQUEST MIXTE	2009	KF051/
STREET CONQUEST NEXUS	2009	KF051/
STREET CONQUEST NEXUS WMN	2009	KF051/
STREET LIGHT	2009	KF051/
STREET LIGHT WMN	2009	KF051/
STREET PRESTIGE	2009	KF051/
STREET PRESTIGE WMN	2009	KF051/
STREET SPORT	2009	KF051/
STREET SPORT MIXTE	2009	KF051/
STREET SPORT NEXUS	2009	KF051/
STREET SPORT NEXUS WMN	2009	KF051/
STREET ULTRA	2009	KF051/
STREET ULTRA WMN	2009	KF051/
SUPER X	2011	KP158/
SUPER X	2012	KP158/
SUPER X	2013	KP158/
SUPER X	2014	KP158/
SUPER X	2017	KP419/
SUPER X DISC	2013	KP158/
SUPER X DISC	2014	KP158/
SUPERSIX	2009	KF096/
SUPERSIX	2010	KF096/
SUPERSIX	2011	KF096/
SUPERSIX	2012	KF096/
SUPERSIX	2013	KF096/
SUPERSIX EVO	2012	KP158/
SUPERSIX EVO	2013	KP158/
SUPERSIX EVO	2014-16	KP158/
SUPERSIX EVO (Disc & Rim)	2017	KP396/
SUPERSIX EVO WMN	2013	KP158/
SUPERSIX EVO WMN	2014	KP158/

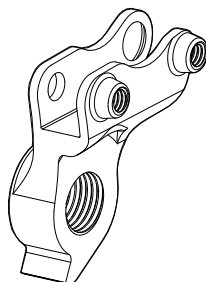
REAR DERAILLEUR HANGER KITS

BIKE MODEL	MODEL YEAR	CODE
SUPERSIX WMN	2011	KF096/
SUPERSIX WMN	2012	KF096/
SUPERSIX WMN	2013	KF096/
SYNAPSE ALLOY	2009	KF096/
SYNAPSE ALLOY	2010	KF096/
SYNAPSE ALLOY	2011	KF096/
SYNAPSE ALLOY	2011	KF096/
SYNAPSE ALLOY	2013	KF096/,KP255/
SYNAPSE ALLOY	2014	KF096/,KP255/
SYNAPSE ALLOY DISC	2014	KF096/,KP255/
SYNAPSE ALLOY WMN	2009	KF096/,KP255/
SYNAPSE ALLOY WMN	2010	KF096/,KP255/
SYNAPSE ALLOY WMN	2011	KF096/,KP255/
SYNAPSE ALLOY WMN	2012	KF096/,KP255/
SYNAPSE ALLOY WMN	2013	KF096/,KP255/
SYNAPSE ALLOY WMN	2014	KF096/,KP255/
SYNAPSE CARBON	2009	KF096/
SYNAPSE CARBON	2010	KF096/
SYNAPSE CARBON	2011	KF096/
SYNAPSE CARBON	2012	KF096/
SYNAPSE CARBON	2013	KP158/
SYNAPSE CARBON	2014	KP158/
SYNAPSE CARBON DISC	2014	KP158/
SYNAPSE CARBON WMN	2009	KF096/
SYNAPSE CARBON WMN	2010	KF096/
SYNAPSE CARBON WMN	2011	KF096/
SYNAPSE CARBON WMN	2012	KF096/
SYNAPSE CARBON WMN	2013	KP158/
SYNAPSE CARBON WMN	2014	KP158/
TRAIL	2011	KP048/
TRAIL	2012	KP048/
TRAIL	2013	KP048/
TRAIL	2014	KP048/
TRAIL 29	2013	KP048/
TRAIL 29	2014	KP284/
TRIGGER 26 CARBON	2013	KP121/
TRIGGER 26 CARBON	2014	KP121/
TRIGGER 29 ALLOY	2013/14	KP173/
TRIGGER 29 ALLOY	2015/16	KP173/
TRIGGER 29 CARBON	2015/16	KP173/
TRIGGER 27.5 CARBON /ALLOY	2015/16/17	KP173/

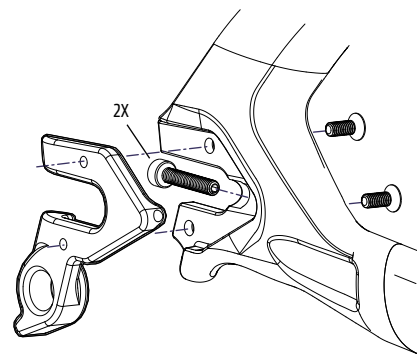
REAR DERAILLEUR HANGER KITS



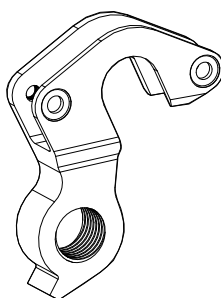
KP121/ - KIT, DER. HANGER, FLASH CRB



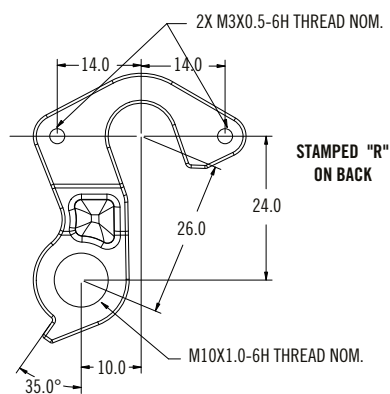
KP173/ - KIT, DER. HANGER, SI12



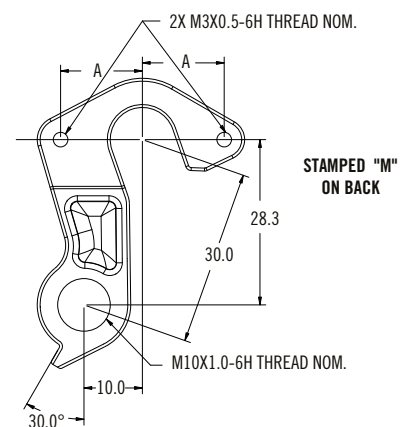
KP276/ - KIT, DER. HANGER, SLICE RS



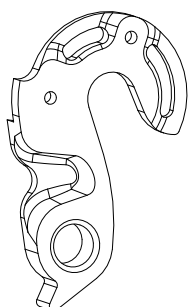
KP158/ - KIT, DER. HANGER, RD CAAD10



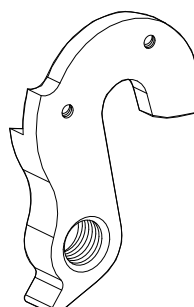
KP255/ - KIT, DER. HANGER, SINGLE SIDED RD2



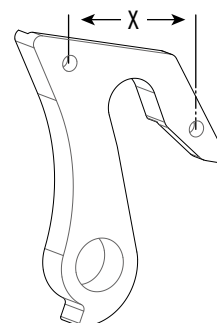
KP284/ - KIT, DER. HANGER, SINGLE SIDED MTN2
(A = 2 x 14 mm)



KP048/ - KIT, DER. HANGER, SINGLE SIDED 3



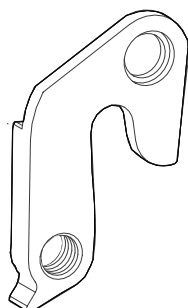
KF096/ - KIT, DER. HANGER, SINGLE SIDED RD



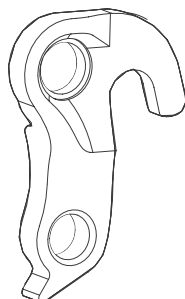
KP093/ - KIT, DER. HANGER, BAD BOY
(X = 30.55 mm)

KP093/B - KIT, DER. HANGER, BAD BOY
(X = 26.3 mm)

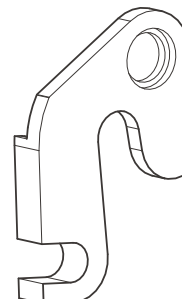
REAR DERAILLEUR HANGER KITS



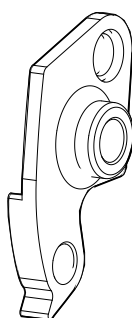
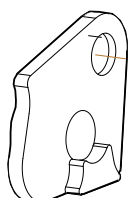
KF051/ - KIT, DER. HANGER, SINGLE SIDED 2



KF033/ - KIT, DER. HANGER, S1 EARLY SCAPEL

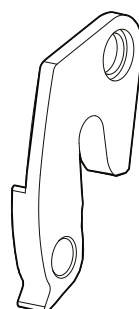
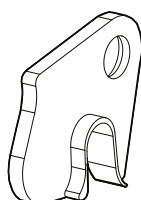


KF356/ - KIT, DER. HANGER, BOTTLE OPENER



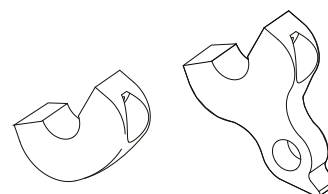
KP079/ - KIT, DER. HANGER, MOTO - MAXLE

MOTO CARBON, MOTO ALLOY



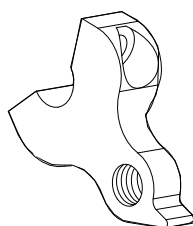
KP078/ - KIT, DER. HANGER, MOTO - QR

MOTO CARBON, MOTO ALLOY



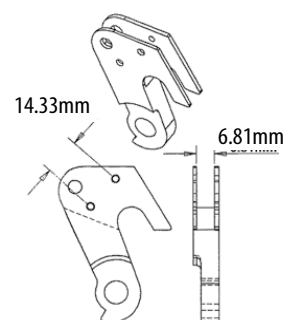
QC750/ - KIT, DER. HANGER, JUDGE/PERP

JUDGE, PERP



KF077/ - KIT, DER. HANGER, GEMINI TRU 12

GEMINI, GEMINI DH,
PROPHET 4X, PROPHET MX



A239X/EBO - KIT, DER. HANGER, MTN.

CAAD2, CAAD3, CAAD4, CAAD5, Cross CAAD9 ,
Optimo, Super-V, Raven, Jekyll to 2004,
Touring, Hybrid, DAYTRIPPER

KP180/

KP189/

FHCS
M4X16

BHCS
M5X16

HEADSHOK / LEFTY SERVICE AND KITS

SERVICE

OFFICIAL EUROPEAN HEADSHOK / LEFTY SERVICE CENTERS	47
TROUBLESHOOTING	48
MAINTENANCE SCHEDULE	49
LEFTY IDENTIFICATION (2005-2017)	50
FATTY/SOLO IDENTIFICATION (DLR 80/DL 50)	51
LEFTY SERIAL NUMBER SYSTEM	52
WARRANTY COVERAGE	53
DAMPING CARTRIDGE BASICS	54-55
UPGRADE COMPATIBILITY	56-57

2017 KIT LIST

LEFTY OLAF-PBR 100-26" FAT	58-59
SUPERMAX 2.0-PBR 160-27.5"	60-61
SUPERMAX 2.0-PBR 140-27.5"	62-63
LEFTY 2.0-PBR/XLR 100 29"	64-65
LEFTY 2.0-PBR/XLR 100 27.5"	66-67
LEFTY 2.0-PBR/XLR 120 29"/27.5+"	68-69
LEFTY 2.0-PBR/XLR 120 27.5"	70-71
LEFTY 2.0-PBR/XLR 130 27.5"	72-73
LEFTY OLIVER-PBR 30 650B	74-75
FATTY-DL 50	76-77
SOLO-DL 50	77-77
FATTY DLR 80	78-79
LEFTY DECAL KITS	80
LEFTY DECALS PLACEMENT	881
LEFTY WHEEL HUB AND BRAKE ADAPTERS	82-83
HEADSHOK STEMS/STEERERS	84-85

TECHNICAL INFO

MANUAL RESET	86
BRAKE ROUTING	87
LEFTY ALTERNATE BRAKE LINE ROUTING	88
AIR PRESSURES	89
LEFTY 2.0 OIL CYLINDER ADAPTER INSTRUCTIONS	90-91
COMMON SHOP SERVICE TOOLS	92

KP182/

FHCS
M4X8

QC616/

KP018/
KB6180/



OFFICIAL EUROPEAN HEADSHOK / LEFTY SERVICE CENTERS

AUSTRIA Eighty aid Austria Holzham 22 Westendorf 6363 tel: 0043 664 423 88 78 www.eighty-aid.com austria@eighty-aid.com	GERMANY Eighty aid Germany Leistenstr. 3 Wuerzburg 97082 tel: 0049 931 783250 www.eighty-aid.com help@eighty-aid.com	FRANCE Doc Headshok 1299 Chemin des Nartettes 83400 Hyeres tel: +33 (0) 494 064 362 www.doc-headshok.com info@doc-headshok.com
SWITZERLAND Eighty aid Switzerland Schlossmuehlestrasse 9 Frauenfeld 8500 tel: 0041 527 224 555 www.eighty-aid.com switzerland@eighty-aid.com	ITALY Cyclisme Via Salaria Vecchia 18 Osteria Nuova Di Scandriglia 2038 info@cyclisme.it	FRANCE Fast Suspension PA Les Landes de Penthievre 22640 PLESTAN tech@fast-suspension.com www.fast-suspension.com
UNITED KINGDOM TFT 14 Kingdom Avenue Northacre Ind. Park Westbury BA13 4EW tel: 0044 (0)1373 826800 www.tftunedshox.com service@tftunedshox.com	SPAIN PORTUGAL ANDORRA LPV Azinhaga da Fonte N17 Sala J 1500-183 Lisboa tel: +351 210 995 983 info@lvpbiketechology.com	SPAIN PORTUGAL ANDORRA Racing Shox POLIGONO SOROXARTA 20303 IRUN tel: +34 943 22 48 11 racingshox@racingshox.com
ITALY Fluid Works Suspension Service Via Lungo Gogna 45 Schio -VI- tel: 0445220071 www.fluidworkssuspension.com info@fluidworkssuspension.com	SCANDINAVIA Headshok service center scandinavia Vedelsgade 117a 7100 Vejle Denmark tel: +4540582969 http://hssc.dk service@hssc.dk	

TROUBLESHOOTING

SYMPTOM	CAUSE	SOLUTION
Not locking out, usually accompanied by no rebound adjustment	Leaking oil from damper	Bleed or replace damper
No rebound adjustment, usually accompanied by no lockout function	Leaking oil from damper	Bleed or replace damper
Sinking into travel and not returning or returning very slowly	Inconsistent solo air sealing performance	Replace solo air assembly
Limited travel - Hybrid forks will bottom out too soon, boosted forks will lose ride height	Bearing migration	See owner's manual supplement for bearing reset procedure
Top out noise	Bearing migration	See Lefty Owner's Manual Supplement for bearing reset procedure
Play in wheel	Tolerance variance	Install 1 - 3 shims from kit QC103/ behind disc side bearing
Play in inner tube	Bearings, races, and race clips may be out of place or damaged	Telescope rebuild, make sure the play is not in the wheel by installing QC103 in hub
Threads coming out of spindle	Helicoil is damaged	Reinstall M10 x 1.0 Helicoil. We offer the tool and inserts in kit KH057/
Leaking air	Damaged valve core, seal or piston	1. Replace valve core and/or seal. 2. Install and lubricate new upper air seal o-rings 3. Replace solo air piston 4. Check inside of inner tube for scoring, replace if necessary
Pushing through lockout	No issue	All forks have a blowoff in climb mode and are designed to open up under moderate hits for comfort, traction and to protect the damper internals.
XLR equipped fork feels harsh	Poor bleed on XLR remote	Bleed XLR remote with Rock Shox Reverb fluid

MAINTENANCE SCHEDULES

PLEASE DON'T 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 HYBRID/ LEFTY 2.0 / SUPERMAX/OLIVER/OLAF

SERVICE ITEM	FREQUENCY (Hrs)	WHO
INSPECT, REPLACE FRAME BUMPER	AS NEEDED	OWNER
CHECK FOR DAMAGE	EVERY RIDE	OWNER
TIGHTENING TORQUE CHECK	AFTER FIRST RIDE /CHECK EVERY 4-5 RIDES	OWNER
MANUAL BEARING RESET	50	OWNER
LUBE TELESCOPE	100	AUTHORIZED CANNONDALE DEALER
SERVICE AIR SPRING SYSTEM/DAMPER INSPECTION	100	AUTHORIZED CANNONDALE DEALER
TELESCOPE REBUILD	200	HEADSHOK SERVICE CENTER
PROFESSIONAL SERVICE	ANNUALLY (MINIMUM)	HEADSHOK SERVICE CENTER

LEFTY

SERVICE ITEM	FREQUENCY (Hrs)	WHO
INSPECT, REPLACE FRAME BUMPER	AS NEEDED	OWNER
CHECK FOR DAMAGE	EVERY RIDE	OWNER
BOOT INSPECTION	EVERY RIDE	OWNER
TIGHTENING TORQUE CHECK	AFTER FIRST RIDE /CHECK EVERY 4-5 RIDES	OWNER
CLEAN/RE-OIL AIR FILTER	25	AUTHORIZED CANNONDALE DEALER
CLEAN/RE-GREASE TELESCOPE	25	AUTHORIZED CANNONDALE DEALER
NEEDLE BEARING RESET	25	AUTHORIZED CANNONDALE DEALER
SERVICE AIR SPRING SYSTEM/DAMPER INSPECTION	100	AUTHORIZED CANNONDALE DEALER
PROFESSIONAL SERVICE	ANNUALLY (MINIMUM)	HEADSHOK SERVICE CENTER

FATTY AND SOLO (DL50/DLR80)

SERVICE ITEM	FREQUENCY (Hrs)	WHO
CHECK FOR DAMAGE	EVERY RIDE	OWNER
BOOT INSPECTION	EVERY RIDE	OWNER
CLEAN/RE-GREASE TELESCOPE	25	AUTHORIZED CANNONDALE DEALER
NEEDLE BEARING RESET	25	AUTHORIZED CANNONDALE DEALER
SERVICE AIR SPRING SYSTEM/DAMPER INSPECTION	100	AUTHORIZED CANNONDALE DEALER
PROFESSIONAL SERVICE	ANNUALLY (MINIMUM)	HEADSHOK SERVICE CENTER

Racing can put additional strain on components and more frequent service is suggested for best performance.

LEFTY IDENTIFICATION (2005-2017)

SERVICABLE

Based on parts
availability



LEFTY MAX (SPV, TPC, FFD)



LEFTY FOX TERRALOGIC



LEFTY FOX RLC



LEFTY DLR2



LEFTY SL

Complete Service



LEFTY PBR



LEFTY PBR



LEFTY XLR



LEFTY HYBRID 2.0 PBR



LEFTY HYBRID 2.0 XLR

NON-SERVICABLE

FORK EXCHANGE



DLR 100



LEFTY ELO



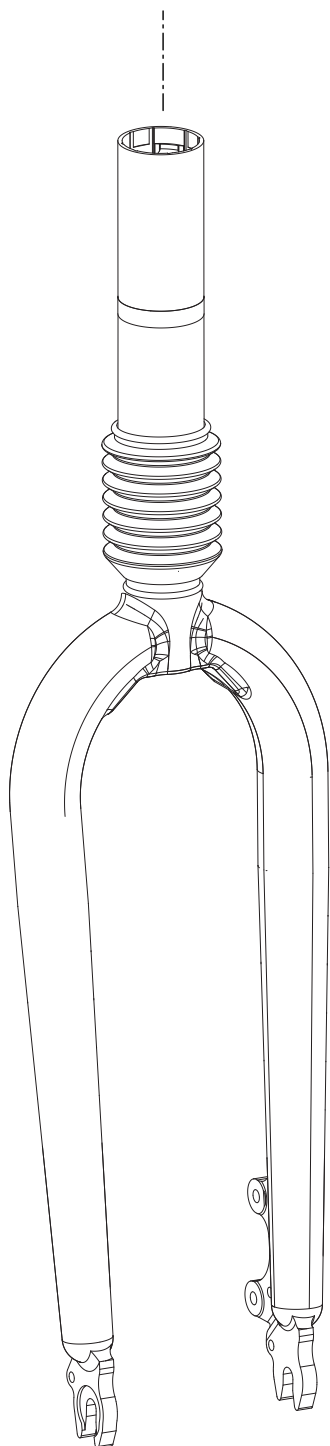
LEFTY JAKE



LEFTY MAX

For any fork exchange prices
regarding non-serviceable
LEFTYs please contact your
tech, sales support!

FATTY/SOLO IDENTIFICATION (DLR 80/DL 50)



DAMPING CARTRIDGE BODY COLOR

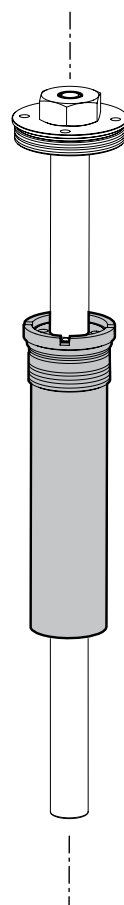
A generic damping cartridge shown, and the actual shape will differ from the example shown. A damping cartridge body "color" is the appearance of shaded area below.

SERVICABLE

DAMPER EXCHANGE or DAMPER UPGRADE

If the body color is:

RED
GREEN
BLUE



NON-SERVICABLE

FORK EXCHANGE

If the body color is:

BLACK
SILVER

LEFTY SERIAL NUMBER SYSTEM

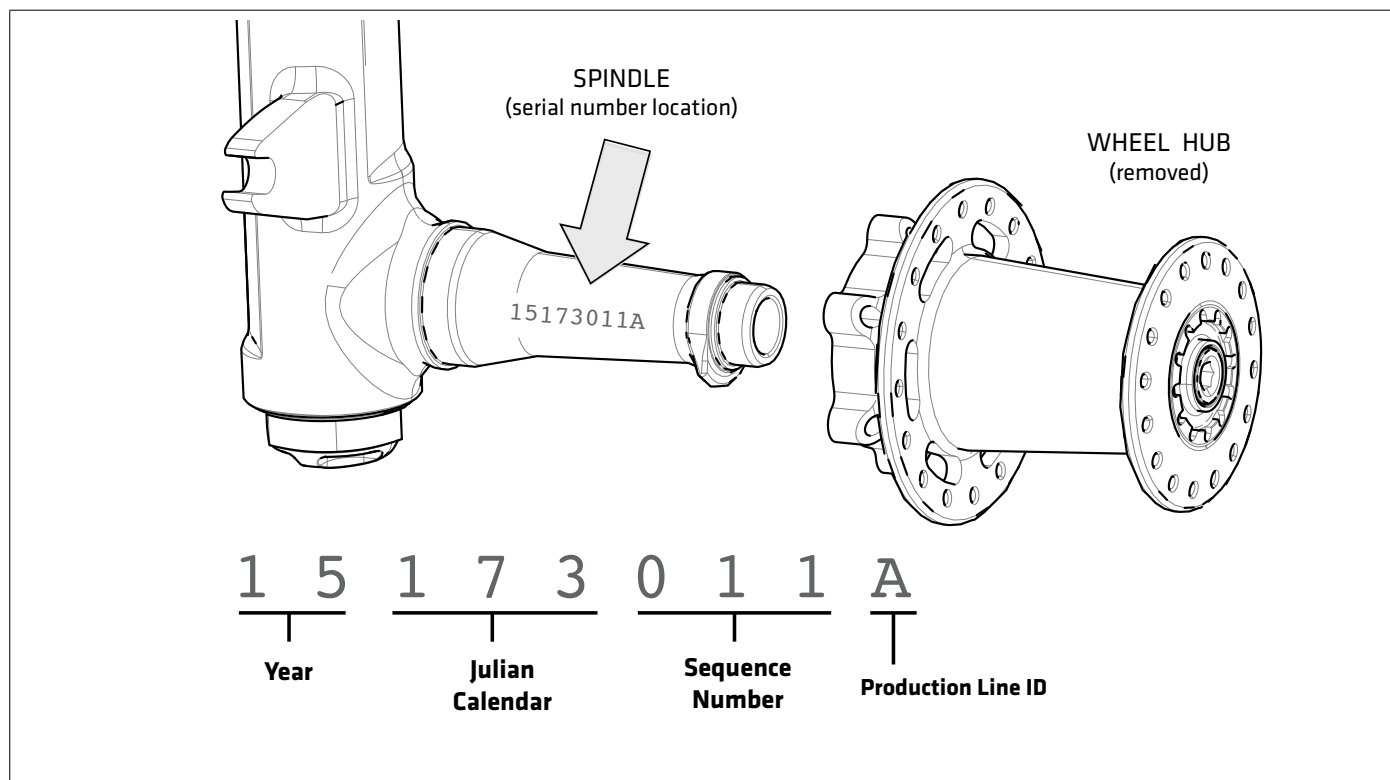


Figure A.

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 code is now located on the rear surface of the lower leg spindle. The wheel hub must be removed to reveal the serial number code. 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 code (A,B,C, etc.) of which production line was used by our factory.

JULIAN DATE CALENDAR
Perpetual

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	001	032	060	091	121	152	182	213	244	274	305	335	1
2	002	033	061	092	122	153	183	214	245	275	306	336	2
3	003	034	062	093	123	154	184	215	246	276	307	337	3
4	004	035	063	094	124	155	185	216	247	277	308	338	4
5	005	036	064	095	125	156	186	217	248	278	309	339	5
6	006	037	065	096	126	157	187	218	249	279	310	340	6
7	007	038	066	097	127	158	188	219	250	280	311	341	7
8	008	039	067	098	128	159	189	220	251	281	312	342	8
9	009	040	068	099	129	160	190	221	252	282	313	343	9
10	010	041	069	100	130	161	191	222	253	283	314	344	10
11	011	042	070	101	131	162	192	223	254	284	315	345	11
12	012	043	071	102	132	163	193	224	255	285	316	346	12
13	013	044	072	103	133	164	194	225	256	286	317	347	13
14	014	045	073	104	134	165	195	226	257	287	318	348	14
15	015	046	074	105	135	166	196	227	258	288	319	349	15
16	016	047	075	106	136	167	197	228	259	289	320	350	16
17	017	048	076	107	137	168	198	229	260	290	321	351	17
18	018	049	077	108	138	169	199	230	261	291	322	352	18
19	019	050	078	109	139	170	200	231	262	292	323	353	19
20	020	051	079	110	140	171	201	232	263	293	324	354	20
21	021	052	080	111	141	172	202	233	264	294	325	355	21
22	022	053	081	112	142	173	203	234	265	295	326	356	22
23	023	054	082	113	143	174	204	235	266	296	327	357	23
24	024	055	083	114	144	175	205	236	267	297	328	358	24
25	025	056	084	115	145	176	206	237	268	298	329	359	25
26	026	057	085	116	146	177	207	238	269	299	330	360	26
27	027	058	086	117	147	178	208	239	270	300	331	361	27
28	028	059	087	118	148	179	209	240	271	301	332	362	28
29	029		088	119	149	180	210	241	272	302	333	363	29
30	030		089	120	150	181	211	242	273	303	334	364	30
31	031		090		151		212	243		304		365	31

JULIAN DATE CALENDAR
FOR LEAP YEARS ONLY - use in 2004, 2008, 2012, 2016, 2020, 2024, etc.

DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	DAY
1	001	032	060	092	122	153	183	214	245	275	306	336	1
2	002	033	061	093	123	154	184	215	246	276	307	337	2
3	003	034	062	094	124	155	185	216	247	277	308	338	3
4	004	035	063	095	125	156	186	217	248	278	309	339	4
5	005	036	064	096	126	157	187	218	249	279	310	340	5
6	006	037	065	097	127	158	188	219	250	280	311	341	6
7	007	038	066	098	128	159	189	220	251	281	312	342	7
8	008	039	067	099	129	160	190	221	252	282	313	343	8
9	009	040	068	100	130	161	191	222	253	283	314	344	9
10	010	041	069	101	131	162	192	223	254	284	315	345	10
11	011	042	070	102	132	163	193	224	255	285	316	346	11
12	012	043	071	103	133	164	194	225	256	286	317	347	12
13	013	044	072	104	134	165	195	226	257	287	318	348	13
14	014	045	073	105	135	166	196	227	258	288	319	349	14
15	015	046	074	106	136	167	197	228	259	289	320	350	15
16	016	047	075	107	137	168	198	229	260	290	321	351	16
17	017	048	076	108	138	169	199	230	261	291	322	352	17
18	018	049	077	109	139	170	200	231	262	292	323	353	18
19	019	050	078	110	140	171	201	232	263	293	324	354	19
20	020	051	079	111	141	172	202	233	264	294	325	355	20
21	021	052	080	112	142	173	203	234	265	295	326	356	21
22	022	053	081	113	143	174	204	235	266	296	327	357	22
23	023	054	082	114	144	175	205	236	267	297	328	358	23
24	024	055	083	115	145	176	206	237	268	298	329	359	24
25	025	056	084	116	146	177	207	238	269	299	330	360	25
26	026	057	085	117	147	178	208	239	270	300	331	361	26
27	027	058	086	118	148	179	209	240	271	301	332	362	27
28	028	059	087	119	149	180	210	241	272	302	333	363	28
29	029		088	120	150	181	211	242	273	303	334	364	29
30	030		089		151		212	243		304		365	30
31	031		090		152		213	244		305		366	31

WARRANTY COVERAGE

CANNONDALE LIMITED WARRANTY

Cannondale Lefty and Headshok suspension products are covered under the terms and conditions of the Cannondale Limited Warranty found on the Policies page of our Cannondale website at <http://www.cannondale.com>.

The definitions of how the limited warranty policy applies to Lefty and Headshok products is explained below.

DEFINITIONS RELATED TO HEADSHOK PRODUCTS

The fork structure is covered in the FRAMES section of the Cannondale Limited Warranty.

“Fork structure” means certain structural parts of the fork, specifically the fork legs, outer tube, the steerer tube, steerer tube clamps and the inner tubes with attached dropouts or spindle. Cable clamps, needle bearings, races, and bushings which are part of the telescopic assembly are normal wear and tear items and are not covered by the limited lifetime warranty. Additionally, any wearing of the Anodization on the Stanchion of the fork will be covered for one year from the date of purchase.

The internal fork parts are covered by the 1 year (2 years in EU countries) warranty against defects in materials or workmanship described in the COMPONENTS section of the Cannondale Limited Warranty. “Internal fork parts” are defined as items such as damping cartridges and their internal parts, seals, O-rings, air cylinders, air pistons, springs, elastomers, bumpers, bushings, needle bearings, races, and oil. Normal wear and tear on these items is NOT covered by this 1 year (2 in EU) warranty. Like brake pads on a car, you should expect to have wear items professionally replaced or renewed as you use the fork.

IMPORTANT : Be sure to read and understand the exclusions listed within the limited warranty as they apply equally to Lefty and Headshok products. For example, damage that is a result of crashes, misuse, accidents, improper maintenance or service are not covered and are the owner's responsibility.

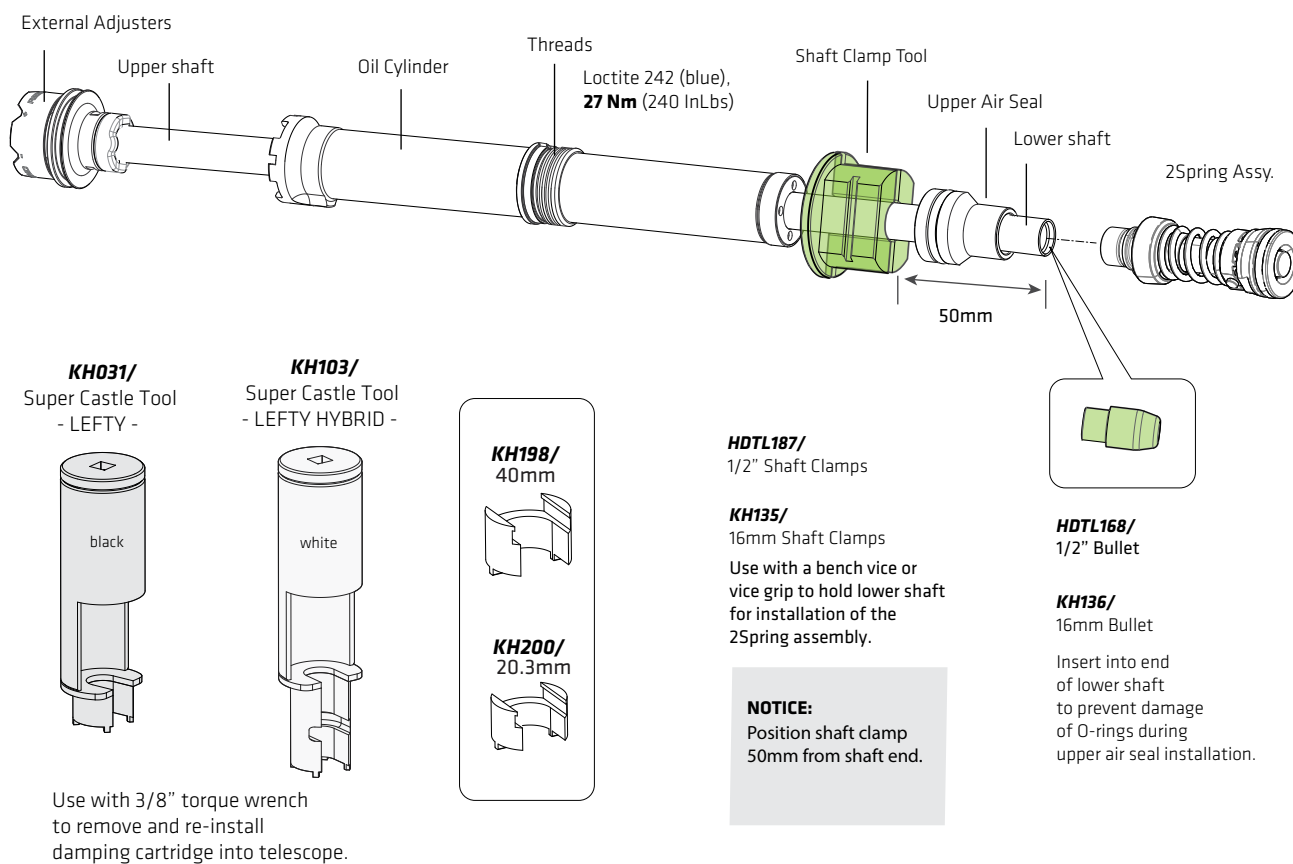
SUBMITTING A WARRANTY CLAIM

For any warranty claim to be considered, the bicycle/fork must be brought into an Authorized Cannondale Retailer on the continent on which the bicycle/fork was purchased. The Bicycle/fork must be in assembled condition and accompanied by the original, dated sales receipt for the bicycle/fork. Additionally, dealers must fill out a warranty ticket on the B2B. This process is outlined in the Appendix of this book under B2B Claim Guide. **Dealer Locator at** http://www.cannondale.com/eur_en/dealer-locator/

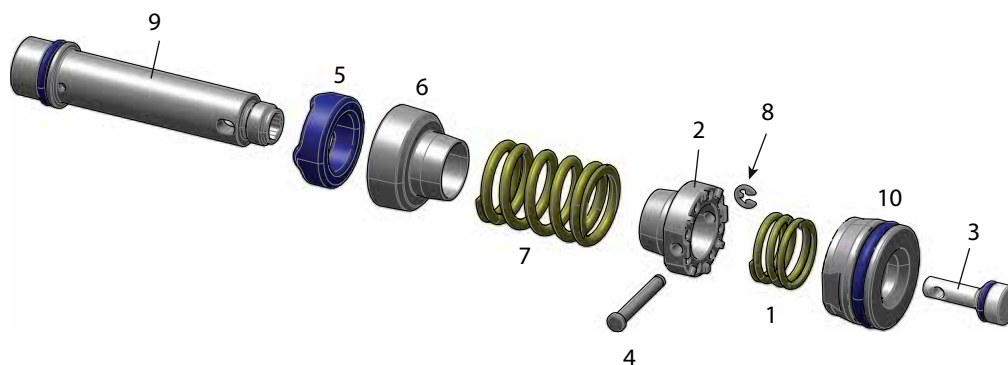
•

DAMPING CARTRIDGE BASICS

Typical Lefty Damping Cartridge



2Spring Assembly



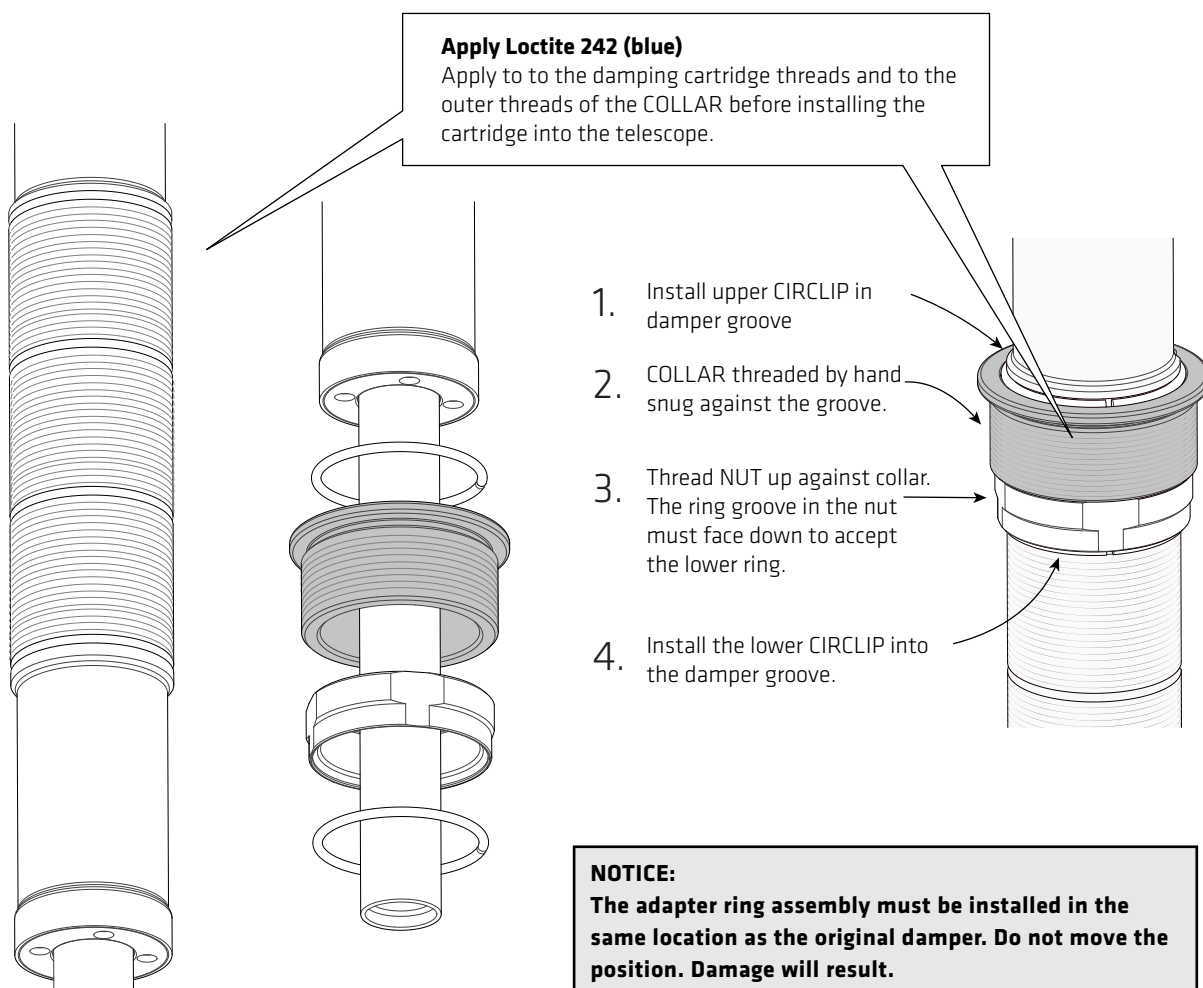
2Spring System Identification

- | | | |
|-----------------|--------------------|--------------|
| 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 | |

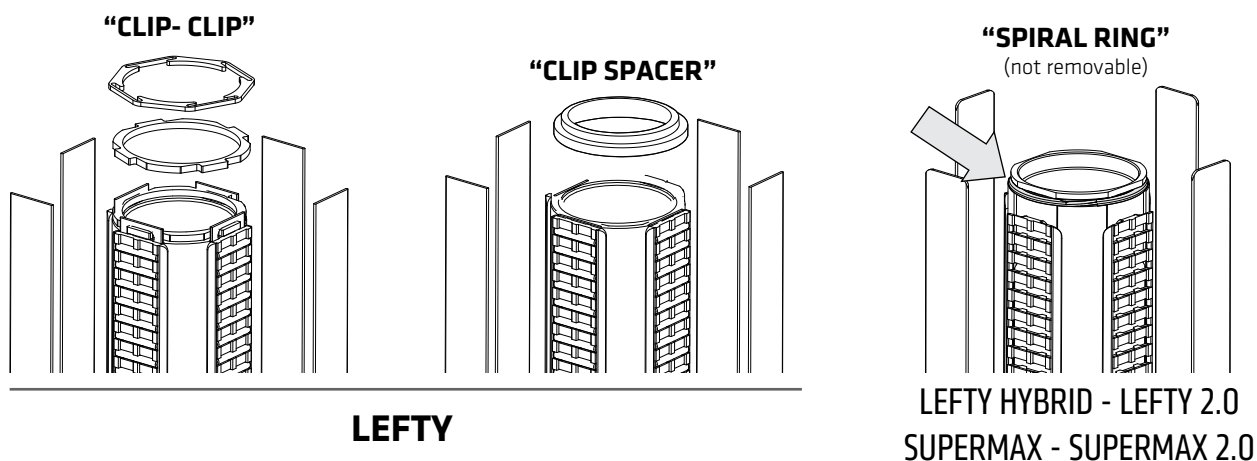
11



Supermax Cartridge Adapter Ring Assembly



Race Retention Identification



UPGRADE COMPATIBILITY

1. Identify the Year, Model, and Travel of the LEFTY (produced 2005-2014).
2. Find the YEAR, MODEL, and TRAVEL of the fork in the DAMPER UPGRADE COMPATIBILITY CHART. This chart lists the various parts that are needed to make the upgrade. Simply order the corresponding kit codes (shown in shaded areas).
3. Remove the existing LEFTY internals and inspect the I.D. of the inner leg. If scratches or blemishes are found on the inner leg, it should be replaced. If this is the case, the upgrade must be performed by our service center and require a new inner leg.
4. Prepare the damper: Install the correct Solo Air assembly. (See the specific Kits List page of the LEFTY for proper orientation of the assembly parts.) Our Tech Department can help you.
5. Use a bench vice with appropriate shaft clamp tool to install the assembly. Apply Loctite 262 (red) to the piston threads and tighten to 3.4 Nm.
6. All LEFTYs using a PBR or XLR damping cartridge require the use of a race retention system. Identify whether the LEFTY requires the use of either a "Clip-Clip," "Clip Spacer," or "Spiral Ring" (see RACE RETENTION IDENTIFICATION).
7. Apply Loctite 242 (blue) to the cartridge body threads and lubricate Solo Air piston assembly with a combination of high-quality bicycle grease and air piston lube. Install the damper using the appropriate castle tool. Tighten with a torque wrench to 27 Nm.

UPGRADE OF VERY EARLY MODELS IS LIMITED BY AVAILABILITY AND END OF SERVICE.

Service kits for very early models (shown shaded) is limited to remaining inventory. Please call our TECH DEPT. to confirm availability before offering service.

Damper Upgrade Compatibility Chart

YEAR	MODEL	OLD TRAVEL	NEW DAMPER	NEW TRAVEL	CLIP CLIP	CLIP SPACER	ORDER THESE KIT CODES TO UPGRADE				INNER LEG	NOTE:
							DAMPER # (PBR - XLR)	SOLO AIR #	COLLAR # (Carbon/Bonded Alloy - OPI Alloy)	SCHRADER PLUG #		
2005	LEFTY MAX (SPV, TPC, FFD)	140	PBR 140	140	NO	YES	KH062/ - KH079/, KH082/	KH066/	KH100/ - KH101/	KT028/		Check I.D. surface finish of inner leg.
	LEFTY SPEED FOX IV	110	PBR 100	100	YES	NO	KH087/ - KH086/, KH082/	KH052/	KH100/	KT028/	KT029/	Inner leg needs to be replaced.*
	LEFTY SPEED DLR2	110	PBR 100	100	NO	YES	KH087/ - KH086/, KH082/	KH052/	KH100/ - KH101/			
2006	LEFTY MAX (SPV, TPC, FFD)	140	PBR 140	140	NO	YES	KH062/ - KH079/, KH082/	KH066/	KH100/ - KH101/	KT028/		Check I.D. surface finish of inner leg.
	LEFTY SPEED FOX TERRALOGGIC	110	PBR 100	100	YES	NO	KH087/ - KH086/, KH082/	KH052/	KH100/	KT028/	KT029/	Inner leg needs to be replaced.*
	LEFTY SPEED DLR2	110	PBR 100	100	NO	YES	KH087/ - KH086/, KH082/	KH052/	KH100/			
2007	LEFTY MAX (SPV, TPC, FFD)	140	PBR 140	140	YES	NO	KH062/ - KH079/, KH082/	KH066/	KH100/ - KH101/	KT028/		Check I.D. surface finish of inner leg.
	LEFTY SPEED SL	110	PBR 100	100	YES	NO	KH087/ - KH086/, KH082/	KH052/	KH100/			
	LEFTY SPEED DLR2	110	PBR 100	100	NO	YES	KH087/ - KH086/, KH082/	KH052/	KH100/			
2008	LEFTY MAX PBR	130	PBR 140	130	NO	YES	KH062/ - KH079/, KH082/	KH066/, HD010/	KH100/			Use single 10mm travel reducing clip.
	LEFTY MAX FOX RLC	130	PBR 140	130	NO	YES	KH062/ - KH079/, KH082/	KH066/, HD010/	KH100/	KT028/		Use single 10mm travel reducing clip.
	LEFTY SPEED SL	110	PBR 100	100	YES	NO	KH087/ - KH086/, KH082/	KH052/	KH100/			
	LEFTY SPEED FOX RLC	110	PBR 100	100	NO	YES	KH087/ - KH086/, KH082/	KH052/	KH100/	KT028/		
	LEFTY SPEED DLR2	110	PBR 100	100	NO	YES	KH087/ - KH086/, KH082/	KH052/	KH100/			
	LEFTY 29'ER SL	80	PBR 100	70	YES	NO	KH087/ - KH086/, KH082/	KH052/, HD010/, KH076/**	KH100/			
	LEFTY 29'ER DLR2	80	PBR 100	70	NO	YES	KH087/ - KH086/, KH082/	KH052/, HD010/, KH076/**	KH100/			

* When inner leg is replaced. New race clip compatible races must be installed.

** Add the 3 travel reducing clips from HD010/ and the 25mm volume reducer from KH076/ in addition to the 156mm volume reducer from KH052/.

YEAR	MODEL	OLD TRAVEL	NEW DAMPER	NEW TRAVEL	CLIP CLIP	CLIP SPACER	ORDER THESE KIT CODES TO UPGRADE				INNER LEG	NOTE:
							DAMPER # (PBR - XLR)	SOLO AIR #	COLLAR # (Carbon/Bonded Alloy - OPI Alloy)	SCHRAEDER PLUG #		
2009	LEFTY MAX PBR	130	PBR 140	130	NO	YES	KH062/ - KH079/, KH082/	KH066/, HD010/	KH100/			Use single 10mm travel reducing clip.
	LEFTY MAX FOX RLC	130	PBR 140	130	NO	YES	KH062/ - KH079/, KH082/	KH066/, HD010/	KH100/	KT028/		Use single 10mm travel reducing clip.
	LEFTY SPEED SL	110	PBR 100	100	YES	NO	KH087/ - KH086/, KH082/	KH052/	KH100/			
	LEFTY SPEED FOX RLC	110	PBR 100	100	NO	YES	KH087/ - KH086/, KH082/	KH052/	KH100/	KT028/		
	LEFTY SPEED DLR2	110	PBR 100	100	NO	YES	KH087/ - KH086/, KH082/	KH052/	KH100/			
	LEFTY 29'ER SL	80	PBR 100	70	YES	NO	KH087/ - KH086/, KH082/	KH052/, HD010/, KH076/**	KH100/			
	LEFTY 29'ER DLR2	80	PBR 100	70	NO	YES	KH087/ - KH086/, KH082/	KH052/, HD010/, KH076/**	KH100/			
2010	LEFTY MAX PBR	140	PBR 140	140	YES	NO	KH062/ - KH079/, KH082/	KH066/	KH100/ - KH101/			
	LEFTY MAX FOX RLC	140	PBR 140	140	YES	NO	KH062/ - KH079/, KH082/	KH066/	KH100/ - KH101/	KT028/		
	LEFTY ULTRA PBR	120	PBR 120	120	YES	NO	KH062/ - KH079/, KH082/	KH070/	KH100/ - KH101/			
	LEFTY ULTRA DLR	120	PBR 120	120	YES	NO	KH062/ - KH079/, KH082/	KH070/	KH100/ - KH101/			
	LEFTY SPEED SL	110	PBR 100	100	YES	NO	KH087/ - KH086/, KH082/	KH052/	KH100/ - KH101/			
	LEFTY SPEED DLR2	110	PBR 100	100	YES	NO	KH087/ - KH086/, KH082/	KH052/	KH100/ - KH101/			
	LEFTY 29'ER SL	80	PBR 100	70	YES	NO	KH087/ - KH086/, KH082/	KH052/, HD010/, KH076/**	KH100/ - KH101/			
2011	LEFTY 29'ER DLR2	80	PBR 100	70	YES	NO	KH087/ - KH086/, KH082/	KH052/, HD010/, KH076/**	KH100/ - KH101/			
	LEFTY MAX PBR/XLR	140	PBR 140	140	YES	NO	KH062/ - KH079/, KH082/	KH066/	KH100/ - KH101/			
	LEFTY ULTRA PBR/XLR	120	PBR 140	120	YES	NO	KH062/ - KH079/, KH082/	KH070/	KH100/ - KH101/			
	LEFTY 29'ER PBR/XLR	90	PBR 140	90	YES	NO	KH062/ - KH079/, KH082/	KH085/	KH100/ - KH101/			
	LEFTY 29'ER PBR/XLR	100	PBR 140	100	YES	NO	KH062/ - KH079/, KH082/	KH091/	KH100/ - KH101/			
2012	LEFTY SPEED PBR/XLR	100	PBR 100	100	YES	NO	KH087/ - KH086/, KH082/	KH052/	KH100/ - KH101/			
	LEFTY MAX PBR/XLR	140	PBR 140	140	YES	NO	KH062/ - KH079/, KH082/	KH066/	KH100/ - KH101/			
	LEFTY ULTRA PBR/XLR	120	PBR 140	120	YES	NO	KH062/ - KH079/, KH082/	KH070/	KH100/ - KH101/			
	LEFTY 29'ER PBR/XLR	90	PBR 140	90	YES	NO	KH062/ - KH079/, KH082/	KH085/	KH100/ - KH101/			
	LEFTY 29'ER PBR/XLR	100	PBR 140	100	YES	NO	KH062/ - KH079/, KH082/	KH091/	KH100/ - KH101/			
2013	LEFTY SPEED PBR/XLR	100	PBR 100	100	YES	NO	KH087/ - KH086/, KH082/	KH052/	KH100/ - KH101/			
	LEFTY PBR/XLR 130 26	130	PBR 140	130	YES	NO	KH062/ - KH079/, KH082/	KH102/	KH100/ - KH101/			
	LEFTY PBR/XLR 120 26	120	PBR 140	120	YES	NO	KH062/ - KH079/, KH082/	KH070/	KH100/ - KH101/			
	LEFTY PBR/XLR 90 29	90	PBR 140	90	YES	NO	KH062/ - KH079/, KH082/	KH085/	KH100/ - KH101/			
	LEFTY PBR/XLR 100 29	100	PBR 140	100	YES	NO	KH062/ - KH079/, KH082/	KH091/	KH100/ - KH101/			
2014	LEFTY PBR/XLR 100 26	100	PBR 100	100	YES	NO	KH087/ - KH086/, KH082/	KH052/	KH100/ - KH101/			
	LEFTY PBR/XLR 130 26	130	PBR 140	130	YES	NO	KH062/ - KH079/, KH082/	KH102/	KH100/ - KH101/			
	LEFTY PBR/XLR 90 29	90	PBR 140	90	YES	NO	KH062/ - KH079/, KH082/	KH085/	KH100/ - KH101/			
	LEFTY PBR/XLR 100 29	100	PBR 140	100	YES	NO	KH062/ - KH079/, KH082/	KH091/	KH100/ - KH101/			
	LEFTY PBR/XLR 100 26	100	PBR 100	100	YES	NO	KH087/ - KH086/, KH082/	KH052/	KH100/ - KH101/			
2015	SUPERMAX 29	130	PBR130	130	NO	NO	KH132/	KH153/	--			
	LEFTY PBR/XLR 130 26	130	PBR 140	130	YES	NO	KH062/ - KH079/, KH082/	KH102/	KH100/ - KH101/			
	LEFTY PBR/XLR 90 29	90	PBR 140	90	YES	NO	KH062/ - KH079/, KH082/	KH085/	KH100/ - KH101/			
	LEFTY PBR/XLR 100 29	100	PBR 140	100	YES	NO	KH062/ - KH079/, KH082/	KH091/	KH100/ - KH101/			
	LEFTY PBR/XLR 100 26	100	PBR 100	100	YES	NO	KH087/ - KH086/, KH082/	KH052/	KH100/ - KH101/			
	SUPERMAX 27.5	140	PBR 160	140	NO	NO	KH132/	KH152/	--			
	SUPERMAX 27.5	160	PBR 160	160	NO	NO	KH132/	KH133/	--			
2015	SUPERMAX 29	130	PBR160	130	NO	NO	KH132/	KH153/	--			

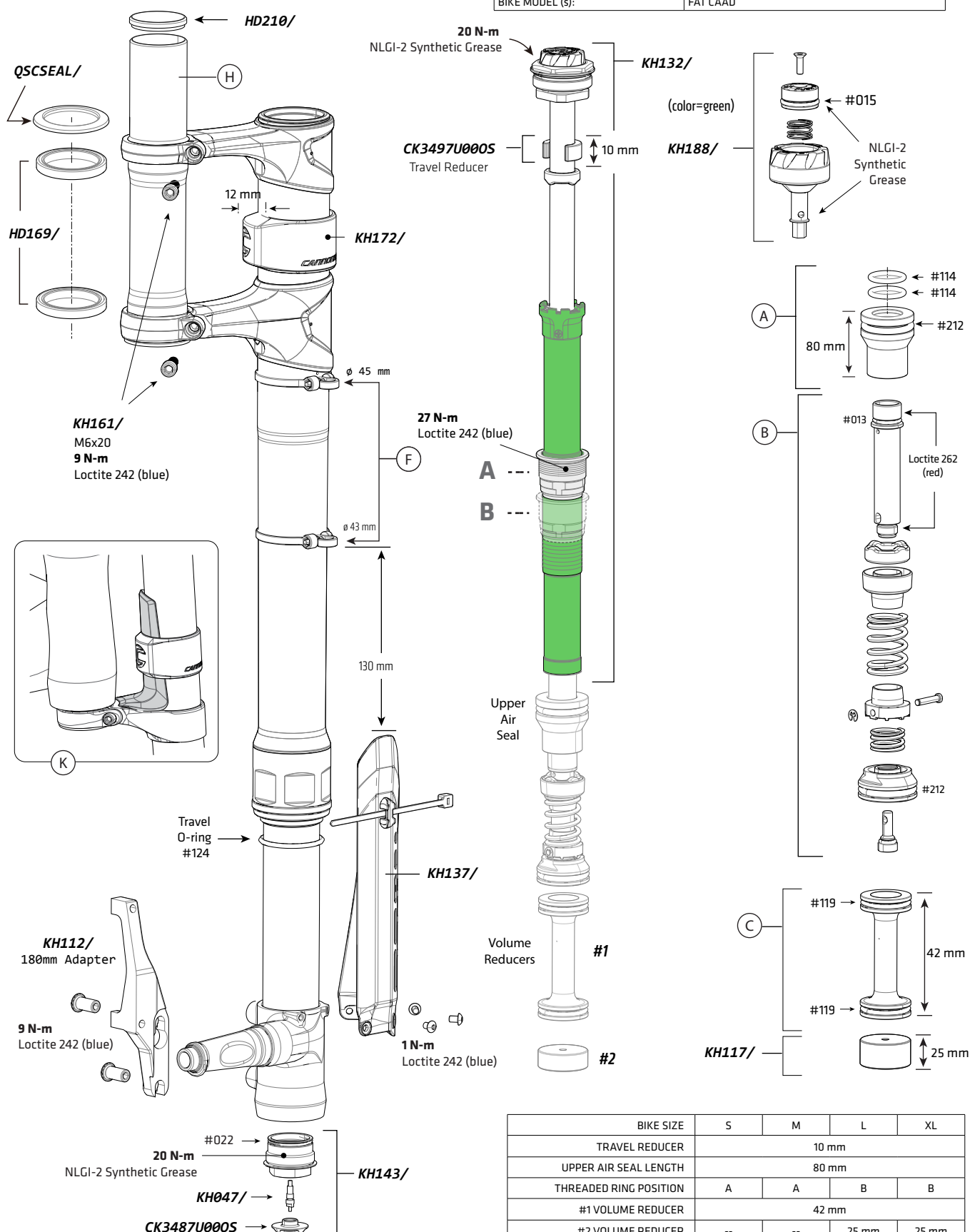
* When inner leg is replaced. New race clip compatible races must be installed.

** Add the 3 travel reducing clips from HD010/ and the 25mm volume reducer from KH076/ in addition to the 156mm volume reducer from KH052/.

LEFTY OLAF

PBR 100 - 26" FAT

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



LEFTY OLAF - PBR 100 - 26" FAT			
ITEM	CODE	TELESCOPE	COMMENT
(F)	CK3417U000S	Lefty Brake Hose Guides	Contains multiple clamp types/size , use 45mm and 43mm.
	KH172/	KIT,FRAME BUMPER,LEFTY 12 MM	
	KH137/	KIT,FORK GUARD, LEFTY HYB 36 140	
	KH161/	KIT,CLAMP BOLTS 20mm	
	KH112/	KIT, BRAKE, ADAPTER, HYB 36, 29 LEFTY 180	
(K)	KH219/05	KIT, CABLE GRD	

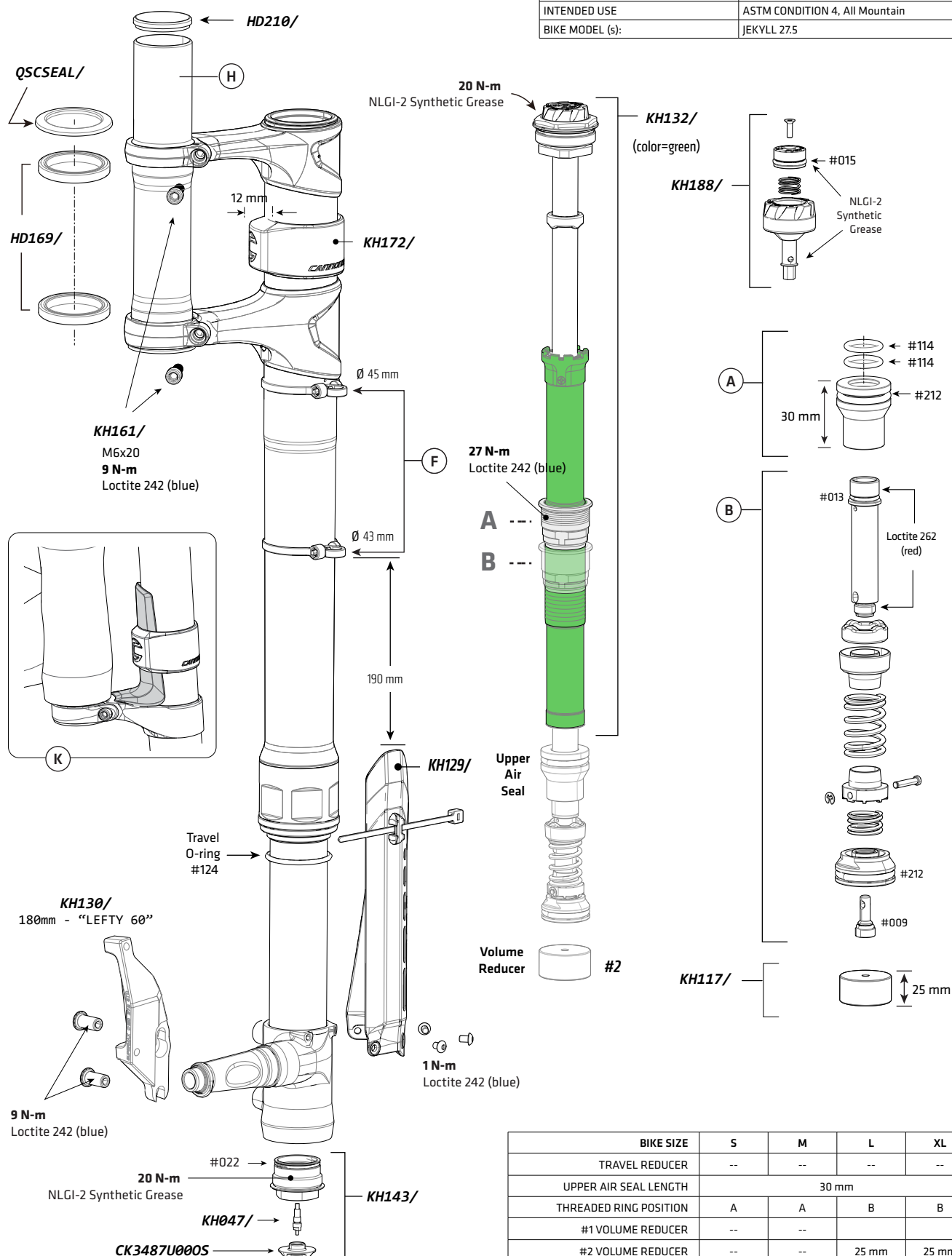
ITEM	CODE	DAMPER	COMMENT
	KH188/	KIT,KNOBS,PBR	
	KH132/	KIT,DAMPER,PBR 160 27.5"	
	KH143/	KIT,SCHRADER PLUG,SUPERMAX	
	KH047/	KIT,VALVE CORES /10	
	KH117/	KIT,REDUCER,SOLO AIR TUNE 36	
(A)	CK3437U0080	LEFTY 36 UPPER AIR SEAL 16MM SHAFT 80MM	
(B)	CK5057U000S	2SPRING, LEFTY 36, 16MM	
(C)	CK3447U0042	LEFTY 36 VOLUME REDUCER 42MM	
	CK5417U000S	LEFTY 36 2SPRING 100 HOUR SEAL KIT	100 Hour Seal Kit
	CK3497U000S	LEFTY TRAVEL REDUCERS 16MM SHAFT	
	CK3487U000S	LEFTY VALVE CAP	

ITEM	CODE	STEERER/HEADSET	COMMENT
(H)	KH197/097	KIT,STEERER,L20 THICK FLANGE,097	For 97 mm Headtube Length
	KH197/110	KIT,STEERER,L20 THICK FLANGE,110	For 109 mm Headtube Length
	KH197/122	KIT,STEERER,L20 THICK FLANGE,122	For 122 mm Headtube Length
	KH197/134	KIT,STEERER,L20 THICK FLANGE,134	For 134mm Headtube Length
	QSCSEAL/	KIT,SEAL,UPPER BEARING,60MM OD	
	HD169/	KIT,BEARINGS, HEADSET - 2	includes 2 bearings
	HD210/	KIT,STEERER CAP	

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

SUPERMAX 2.0
PBR 160 - 27.5"

RECOMMENDED SAG	45-50 mm
TRAVEL LENGTH	160 mm
MANUAL RESET LENGTH	25 mm +/- 3
PRESSURE LIMITS	MINIMUM 50 psi, MAXIMUM 225 psi
OFFSET	50 mm
INTENDED USE	ASTM CONDITION 4, All Mountain
BIKE MODEL (s):	JEKYLL 27.5



BIKE SIZE	S	M	L	XL
TRAVEL REDUCER	--	--	--	--
UPPER AIR SEAL LENGTH	30 mm			
THREADED RING POSITION	A	A	B	B
#1 VOLUME REDUCER	--	--		
#2 VOLUME REDUCER	--	--	25 mm	25 mm
HEADTUBE LENGTH	110mm	110 mm	122 mm	134 mm
FRAME BUMPER SIZE	12 mm			

Supermax 2.0 - PBR 160 - 27.5"			
ITEM	CODE	TELESCOPE	COMMENT
(F)	CK3417U000S	Lefty Brake Hose Guides	Contains multiple clamp types/size , use 45mm and 43mm.
	KH172/	KIT,FRAME BUMPER,LEFTY 12MM	
	KH129/	KIT,FORK GUARD, HYB 36 LONG	
	KH161/	KIT,CLAMP BOLTS 20MM	
	KH130/	KIT, ADAPTER, HYB 36, 27.5 HUB 180 LEFTY 60	
(K)	KH219/06	KIT,CABLE GRD,SUPERMAX	

ITEM	CODE	DAMPER	COMMENT
	KH188/	KIT,KNOBS,PBR	
	KH132/	KIT,DAMPER,PBR 160 27.5"	
(A)	CK3437U0030	LEFTY 36 UPPER AIR SEAL 16MM SHAFT 30MM	
(B)	CK5057U000S	2SPRING, LEFTY 36, 16MM	
	CK5417U000S	LEFTY 36 2SPRING 100 HOUR SEAL KIT	100 Hour Seal Kit
	CK3487U000S	LEFTY VALVE CAP	
	KH143/	KIT,SCHRADER PLUG,SUPERMAX	
	KH047/	KIT,VALVE CORES /10	
	KH126/A	KIT,SEALS,100HR TUNE,SUPERMAX PBR	not pictured
	KH117/	KIT,REDUCER,SOLO AIR TUNE 36	not pictured

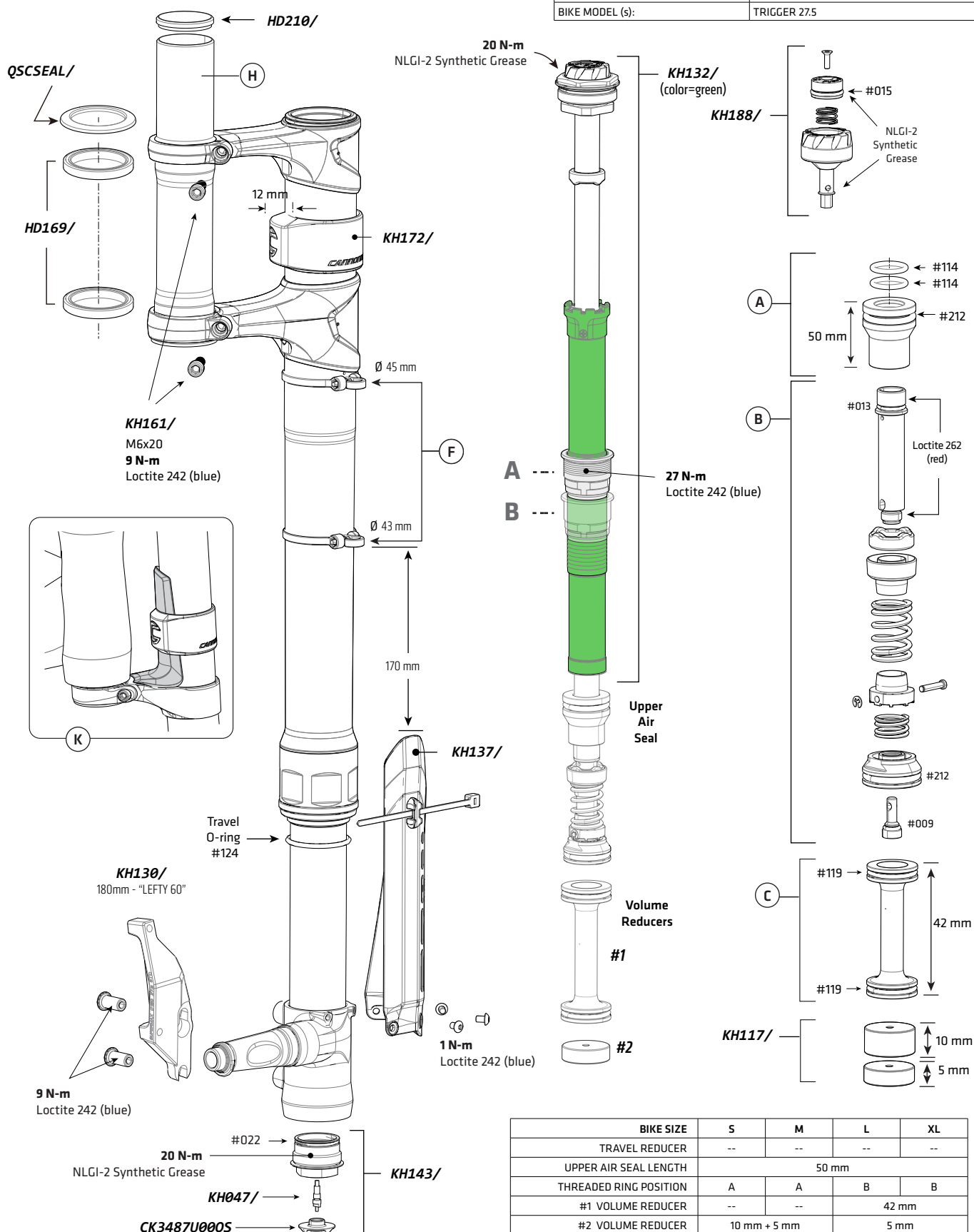
ITEM	CODE	STEERER/HEADSET	COMMENT
(H)	KH197/097	KIT,STEERER,L20 THICK FLANGE,097	For 97 mm Headtube Length
	KH197/110	KIT,STEERER,L20 THICK FLANGE,110	For 109 mm Headtube Length
	KH197/122	KIT,STEERER,L20 THICK FLANGE,122	For 122 mm Headtube Length
	KH197/134	KIT,STEERER,L20 THICK FLANGE,134	For 134mm Headtube Length
	QSCSEAL/	KIT,SEAL,UPPER BEARING,60MM OD	
	HD169/	KIT,BEARINGS, HEADSET - 2	includes 2 bearings
	HD210/	KIT, STEERER CAP	

ITEM	CODE	SERVICE TOOLS	COMMENT
	KT020/	KIT, TOOL,LEFTY INSTALL	Install/remove steerer, not pictured
	KH127/	KIT, TOOL OUTER CAP 36MM	Install/remove outer cap
	KH198/	KIT, TOOL, CASTLE SLIDER 40MM	Install/remove damping cartridge
	KH135/	KIT, TOOL,SHAFT CLAMP, 16MM	Install/remove air piston assy.
	KH136/	KIT, TOOL,BULLET, 16MM	Install upper air seal assy.
	KH057/	KIT, TOOL,LEFTY THREAD REPAIR	Repair spindle threads, not pictured
	QCTL108/	KIT, TOOL, TRUING AXLE	

SUPERMAX 2.0

PBR 140 - 27.5"

RECOMMENDED SAG	40-45 mm
TRAVEL LENGTH	140 mm
MANUAL RESET LENGTH	25 mm +/- 3
PRESSURE LIMITS	MINIMUM 50 Psi, MAXIMUM 225 Psi
OFFSET	50 mm
INTENDED USE	ASTM CONDITION 4, All Mountain
BIKE MODEL (s):	TRIGGER 27.5



BIKE SIZE	S	M	L	XL
TRAVEL REDUCER	--	--	--	--
UPPER AIR SEAL LENGTH	50 mm			
THREADED RING POSITION	A	A	B	B
#1 VOLUME REDUCER	--	--	42 mm	
#2 VOLUME REDUCER	10 mm + 5 mm		5 mm	
HEAD TUBE LENGTH	97mm	110 mm	122 mm	134 mm
FRAME BUMPER SIZE	12 mm			

Supermax 2.0 - PBR 140 - 27.5"			
ITEM	CODE	TELESCOPE	COMMENT
(F)	CK3417U000S	Lefty Brake Hose Guides	Contains multiple clamp types/size , use 45mm and 43mm.
	KH172/	KIT,FRAME BUMPER,LEFTY 12MM	
	KH137/	KIT,FORK GUARD, HYB 36 SHORT	
(K)	KH219/06	KIT,CABLE GRD,SUPERMAX	
	KH161/	KIT,CLAMP BOLTS 20MM	
	KH130/	KIT, ADAPTER, HYB 36, 27.5 HUB 180 LEFTY 60	

	CODE	DAMPER	COMMENT
	KH188/	KIT,KNOBS,PBR	
	KH132/	KIT,DAMPER,PBR 160 27.5"	
(A)	CK3437U0050	LEFTY 36 UPPER AIR SEAL 16MM SHAFT 50MM	
(B)	CK5057U000S	2SPRING, LEFTY 36, 16MM	
(C)	CK3447U0042	LEFTY 36 VOLUME REDUCER 42MM	
	CK5417U000S	LEFTY 36 2SPRING 100 HOUR SEAL KIT	100 Hour Seal Kit
	CK3487U000S	LEFTY VALVE CAP	
	KH143/	KIT,SCHRADER PLUG,SUPERMAX	
	KH047/	KIT,VALVE CORES /10	
	KH126/A	KIT,SEALS,100HR TUNE,SUPERMAX PBR	not pictured
	KH117/	KIT,REDUCER,SOLO AIR TUNE 36	not pictured

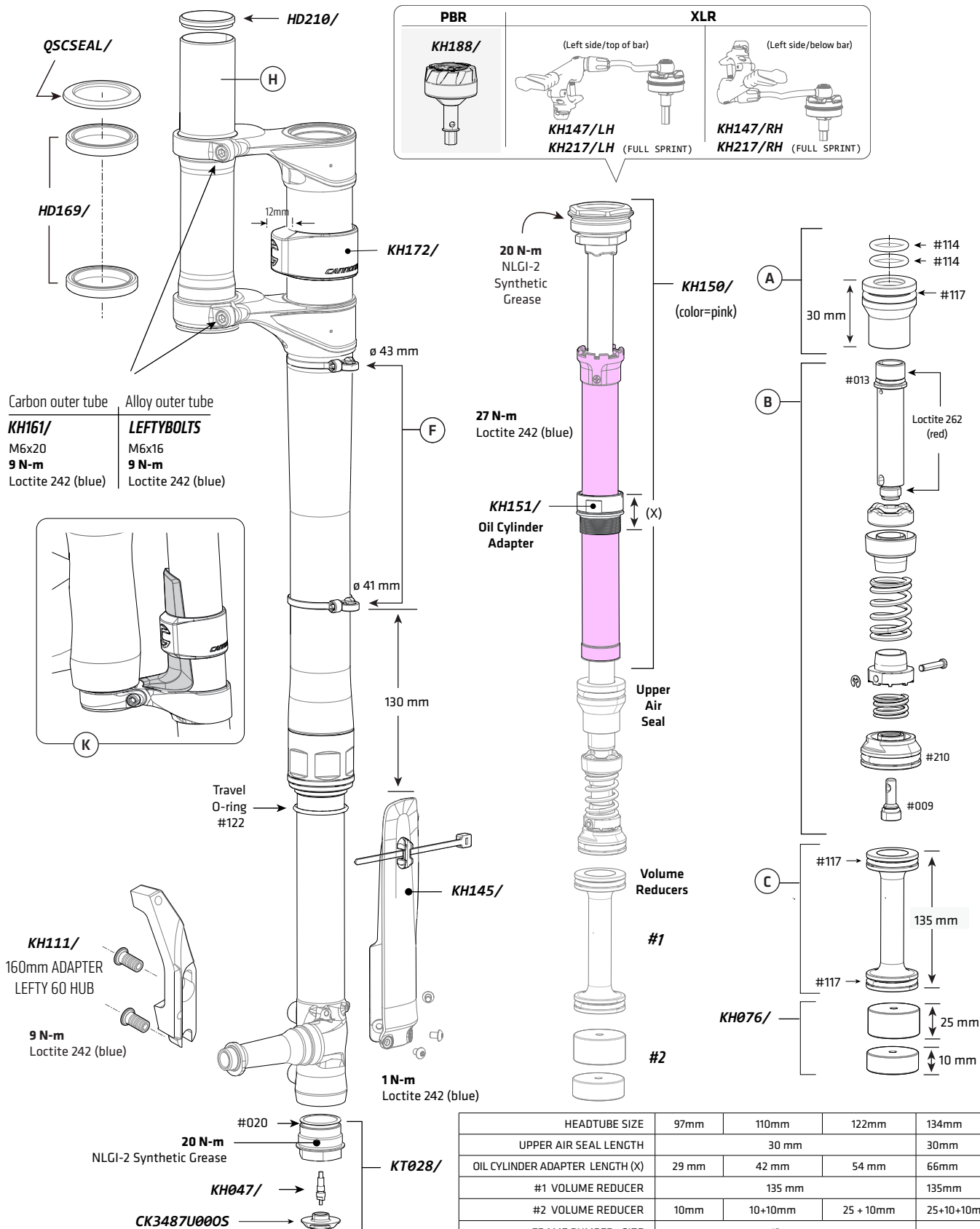
	CODE	STEERER/HEADSET	COMMENT
(H)	KH197/097	KIT,STEERER,L20 THICK FLANGE,097	For 97 mm Headtube Length
	KH197/110	KIT,STEERER,L20 THICK FLANGE,110	For 109 mm Headtube Length
	KH197/122	KIT,STEERER,L20 THICK FLANGE,122	For 122 mm Headtube Length
	KH197/134	KIT,STEERER,L20 THICK FLANGE,134	For 134mm Headtube Length
	QSCSEAL/	KIT,SEAL,UPPER BEARING,60MM OD	
	HD169/	KIT,BEARINGS, HEADSET - 2	includes 2 bearings
	HD210/	KIT, STEERER CAP	

	CODE	SERVICE TOOLS	COMMENT
	KT020/	KIT, TOOL,LEFTY INSTALL	Install/remove steerer
	KH127/	KIT, TOOL OUTER CAP 36MM	Install/remove outer cap
	KH198/	KIT, TOOL, CASTLE SLIDER, 40MM	Install/remove damping cartridge
	KH135/	KIT, TOOL,SHAFT CLAMP, 16MM	Install/remove air piston assy.
	KH136/	KIT, TOOL,BULLET, 16MM	Install upper air seal assy.
	KH057/	KIT, TOOL,LEFTY THREAD REPAIR	Repair spindle threads
	QCTL108/	KIT, TOOL, TRUING AXLE	

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):	SCLPEL SI, F-SI 29



HEADTUBE SIZE	97mm	110mm	122mm	134mm
UPPER AIR SEAL LENGTH		30 mm		30mm
OIL CYLINDER ADAPTER LENGTH (X)	29 mm	42 mm	54 mm	66mm
#1 VOLUME REDUCER		135 mm		135mm
#2 VOLUME REDUCER	10mm	10+10mm	25 + 10mm	25+10+10mm
FRAME BUMPER SIZE		12mm		

LEFTY 2.0 - PBR/XLR 100 29"			
ITEM	CODE	TELESCOPE	COMMENT
(F)	CK3417U000S	Lefty Brake Hose Guides	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
	KH172/	KIT,FRAME BUMPER,LEFTY 12MM	
	KH145/	KIT GUARD LEFTY HYB 32 SHORT	
(K)	KH219/03	KIT, CABLE GRD, LEFTY 2.0, CARBON	
	KH219/04	KIT, CABLE GRD, LEFTY 2.0, ALLOY	
	KH161/	KIT,CLAMP BOLTS 20mm	carbon outer tube
	LEFTYBOLTS/	KIT,BOLTS,LEFTY CALIPER/CLAMP	alloy outer tube
	KH111/	KIT,ADAPTER,HYB 36,LEFTY 60 HUB 180	

	CODE	DAMPER	COMMENT
	KH188/	KIT PBR KNOB	
	KH150/	KIT DAMPER FSI 29	
(A)	CK3467U0030	LEFTY 32 UPPER AIR SEAL 16MM SHAFT 30MM	
(B)	CK5037U000S	2SPRING, LEFTY 32, 16MM	
(C)	CK3477U0035	LEFTY 32 VOLUME REDUCER 135MM	
	CK5417U000S	LEFTY 36 2SPRING 100 HOUR SEAL KIT	100 Hour Seal Kit
	CK3487U000S	LEFTY VALVE CAP	
	KH151/	KIT ADAPT OIL CYLINDER 32 /097/110/122/134	Kit includes multiple adapters, measure headtube to determine correct adapter; DO NOT INTERCHANGE.
	KH047/	KIT,VALVE CORES /10	
	KH028/	KIT, SCHRADER PLUG	
	KH147/LH	KIT XLR LEVER LEFT HAND UPPER	Left H-bar lever, positions top bar
	KH147/RH	KIT XLR LEVER RIGHT HAND UPPER	Left H-bar lever, positions lower bar
	KH217/LH	KIT XLR LEVER LEFT HAND UPPER	Full Sprint
	KH217/RH	KIT XLR LEVER RIGHT HAND UPPER	Full Sprint
	KH125/A	KIT,SEALS,100HR TUNE,SUPERMAX PBR/XLR	
	KH076/	KIT REDUCER SOLO AIR TUNE	

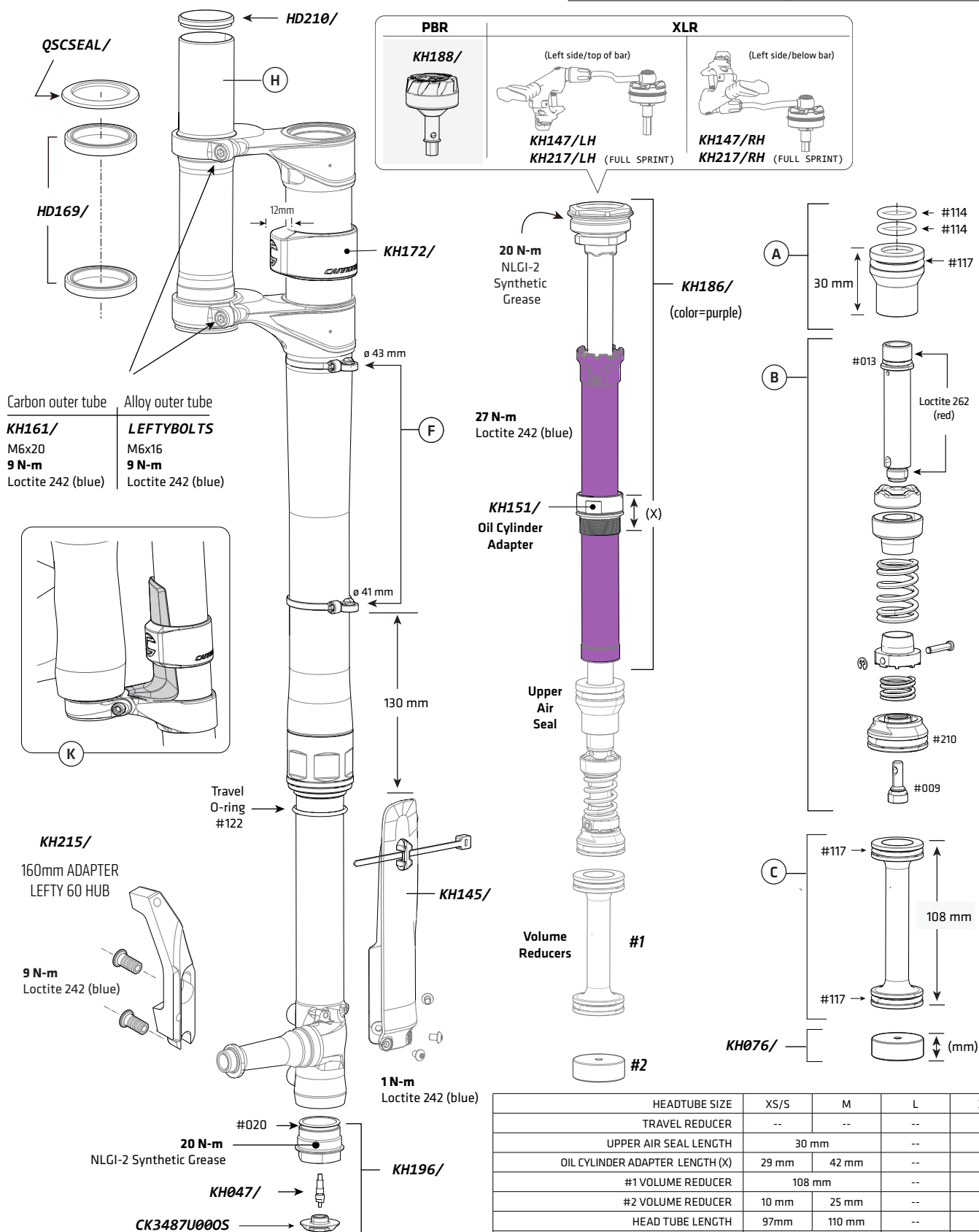
	CODE	STEERER/HEADSET	COMMENT
(H)	KH197/097	KIT,STEERER,L20 THICK FLANGE,097	For 97 mm Headtube Length
	KH197/110	KIT,STEERER,L20 THICK FLANGE,110	For 109 mm Headtube Length
	KH197/122	KIT,STEERER,L20 THICK FLANGE,122	For 122 mm Headtube Length
	KH197/134	KIT,STEERER,L20 THICK FLANGE,134	For 134mm Headtube Length
	QSCSEAL/	KIT,SEAL,UPPER BEARING,60MM OD	
	HD169/	KIT,BEARINGS, HEADSET - 2	includes 2 bearings
	KP068/ or HD210/	KIT, STEERER CAP	

	CODE	SERVICE TOOLS	COMMENT
	KH240/	KIT,TOOL,29mm CYLINDER	install/remove adapter thread from damper body.
	KT020/	KIT, TOOL,LEFTY INSTALL	Install/remove steerer
	KH127/	KIT, TOOL OUTER CAP 36MM	Install/remove outer cap
	KH198/	KIT, TOOL CASTLE SLIDER 40MM	Install/remove damping cartridge
	KH135/	KIT,TOOL,SHAFT CLAMP, 16MM	Install/remove air piston assy.
	KH136/	KIT,TOOL,BULLET, 16MM	Install upper air seal assy.
	KH057/	KIT, TOOL,LEFTY THREAD REPAIR	Repair spindle threads, not pictured
	QCTL108/	KIT, TOOL, TRUING AXLE	
	KH090/	KIT, 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):	SCLPEL SI, F-SI 27.5



HEADTUBE SIZE	XS/S	M	L	XL
TRAVEL REDUCER	--	--	--	--
UPPER AIR SEAL LENGTH	30 mm	--	--	--
OIL CYLINDER ADAPTER LENGTH (X)	29 mm	42 mm	--	--
#1 VOLUME REDUCER	108 mm	--	--	--
#2 VOLUME REDUCER	10 mm	25 mm	--	--
HEAD TUBE LENGTH	97mm	110 mm	--	--
FRAME BUMPER SIZE	12 mm	--	--	--

LEFTY 2.0 - PBR/XLR 100 27.5"			
ITEM	CODE	TELESCOPE	COMMENT
(F)	CK3417U000S	Lefty Brake Hose Guides	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
	KH172/	KIT,FRAME BUMPER,LEFTY 12MM	
	KH145/	KIT GUARD LEFTY HYB 32 SHORT	
(K)	KH219/03	KIT, CABLE GRD, LEFTY 2.0, CARBON	
	KH219/04	KIT, CABLE GRD, LEFTY 2.0, ALLOY	
	KH161/	KIT,CLAMP BOLTS 20mm	For carbon outer tube
	LEFTYBOLTS/	KIT,BOLTS,LEFTY CALIPER/CLAMP	For alloy outer tube
	KH215/	KIT, BRAKE, ADAPTER, L20, 500S, L60 HUB	

	CODE	DAMPER	COMMENT
	KH186/	KIT DAMPER, LEFTY 2.0, 100 27	
(A)	CK3467U0030	LEFTY 32 UPPER AIR SEAL 16MM SHAFT 30MM	
(B)	CK5037U000S	2SPRING, LEFTY 32, 16MM	
(C)	CK3477U0008	LEFTY 32 VOLUME REDUCER 108MM	
	CK5407U000S	LEFTY 32 2SPRING 100 HOUR SEAL KIT	100 Hour Seal Kit
	CK3487U000S	LEFTY VALVE CAP	
	KH151/	KIT ADAPT OIL CYLINDER 32 /097/110/122/134	Kit includes multiple adapters, measure headtube to determine correct adapter; DO NOT INTERCHANGE.
	KH188/	KIT PBR KNOB	
	KH147/LH	KIT XLR LEVER LEFT HAND UPPER	Left H-bar lever, positions top bar
	KH147/RH	KIT XLR LEVER RIGHT HAND UPPER	Left H-bar lever, positions lower bar
	KH217/LH	KIT XLR LEVER LEFT HAND UPPER	Full Sprint
	KH217/RH	KIT XLR LEVER RIGHT HAND UPPER	Full Sprint
	KH125/A	KIT,SEALS,100HR TUNE,SUPERMAX PBR/XLR	
	KH076/	KIT REDUCER SOLO AIR TUNE	

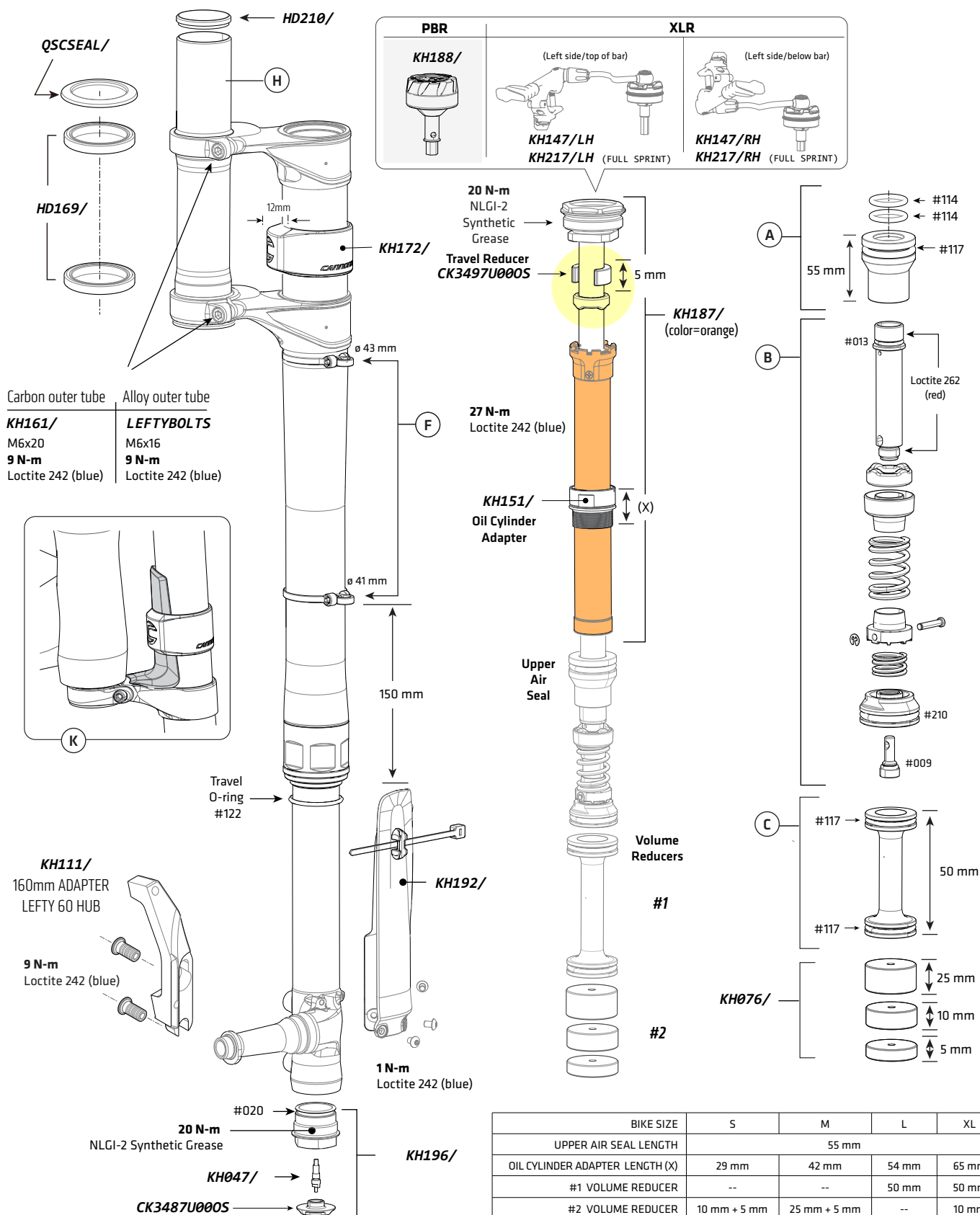
	CODE	STEERER/HEADSET	COMMENT
(H)	KH197/097	KIT,STEERER,L20 THICK FLANGE,097	For 97 mm Headtube Length
	KH197/110	KIT,STEERER,L20 THICK FLANGE,110	For 109 mm Headtube Length
	KH197/122	KIT,STEERER,L20 THICK FLANGE,122	For 122 mm Headtube Length
	KH197/134	KIT,STEERER,L20 THICK FLANGE,134	For 134mm Headtube Length
	QSCSEAL/	KIT,SEAL,UPPER BEARING,60MM OD	
	HD169/	KIT,BEARINGS, HEADSET - 2	includes 2 bearings
	HD210/	KIT, STEERER CAP	

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

LEFTY 2.0

PBR/XLR 120 29" & 27.5"

RECOMMENDED SAG	30-35mm
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):	BAD HABIT, BEAST OF THE EAST



BIKE SIZE	S	M	L	XL
UPPER AIR SEAL LENGTH	55 mm			
OIL CYLINDER ADAPTER LENGTH (X)	29 mm	42 mm	54 mm	65 mm
#1 VOLUME REDUCER	--	--	50 mm	50 mm
#2 VOLUME REDUCER	10 mm + 5 mm	25 mm + 5 mm	--	10 mm
HEADTUBE LENGTH	97 mm	110 mm	122 mm	134 mm
FRAME BUMPER SIZE	12 mm			

LEFTY 2.0 - PBR/XLR 120 29" & 27.5+"			
ITEM	CODE	TELESCOPE	COMMENT
(F)	CK3417U000S	Lefty Brake Hose Guides	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
	KH172/	KIT,FRAME BUMPER,LEFTY 12MM	
	KH192/	KIT GUARD LEFTY HYB 32 LONG	
(K)	KH219/03	KIT, CABLE GRD, LEFTY 2.0, CARBON	
	KH219/04	KIT, CABLE GRD, LEFTY 2.0, ALLOY	
	KH161/	KIT,CLAMP BOLTS 20mm	For carbon outer tube
	LEFTYBOLTS/	KIT,BOLTS,LEFTY CALIPER/CLAMP	For alloy outer tube
	KH111/	KIT,ADAPTER, LEFTY 60, 160	

	CODE	DAMPER	COMMENT
	KH187/	KIT DAMPER, LEFTY 2.0, 120,27	
(A)	CK3467U0055	LEFTY 32 UPPER AIR SEAL 16MM SHAFT 55MM	
(B)	CK5037U000S	2SPRING, LEFTY 32, 16MM	
(C)	CK3477U0050	LEFTY 32 VOLUME REDUCER 50MM	
	CK5407U000S	LEFTY 32 2SPRING 100 HOUR SEAL KIT	100 Hour Seal Kit
	CK3487U000S	LEFTY VALVE CAP	
	CK3497U000S	LEFTY TRAVEL REDUCERS 16MM SHAFT	
	KH191/	KIT SOLO AIR PISTON 120 29/275+	
	KH151/	KIT ADAPT OIL CYLINDER 32 /097/110/122/134	Kit includes multiple adapters, measure headtube to determine correct adapter; DO NOT INTERCHANGE.
	KH188/	KIT PBR KNOB	
	KH147/LH	KIT XLR LEVER LEFT HAND UPPER	Left H-bar lever, positions top bar
	KH147/RH	KIT XLR LEVER RIGHT HAND UPPER	Left H-bar lever, positions lower bar
	KH217/LH	KIT XLR LEVER LEFT HAND UPPER	Full Sprint , positions top bar
	KH217/RH	KIT XLR LEVER RIGHT HAND UPPER	Full Sprint, positions lower bar
	KH125/A	KIT,SEALS,100HR TUNE,SUPERMAX PBR/XLR	
	KH076/	KIT REDUCER SOLO AIR TUNE	

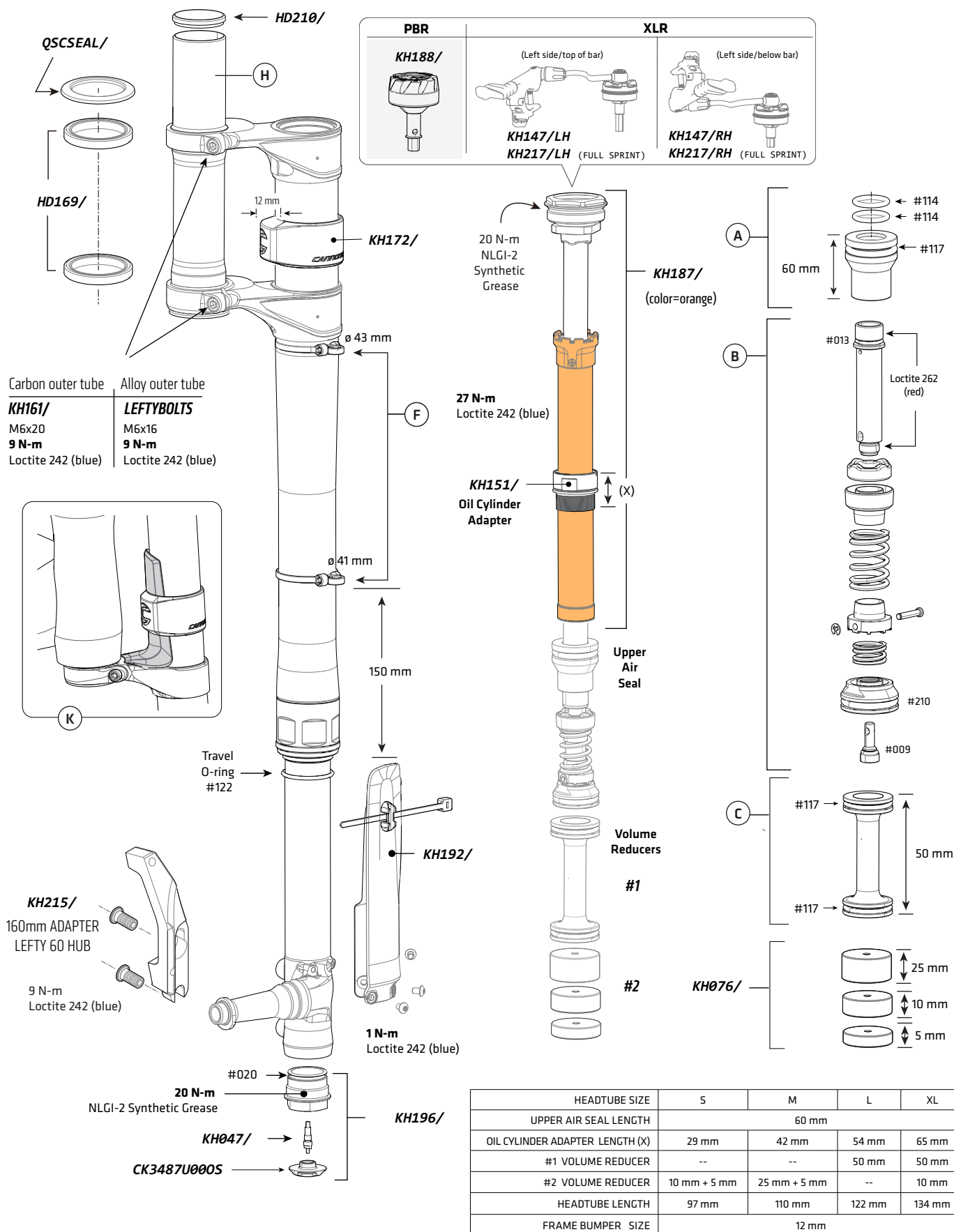
	CODE	STEERER/HEADSET	COMMENT
(H)	KH197/097	KIT,STEERER,L20 THICK FLANGE,097	For 97 mm Headtube Length
	KH197/110	KIT,STEERER,L20 THICK FLANGE,110	For 109 mm Headtube Length
	KH197/122	KIT,STEERER,L20 THICK FLANGE,122	For 122 mm Headtube Length
	KH197/134	KIT,STEERER,L20 THICK FLANGE,134	For 134mm Headtube Length
	QSCSEAL/	KIT,SEAL,UPPER BEARING,60MM OD	
	HD169/	KIT,BEARINGS, HEADSET - 2	includes 2 bearings
	HD210/	KIT, STEERER CAP	

	CODE	SERVICE TOOLS	COMMENT
	KT020/	KIT, TOOL,LEFTY INSTALL	Install/remove steerer, not pictured
	KH127/	KIT, TOOL OUTER CAP 36MM	Install/remove outer cap
	KH198/	KIT, TOOL CASTLE SLIDER 40MM	Install/remove damping cartridge
	KH135/	KIT,TOOL,SHAFT CLAMP, 16MM	Install/remove air piston assy.
	KH136/	KIT,TOOL,BULLET, 16MM	Install upper air seal assy.
	KH057/	KIT, TOOL,LEFTY THREAD REPAIR	Repair spindle threads, not pictured
	QCTL108/	KIT, TOOL, TRUING AXLE	
	KH090/	KIT, 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):	HABIT



LEFTY 2.0 - PBR/XLR 120 27.5"			
ITEM	CODE	TELESCOPE	COMMENT
(F)	CK3417U000S	Lefty Brake Hose Guides	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
	KH172/	KIT,FRAME BUMPER,LEFTY 12MM	
	KH192/	KIT GUARD LEFTY HYB 32 LONG	
(K)	KH219/03	KIT, CABLE GRD, LEFTY 2.0, CARBON	
	KH219/04	KIT, CABLE GRD, LEFTY 2.0, ALLOY	
	KH161/	KIT,CLAMP BOLTS 20mm	For carbon outer tube
	LEFTYBOLTS/	KIT,BOLTS,LEFTY CALIPER/CLAMP	For alloy outer tube
	KH215/	KIT,ADAPTER, LEFTY 60,160	

	CODE	DAMPER	COMMENT
	KH187/	KIT DAMPER, LEFTY 2.0, 120, 27	
(A)	CK3467U0060	Lefty 32 Upper Air Seal 16mm Shaft 60mm	
(B)	CK5037U000S	2Spring, Lefty 32, 16MM	
(C)	CK3477U0050	Lefty 32 Volume Reducer 50mm	
	CK5407U000S	Lefty 32 2Spring 100 Hour Seal Kit	100 Hour Seal Kit
	CK3487U000S	Lefty Valve Cap	
	KH151/	KIT ADAPT OIL CYLINDER 32 /097/110/122/134	Kit includes multiple adapters, measure headtube to determine correct adapter; DO NOT INTERCHANGE.
	KH188/	KIT PBR KNOB	
	KH147/LH	KIT XLR LEVER LEFT HAND UPPER	Left H-bar lever, positions top bar
	KH147/RH	KIT XLR LEVER RIGHT HAND UPPER	Left H-bar lever, positions lower bar
	KH217/LH	KIT XLR LEVER LEFT HAND UPPER	Full Sprint
	KH217/RH	KIT XLR LEVER RIGHT HAND UPPER	Full Sprint
	KH125/A	KIT,SEALS,100HR TUNE,SUPERMAX PBR/XLR	
	KH076/	KIT REDUCER SOLO AIR TUNE	

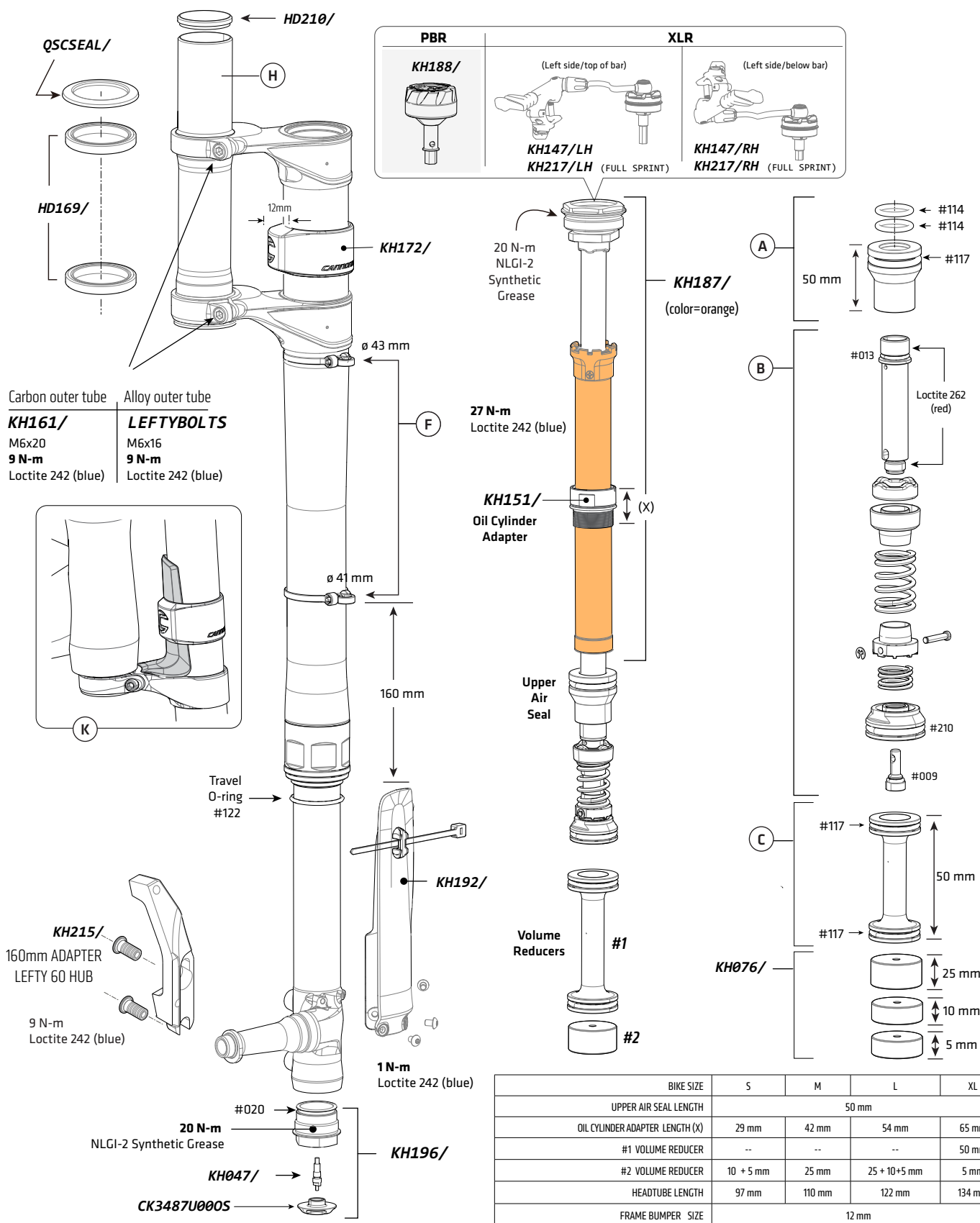
	CODE	STEERER/HEADSET	COMMENT
(H)	KH197/097	KIT,STEERER,L20 THICK FLANGE,097	For 97 mm Headtube Length
	KH197/110	KIT,STEERER,L20 THICK FLANGE,110	For 109 mm Headtube Length
	KH197/122	KIT,STEERER,L20 THICK FLANGE,122	For 122 mm Headtube Length
	KH197/134	KIT,STEERER,L20 THICK FLANGE,134	For 134mm Headtube Length
	QSCSEAL/	KIT,SEAL,UPPER BEARING,60MM OD	
	HD169/	KIT,BEARINGS, HEADSET - 2	includes 2 bearings
	HD210/	KIT, STEERER CAP	

	CODE	SERVICE TOOLS	COMMENT
	KT020/	KIT, TOOL,LEFTY INSTALL	Install/remove steerer, not pictured
	KH127/	KIT, TOOL OUTER CAP 36MM	Install/remove outer cap
	KH198/	KIT, TOOL CASTLE SLIDER 40MM	Install/remove damping cartridge
	KH135/	KIT,TOOL,SHAFT CLAMP, 16MM	Install/remove air piston assy.
	KH136/	KIT,TOOL,BULLET, 16MM	Install upper air seal assy.
	KH057/	KIT, TOOL,LEFTY THREAD REPAIR	Repair spindle threads, not pictured
	QCTL108/	KIT, TOOL, TRUING AXLE	
	KH090/	KIT, TOOL, XLR BLEED	For XLR only

LEFTY 2.0

PBR/XLR 130 27.5"

RECOMMENDED SAG	35-40mm
TRAVEL LENGTH	130 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):	HABIT SE



BIKE SIZE	S	M	L	XL
UPPER AIR SEAL LENGTH	50 mm			
OIL CYLINDER ADAPTER LENGTH (X)	29 mm	42 mm	54 mm	65 mm
#1 VOLUME REDUCER	--	--	--	50 mm
#2 VOLUME REDUCER	10 + 5 mm	25 mm	25 + 10+5 mm	5 mm
HEADTUBE LENGTH	97 mm	110 mm	122 mm	134 mm
FRAME BUMPER SIZE	12 mm			

LEFTY 2.0 - PBR/XLR 130 27.5"			
ITEM	CODE	TELESCOPE	COMMENT
(F)	CK3417U000S	Lefty Brake Hose Guides	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
	KH172/	KIT,FRAME BUMPER,LEFTY 12MM	
	KH192/	KIT GUARD LEFTY HYB 32 LONG	
(K)	KH219/03	KIT, CABLE GRD, LEFTY 2.0, CARBON	
	KH219/04	KIT, CABLE GRD, LEFTY 2.0, ALLOY	
	KH161/	KIT,CLAMP BOLTS 20mm	For carbon outer tube
	LEFTYBOLTS/	KIT,BOLTS,LEFTY CALIPER/CLAMP	For alloy outer tube
	KH215/	KIT,ADAPTER, KIT,ADAPTER, LEFTY 60,160	

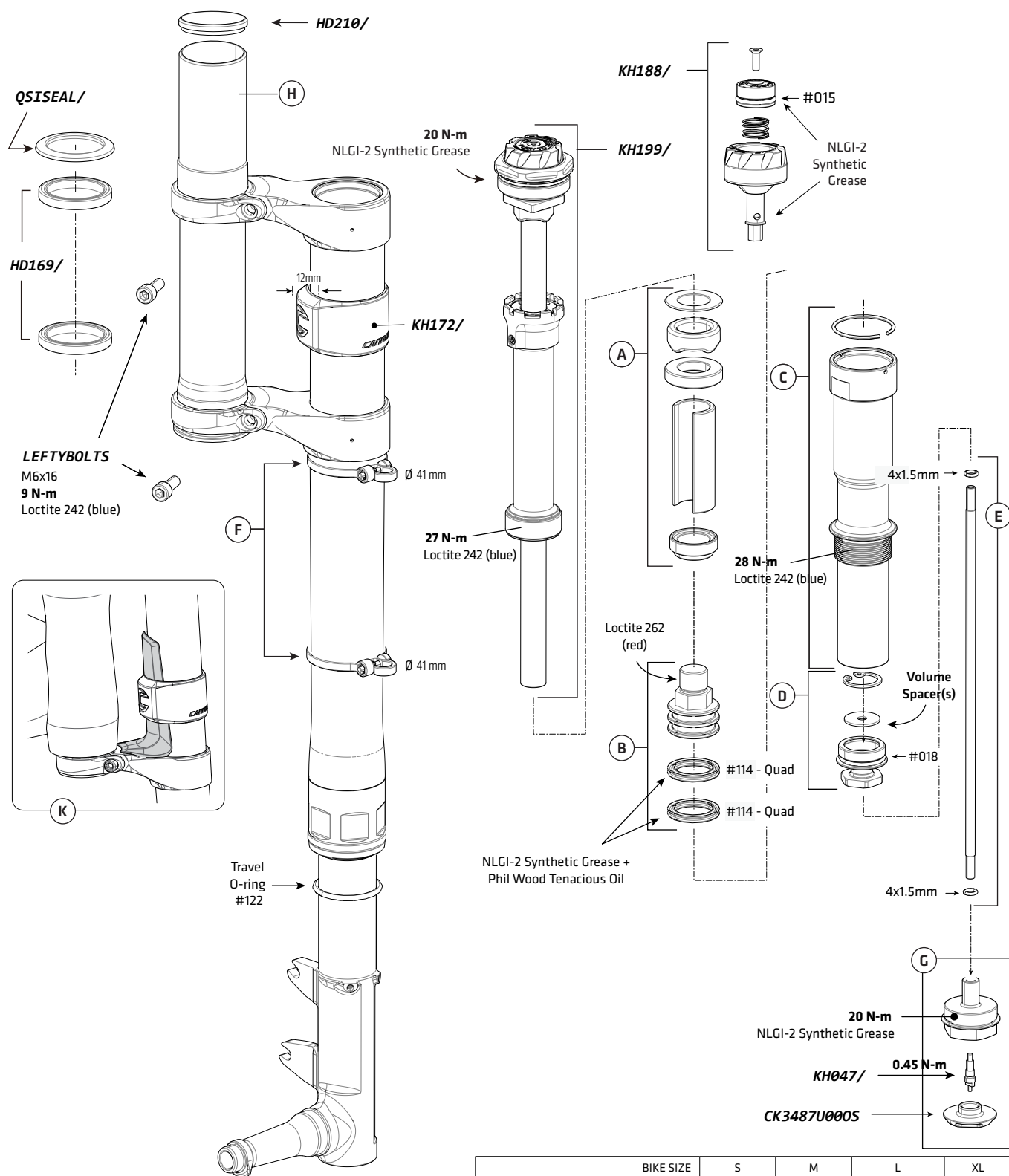
	CODE	DAMPER	COMMENT
	KH187/	KIT DAMPER, LEFTY 2.0, 120,27	
(A)	CK3467U0050	Lefty 32 Volume Reducer 50mm	
(B)	CK5037U000S	2Spring, Lefty 32, 16MM	
(C)	CK3477U0050	Lefty 32 Volume Reducer 50mm	
	CK5407U000S	Lefty 32 2Spring 100 Hour Seal Kit	100 Hour Seal Kit
	CK3487U000S	Lefty Valve Cap	
	KH151/	KIT ADAPT OIL CYLINDER 32 /097/110/122/134	Kit includes multiple adapters, measure head tube to determine correct adapter; DO NOT INTERCHANGE.
	KH125/A	KIT,SEALS,100HR TUNE,SUPERMAX PBR/XLR	
	KH188/	KIT PBR KNOB	
	KH147/LH	KIT XLR LEVER LEFT HAND UPPER	Left H-bar lever, positions top bar
	KH147/RH	KIT XLR LEVER RIGHT HAND UPPER	Left H-bar lever,positions lower bar
	KH217/LH	KIT XLR LEVER LEFT HAND UPPER	Full Sprint, positions top bar
	KH217/RH	KIT XLR LEVER RIGHT HAND UPPER	Full Sprint, positions lower bar
	KH076/	KIT REDUCER SOLO AIR TUNE	

	CODE	STEERER/HEADSET	COMMENT
(H)	KH197/097	KIT,STEERER,L20 THICK FLANGE,097	For 97 mm Headtube Length
	KH197/110	KIT,STEERER,L20 THICK FLANGE,110	For 109 mm Headtube Length
	KH197/122	KIT,STEERER,L20 THICK FLANGE,122	For 122 mm Headtube Length
	KH197/134	KIT,STEERER,L20 THICK FLANGE,134	For 134mm Headtube Length
	QSCSEAL/	KIT,SEAL,UPPER BEARING,60MM OD	
	HD169/	KIT,BEARINGS, HEADSET - 2	includes 2 bearings
	HD210/	KIT, STEERER CAP	

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

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



BIKE SIZE	S	M	L	XL
AIR CYLINDER ADAPTER LENGTH (X)	70 mm	95 mm	120 mm	
AIR TRANSFER TUBE LENGTH (Y)	219.5 mm	244.2 mm	269.6 mm	
HEAD TUBE LENGTH	110 mm	134 mm	160 mm	
VOLUME SPACER QTY	0	1	2	
FRAME BUMPER SIZE	12 mm			

2017 LEFTY OLIVER - PBR 30 650B			
ITEM	CODE	TELESCOPE	COMMENT
(F)	CK3417U000S	LEFTY BRAKE HOSE GUIDES	Contains multiple clamp types/size , select appropriate. Use 41mm.
	KH172/	KIT, FRAME BUMPER, LEFTY 12 MM	
(K)	KH219/01	KIT, CABLE GRD, LEFTY 1.0 /OLIVER, CARBON	
	LEFTYBOLTS/	KIT, BOLTS, LEFTY CALIPER/CLAMP	

ITEM	CODE	DAMPER	COMMENT
	KH199/	KIT,DAMPER, OLIVER	
(A)	CK3507U0063	LEFTY OLIVER TOPOUT SPACERS 63 MM	
(B)	CK3517U000S	LEFTY OLIVER AIR PISTON	
(C)	CK3527U00SM	LEFTY OLIVER AIR CYLINDER SM	
	CK3527U00MD	LEFTY OLIVER AIR CYLINDER MD	
	CK3527U00LG	LEFTY OLIVER AIR CYLINDER L/XL	
(D)	CK3537U000S	LEFTY OLIVER AIR CAP	
(E)	CK3547U00SM	LEFTY OLIVER AIR TRANSFER TUBE SM	
	CK3547U00MD	LEFTY OLIVER AIR TRANSFER TUBE MD	
	CK3547U00LG	LEFTY OLIVER AIR TRANSFER TUBE L/XL	
	KH203/	KIT, SEALS, 100HR TUNE, OLIVER	
(G)	KH201/	KIT, SCHRADER PLUG, OLIVER	
	CK3487U000S	LEFTY VALVE CAP	

ITEM	CODE	STEERER/HEADSET	COMMENT
(H)	KH193/110	KIT, STEERER, L10, 110	For 110 mm Headtube
	KH193/134	KIT, STEERER, L10, 134	For 134 mm Headtube
	KH193/160	KIT, STEERER, L10, 160	For 160 mm Headtube
	QSISEAL/	KIT, SEAL, UPPER BEARING 58MM OD	
	HD169/	KIT,BEARINGS, HEADSET - 2	includes 2 bearings

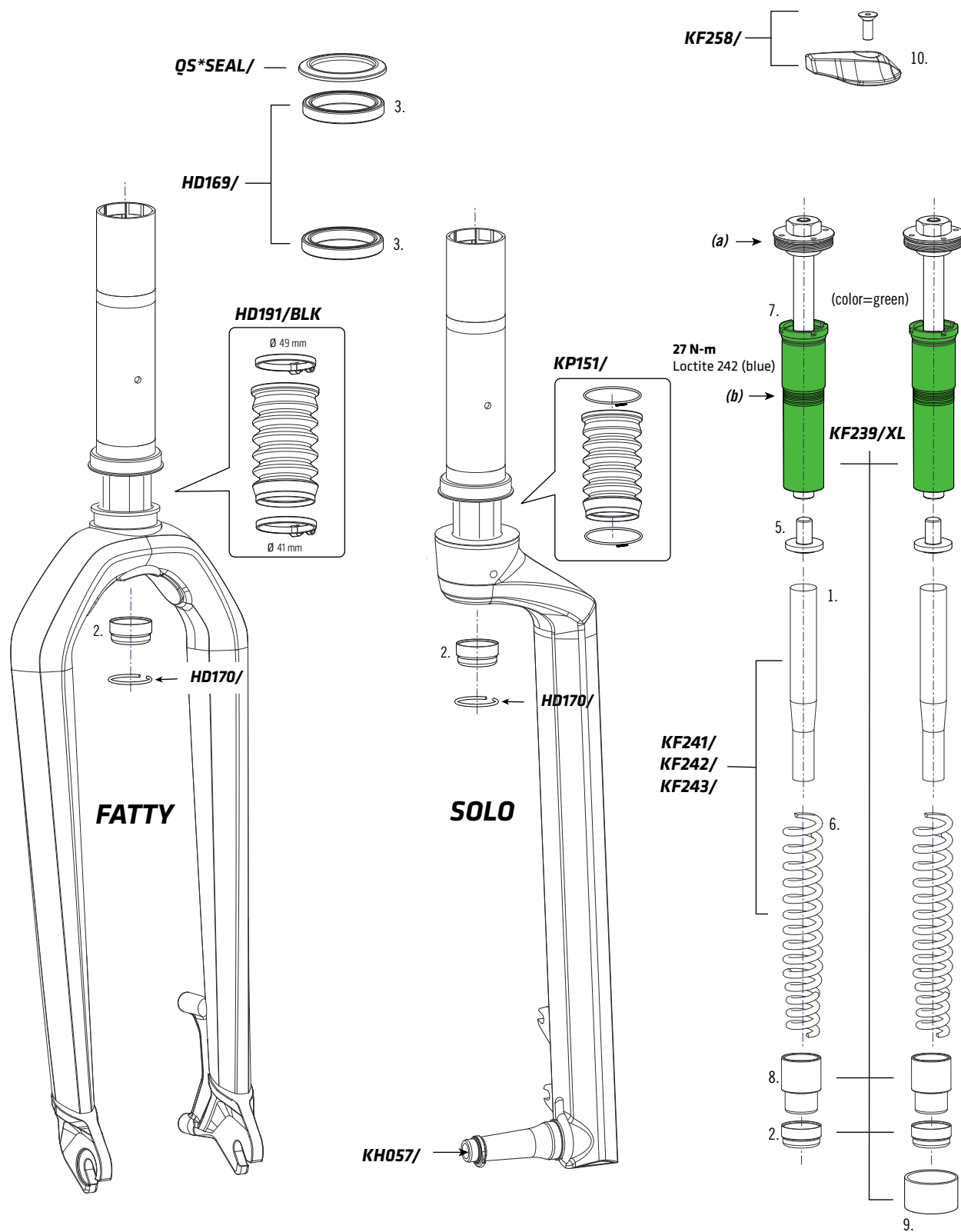
ITEM	CODE	WHEEL HUB	COMMENT
	QC117/	KIT, AXLE CAP and BOLT LEFTY 50	
	KB61805/	INNER HUB BEARING	
	KB61902/	OUTER HUB BEARING	

ITEM	CODE	SERVICE TOOLS	COMMENT
	KT020/	KIT, TOOL,LEFTY INSTALL	Install/remove steerer
	KH127/	KIT, TOOL OUTER CAP 36MM	Install/remove outer cap
	KH200/	KIT, TOOL, CASTLE SLIDER, 20.3MM	
	HDTL187/	KIT, TOOL, SHAFT CLAMPS 1/2"	
	HDTL168/	KIT, TOOL, BULLET TOOL 1/2"	
	KH057/	KIT, TOOL,LEFTY THREAD REPAIR	Repair spindle threads
	QCTL108/	KIT, TOOL, TRUING AXLE	
	KH240/		

FATTY / SOLO DL50

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

CARTRIDGE KIT	KF239/XL	
HEADTUBE LENGTH	134 mm	160 mm
CROWN HEIGHT	478 mm	478 mm
Item 9.	NO	YES



CODE	TELESCOPE PARTS	COMMENT
KF119/	KIT, RACE CLIP, METRIC	
HD191/BLK	KIT, BOOT, HEADSHOK	
QSMSEAL/	KIT, SEAL, UPPER BEARING, 50MM OD	
QSISEAL/	KIT, SEAL, UPPER BEARING, 58MM OD	
QSCSEAL/	KIT, SEAL, UPPER BEARING, 60MM OD	
HD169/	KIT, BEARINGS, HEADSET - 2	

CODE	DAMPER PARTS	COMMENT
KF239/XL	KIT,DAMPER,DL50XL	
KF241/	KIT,SPRING,DL50,SOFT	
KF242/	KIT,SPRING,DL50,STD	
KF243/	KIT,SPRING,DL50,FIRM	
KF258/	KIT,LEVER,LO,DL80/50	
KF236/	KIT,SEALS,DL50,DL80,DLR80	

CODE	SERVICE TOOLS	COMMENT
HDTL149/	KIT,TOOL,HEADSHOK INSTALL	
HD136/	KIT,TOOL,OUTER CAP PIN	
KH031/	KIT,TOOL,CASTLE TOOL-SUPER BLACK	
KT016/	KIT,TOOL,BEARING RESET,ENGLISH & METRIC	

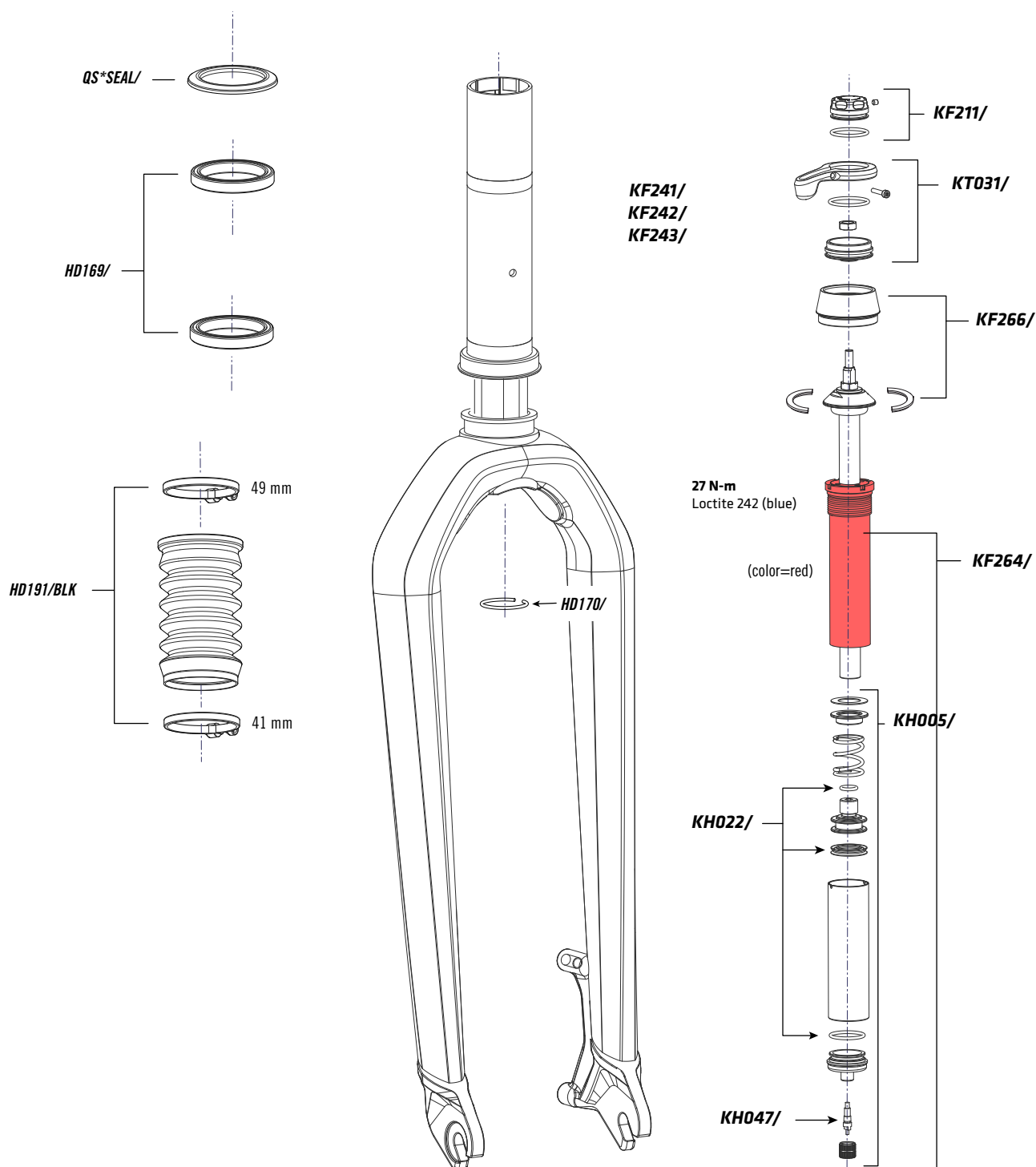
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|----------------------|-----------------------------|
| 1. Elastomer | 8. Spring Spacer |
| 2. Bottom Plug | 9. DL50 XL TELEScope Spacer |
| 3. Bearing | 10. Lockout Lever |
| 4. DD Cap Bolt | |
| 5. DL50 Spring Perch | |
| 6. DL50 Spring | |
| 7. Damping Cartridge | |

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.

FATTY DLR 80

RECOMMENDED SAG	10-20mm
TRAVEL	80 mm
MANUAL RESET LENGTH	N/A
PRESSURE LIMITS	MIN. 75 psi/ MAX. 150psi
OFFSET	45 mm
INTENDED USE	ASTM CONDITION 3, XC CROSS-COUNTRY



CODE	TELESCOPE PARTS	COMMENT
KF119/	KIT, RACE CLIP, METRIC	
HD191/BLK	KIT, BOOT, HEADSHOK	
QSMSEAL/	KIT, SEAL, UPPER BEARING, 50MM OD	
QSISEAL/	KIT, SEAL, UPPER BEARING, 58MM OD	
QSCSEAL/	KIT, SEAL, UPPER BEARING, 60MM OD	
HD169/	KIT, BEARINGS, HEADSET - 2	

CODE	DAMPER PARTS	COMMENT
KF264/	KIT,DAMPER,DLR80,STD	
KH047/	KIT,VALVE CORES /10	
HD170/	KIT,CIRCLIPS,HEADSHOK /12	
KH005/	KIT,AIR CYLINDER,DL80/DLR80	
KH022/	KIT,SEALS,DLR80/DL80 AIR CYLINDER	
KF266/	KIT,SPLIT RING /2 W/CAP DLR80	
KT031/	KIT,LEVER,LO,DLRSL, 2PC	
KF211/	KIT,KNOB,REBOUND	
KF236/	KIT,SEALS,DL50,DL80,DLR80	
KT032/	KIT,SHIM,VALVING,DL80/DLR80	

CODE	SERVICE TOOLS	COMMENT
KH031/	KIT,TOOL,CASTLE TOOL-SUPER BLACK	
HDTL187/	KIT,TOOL,SHAFT CLAMP,1/2",BLK	
KT016/	KIT,TOOL,BEARING RESET,ENGLISH & METRIC	
HDTL149/	KIT,TOOL,HEADSHOK INSTALL	

LEFTY DECAL KITS

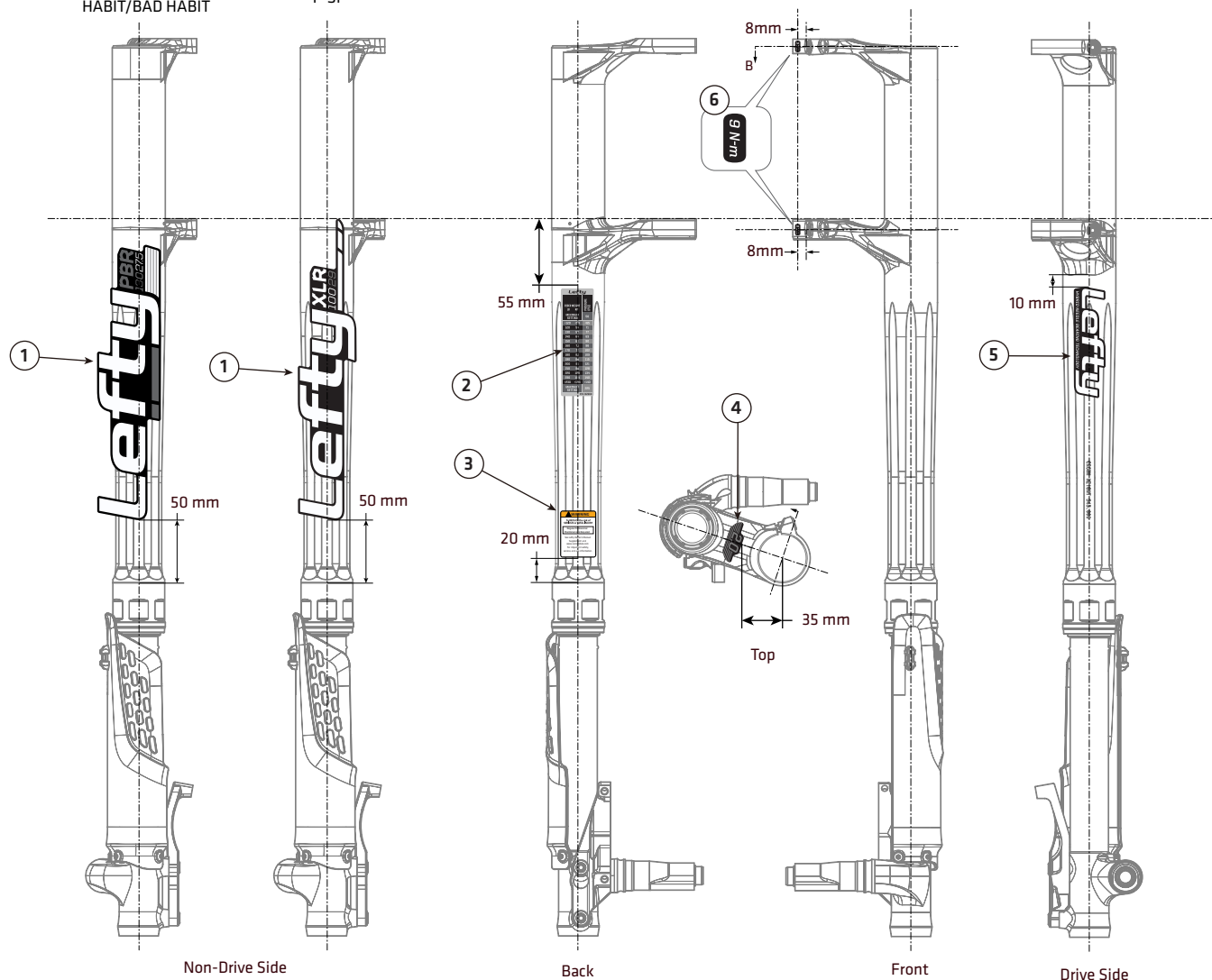
CODE	DESCRIPTION	2017 BIKE MODEL
CK5387U000S	Lefty Decals Scalpel 29 Al	Scalpel SI Carbon 3 BBQ
		Scalpel SI Carbon 3 GRN
		Scalpel SI Carbon 4 AGR
		Scalpel SI Carbon 4 SLV
		Scalpel SI Alloy 5 BLK
CK5397U000S	Lefty Decals Scalpel 27 Al	Scalpel SI Carbon 3 BBQ
		Scalpel SI Carbon 3 GRN
		Scalpel SI Carbon 4 AGR
		Scalpel SI Carbon 4 SLV
		Scalpel SI Alloy 5 BLK
CK5137U000S	Lefty Decals Scalpel 29 Crb	Scalpel SI Alloy 2 Women ANT
		Scalpel SI Black Inc
		Scalpel SI Carbon Race REP
		Scalpel SI Carbon Team REP
		Scalpel SI Carbon 1 ARD
CK5147U000S	Lefty Decals Scalpel 27 Crb	Scalpel SI Carbon 2 BLK
		Scalpel SI Carbon 2 ORG
		Scalpel SI Black Inc
		Scalpel SI Carbon Race REP
		Scalpel SI Carbon Team REP
CK5077U000S	Lefty Decals Habit Al	Scalpel SI Carbon 1 ARD
		Scalpel SI Carbon 2 BLK
		Scalpel SI Carbon 2 ORG
		Scalpel SI Carbon 1 Women BLK
		HABIT 2 VUG
CK5087U000S	Lefty Decals Habit Crb	HABIT 3 ARD
		HABIT 4 BBQ
		HABIT SE PUR
		HABIT WOMEN 1 SRF
		HABIT WOMEN 2 ANT
CK5097U000S	Lefty Decals Bad Habit/BOE	HABIT BLE
		HABIT 1 MDN
		BAD HABIT 1 NSP
CK5107U000S	Lefty Decals FSi 29 Al	BAD HABIT 2 DGR
		BOE 1 TEA
		F-SI 2 MDN 29
		F-SI 2 ORG 29
		F-SI 3 NBL 29
		F-SI 3 NSP 29
		F-SI 4 ANT 29
CK5117U000S	Lefty Decals FSi 27 Al	F-SI 4 BLK 29
		F-SI ALLOY 1 BBQ 29
		F-SI 2 MDN 27
		F-SI 2 ORG 27
		F-SI 3 NBL 27
		F-SI 3 NSP 27
		F-SI 4 ANT 27
CK5127U000S	Lefty Decals FSi 29 Crb	F-SI 4 BLK 27
		F-SI WOMEN 1 NBL
		F-SI WOMEN 2 BLK
CK5157U000S	Lefty Decals FSi 27 Crb	F-SI BLE 29
		F-SI TEAM GRN 29
		F-SI 1 ARD 29
CK5157U000S	Lefty Decals FSi 27 Crb	F-SI BLE 27
		F-SI TEAM GRN 27
		F-SI 1 ARD 27
		SCALPEL-SI 1 WOMEN BLK

LEFTY DECALS PLACEMENT

072616

SCALPEL Si
HABIT/BAD HABIT

F-Si



Kit Contents:

Each "CODE" includes decals 1,2,3,4,5, and 6 on a single decal sheet. Multiple 2017 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)

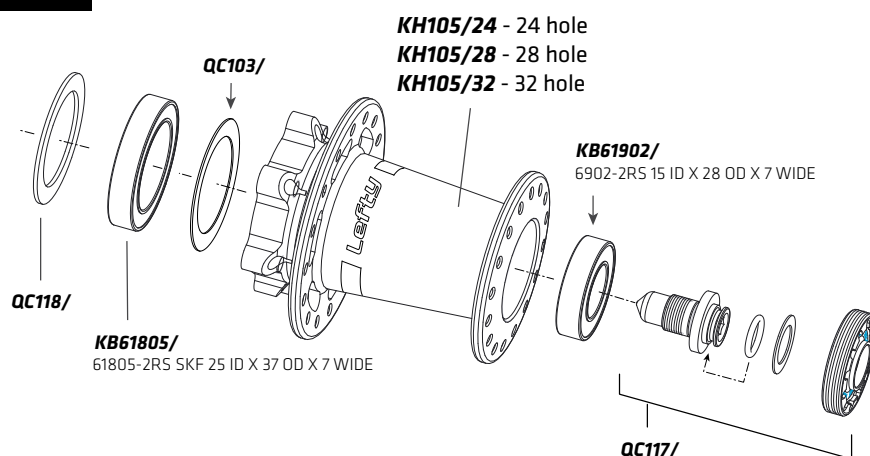
Application:

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.

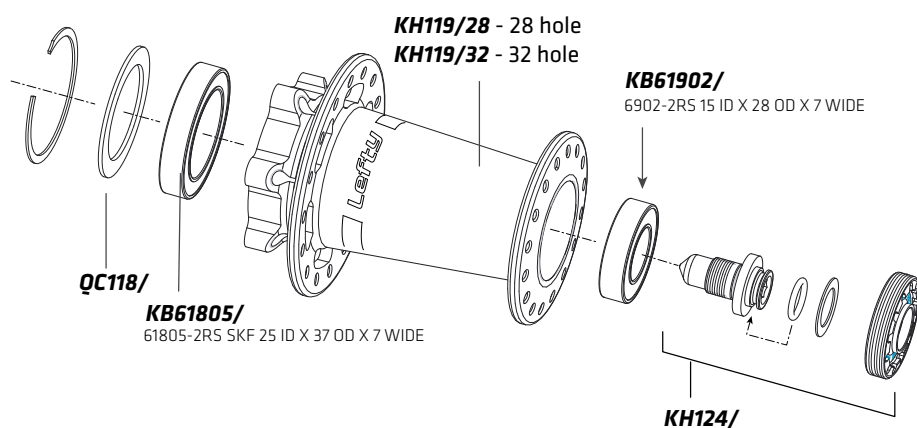
Align the decals to the fork as shown above.

LEFTY WHEEL HUB AND BRAKE ADAPTERS

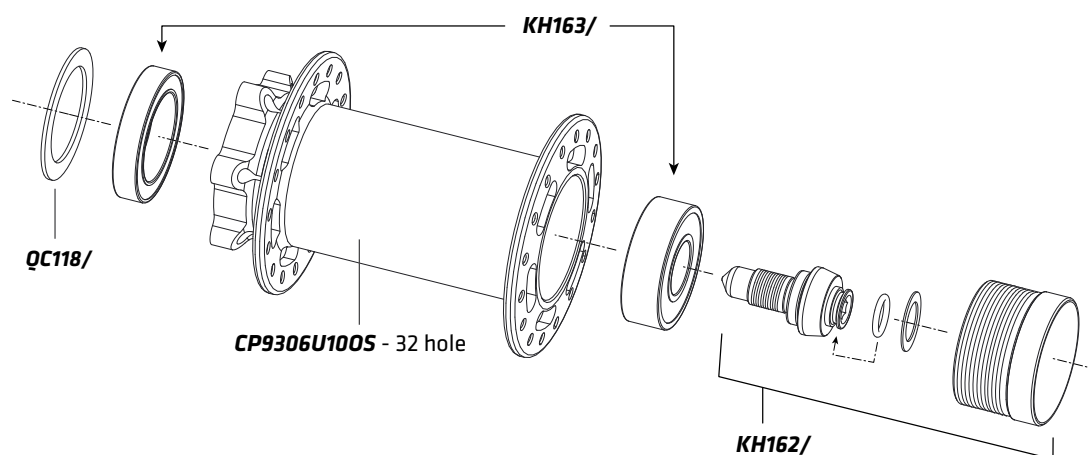
LEFTY 50



LEFTY 60



LEFTY 73



The diagram illustrates a cross-section of a wheel hub. A horizontal dashed line represents the centerline of the wheel. Dimension A is the total width of the hub assembly. Dimension B is the width of the disc flange. Dimension C is the distance from the disc flange to the centerline. Dimension D is the distance from the non-disc flange to the centerline.

DIMENSIONS FOR WHEEL BUILDING (mm)		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

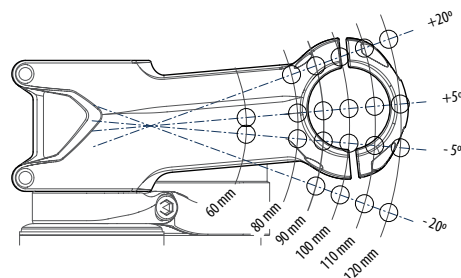
Brake Adapter Chart

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

PART NUMBER	FORK PLATFORM	HUB TYPE	WHEEL SIZE	FORK OFFSET	ROTOR SIZE*
KH112/	Lefty 2.0	Lefty 50	29" / 27.5" +	55mm	160mm
	Olaf	Lefty 73	26" Fat	60mm	180mm
	SuperMax	Lefty 50	29"	60mm	180mm
KH111/	Lefty 2.0	Lefty 60	29"	55mm	160mm
	SuperMax	Lefty 60	29" / 27.5" +	60mm	180mm
KH131/	SuperMax	Lefty 50	27.5"	50mm	180mm
KH130/	SuperMax	Lefty 60	27.5"	50mm	180mm
KH215/	Lefty 2.0	Lefty 60	27.5"	50mm	160mm
	Lefty 2.0	Lefty 60	29"	50mm	160mm
N/A	Lefty 2.0	Lefty 50	27.5"	50mm	160mm
N/A	Oliver	Lefty 50	650b	45mm	160mm

*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

CODE	DESCRIPTION	H-BAR DIA.	RISE°	LENGTH
QSE060X05HS/BBQ	STEM, MTN, HSHK, 31.8, 05D, 60	31.8 mm	+/- 5	60 mm
QSE080X05HS/BBQ	STEM, MTN, HSHK, 31.8, 05D, 80	31.8 mm	+/- 5	80 mm
QSE090X05HS/BBQ	STEM, MTN, HSHK, 31.8, 05D, 90	31.8 mm	+/- 5	90 mm
QSE100X05HS/BBQ	STEM, MTN, HSHK, 31.8, 05D, 100	31.8 mm	+/- 5	100 mm
QSE110X05HS/BBQ	STEM, MTN, HSHK, 31.8, 05D, 110	31.8 mm	+/- 5	110 mm
QSE120X05HS/BBQ	STEM, MTN, HSHK, 31.8, 05D, 120	31.8 mm	+/- 5	120 mm
QSE080X20HS/BBQ	STEM, MTN, HSHK, 31.8, 20D, 80	31.8 mm	+/- 20	80 mm
QSE090X20HS/BBQ	STEM, MTN, HSHK, 31.8, 20D, 90	31.8 mm	+/- 20	90 mm
QSE100X20HS/BBQ	STEM, MTN, HSHK, 31.8, 20D, 100	31.8 mm	+/- 20	100 mm
QSE110X20HS/BBQ	STEM, MTN, HSHK, 31.8, 20D, 110	31.8 mm	+/- 20	110 mm
QSE120X20HS/BBQ	STEM, MTN, HSHK, 31.8, 20D, 120	31.8 mm	+/- 20	120 mm

For Headshok Stems only

KH049/STD	KIT,STEERER,LEFTY HSHK STEM/STD - 134mm headtube length, fits Lefty 1.0
KH049/XL	KIT,STEERER,LEFTY HSHK STEM/XL - 160mm headtube length, fits Lefty 1.0 XL

1.5" STEMS

CODE	DESCRIPTION	H-BAR DIA.	RISE°	LENGTH
QSE060X0515/BBQ	STEM, MTN, 1.5", 31.8, 05D, 60	31.8 mm	+/- 5	60
QSE080X0515/BBQ	STEM, MTN, 1.5", 31.8, 05D, 80	31.8 mm	+/- 5	80
QSE090X0515/BBQ	STEM, MTN, 1.5", 31.8, 05D, 90	31.8 mm	+/- 5	90
QSE100X0515/BBQ	STEM, MTN, 1.5", 31.8, 05D, 100	31.8 mm	+/- 5	100
QSE110X0515/BBQ	STEM, MTN, 1.5", 31.8, 05D, 110	31.8 mm	+/- 5	110
QSE120X0515/BBQ	STEM, MTN, 1.5", 31.8, 05D, 120	31.8 mm	+/- 5	120
QSE080X2015/BBQ	STEM, MTN, 1.5", 31.8, 20D, 80	31.8 mm	+/- 20	80
QSE090X2015/BBQ	STEM, MTN, 1.5", 31.8, 20D, 90	31.8 mm	+/- 20	90
QSE100X2015/BBQ	STEM, MTN, 1.5", 31.8, 20D, 100	31.8 mm	+/- 20	100
QSE110X2015/BBQ	STEM, MTN, 1.5", 31.8, 20D, 110	31.8 mm	+/- 20	110
QSE120X2015/BBQ	STEM, MTN, 1.5", 31.8, 20D, 120	31.8 mm	+/- 20	120

FOR HEADSHOK STEMS ONLY

KH197/097	KIT, STEERER, L20, THICK FLANGE, 097 - 97mm headtube length, fits Lefty 2.0 and Supermax
KH197/110	KIT, STEERER, L20, THICK FLANGE, 110 - 110mm headtube length, fits Lefty 2.0 and Supermax
KH197/122	KIT, STEERER, L20, THICK FLANGE, 122 - 122mm headtube length, fits Lefty 2.0 and Supermax
KH197/134	KIT, STEERER, L20, THICK FLANGE, 134 - 134mm headtube length, fits Lefty 2.0 and Supermax
KH193/110	KIT, STEERER, L10, 110 - 110mm headtube length, fits Lefty Oliver
KH193/134	KIT, STEERER, L10, 134 - 134mm headtube length, fits Lefty Oliver and Lefty 1.0
KH193/160	KIT, STEERER, L10, 160 - 160mm headtube length, fits 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.

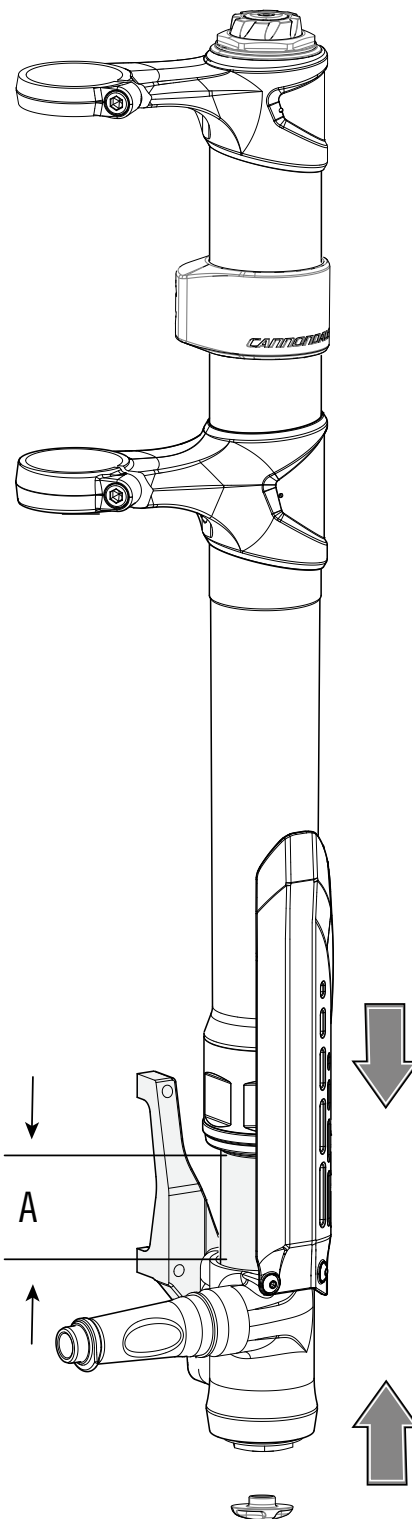


WARNING

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 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	TRAVEL/WHEEL mm/in	(A) MANUAL RESET LENGTH mm +/- 3
LEFTY 2.0	100 / 29	35
	100 / 27.5	15
	120 / 27.5	25
	120/29, 27.5+	35
	130 / 27.5	25
SUPERMAX	130 / 27.5	25
	140 / 27.5	25
	160 / 27.5	25
OLAF	100 / 26	35
OLIVER	30/650B	3



Measure Fully Compressed

BRAKE ROUTING

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

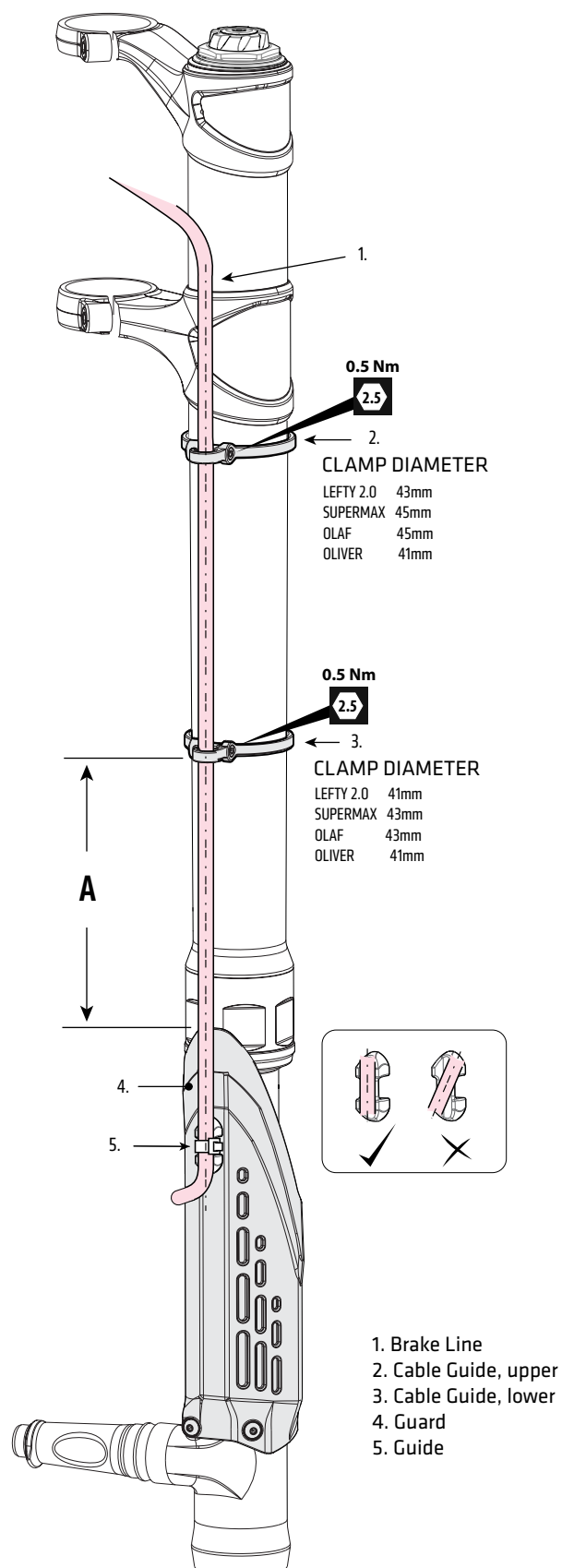
Tighten with a zip tie tool. Insufficient zip tie tension (fingers only) can permit line movement in the guide.

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	TRAVEL/ WHEEL mm/ in	(A) TRAVEL + 30mm
LEFTY 2.0	100 / 29	130
	100 / 27.5	130
	120 / 27.5/29	150
	130 / 27.5	160
SUPERMAX	140 / 27.5	170
	160 / 27.5	190
OLAF	100 / 26	130
OLIVER	30/650	N/A



LEFTY ALTERNATE BRAKE LINE ROUTING

For Calipers with Non-Adjustable Brake Line Connection

Alternate Brake Routing

Some brake calipers have a fixed, non-adjustable brake line connection preventing conventional routing of the brake line to the fork guard cable guide.

The brake line routing path shown in the Lefty Owner's Manual Supplement works best with calipers having an adjustable line fitting that can be shifted to avoid excessive bending of the line.

The brake line routing shown here allows proper positioning to eliminate excessive bending of the brake line when a non-adjustable brake line connection is not present.

Instructions

Position the upper cable guide 1 cm below the bottom edge of the lower clamp and rotate the hook inward so it is facing the tire--3 o'clock position from rider's perspective.

Position the lower cable guide so the that the cable guide loop is facing straight back--6 o'clock position from riders perspective.

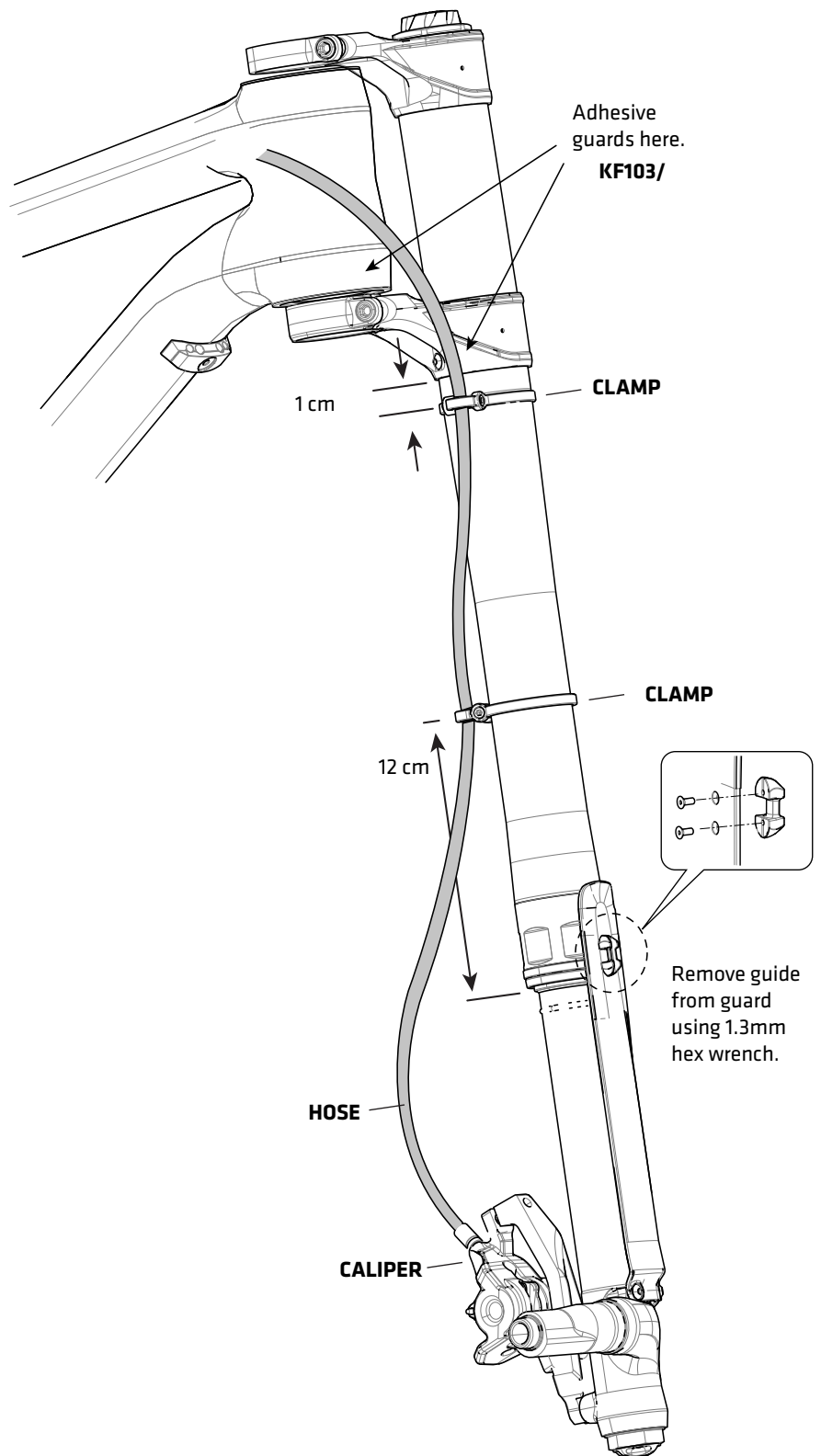
With the cable guides in these positions, the brake line will be free to move without binding and contacting the Lefty or frame.

NOTICE

Check routing periodically.

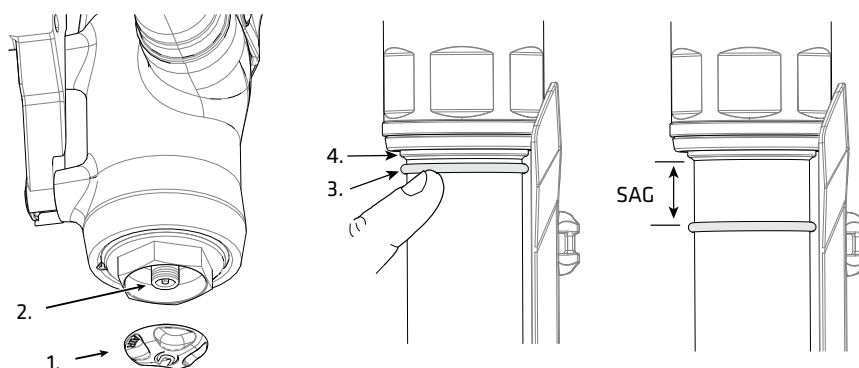
Be sure to place adhesive guard protection on the Lefty and the frame to protect from a moving brake line.

Over time, rubbing that occurs can cause serious abrasion damage not covered by your Cannondale Limited Warranty.



2017 LEFTY STARTING AIR PRESSURES

RIDER WT.		SLATE OLIVER 30mm	SCALPEL, F-SI LEFTY 2.0 100mm	HABIT, BAD HABIT LEFTY 2.0 120mm/130mm	FAT CAAD OLAF 100mm	TRIGGER, JEKYLL SUPERMAX 2.0 140mm/160mm
LB	KG					
MINIMUM (PSI)		50	50	50	50	50
<120	<54	< 110	< 65	< 65	50	<56
120	54	110	71	71	55	56
130	59	120	77	77	60	60
140	64	130	83	83	64	62
150	68	140	90	90	68	68
160	73	150	96	96	73	70
170	77	160	102	102	78	72
180	82	170	109	109	82	82
190	86	180	115	115	87	84
200	91	190	121	121	91	90
210	95	200	128	128	96	96
220	100	210	134	134	100	100
230	104	220	140	140	105	105
>230	>104	>220	>140	> 140	> 105	> 105
MAXIMUM (PSI)		250	225	225	225	225



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.

7. 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

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

LEFTY 2.0 OIL CYLINDER ADAPTER INSTRUCTIONS

Removal/Installation

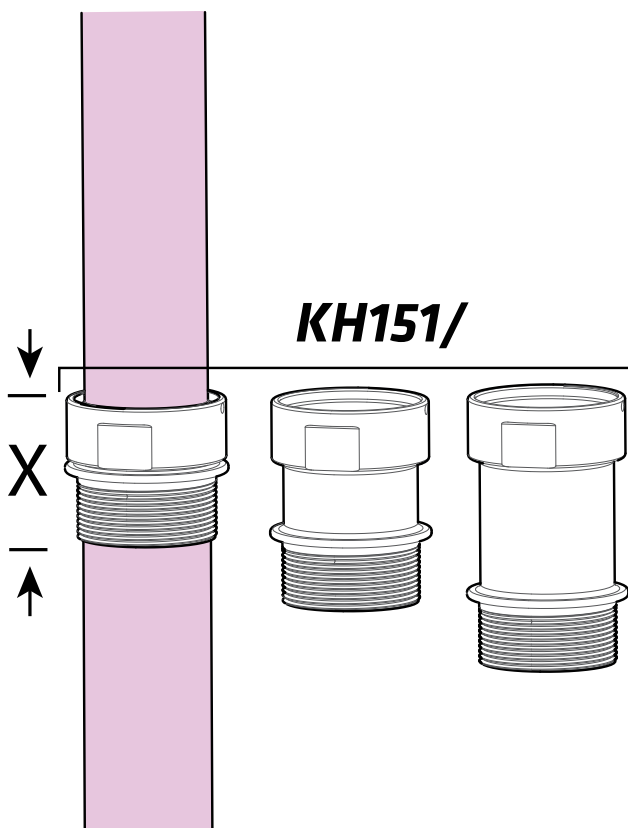
Select the appropriate length oil cylinder adapter (1) for the headtube length. See table.

NOTICE:

USE ONLY THE ADAPTER INDICATED FOR THE HEADTUBE LENGTH. DO NOT MODIFY THE DAMPER IN ANY WAY.

Kit **KH151/** includes multiple adapters and round ring (2).

OIL CYLINDER ADAPTER LENGTH - (X)	HEAD TUBE LENGTH
29 mm	97 mm
42 mm	110 mm
54 mm	122 mm
65 mm	134 mm



1. Hold the top of the oil cylinder with a castle tool and turn the oil cylinder adapter with wrench flats to loosen it.
2. Insert a pick through the small hole (a) in the adapter to push the snap ring up and out.
3. Now the adapter may slide down and off the lower shaft end of the damper.

To install the adapter, position snap ring above the oil cylinder threads, slide the selected adapter onto the oil cylinder as shown and thread it onto the oil cylinder thread completely. Tighten it snugly with the open end wrench and castle tool.

Next, insert the snap ring into the installed oil cylinder adapter.

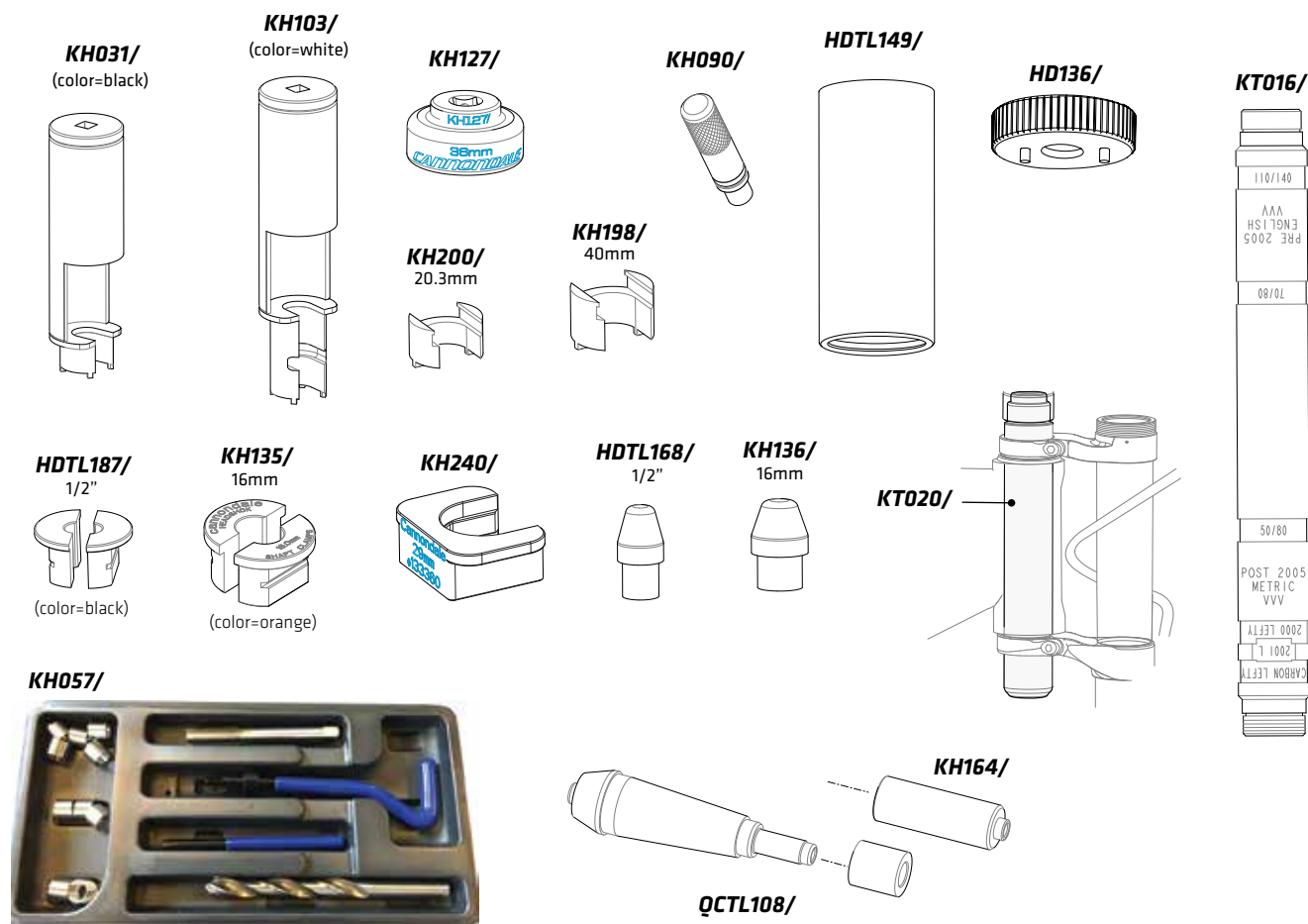
Use the pick to make sure the snap ring is completely seated into the groove in the top of the adapter.

Reinstall the 2Springs piston.

When installing the damper into the fork, apply Loctite 242 (blue) to the oil cylinder adapter threads and tighten the damping cartridge with a torque wrench to 27Nm.



COMMON SHOP SERVICE TOOLS



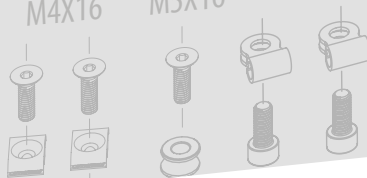
CODE	DESCRIPTION	USE
KT016/	KIT TOOL BEARING RESET	Headshok/Solo Needle Bearing Reset
HDTL168/	BULLET TOOL 1/2"	Prevent Damage of O-rings During Re-Assembly of Upper Air Seals
KH136/	KIT TOOL BULLET 16MM	Prevent Damage of O-rings During Re-Assembly of Upper Air Seals
KH200/	TOOL, CASTLE SLIDER, 20.3MM	Oliver Damper Removal
KH198/	KIT, TOOL, CASTLE SLIDER, 40MM	Lefty 2.0, Supermax, Olaf Damper Removal
KH031/	KIT TOOL CASTLE TOOL-SUPER BLACK	Lefty 1.0 (Booted) Damper Removal
KH103/	KIT TOOL CASTLE TOOL-SUPER HYBRID WHITE	Lefty 1.0 (Hybrid) Damper Removal
HDTL149/	KIT TOOL HS BEARING/CROWN RACE	Install Headshok Headset Bearings
KH057/	KIT TOOL LEFTY SPINDLE REPAIR	Replace Damaged Lefty Axle Threads
KT020/	KIT TOOL LEFTY STEERER INSTALL	Install Lefty Steerer into Frame
QCTL108/	KIT TOOL LEFTY TRUING AXLE	Truing of Lefty 50 Hub & Lefty 60 Hub Equipped Wheels
KH127/	KIT TOOL OUTER CAP 36MM	Removal of Outer Cap of Lefty 2.0, Supermax, Olaf, and Oliver
HDTL187/	KIT, TOOL, SHAFT CLAMPS 1/2"	Clamp Lower Shaft of Lefty 1.0 and Oliver Damper
KH135/	KIT TOOL SHAFT CLAMP 16MM	Clamp Lower Shaft of Lefty 2.0, Supermax, and Olaf Damper
KH164/	KIT TOOL TRUING AXLE ADAPTER FATMAX	Truing of Lefty 73 Hub Equipped Wheel
KH090/	KIT TOOL XLR BLEED TOOL	Positions XLR Damper to 'ON' Position for Bleed Process
KH240/	KIT, TOOL, 29mm CYLINDER	Lefty Oliver 100 Service, cartridge assembly/disassembly and all 32 2.0 if damper needs to be changed.

KP180/

KP189/

FHCS
M4X16

BHCS
M5X16



CSG WARRANTY PROCESS

INFORMATION	94
TERMS OF CONDITION	95



QC616/

KP018/
KB6180/

KP182/

FHCS
M4X8



CSG WARRANTY CLAIM PROCESS

GENERAL INFORMATION

Cycling Sports Group has made investments to improve our Customer Service and ensure Warranty issues are resolved in an efficient manner so that our consumers can get back on the road or trail as quickly as possible. We know that having your bike or other product not functioning is never convenient so we implemented a new process and are providing you, the dealer, with this guide that outlines what your expectations from us should be as well as what we need from you in order to resolve all product related issues as painlessly as possible. We will continue to strive for improvements in our service, but here are the steps we are taking right now.

- **New B2B Warranty Module for creating and tracking your claims**
- **Expanded Warranty/Technical Support Team**

WARRANTY QUALIFICATION

- Warranty is valid for the original owner only. CSG requires proof of purchase before honoring any warranty claims.
- All warranty claims must be submitted through an Authorized CSG Dealer that supports the associated brand.

WARRANTY GUIDELINES BY CATEGORY

CATEGORY	MANUFACTURERS DEFECT	FRAME EXCHANGE (Discount available for non-warranty issue)**	WARRANTY UPGRADE (product upgrade at discounted price for warranty issue)**
Bike – Frame Cannondale	Lifetime - Manufacturers Defect *	Yes	Yes
Bike – Component	Manufactures Warranty	Does Not Apply	Does Not Apply
Lefty / Head Shock	1 year internals, Lifetime Structure – Manufacturers Defect	Yes	Yes
Cannondale Branded Crank Sets	Lifetime – Manufacturers Defect	Does Not Apply	Does Not Apply
Apparel and Accessories	Lifetime - Manufacturers Defect	Does Not Apply	Does Not Apply
Helmets	1 year	Yes	Does Not Apply

* Some exclusions apply, see Cannondale Bicycle Owner's Manual.

** See Aftermarket Frame Sheets for available options and pricing.

CSG WARRANTY CLAIM PROCESS

The specific warranty covering your Cannondale bicycle is governed by the law of the state or country in which it was purchased, and applies only to bicycles purchased from Authorized Cannondale Retailers.

FRAMES: (frame, fork structure, swing arm): Cannondale frames (except frames for Freeride, and Dirt Jumping bikes, see below) are warranted by Cycling Sports Group, Inc., 1 Cannondale Way, Wilton CT, 06897 against manufacturing defects in materials and/or workmanship for the lifetime of the original owner.

Cannondale frames for Freeride & Dirt Jumping bikes (such as Gemini, Gemini DH, Judge, Perp and Chase) are warranted against manufacturing defects in materials and/or workmanship for a period of three (3) years from the date of original retail purchase. The Freeride / Dirt Jumping warranty does not cover any Freeride / Dirt Jumping bike purchased and used for rental purchase. The Freeride / Dirt Jumping warranty differs from the warranty as stated in the Cannondale Owner's Manual only in its term. All other conditions apply.

COMPONENTS: All other components, including HeadShok and Lefty internal parts, suspension parts, frame fixtures and finishes (paint and decals) are warranted against manufacturing defects in materials and/or workmanship for a period of one year from the date of original retail purchase. Components used on rental fleet bikes are not covered by this one year warranty.

Suspension forks (other than those made by Cannondale) are not covered by this limited warranty, but are separately covered by the stated warranty of their manufacturer.

TERMS OF LIMITED WARRANTY

This limited warranty is not meant to suggest or imply that the bicycle cannot be broken or will last forever. It does mean that the bicycle is covered subject to the terms of the limited warranty.

This limited warranty applies only to the original owner of a Cannondale bicycle and is not transferable to subsequent owners.

For any warranty claim to be considered, the bicycle must be brought in to an Authorized Cannondale Bicycle Retailer on the same continent on which the bicycle was purchased. The bicycle must be in assembled condition and accompanied by the original, dated sales receipt for the bicycle. (Be sure to keep your receipt in a safe place.)

This limited warranty is void if the bicycle is subjected to abuse, neglect, improper repair, improper maintenance, alteration, modification, an accident or other abnormal, excessive, or improper use.

This limited warranty is void if the bicycle is subjected to abuse, neglect, improper repair, improper maintenance, alteration, modification, an accident or other abnormal, excessive, or improper use.

This limited warranty applies only to bicycles purchased in fully assembled and adjusted condition from Authorized Cannondale Retailers or other outlets specifically authorized by Cannondale to distribute Cannondale bicycles.

Damage resulting from normal wear and tear, including the results of fatigue, is not covered. Fatigue damage is a symptom of the frame being worn out through normal use. It is one kind of normal wear and tear, and it is the owner's responsibility to inspect his/her bicycle. See Section 5. and D.

Damage resulting from corrosion is not covered.

Damage resulting from improper assembly or maintenance, or from installation of parts and accessories not compatible with the Cannondale bicycle, is not covered.

All labor charges for warranty service, including the transfer of components and/or any installation of new components, are the responsibility of the bicycle's owner.

Due to product evolution and obsolescence, some components may not be available for older models. In these cases, sourcing and paying for components is the responsibility of the bicycle owner.

During the duration of this limited warranty, CYCLING SPORTS GROUP, INC., will either repair any defective frame or component, or, at our option, replace any defective frame or component with the same or most nearly comparable model or component then available. THIS IS THE EXCLUSIVE REMEDY UNDER THIS WARRANTY. ANY AND ALL OTHER REMEDIES AND DAMAGES THAT MAY OTHERWISE BE APPLICABLE ARE EXCLUDED, INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR PUNITIVE DAMAGES.

THIS IS THE ONLY WARRANTY MADE BY CYCLING SPORTS GROUP, INC., ON ITS FRAMES AND COMPONENTS, AND THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION HEREIN. ANY WARRANTIES THAT MAY OTHERWISE BE IMPLIED BY LAW INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED.

Please refer to the documents included with your bicycle for possible further restrictions.

This Limited Warranty gives the consumer specific legal rights. The consumer may also have other legal rights which vary from state to state or country to country. Some states and countries do not allow the exclusion or limitation of incidental or consequential damages or warranties, so the above limitations or exclusions may not apply to you. If it is determined by a court of competent jurisdiction that a certain provision of this limited warranty does not apply, such determination shall not affect any other provision of this limited warranty and all other provisions shall remain in effect.

(01/14)