

2016 TECHBOOK

cannondale



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KP180/

KP189/

FHCS
M4X16

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KP182/

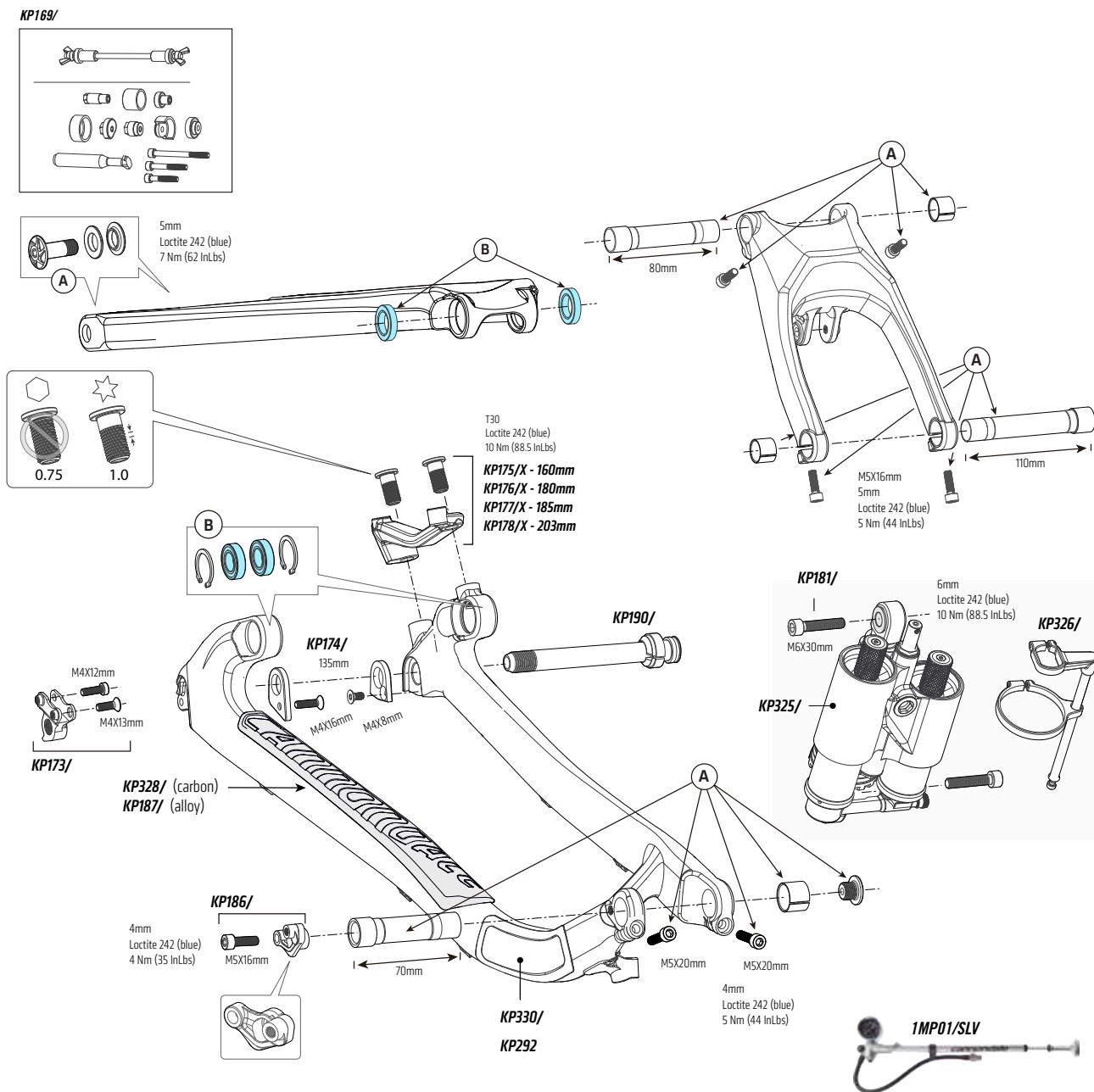
FHCS
M4X8

QC616/

KP018/
KB6180/



JEKYLL 27.5 (CARBON/ALLOY)



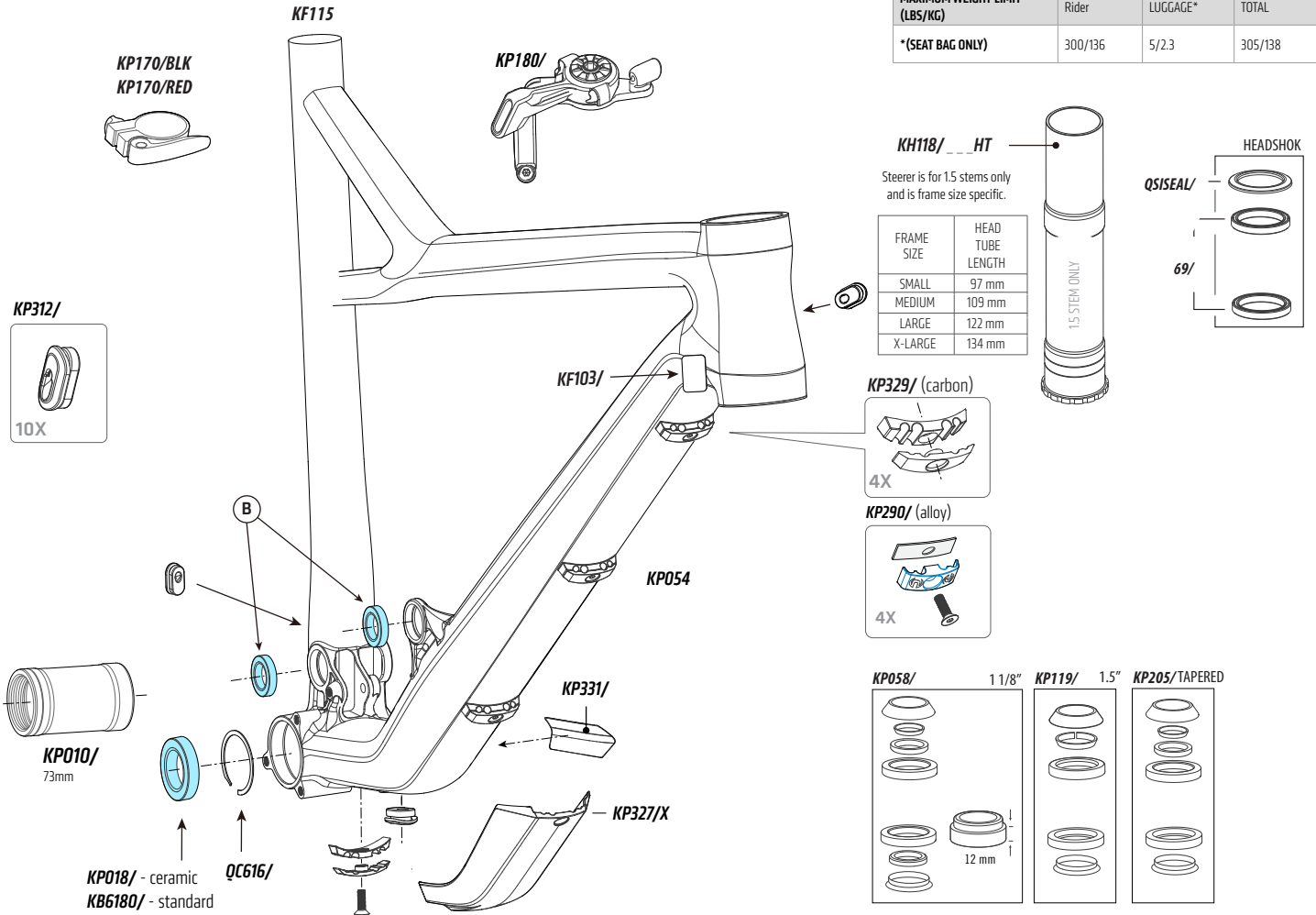
CODE	DESCRIPTION	CRB	ALLOY
KP173/	KIT, DER. HANGER; S12	X	X
KP174/	KIT, SPACER, S12, 142 TO 135MM	X	X
KP175/X	KIT, ADAPTER, S12 PM/160 Thread Pitch	X	X
KP176/X	KIT, ADAPTER, S12 PM/180 Thread Pitch	X	X
KP177/X	KIT, ADAPTER, S12 PM/185 Thread Pitch	X	X
KP178/X	KIT, ADAPTER, S12 PM/203 Thread Pitch	X	X
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

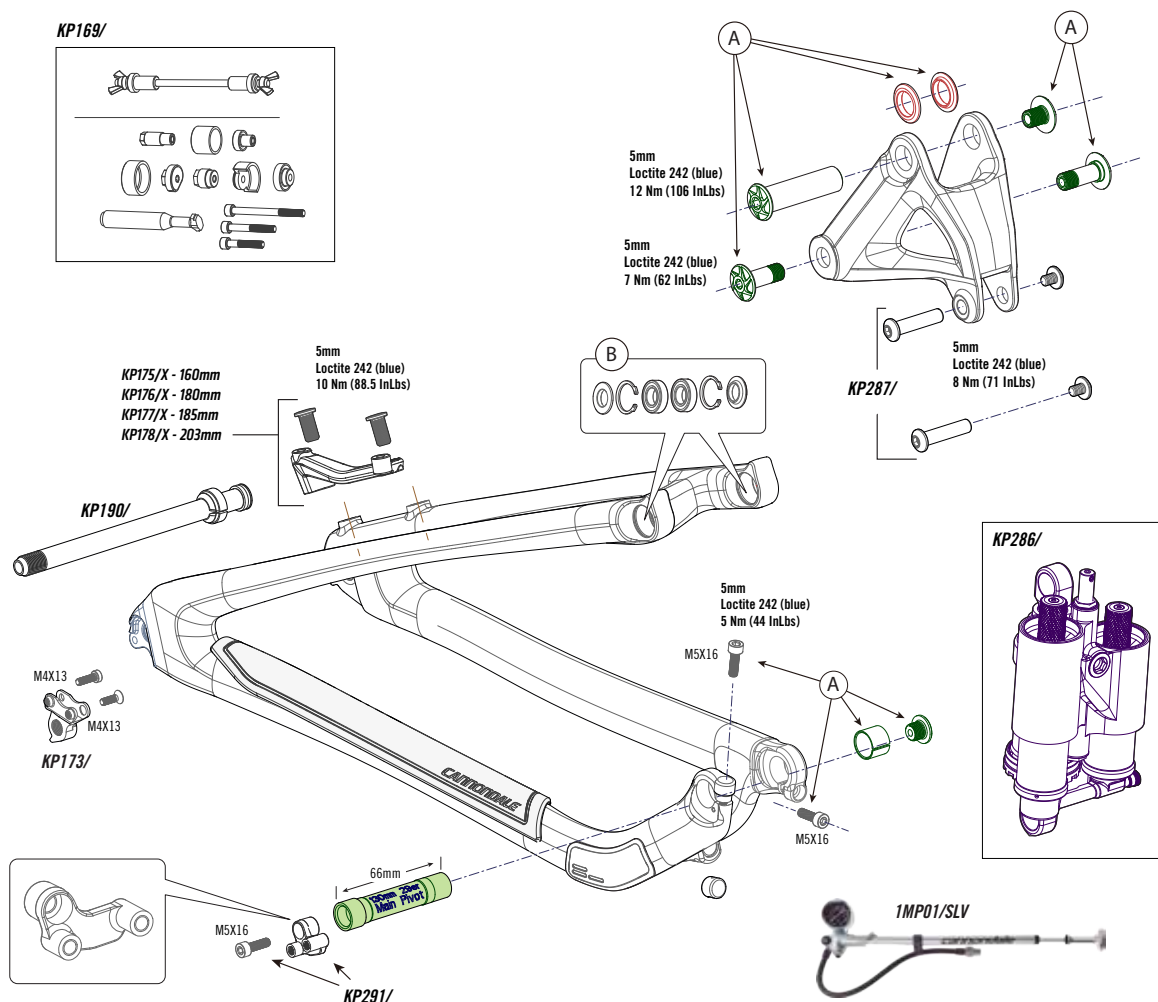
KP327/SM	KIT, GUARD, D-TUBE, JEKYLL CARBON S	X	
KP327/MD	KIT, GUARD, D-TUBE, JEKYLL CARBON M	X	
KP327/LG	KIT, GUARD, D-TUBE, JEKYLL CARBON L	X	
KP327/XL	KIT, GUARD, D-TUBE, JEKYLL CARBON XL	X	

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 11/8"	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
QCG616/	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 29 CARBON



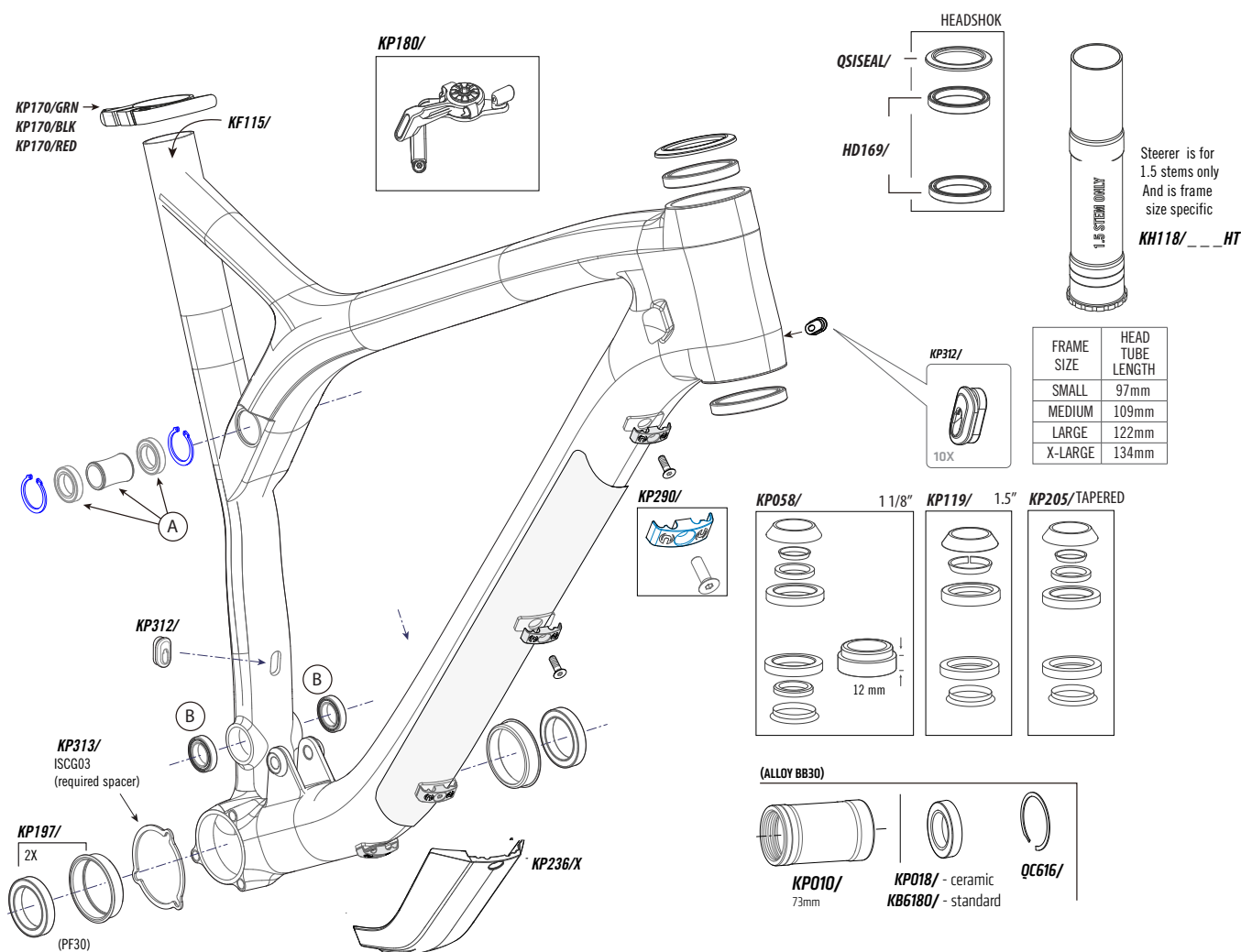
CODE	DESCRIPTION
KP173/	KIT,DER.HANGER,SI12
KP174/	KIT,SPACER,SI12,142 TO 135MM
KP325/160	KIT,ADAPTER,SI12 TRIGGER 29 PM/160
KP325/180	KIT,ADAPTER,SI12 TRIGGER 29 PM/180
KP325/185	KIT,ADAPTER,SI12 TRIGGER 29 PM/185
KP325/203	KIT,ADAPTER,SI12 TRIGGER 29 PM/203
KP190/	KIT,AXLE,SYNTACE,X12,142X12MM
KP286/	KIT,SHOCK,TRIGGER29 DYAD RT2
KP287/	KIT,SHOCK MOUNT HWARE,TRIGGER29

NO. (QTY)	CODE	DESCRIPTION
A	KP288/02/BLK	KIT,LINK,HWARE,TRIGGER29 CRB
B	KP289/	KIT,BEARINGS,PIVOT,TRIGGER29 W/CIR-CLIPS
	KP291/X	KIT,SPACER,F.DER,TRIGGER29
	1MP01/SLV	KIT,PUMP,HP DYAD RT2
	KP169/	KIT,TOOL,JEKYLL PIVOT
	KP183/	KIT,ZIP TIES, CABLEGUIDE /25
	KP286/	KIT,SHOCK,TRIGGER29 DYAD RT2
	KP287/	KIT,SHOCK MOUNT HWARE,TRIGGER29
	KP344/	KIT, GUARD, C-STAY TRIGGER CRB 29

TRIGGER 29 CARBON

REAR TRAVEL	Flow - 80mm, Elevate - 130mm
HEAD TUBE	Cannondale SI
CHAINLINE	50
ISCG	ISCG 03
BB SHELL WIDTH	PF30 (46 ID) - 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	29 X 2.35		
MAXIMUM FORK LENGTH	575mm		
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
KP170/GRN	KIT,SEATBINDER,MTN QR,34.9,BLK
KF115/	KIT,GEL,DYNAMIC,CARBON
KP197/SRM	KIT, BB, PRESSFIT 30, 68/73MM
KP313/	KIT,ISCG SPACER,PF30
KH118/097HT	KIT,STEER,SUPERMAX, 1.5" / FRAME SIZE S
KH118/109HT	KIT,STEER,SUPERMAX, 1.5" / FRAME SIZE M
KH118/122HT	KIT,STEER,SUPERMAX, 1.5" / FRAME SIZE L
KH118/134HT	KIT,STEER,SUPERMAX, 1.5" / FRAME SIZE XL
KP236/S	KIT, GUARD,D-TUBE, TRIGGER CARBON S
KP236/M	KIT, GUARD,D-TUBE, TRIGGER CARBON M
KP236/L	KIT, GUARD,D-TUBE, TRIGGER CARBON L
KP236/X	KIT, GUARD,D-TUBE, TRIGGER CARBON XL

CODE	DESCRIPTION
KP290/	KIT CABLE GUIDE HT ST
KF103/	KIT,GUARD,SCUFFGUARD-8PK
HD169/	KIT,BEARINGS, HEADSET- 2
KP058/	KIT,HEADSET,INT HEADSHOK TO 1 1/8"
KP119/	KIT,HEADSET,INT H-SHOK TO 1.5
KP205/	KIT,HEADSET,INT H-SHOK TO TAPERED
KP180/	KIT,LEVER,TRAVEL ADJUST

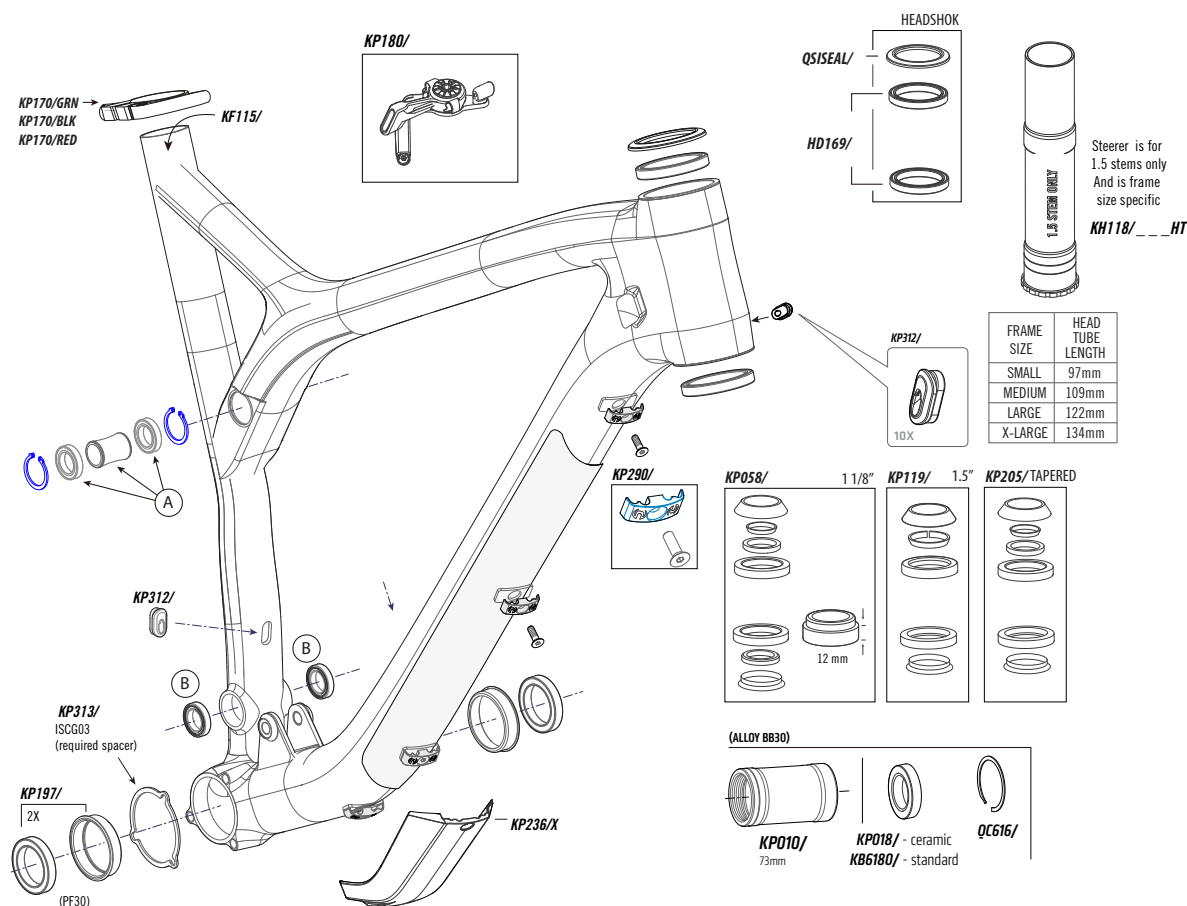
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CODE		DESCRIPTION	27.5	
			CRB	ALLOY
KP173/		KIT, DER. HANGER; SI12	X	X
KP174/		KIT, SPACER, SI12, 142 TO 135MM	X	X
KP190/		KIT, AXLE, SYNTACE, X12, 142X12MM	X	X
A	KP288/02/BLK	KIT, LINK, HWARE, TRIGGER29 CRB, NEED KP289/	X	
	KP288/BLK	KIT, LINK, HWARE, TRIGGER29 NEED KP289/		
	KP343/	KIT, LINK, HWARE, TRIGGER 650B NEED KP289/		X
B	KP289/	KIT, BEARINGS, PIVOTT, 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	
KP236/S,M,L,X	KIT, GUARD, TRIGGER	KP236SM	X				

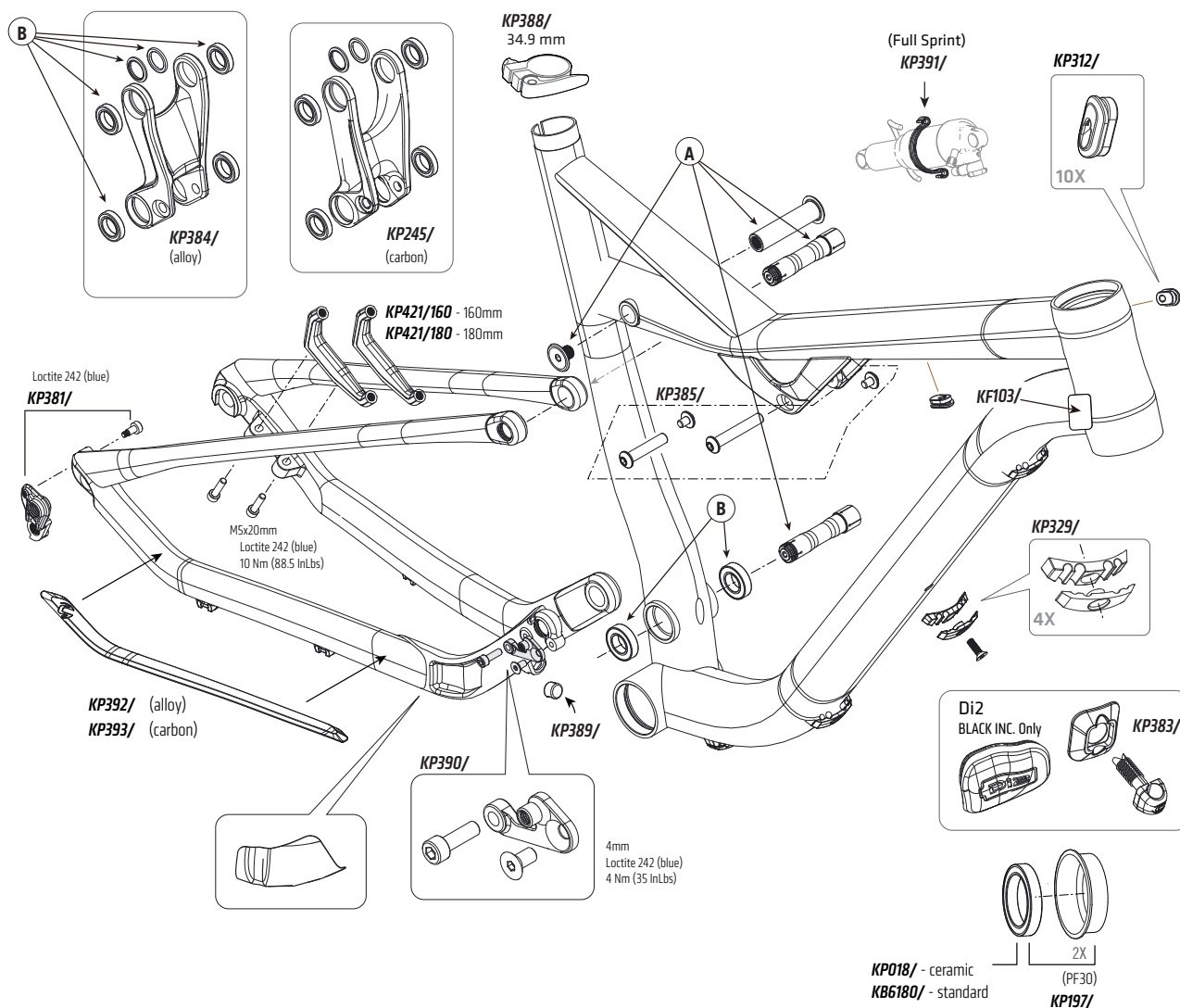
HABIT (CARBON/ALLOY)

BAD HABIT (ALLOY)

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

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

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
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
QSISEAL/	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

Composite Link Bearing Installation

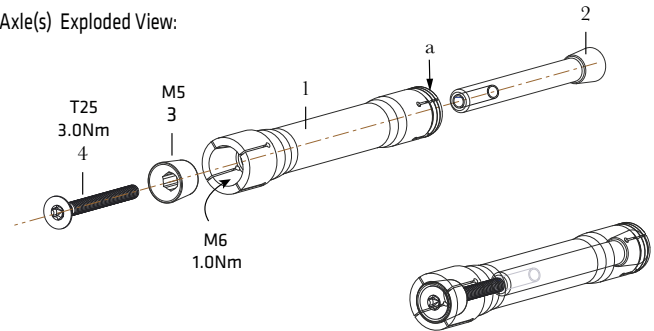
Materials:

- 1x Habit Carbon Link pn E124571
- 4x Bearing, 61802 (15x24x5), full complement
- Loctite 401 Prism Instant Adhesive. Critical, no substitutions allowed
- Denatured Alcohol
- Clean cloth or wipe

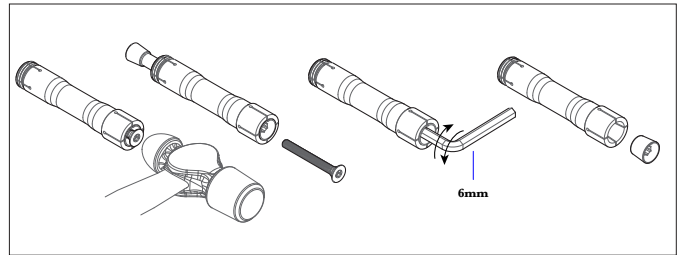
Procedure:

1. Clean outer race or all bearings with denatured alcohol and clean cloth to remove any oil or contamination
2. Clean all bearing bores in link with denatured alcohol to remove any oil or contamination
3. Apply a thin bead of Loctite 401 around inside of a bearings bore near the outer edge of the bore
4. Insert a bearing into the bore with adhesive
5. Ensure bearing is fully seated in bore.
6. Repeat steps 3-5 for the remaining 3 bearings.
7. Confirm that all 4 bearings are fully seated in each bore.
8. After 45 seconds the adhesive will cure enough for handling
9. Wait a 5 minutes before installing link in frame

Axle(s) Exploded View:



Wedge Removal: (shown removed from link for clarity)



Axle Removal

- A. Loosen the screw (4) 4-6 turns using a T25 Torx key.
- B. Tap head of M4 screw (4) to un-seat threaded wedge (2).
Remove M4 screw (4) and threaded wedge (2) from the axle (1).
- C. Insert a 5mm hex key to twist the wedge (3) free and remove it (shown). If stuck, insert the long side of a 6mm HEX key (non-ball end) from the threaded end of axle and tap it out.
- D. Insert a 6mm hex key into the axle and turn counter-clockwise until it can be removed.

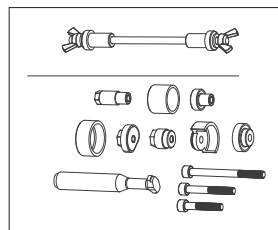
Axle Installation

Be sure to inspect the parts for any burrs, scratches or other damage before assembly. Replace the complete axle assembly if any damage is found.

- Apply a high-quality bearing grease to all the parts of the assembly before installing into the linkage. Be sure to coat all threads, wedge surfaces and expansion areas.
- Be sure to use the correct length axle and screw for the specific location. See above.
- Insert the axle (1) into the link from the non-drive side. and tighten it with an 6mm hex to 1.0Nm. Do not over-tighten.
- Insert the threaded wedge (2) into the drive side of the axle and insert the other wedge (3) and screw (4) opposite and tighten screw with a T25 Torx to 3.0Nm.

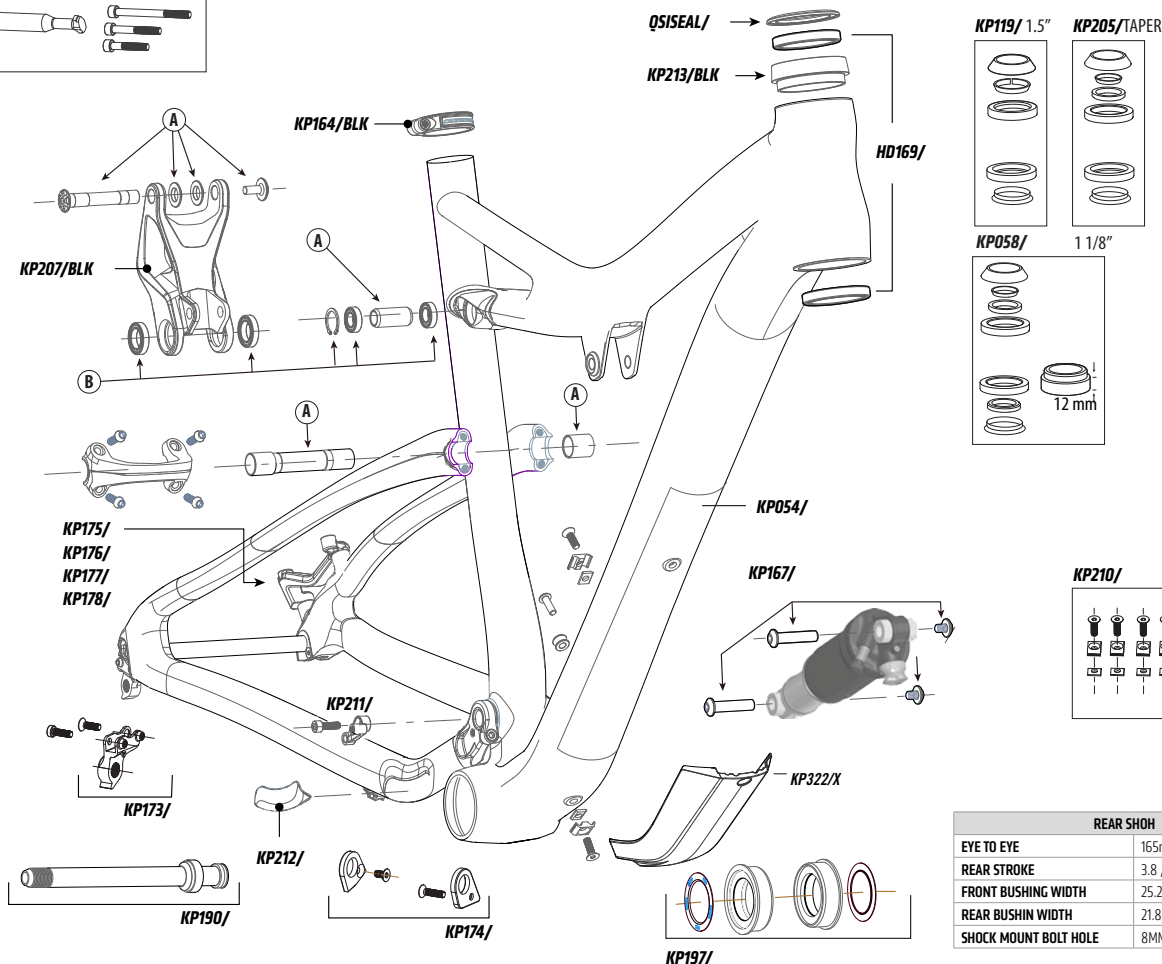
SCALPEL 29 CARBON

KP169/



REAR TRAVEL	100mm
HEAD TUBE	Cannondale SL
CHAINLINE	50
ISCG	NA
BB SHELL WIDTH	PF30 (46 ID) - 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 3, CROSS-COUNTRY, MARATHON		
MAXIMUM TIRE WIDTH	29 X 2.25		
MAXIMUM FORK LENGTH	500mm		
MINIMUM SEAT POST INSERT	90mm		
MAXIMUM WEIGHT LIMIT (LBS/KG)	Rider	LUGGAGE*	TOTAL
*(SEAT BAG ONLY)	300/136	5/2.3	305/138

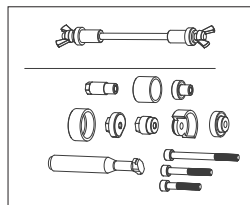


REAR SHOH	
EYE TO EYE	165mm
REAR STROKE	3.8 / 1.50
FRONT BUSHING WIDTH	25.2mm
REAR BUSHIN WIDTH	21.8mm
SHOCK MOUNT BOLT HOLE	8MM

CODE	DESCRIPTION
KP164/BLK	KIT, SEATBINDER, 31.6
KF115/	KIT, GEL, DYNAMIC, CARBN SEATPOST
KP197/	KIT, BB, PRESSFIT 30, 68/73MM
KP210/	KIT, GUIDE, HOUSING, BOLT-ON 6
KP211/	KIT, SPACER, F.DER, SCALPEL 29'ER
KP212/	KIT, CH.STAY PROTECT-SCALPEL 29R
KP054/	KIT, GUARD, SCUFFGUARD, DOWNTUBE
KF103/	KIT, GUARD, SCUFFGUARD-8PK
KP167/	KIT, HWARE, SHOCK MOUNTING, SCALPEL
KP173/	KIT, DER. HANGER;S12
KP174/	KIT, SPACER, S12, 142 TO 135MM
KP175/	KIT, ADAPTER, S12 PM/160
KP176/	KIT, ADAPTER, S12 PM/180
KP177/	KIT, ADAPTER, S12 PM/185
KP178/	KIT, ADAPTER, S12 PM/203

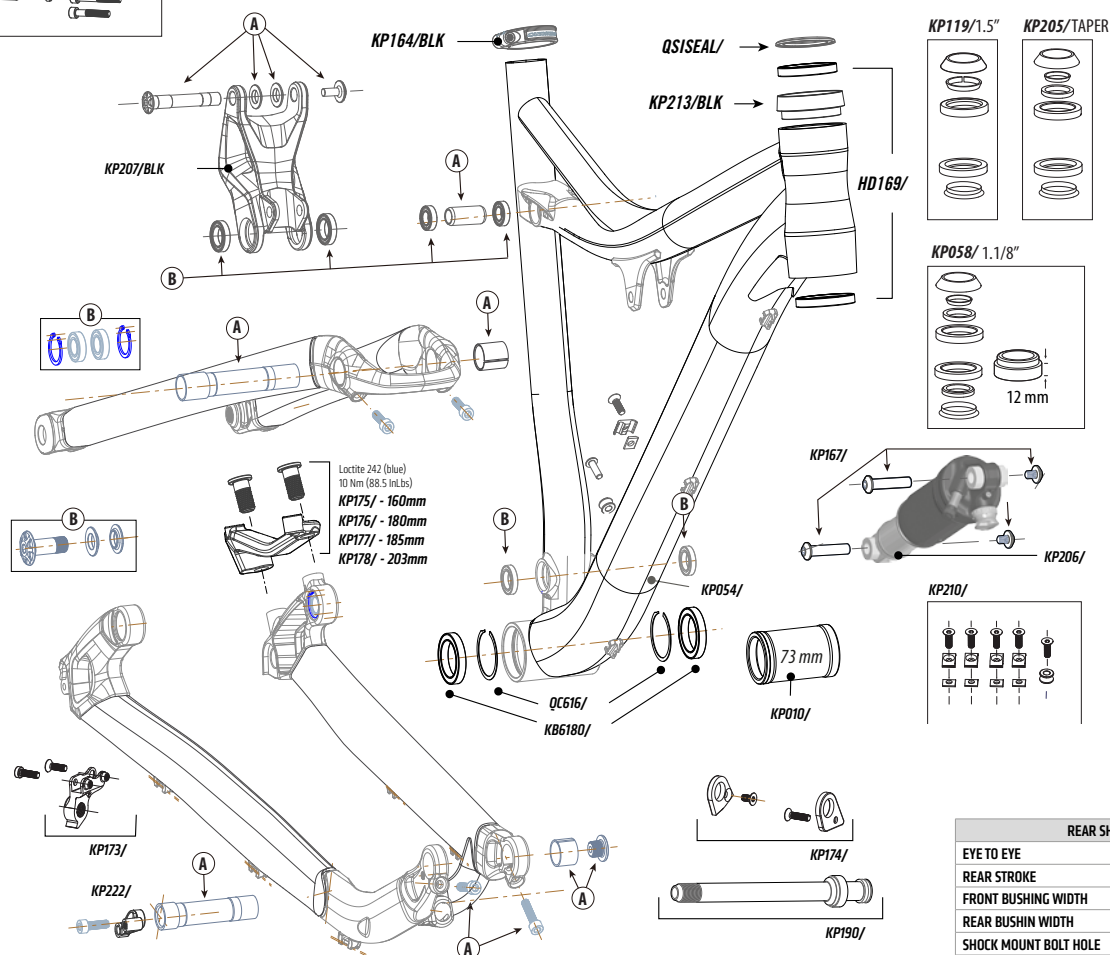
	CODE	DESCRIPTION
	KP190/	KIT, AXLE, SYNTACE, X12,142X12MM
	KP207/BLK	KIT, LINK, SCALPEL 29R
A	KP208/BLK, RED	KIT, LINK, HWARE, SCALPEL 29'ER BEARINGS SOLD SEPERATELY
B	KP209/	KIT, BEARINGS, PIVOT, SCALPEL 29'ER W/CIR-CLIPS
	KP213/BLK	KIT, SPACER, HEADTBE SCALPEL 29R
	QSISEAL/	KIT, SEAL, UPPER BEARING, 58MM OD
	HD169/	KIT, BEARINGS, HEADSET- 2
	KP058/	KIT, HEADSET, INT HEADSHOK TO 1.1/8"
	KP119/	KIT, HEADSET, INT H-SHOK TO 1.5
	KP205/	KIT, HEADSET, INT H-SHOK TO TAPERED
	KP169/	KIT, TOOL, JEKYLL PIVOT
	KP218/	KIT, LOCTITE 609 W/ACTIVATOR
	KP322/S,M,L,X	KIT, GUARD D-TUBE

KP169/



REAR TRAVEL	100mm
HEAD TUBE	Cannondale SI
CHAINLINE	50
ISCG	NA
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 3, CROSS-COUNTRY, MARATHON		
MAXIMUM TIRE WIDTH	29 x 2.25		
MAXIMUM SEAT LENGTH	500mm		
MINIMUM SEAT POST INSERT	90mm		
MAXIMUM WEIGHT LIMIT (LBS/KG)	Rider	LUGGAGE*	TOTAL
*(SEAT BAG ONLY)	300/136	5/2.3	305/138



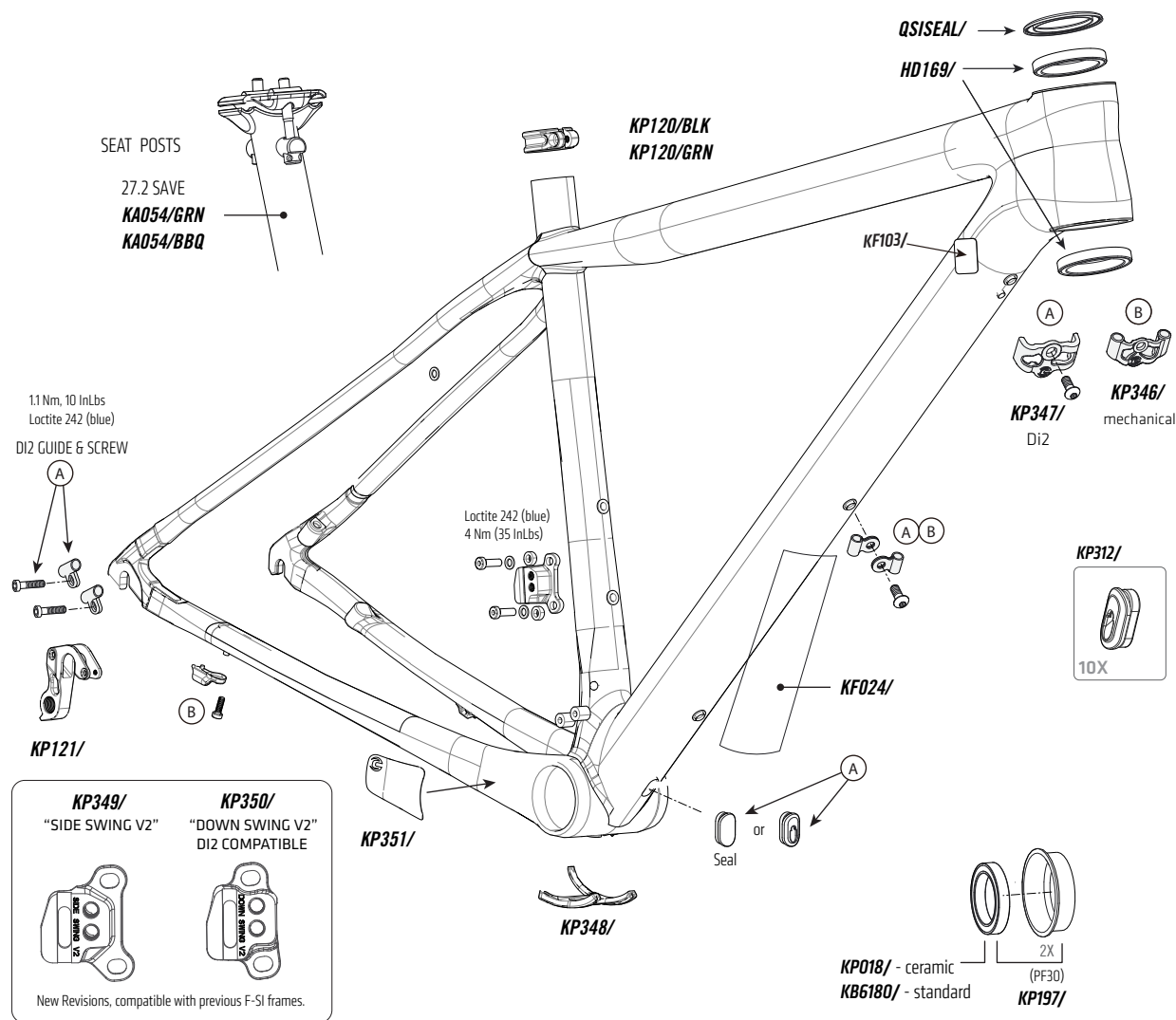
REAR SHOCK	
EYE TO EYE	165mm
REAR STROKE	3.8 / 1.50
FRONT BUSHING WIDTH	25.2mm
REAR BUSHIN WIDTH	21.8MM
SHOCK MOUNT BOLT HOLE	8mm

CODE	DESCRIPTION
KP164/BLK	KIT, SEATBINDER, 31.6
QC616/	KIT, CIRCLIPS (2) BB-SI
KB6180/	KIT, BEARING, 1 #6902-2RS 15(I.D.)x28 (O.D.) x 7(W)
KP010/	KIT, ADAPTER, SIBB TO 73MM TAP
KF115/	KIT, GEL, DYNAMIC, CARBN SEATPOST
KP210/	KIT, GUIDE, HOUSING, BOLT-ON 6
KP222/	KIT, SPACER, F.DER.SCALPEL 29"ER AL
KP054/	KIT, GUARD, SCUFFGUARD, DOWNTUBE
KF103/	KIT, GUARD, SCUFFGUARD-8PK
KP167/	KIT, HWARE, SHOCK MOUNTING, SCALPEL
KP173/	KIT, DER. HANGER;SI12
KP174/	KIT, SPACER, SI12, 142 TO 135MM
KP175/	KIT, ADAPTER, SI12 PM/160
KP176/	KIT, ADAPTER, SI12 PM/180
KP177/	KIT, ADAPTER, SI12 PM/185

	CODE	DESCRIPTION
	KP178/	KIT, ADAPTER, SI12 PM/203
	KP190/	KIT, AXLE, SYNTACE, X12, 142X12MM
	KP207/BLK	KIT, LINK, SCALPEL 29R
A	KP208/BLK, RED, GRN	KIT, LINK, HWARE, SCALPEL 29'ER BEARINGS SOLD SEPERATELY
B	KP221/	KIT, BEARINGS, PIVOT, SCALPEL 29'ER AL W/CIR-CLIPS
	KP213/BLK	KIT, SPACER, HEADTBE SCALPEL 29R
	QSI5EAL/	KIT, SEAL, UPPER BEARING, 58MM OD
	HD169/	KIT, BEARINGS, HEADSET- 2
	KP058/	KIT, HEADSET, INT HEADSHOK TO 1 1/8"
	KP119/	KIT, HEADSET, INT H-SHOK TO 1.5
	KP205/	KIT, HEADSET, INT H-SHOK TO TAPERED
	KP169/	KIT, TOOL, JEKYLL PIVOT
	KP183/	KIT, ZIP TIES, CABLEGUIDE /25
	KP218/	KIT, LOCTITE 609 W/ACTIVATOR

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



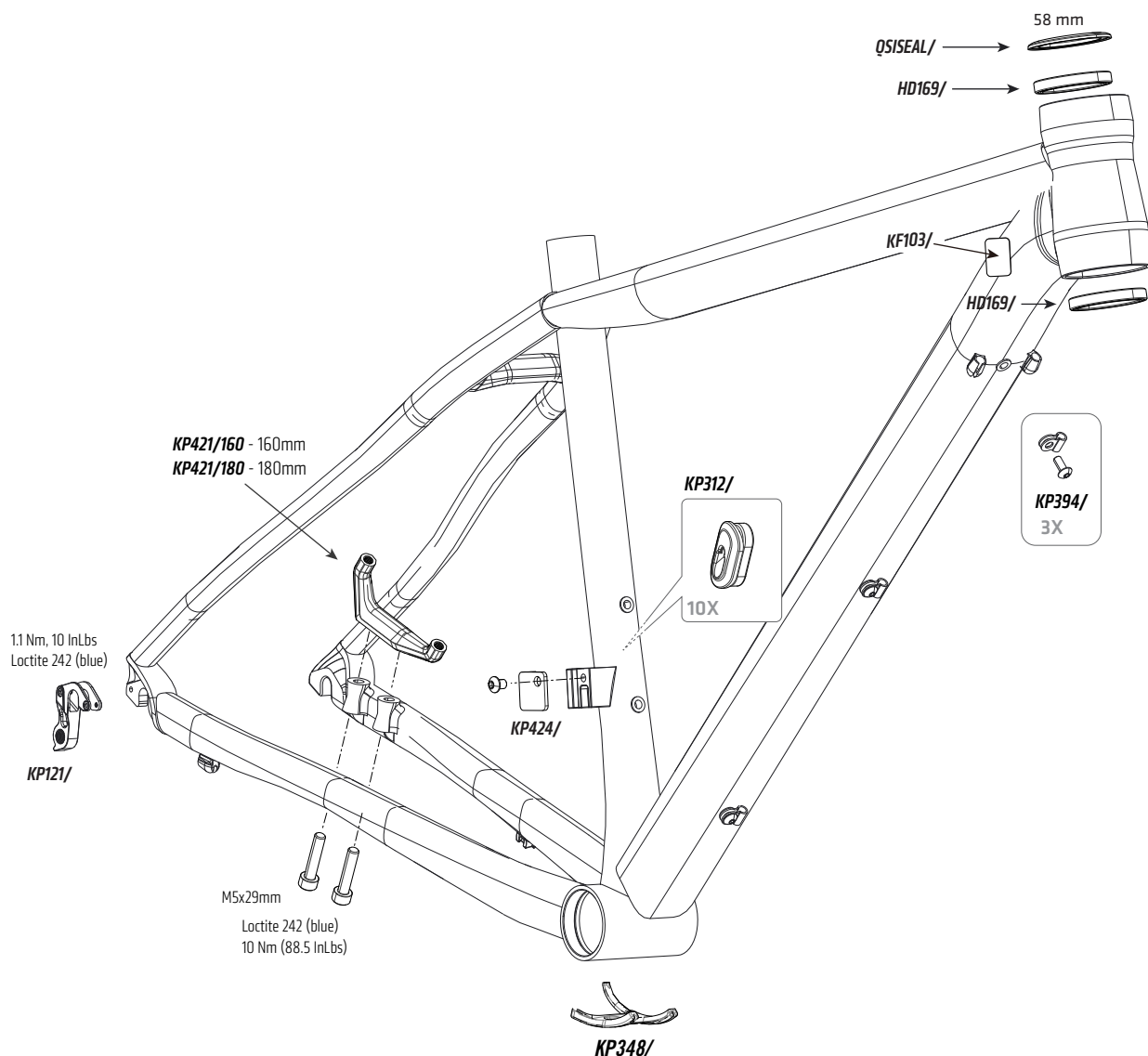
CODE	DESCRIPTION
KP121/	KIT DER HANGER FLASH CRB
KP120/BLK	KIT SEATBINDER FLASH CRB/BLK
KP120/GRN	KIT SEATBINDER FLASH CRB/GRN
KP346/	KIT ROUTING FSI 29ER CRB MECH SHIFTING
KP347/	KIT ROUTING FSI 29ER CRB DI2
KP348/	KIT BB CABLEGUIDE FSI 29ER CRB
KP349/	KIT FD MOUNT FSI 29ER CRB SIDE SWING
KP350/	KIT 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
KSISEAL/	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

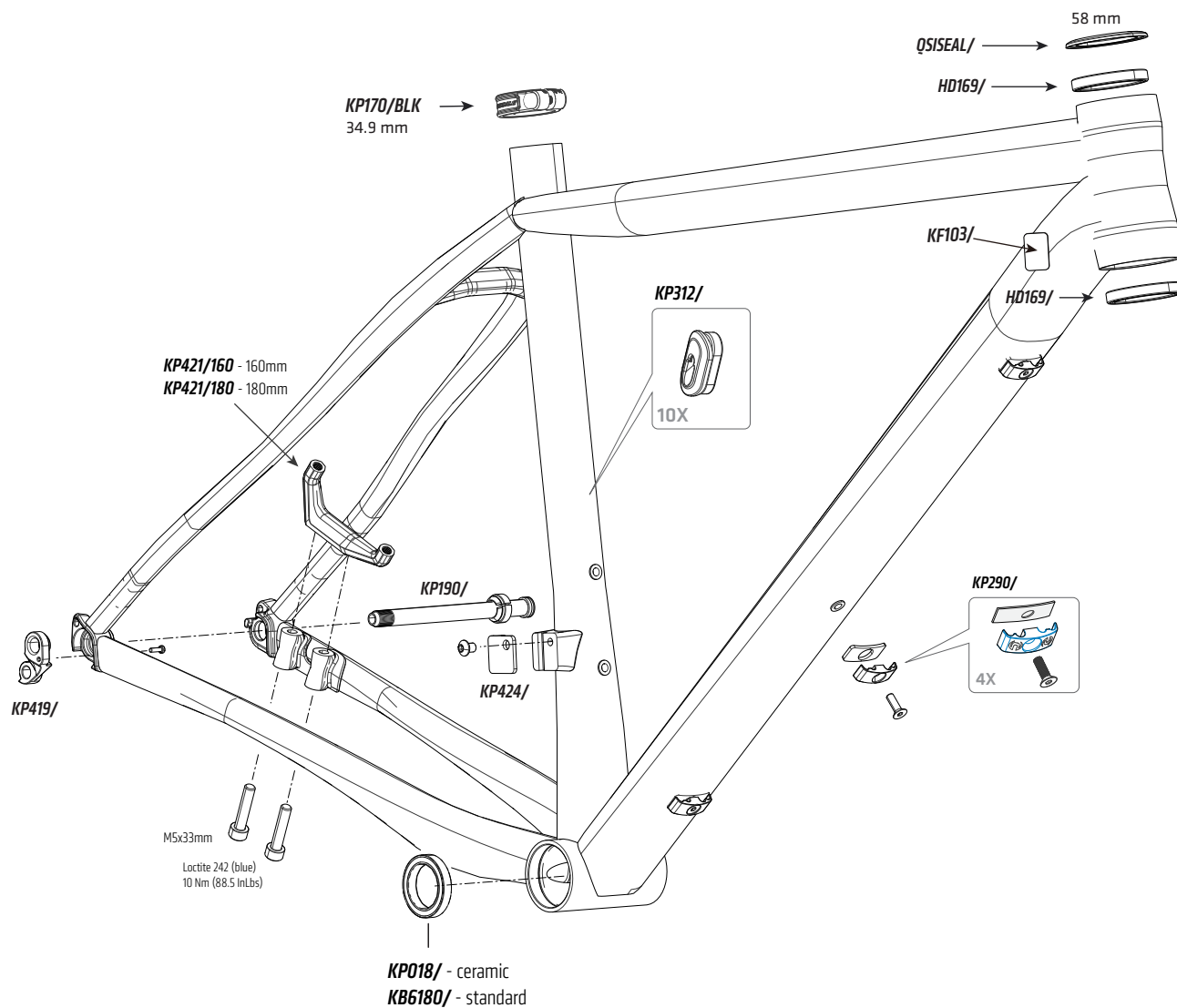


CODE	DESCRIPTION
KB6180/	KIT BEARING BB SI 2PCS
KP421/160	KIT, BRAKE MOUNT, FLAT, 160MM
KP421/180	KIT, BRAKE MOUNT, FLAT, 180MM
KP121/	KIT DER HANGER FLASH CRB

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

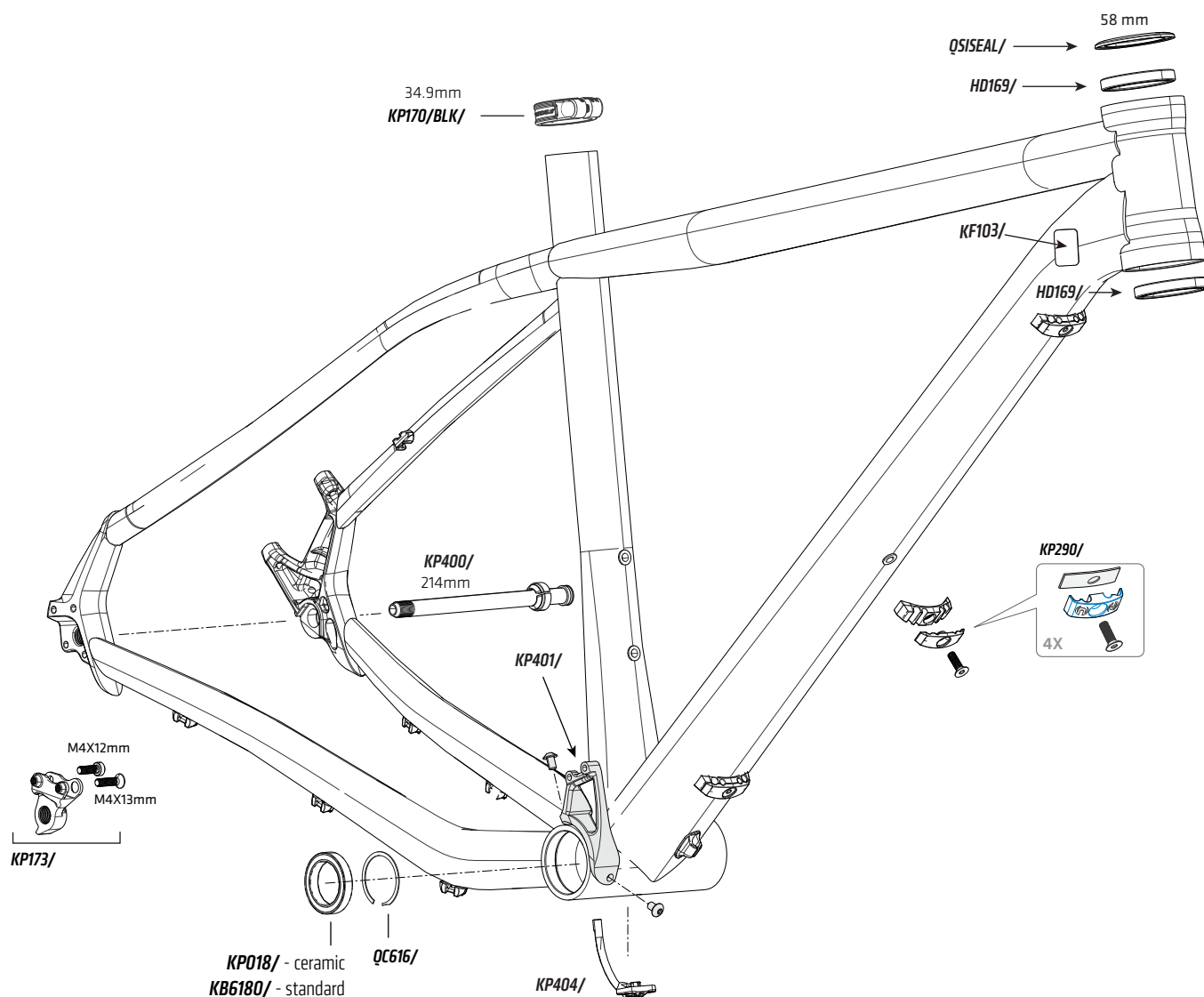


CODE	DESCRIPTION
KP419/	KIT, DER HANGER, SLATE/BOE, X12
KP290/	KIT GUIDE HOUSING BOLT (4x)
HD169/	KIT BEARINGS HEADSET 2
QSISEAL/	KIT, SEAL, UPPER BEARING, 58mm OD
KP190/	KIT AXLE SYNTACE X12 142X12MM

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

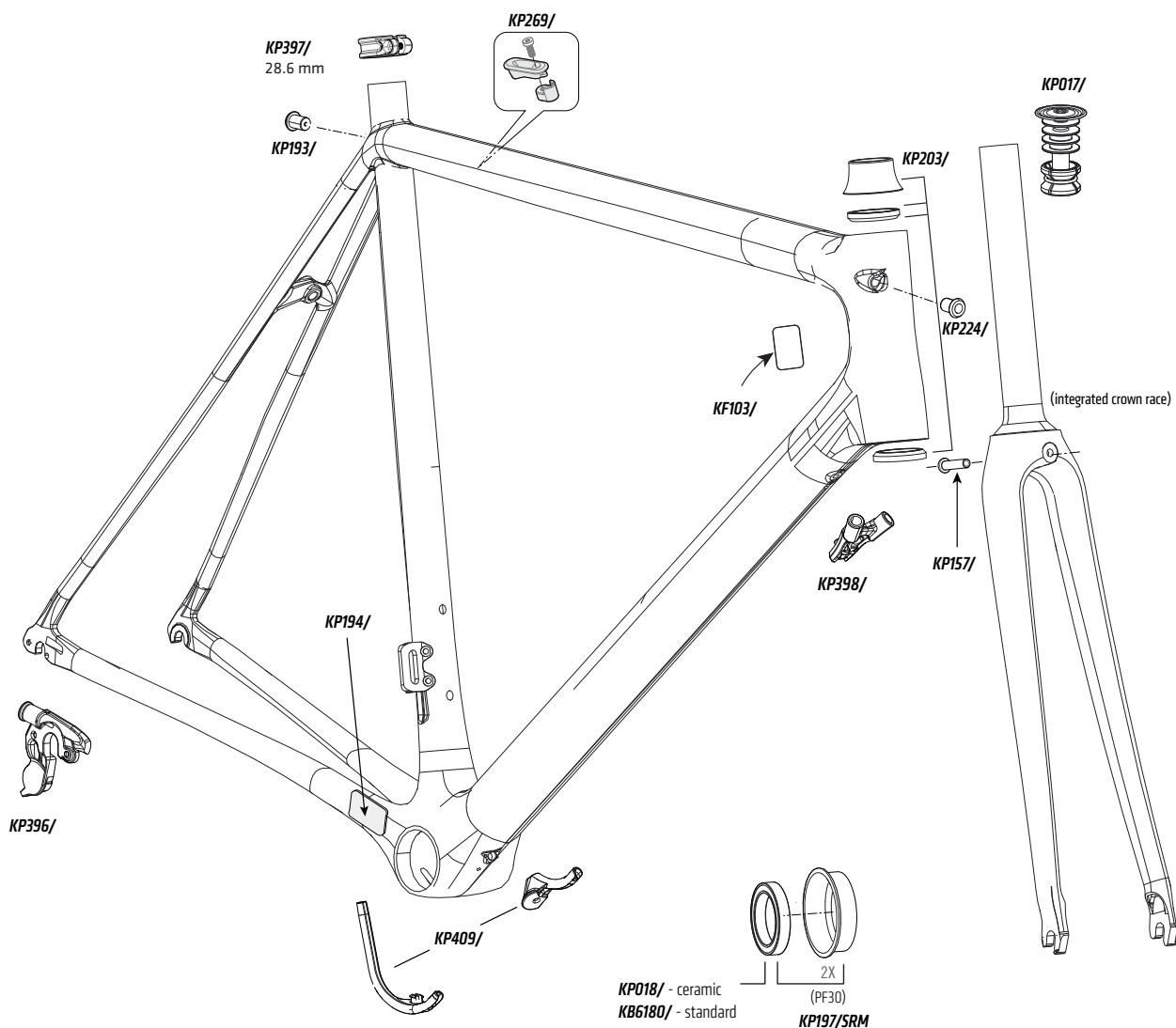


CODE	DESCRIPTION
KP173/	KIT, DER. HANGER;SI12
KP290/	KIT GUIDE HOUSING BOLT (4x)
HD169/	KIT BEARINGS HEADSET 2
QSISEAL/	KIT, SEAL, UPPER BEARING,58mm OD
KP173/	KIT, DER HANGER , FAT CAAD
KP400/	KIT, REAR AXLE, 214MM, FAT CAAD
KP401/	KIT, MOUNT, FT DER, FAT CAAD
KP402/	KIT, SPINDLE, H'GRAM, FAT CAAD1, 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 (2016)

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

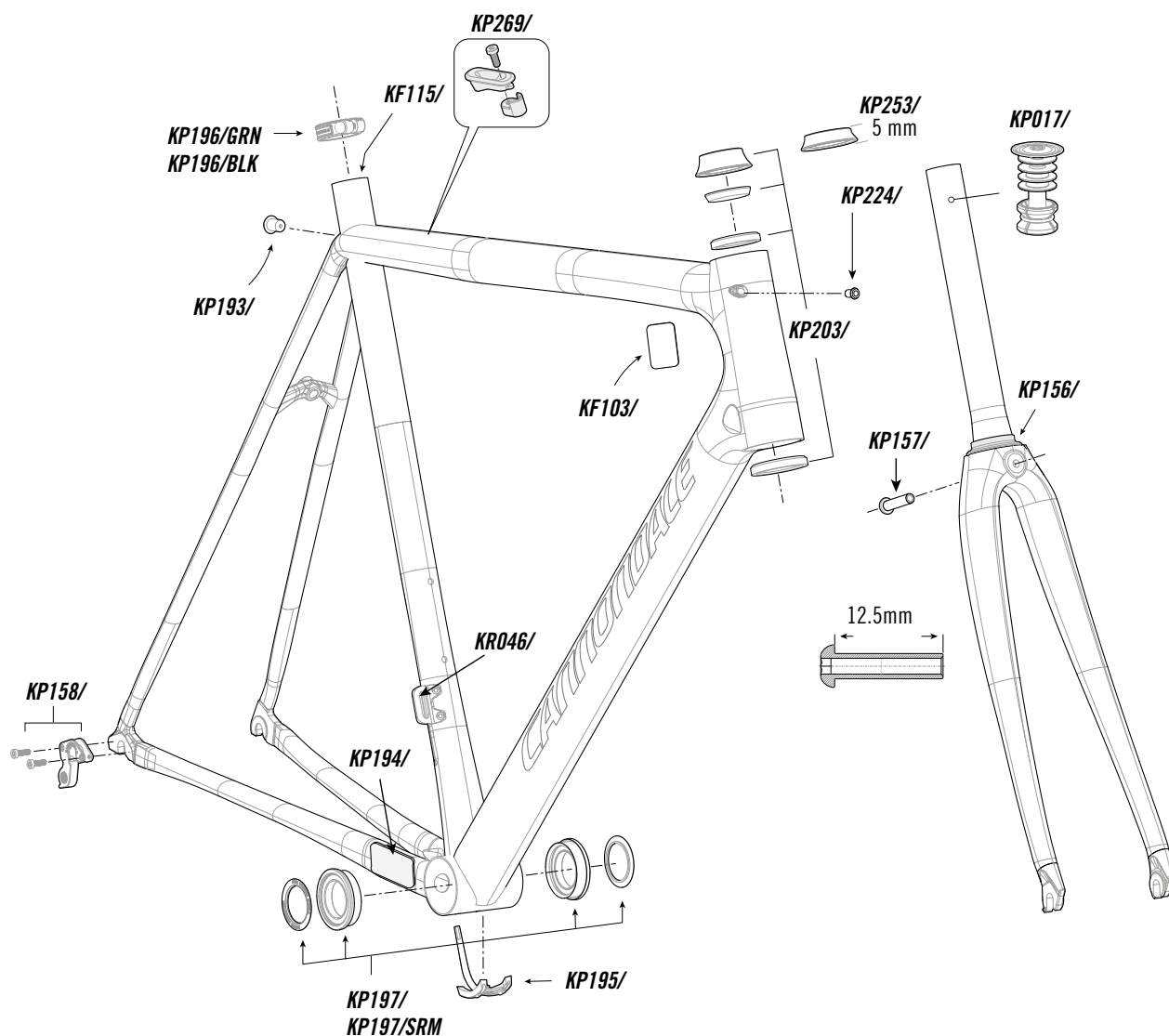


CODE	DESCRIPTION
KF115/	KIT GEL DYNAMIC CARBN SEATPOST
KP203/	KIT HEADSET SUPERSIX EVO CRB
KP395/	KIT, DER HANGER , EVO II, MECH
KP396/	KIT, DER HANGER , EVO II, DI2
KP397/	KIT, SEATBINDER, ROAD, 28.6
KP398/	KIT, DOWNTUBE CABLE STOP, EVO II

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

SUPERSIX EVO (2012 – 2016)

HEAD TUBE	Upper 1 1/8" Campagnolo Hiddesenst, lower 1 1/4"		
BB SHELL WIDTH	PF30 (46 ID) - 68mm		
SEAT POST DIAMETER	27.2mm		
FRONT DERAILLEUR	Braze-on		
DROPOUT SPACING	130MM		
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

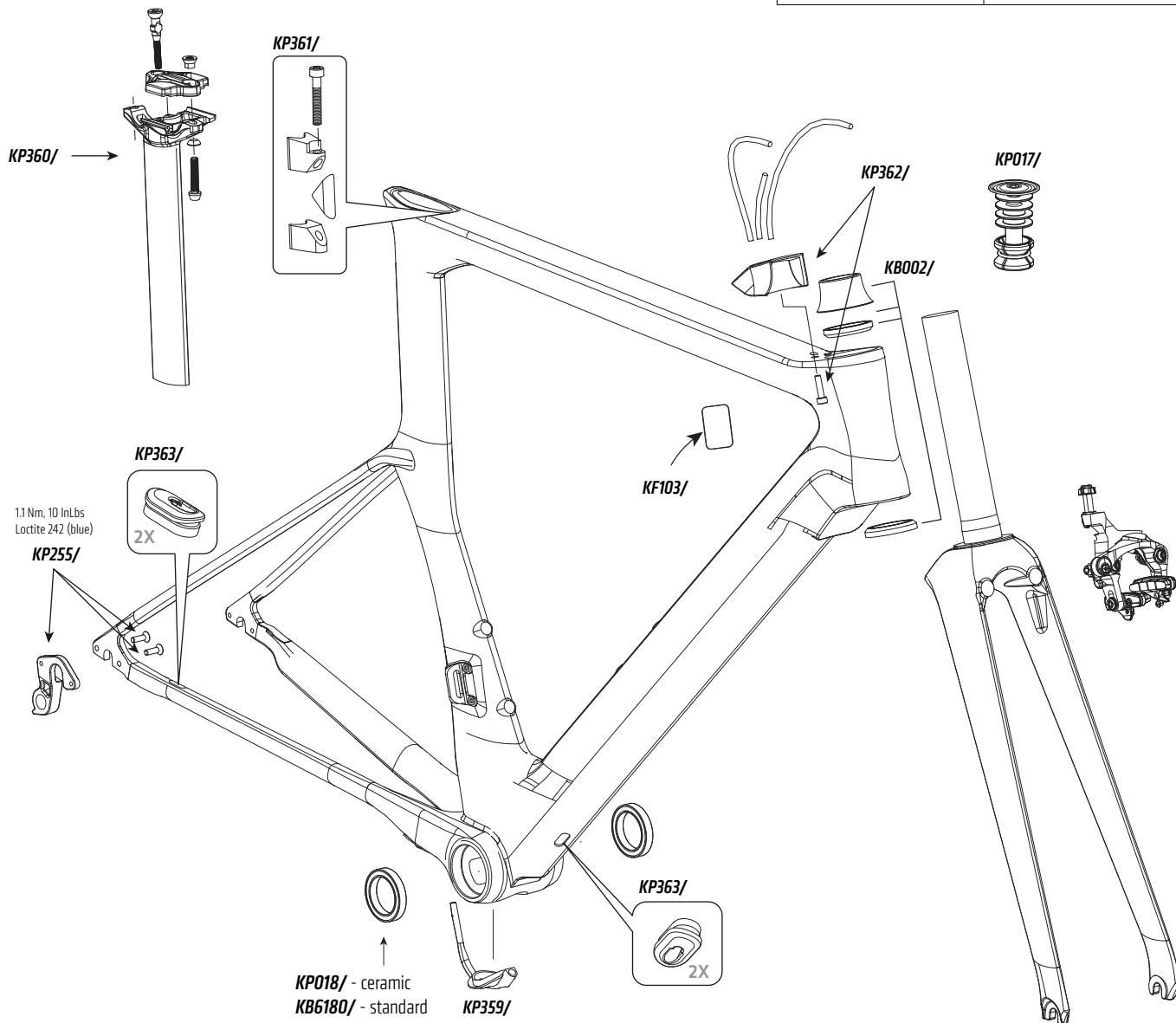


CODE	DESCRIPTION
KP203/	KIT, HEADSET, SUPERSIX EVO, CRB (CONTAINS KP156/)
KP253/	KIT, TOP CAP, 5MM ROAD
KP017/	KIT, COMP ASSY, 23.6ID, EXPANDER
KP156/	KIT, CROWN RACE, CAAD10/EVO
KP269/	KIT, GUIDE, BRAKE SUPERSIX EVO 44-48 (WOMEN)
KP193/	KIT, GUIDE, BRAKE SUPERSIX EVO 52-63
KP224/	KIT, GUIDE, BRAKE H-TUBE SUPERSIX EVO
KP157/	KIT, BRAKE BOLT, 12.5MM
KP194/	KIT, CH.STAY PROTECT-SUPERSIX EVO
KR046/	KIT FD MOUNT WITH RIVETS

CODE	DESCRIPTION
KP195/	KIT, BB CABLEGUIDE SUPER6 EVO
KP158/	KIT, DER HANGER, RD CAAD10/SUPERSIX EVO
KP196/BLK	KIT, SEATBINDER, ROAD 30.0
KP196/GRN	KIT, SEATBINDER, ROAD 30.0
KP197/	KIT, BB, PRESSFIT 30, 68/73MM
KP197/SRM	KIT, BB, PRESSFIT 30, 68/73 SRM
KP218/	KIT, LOCTITE 609 W/ACTIVATOR
KF115/	KIT, GEL, DYNAMIC, CARBN SEATPOST

SLICE MULTISPORT

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



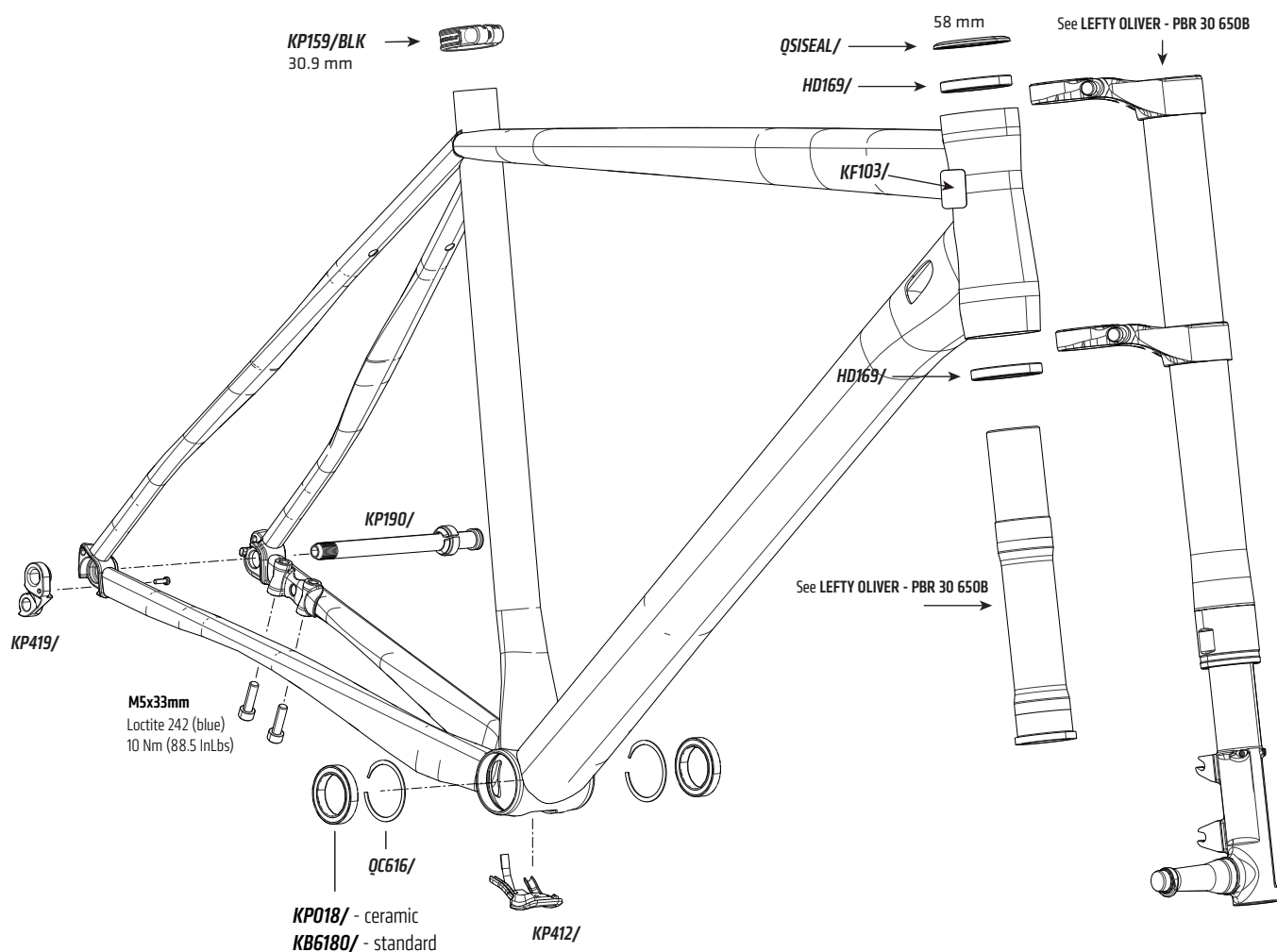
CODE	DESCRIPTION
KP017/	KIT COMP ASSY 23 6ID EXPANDER
KP362/	COVER
KB002/	HEADSET (11/18)
KP359/	BB CABLE GUIDE
KP363/	GROMMET - Di2 (QTY 2)
KP255/	RD HANGER
KP362/	COVER ASSY.
KF103/	KIT GUARD SCUFFGUARD 8PK

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

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



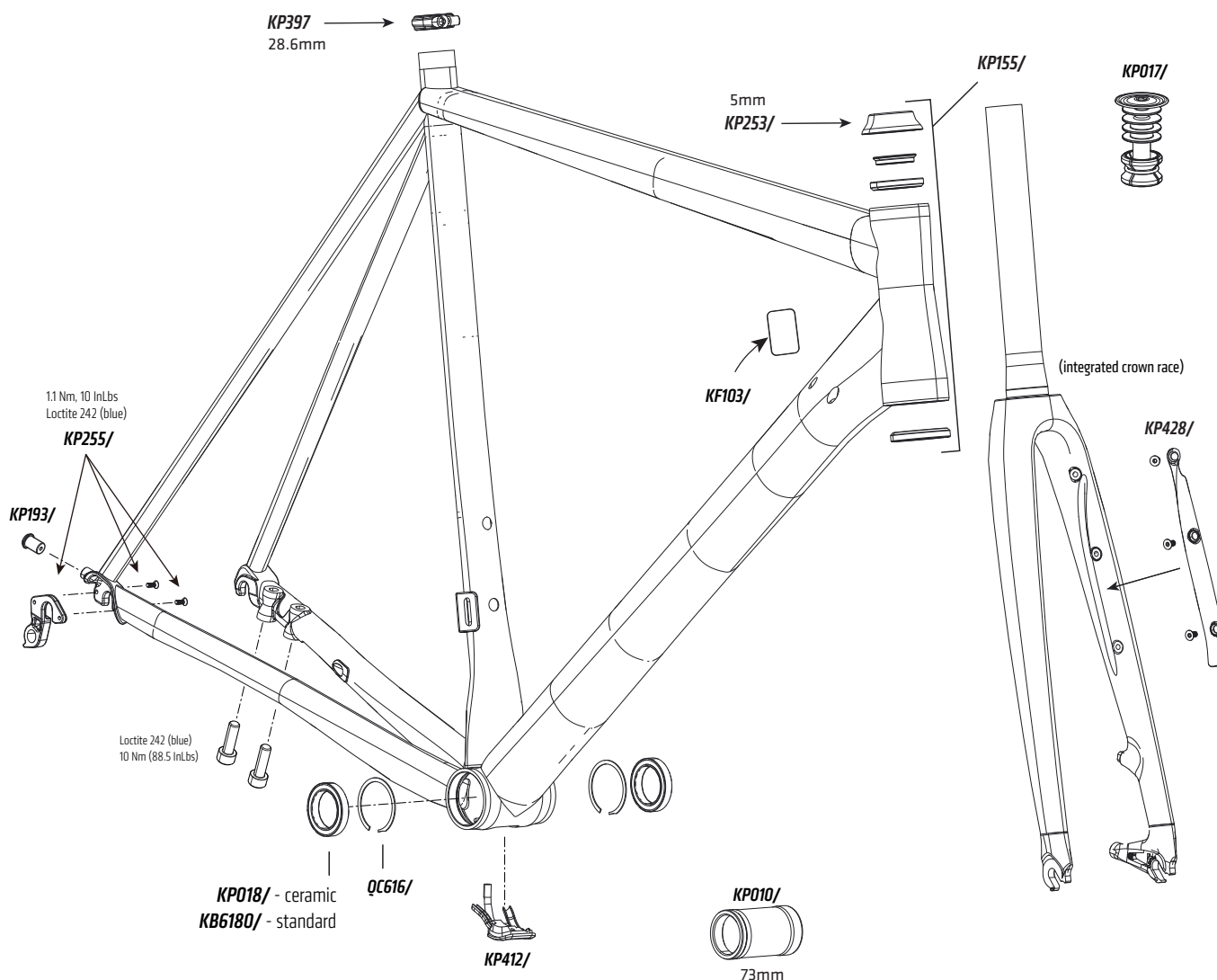
CODE	DESCRIPTION
KF115/	KIT GEL DYNAMIC CARBN SEATPOST
KF103/	KIT GUARD SCUFFGUARD 8PK
KP159/BLK	KIT,SEATBINDER, ROAD 30.9
KP419/	KIT, DER HANGER, SLATE/BOE, X12
KP412/	KIT, CABLE GUIDE, HYDRO, ROAD
KP190/	KIT AXLE SYNTACE X12 142X12MM

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

CAAD 12

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



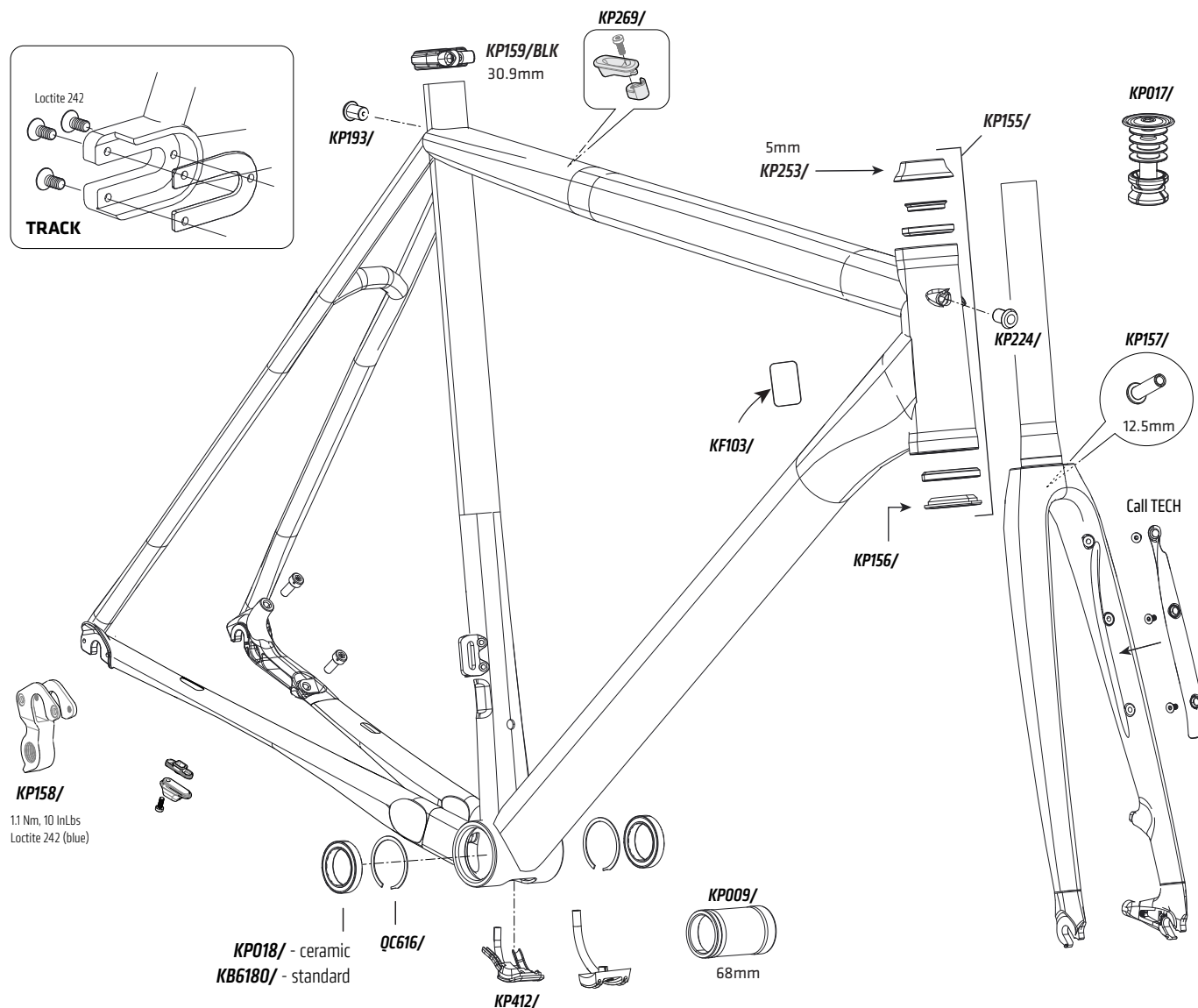
CODE	DESCRIPTION	RIM	DISC
KP155/	KIT HEADSET CAAD10 CRB	X	X
KP397/	KIT, SEATBINDER, ROAD, 28.6	X	X
KF115/	KIT GEL DYNAMIC CARBN SEATPOST	X	X
KP255/	KIT DER HANGER SINGLE SIDED RD2	X	X
KP412/	KIT, CABLE GUIDE, HYDRO, ROAD	X	X
KF103/	KIT GUARD SCUFFGUARD 8PK	X	X
KP253/	KIT,TOP CAP,5MM ROAD	X	X
KP017/	KIT,COMP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

CAAD 10

HEAD TUBE/HEADSET	Upper: 1 1/8 , Lower: 1 1/4
BOTTOM BRACKET	BB30/68mm
FRONT DERAILLEUR TYPE	Braze-on
SEAT POST / BINDER DIA.	27.2/
MAX. TIRE	

REAR DROPOUT	130mm
MIN. SP INSERT	90mm

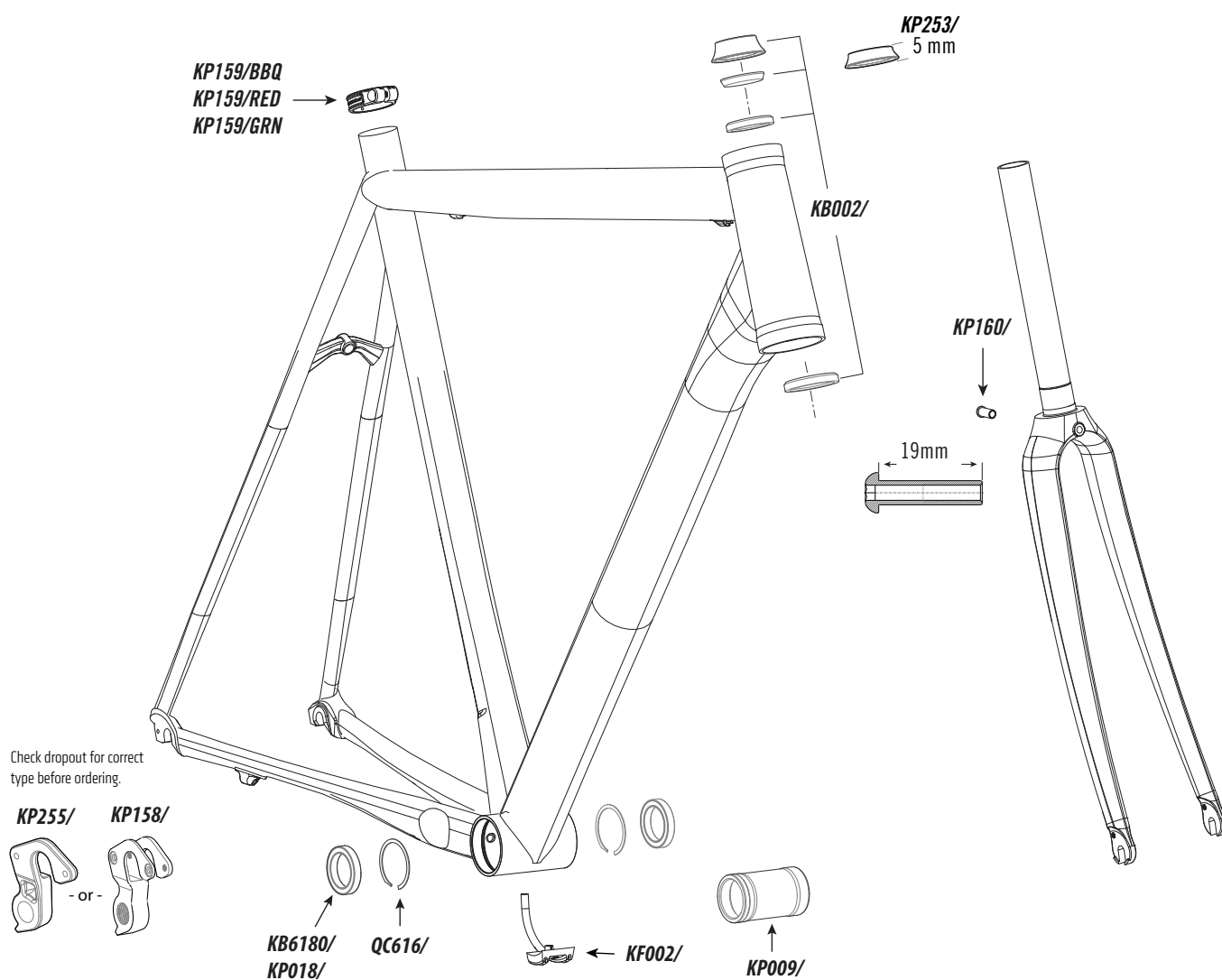


CODE	DESCRIPTION		
KF115/	KIT,GEL,DYNAMIC,CARBON SEATPOST		
KP159/BLK	KIT,SEATBINDER, ROAD 30.9		
KF002/	KIT,BB CABLEGUIDE, DOUBLE		
KP412/	KIT, CABLE GUIDE, HYDRO, ROAD		
KP158/	KIT,DER HANGER,RD CAAD10		
KF055/	KIT,ADJUSTER-INLINE SHIFTER-2		
KA048/	KIT,QR SKEWER,TRAINER,130MM		
KP269/	KIT GUIDE BRAKE SUPERSIX EVO WMNS 44-48		
KP224/	KIT GUIDE BRAKE H-TUBE		
KP193/	KIT GUIDE BRAKE SUPERSIX EVO		

CODE	DESCRIPTION		
KP157/	KIT, BRAKE BOLT, 12.5MM		
KP155/	KIT,HEADSET,CAAD10,CRB		
KP253/	KIT,TOP CAP,5MM ROAD		
KP017/	KIT,COMP ASSY,23.6ID,EXPANDER		
KP156/	KIT,CROWN RACE, CAAD10		
KP009/	KIT,ADAPTER,SIBB TO 68MM TAP		
KF365/	KIT,TOOL,SIBB/68 ADP.INSTALL		
KF366/	KIT,TOOL,SIBB ADAPTER EXTRACT		

CAAD 8

HEAD TUBE	1 1/8"		
BB SHELL WIDTH	BB30 - 68mm		
SEAT POST DIAMETER	27.2mm		
FRONT DERAILLEUR	31.8mm		
DROPOUT SPACING	130MM		
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

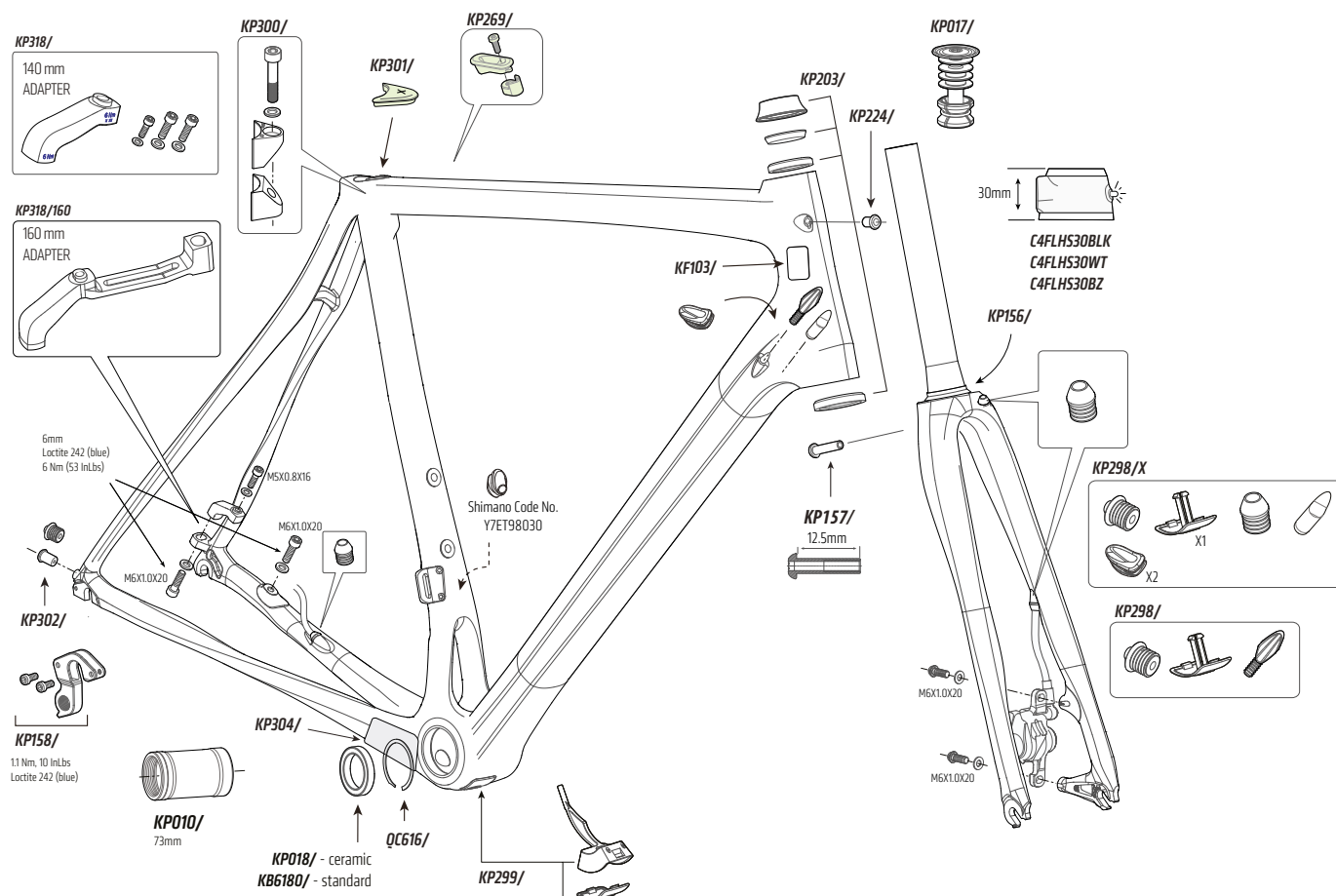


CODE	DESCRIPTION
KB002/	KIT, HEADSET, SI CRB W/25 TC
KP253/	KIT, TOP CAP, 5MM ROAD
KP158/	KIT, DER HANGER, RD CAAD10
KP255/	KIT, DER HANGER, SINGLE SIDED RD2
KF002/	KIT, BB CABLEGUIDE, DOUBLE
KP160/	KIT, BRAKE BOLT, 19MM
KF055/	KIT, ADJUSTER-INLINE SHIFTER-2

CODE	DESCRIPTION
KA048/	KIT, QUICK RELEASE FOR HOME TRAINER, 130MM
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
KP159/BLK, KP159/RED, KP159/GRN	KIT, SEATBINDER, ROAD 30.9

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



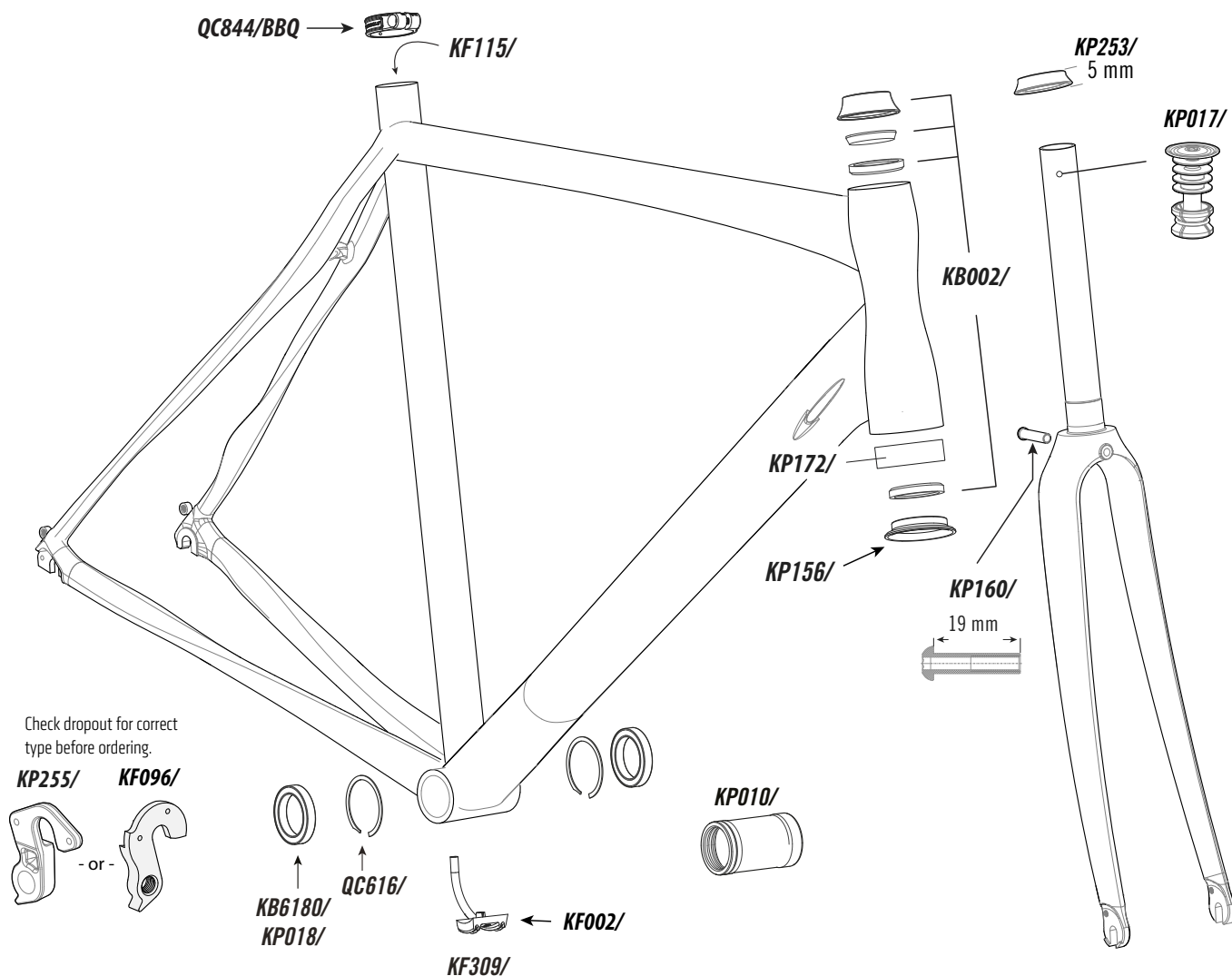
FORK		RIM	DISC
KP017/	KIT COMP ASSY 23 6ID EXPANDER	X	X
KP203/	KIT HEADSET NEW SYNAPSE CRB / SUPERSIX EVO CRB (CONTAINS KP156/)	X	X
KP156/	KIT, CROWN RACE, SYNAPSE CRB	X	X
KP157/	KIT BRAKE BOLT 12.5MM	X	
FRAME		RIM	DISC
KP158/	KIT DER HANGER RD	X	X
KP224/	KIT GUIDE BRAKE H-TUBE	X	X
KP298/	KIT DI2 SYNAPSE PLUGS BB COVER MECH.	X	X
KP298/X	KIT, DI2 SYNAPSE PLUGS BB COVER Di2	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
C4FLHS30BLK C4FLHS30WHT C4FLHS30BZ	HEADSPACER LIGHT BLACK, WHITE OR BRONZE	X	X

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

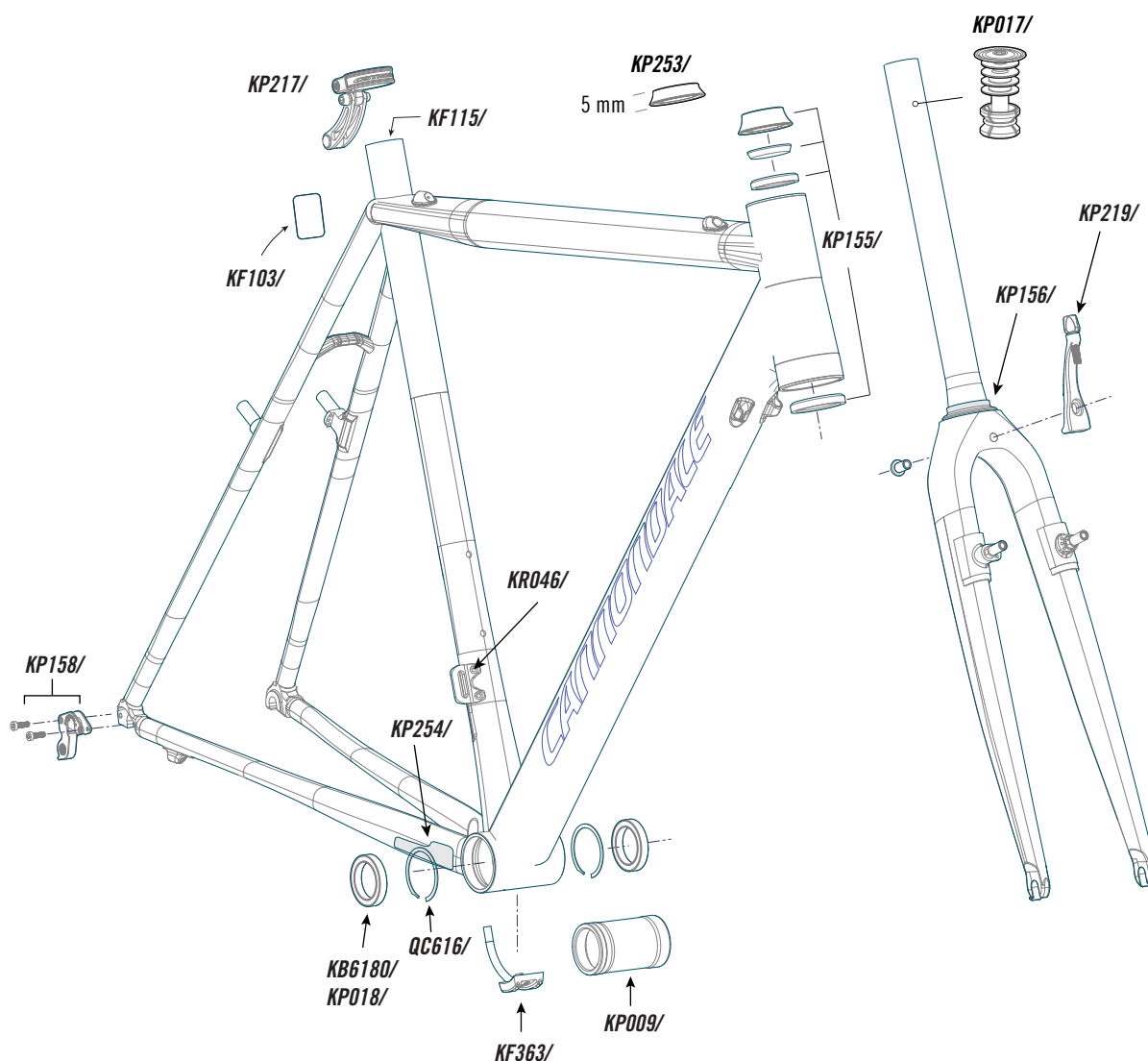


CODE	DESCRIPTION
KB002/	KIT, HEADSET, SI CRB W/25 TC
KP253/	KIT, TOP CAP, 5MM ROAD
KP172/	KIT, HEADSET CUP, LOWER AL SYN/SIX
KP255/	KIT, DER HANGER, SINGLE SIDED RD2
KF096/	KIT, DER HANGER, SINGLE SIDED RD
KF002/	KIT, BB CABLEGUIDE, DOUBLE
KP160/	KIT, BRAKE BOLT, 19MM
KF055/	KIT, ADJUSTER-INLINE SHIFTER-2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

HEAD TUBE	Upper 1 1/8" Campagnolo Hiddesenst, lower 1 1/4"		
BB SHELL WIDTH	BB30 - 68mm		
SEAT POST DIAMETER	27.2mm		
FRONT DERAILLEUR	Braze-on		
REAR BRAKE	POST MOUNT 140/160MM ONLY		
DROPOUT SPACING	135mm		
INTENDED USE	ASTM Condition 2, General purpose riding		
MINIMUM SEAT POST INSERT	90mm		
MAXIMUM WEIGHT LIMIT (LBS/KG)	Rider	LUGGAGE*	TOTAL
* (SEAT BAG ONLY)	275/125	10/4.5	285/129

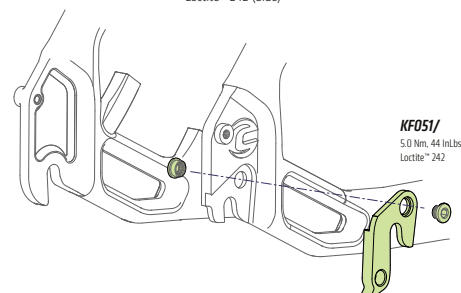
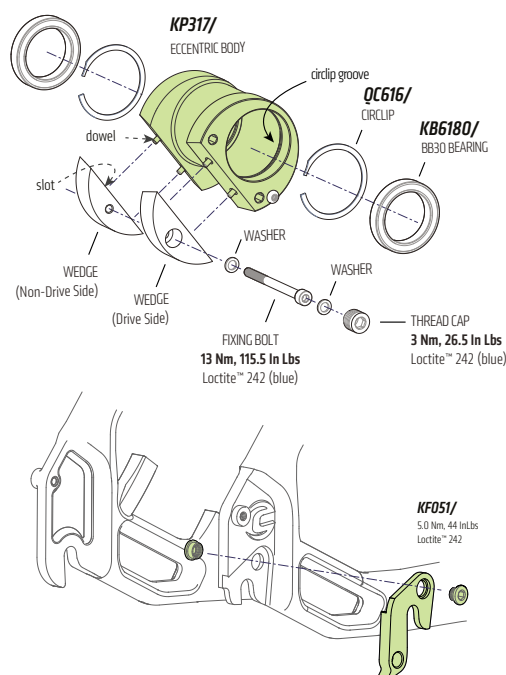
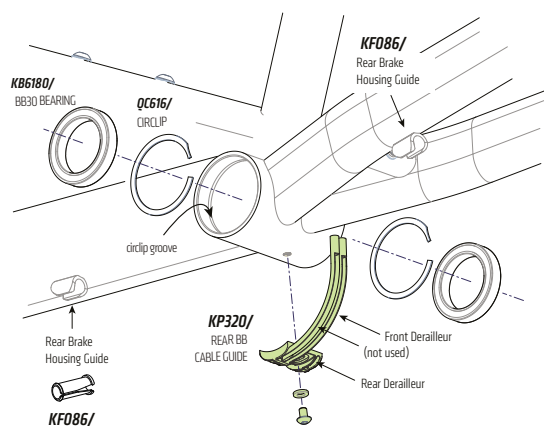
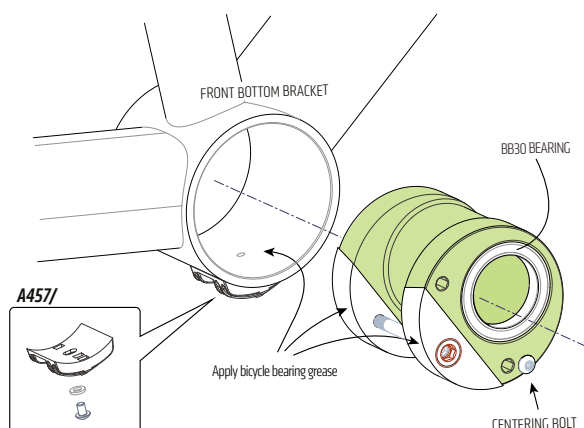


CODE	DESCRIPTION
KP155/	KIT, HEADSET, CAAD10, CRB (CONTAINS KP156/)
KP253/	KIT, TOP CAP, 5MM ROAD
KP017/	KIT, COMP ASSY, 23.6ID, EXPANDER
KP156/	KIT, CROWN RACE, CAAD10
KF363/	KIT, BB CABLEGUIDE, SYNAPSE, GUIDE W/ FIXING BOLT

CODE	DESCRIPTION
KP217/	KIT, SEATBINDER, SUPER X
KP219/	KIT, BRAKE, CABLESTOP, SUPERX FRK
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
KR046/	KIT FD MOUNT WITH RIVETS

TANDEM

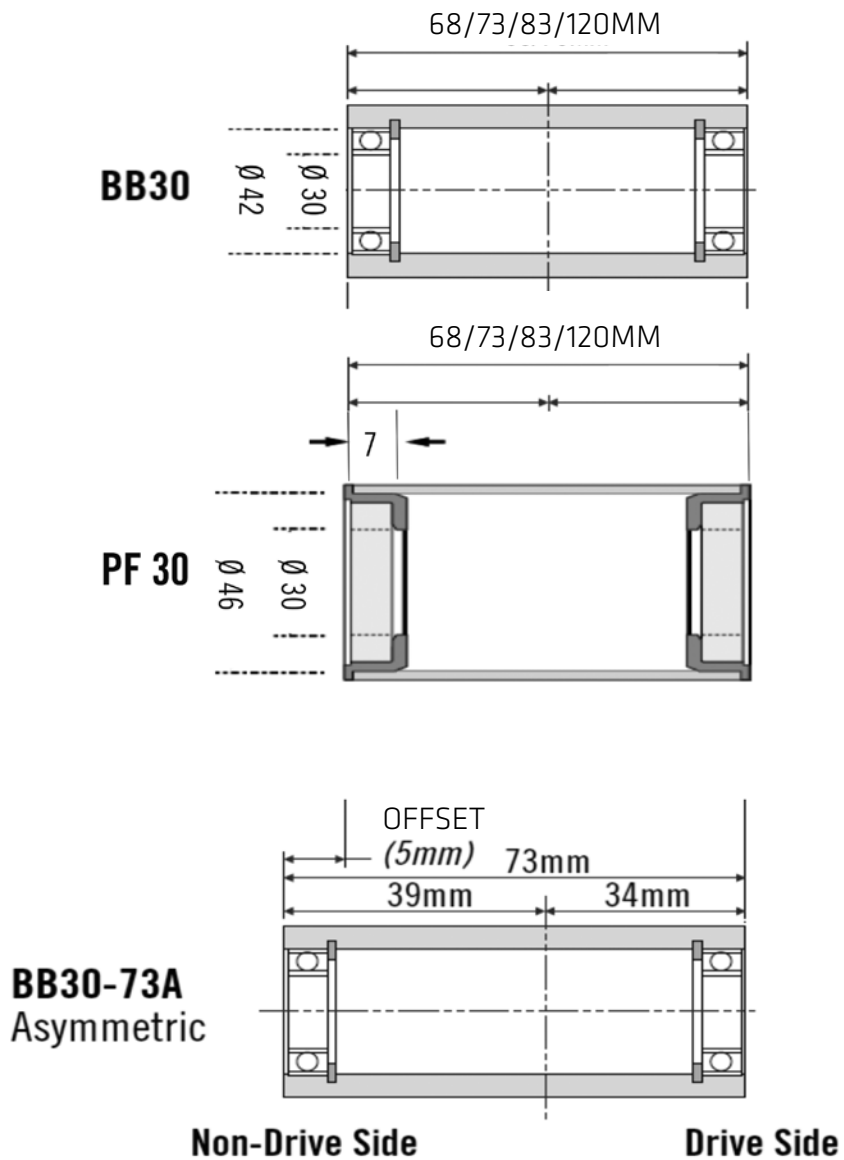
MODELS	ROAD 700C		MOUNTAIN 29R	
HEAD TUBE	CAMPY STYLE BEARINGS: 41.8MOD W/ 45 CHAMFERS		1.5IN CHAMFERS	
TIMING CHAIN LENGTH	SIZE	Link	SIZE	Link
	M/S	78	MD	78
	L/S	78	LG	79
	X/S	78		
	J/M	79		
BB SHELL WIDTH	FR: BB30 ECCENTRIC	RR: BB30	FR: BSA ECCENTRIC	RR: BSA
SEAT POST DIAMETER	FR: 31.6MM		RR: 27.2	
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	



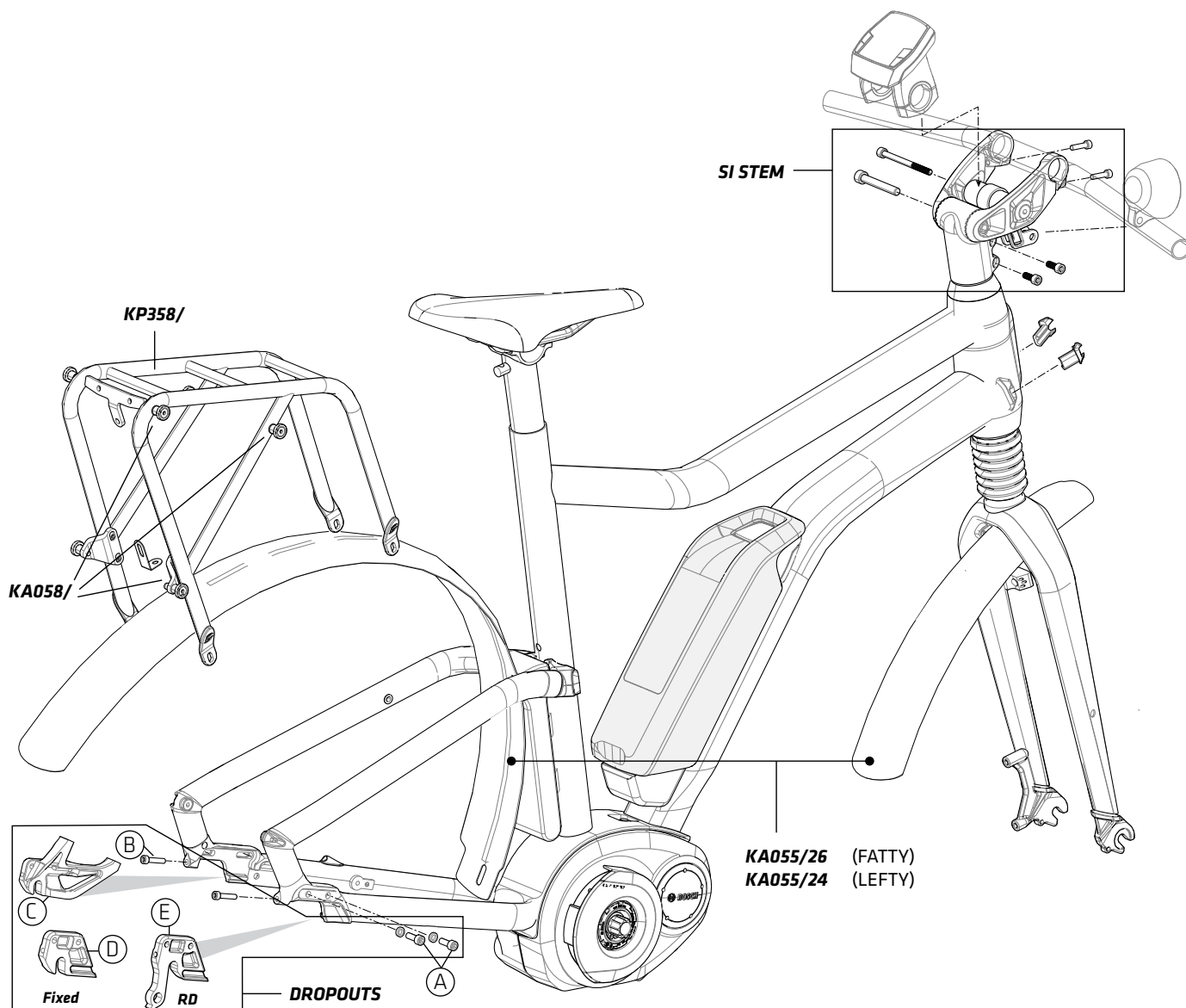
CODE	DESCRIPTION
A457/	KIT,BB CABLEGUIDE,TANDEM; 3 channel BB cable guide
KP230/	BB GUIDE FOR REAR BB
A181/	KIT,BB ECCENTRIC,TANDEM/1FG; COMPLETE
KP317/	BB30 ECCENTRIC ASSY (QC616, KB6180 not incld)
KP103/	KIT,BB ECCENTRIC,HWARE -**A181/**
KA027/	KIT,STEM,STOKER,ADJUSTABLE; FOR USE WITH 31.6 SEATPOST 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, S1BB TO 68MM TAP

CANNONDALE BOTTOM BRACKET



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

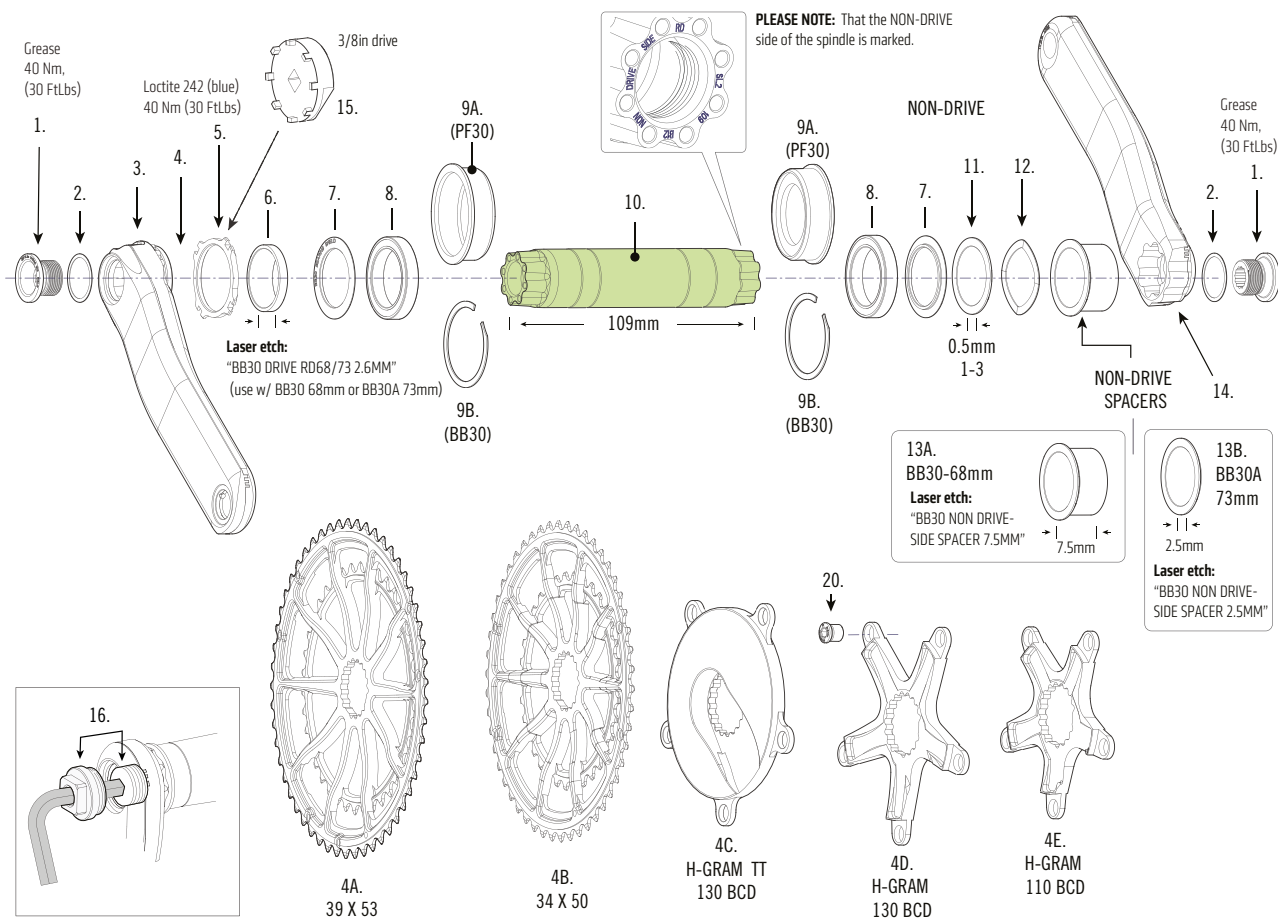
2016 E-BIKE SPAREPARTS

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 ROAD - KIT LIST



	NO. (QTY)	CODE	DESCRIPTION	COMMENT
CRANKSET	1(2), 2(2), 3, 4A, 5, 6, 7(2), 8(2), 9A(2), 9B(2), 10, 11(3), 12, 13A, 13B, 14	C711200001	CRANKSET,SL2,ROAD 39/53,170	
		C711300001	CRANKSET,SL2,ROAD 39/53,172	
		C711400001	CRANKSET,SL2,ROAD 39/53,175	
		C711100002	CRANKSET,SL2,ROAD 34/50,165	
		C711200002	CRANKSET,SL2,ROAD 34/50,170	
		C711300002	CRANKSET,SL2,ROAD 34/50,172	
		C711400002	CRANKSET,SL2,ROAD 34/50,175	
		C711200003	CRANKSET,HGSI,ROAD 39/53,170	
		C711300003	CRANKSET,HGSI,ROAD 39/53,172	
		C711400003	CRANKSET,HGSI,ROAD 39/53,175	
		C711100004	CRANKSET,HGSI,ROAD 34/50,165	
		C711200004	CRANKSET,HGSI,ROAD 34/50,170	
		C711300004	CRANKSET,HGSI,ROAD 34/50,172	
		C711400004	CRANKSET,HGSI,ROAD 34/50,175	

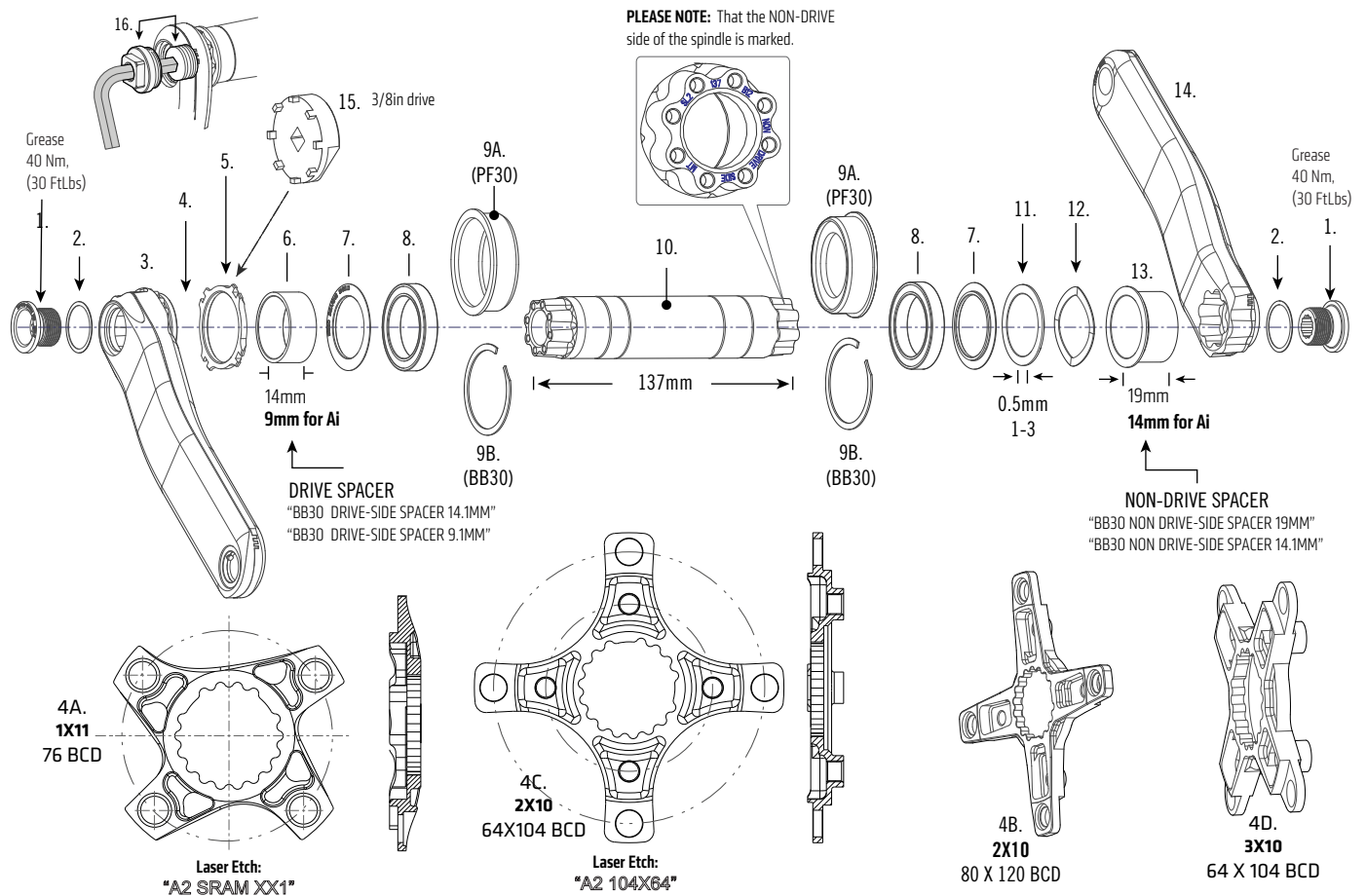
SI HOLLOWGRAM ROAD - KIT LIST

Individual Replacement and Service Parts

CRANKARMS	RIGHT CRANKARM				LEFT CRANKARM			
	TYPE	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)					
SPIDERS	4A	CU4042SI53	ROAD SPIDERING 53/39 SI (10ARMS)					
	4A	KP408/	ROAD SPIDERING 52/36 (8ARMS)					
	4B	CU4042SI50	ROAD SPIDERING 34/50 SI (10ARMS)					
	4B	KP407/	ROAD SPIDERING 34/50 (8ARMS)					
	4C	KP137/	KIT,SPIDER,H-GRAM AERO,130BCD					
	4D	QC694/	KIT,SPIDER,H-GRAM SI,130MM BCD					
	4E	QC693/	KIT,SPIDER,H-GRAM SI,110MM BCD					
	4F	KF360	KIT,BOLT,SI C-RING, MK4/5 ONLY					
SPINDLE	5	KP021/	KIT,LOCKRING-SL --REQUIRES KT012/					
	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					
	--	KP218/	KIT,LOCTITE 609 W/ACTIVATOR					
MISC	9B(2)	QC616/	KIT,CIRCLIP,BB-SI					
	8(2)	KB6180/	KIT,BEARING,BB-BB30 (SKF#6806-2RS /SRI2 /90% FILL)					
	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					
		KP009/	KIT,ADAPTER,SIBB TO 68MM TAP					
TOOLS/ ADAPTER		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 earrings					
	15	KT012/	KIT,TOOL-LOCK RING-SI					
	16	KT013/	KIT,CRANK EXTRACTION TOOL; 2 PIECES					
		KF365/	KIT,TOOL,SIBB/68 ADP.INSTALL					
		KF368/	KIT,TOOL,SIBB/73 ADP.INSTALL					
		KF366/	KIT,TOOL,SIBB ADAPTR EXTRACT					

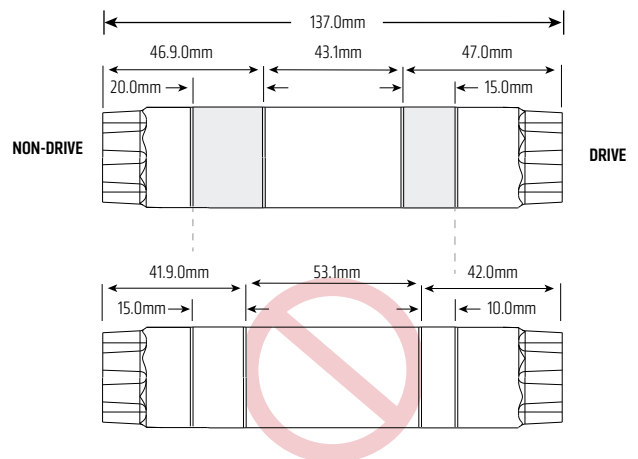
SI HOLLOWGRAM MOUNTAIN-KIT LIST



SPECIFIC COMPONENTS

4F. 1X11 5mm CL Offset 76 BCD
Laser Etch: "A2 SRAM 1X CL_55.6"

4E. 2X10 5mm CL Offset 64X104 BCD
Laser Etch: "A2 SRAM 2X10 5mmCL"



PLEASE NOTE:

The bearing lands (areas shown shaded) of the 137mm Ai compatible spindle (top) are 5mm wider than the previous revision 137mm spindle (bottom).

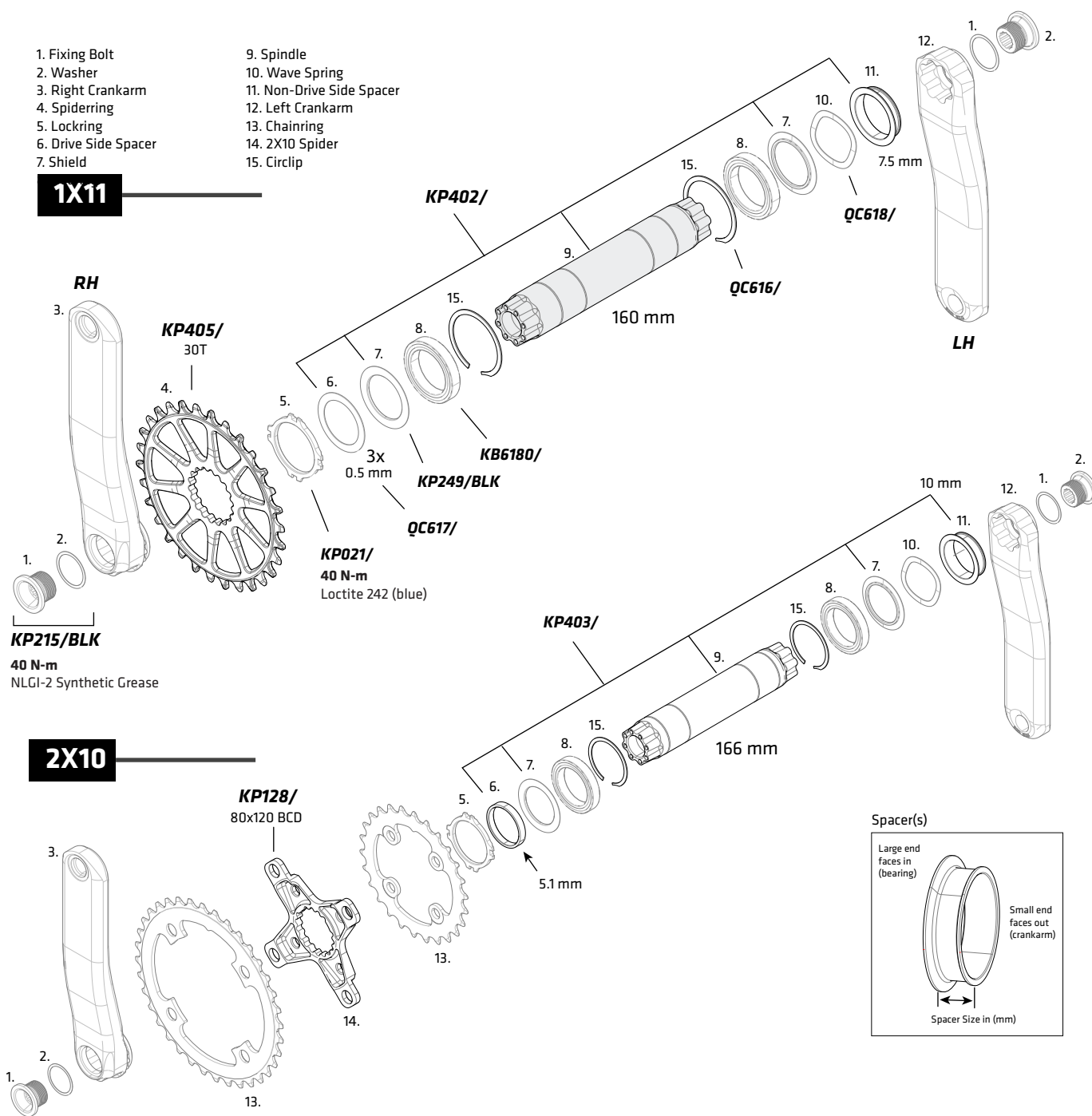
Also, the Ai compatible 137mm spindle IS compatible with non-Ai Hollowgram MTN cranksets. However, the older revision spider is not Ai compatible.

SI HOLLOWGRAM MOUNTAIN-KIT LIST

Individual Replacement and Service Parts

CRANKARMS	TYPE	RIGHT CRANKARM				LEFT CRANKARM		
		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)					
SPIDERS	4A	KP296/	KIT,SPIDER-SI MTN,XX1					
	4B	KP128/	KIT,SPIDER,SI MTN,SRAM 80/120BCD 4BOLT					
	4C	KP241/	KIT,SPIDER,SI MTN,SRAM 64/104BCD 4BOLT					
	4D	KF355/	KIT,SPIDER-SI MTN,TRIPLE 64/104BCD 4BOLT					
	4E	KP352/	KIT SPIDER SI MTN SRAM 64/104 4-BOLT AI		 - AI SPECIFIC FSI 29 2X10, 5mmCL			
	4F	KP354/	KIT SPIDER SI MTN XX1 AI		 - AI SPECIFIC FSI 29 1X11, 5mmCL			
			CU4041SI30	MTB SPIDERING SL 30T X-SYNC				
			CU4041SI32	MTB SPIDERING SL 32T X-SYNC				
			CU4041AI30	MTB SPIDERING SL 30T X-SYNC AI OFFSET				
			CU4041AI32	MTB SPIDERING SL 32T X-SYNC AI OFFSET				
			CU4041AI34	MTB SPIDERING SL 34T X-SYNC AI OFFSET				
SPINDLE	5	KP021/	KIT,LOCKRING-SL		--REQUIRES KT012/			
	1(2), 2(2), 6, 7(2) 8(2), 9A(2), 9B(2) 10, 11(3), 12, 13	KP306/	KIT,BB,CDALE SI,68/73X137 BB30/PF30					
		KP402/	KIT, SPINDLE, H'GRAM, FAT CAAD1, 160MM		NEW FOR 2016			
		KP403/	KIT, SPINDLE, H'GRAM, FAT CAAD2, 166MM					
MISC	--	KP218/	KIT,LOCTITE 609 W/ACTIVATOR					
	9B(2)	QC616/	KIT,CIRCLIP,BB-SI					
	8(2)	KB6180/	KIT,BEARING,BB-BB30		(SKF#6806-2RS /SRI2 /90% FILL)			
	8(2), 9A(2)	KP197/	KIT,BEARING,BB-PF30					
	7(2)	KP249/BLK	KIT,BEARING SHIELD,BB-SL2					
	10	KP308/	KIT,SPINDLE-SI MTN, 137MM		RUNNING PRODUCTION CHANGE See Ai comparision graphic.			
	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 earings			
15		KT012/	KIT,TOOL-LOCK RING-SI					
16		KT013/	KIT,CRANK EXTRACTION TOOL; 2 PIECES					
		KF365/	KIT,TOOL,SIBB/68 ADP.INSTALL					
		KF368/	KIT,TOOL,SIBB/73 ADP.INSTALL					
		KF366/	KIT,TOOL,SIBB ADAPTR EXTRACT					

SI HOLLOWGRAM FAT CAAD



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,CRANKBOLTS, H-GRAM SL2, (2)	

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

CANNONDALE WHEELS

	HOLLOWGRAM SL	HOLLOWGRAM	CZERO ROAD	CZERO MTN 29 Scalpel 142x12	CZERO MTN 29 F-Si 9x135	CZERO MTN 27.5 Habit 142x12	CZERO MTN 27.5 F-Si 9x135	CZERO MTN F-Si Womens 9x135	C3 ROAD CAAD8
FRONT HUB	KA066/FR	KA066/FR	KA063/FR	KA070/FT	KA070/FT	KA070/FT	KA070/FT	KA070/FT	N/A
REAR HUB	KA066/RR	KA068/RR	KA063/RR	KA070/RR	KA073/RR	KA070/RR	KA073/RR	KA077/RR	N/A
FREEHUB BODY	DT/SWISS	KP416/	KP416/	KP420/	KP420/	KP420/	KP420/		KP413/
SPOKE LENGTH FT	279/292	279/292	305/306	305	305	285	285	285	293
SPOKE LENGTH RR	297	297	305/306	305	305	285	285	285	287/285
SPOKE TYPE	DT Aerolite	DT Aerolite	DT Aerolite	15G Round	15G Round	15G Round	15G Round	15G Round	15G Round
NIPPLES	Internal Alloy	Internal Alloy	External Alloy	External Alloy	External Alloy	External Alloy	External Alloy	External Alloy	External Brass
SPOKE COUNT FT	24	24	28	24	24	24	24	24	32
SPOKE COUNT RR	28	28	28	28	28	28	28	28	32
TUBELESS COMPATIBLE	Y	Y	N	Y	Y	Y	Y	y	N
SPOKES KIT	N/A	N/A	N/A	KP429/305	KP429/305	KP429/285	KP429/285	KP429/285	N/A

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	2009	
BAD BOY 0	2012	NA
BAD BOY 0	2013	NA
BAD BOY 0	2014	NA
BAD BOY 2	2012	
BAD BOY 2	2013	
BAD BOY 2	2014	KP048/
BAD BOY 3	2012	NA
BAD BOY 4	2012	
BAD BOY 4	2013	
BAD BOY 6	2012	
BAD BOY 6	2013	
BAD BOY 6	2014	KP048/
BAD BOY 7	2009	
BAD BOY 7	2012	
BAD BOY 7	2013	
BAD BOY 7	2014	KP048/
BAD BOY 700	2010	
BAD BOY 8	2009	
BAD BOY 8	2010	
BAD BOY 8	2012	NA
BAD BOY 8	2014	NA
BAD BOY 8 ULTRA	2009	
BAD BOY 8 ULTRA	2010	
BAD BOY DISC	2009	
BAD BOY DISC 26	2010	
BAD BOY ROHLOFF	2009	
BAD BOY ROHLOFF	2010	
BAD BOY SINGLESPEED	2009	
BAD BOY SOLO	2009	
BAD BOY SOLO 3-SPEED	2010	
BAD BOY SOLO ULTRA	2009	
BAD BOY ULTRA	2009	
BAD BOY ULTRA	2010	
BAD BOY ULTRA SOLO 26	2010	
BAD BOY V-BRAKE 26	2010	
BAD GIRL 1	2012	
BAD GIRL 2	2012	

BIKE MODEL	MODEL YEAR	CODE
BEAST OF THE EAST	2016	KP419/
CAAD 12	2016	KP255/
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/
CAPO	2010	
CHASE 1 & 2	2009	KF051/
CHASE 3	2009	KF051/
CLAYMORE	2011	KP173/
CLAYMORE	2012	KP173/
CLAYMORE	2013	KP173/
CO2 WMN	2009	
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	KP173/
FLASH 29ER ALLOY	2010	KP048/
FLASH 29ER ALLOY	2011	

REAR DERAILLEUR HANGER KITS

BIKE MODEL	MODEL YEAR	CODE
FLASH 29ER ALLOY	2012	KP121/
FLASH 29ER CARBON	2010	
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	KP121/
HABIT / BAD HABIT CARBON / ALLOY	2016	KP381/
HOOLIGAN	2009	
HOOLIGAN	2010	
HOOLIGAN	2012	
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	KP173/ (142mm), KP174 (135mm)
JUDGE	2009	QC750/
LEXI	2011	KF051/
LEXI	2012	
LEXI	2013	
LEXI	2014	
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
MOUNTAIN TANDEM	2009	KF051/
MOUNTAIN TANDEM	2010	KF051/
PERP	2009	QC750/
PROPHET	2009	
QUICK 8	2010	

BIKE MODEL	MODEL YEAR	CODE
QUICK 8 MIXTE	2010	
QUICK CX	2010	
QUICK CX 1	2012	
QUICK CX 1	2013	
QUICK CX 1 MIXTE	2012	
QUICK CX 1 MIXTE	2013	
QUICK CX 2	2012	
QUICK CX 2	2013	
QUICK CX 2	2014	KF096/
QUICK CX 2 MIXTE	2012	
QUICK CX 2 MIXTE	2013	
QUICK CX 3	2012	
QUICK CX 3	2013	
QUICK CX 3	2014	KF096/
QUICK CX 3 MIXTE	2012	
QUICK CX 3 MIXTE	2013	
QUICK CX 4	2013	
QUICK CX 4 MIXTE	2013	
QUICK CX 700	2010	
QUICK CX ULTRA	2010	
QUICK CX ULTRA MIXTE	2010	
QUICK SPEED 1	2012	KF096/
QUICK SPEED 1	2013	KP255/
QUICK SPEED 1	2014	KF096/
QUICK SPEED 2	2012	
QUICK SPEED 2	2013	
QUICK SPEED 2	2014	KF096/
QUICK SPEED 2 WMN	2012	
QUICK SPEED 2 WMN	2013	
QUICK SPEED 2 WMN	2014	KF096/
QUICK SPEED 3	2012	
QUICK SPEED 3	2013	
QUICK SPEED 3 WMN	2012	
QUICK SPEED 3 WMN	2013	
QUICK SPEED 4	2013	
QUICK SPEED 4 WMN	2013	
QUICK SPEED 8	2012	NA
QUICK SPEED 8 WMN	2012	NA
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/

REAR DERAILLEUR HANGER KITS

BIKE MODEL	MODEL YEAR	CODE
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 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/
SCARLET	2012	
SCARLET	2013	
SIX ALLOY	2009	
SIX CARBON	2009	KF096/
SIX CARBON	2010	KF096/
SLATE	2016	KP419/
SLICE	2009	KF096/
SLICE	2010	KF096/
SLICE	2011	KF096/
SLICE	2012	KF096/
SLICE	2013	KF096/
SLICE	2014	KF096/
SLICE MULTISPORT	2015/2016	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/

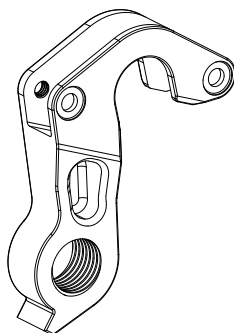
BIKE MODEL	MODEL YEAR	CODE
STREET CONQUEST NEXUS WMN	2009	KF051/
STREET LIGHT	2009	KF051/
STREET LIGHT WMN	2009	KF051/
STREET PRESTIGE	2009	KF051/
STREET PRESTIGE WMN	2009	KF051/
STREET SPORT	2009	KF051/
STREET SPORT MIXTE	2009	KF051/
STREET SPORT NEXUS	2009	KF051/
STREET SPORT NEXUS WMN	2009	KF051/
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 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	KP158/
SUPERSIX EVO WMN	2013	KP158/
SUPERSIX EVO WMN	2014	KP158/
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	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/

REAR DERAILLEUR HANGER KITS

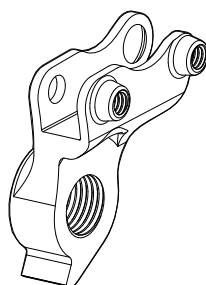
BIKE MODEL	MODEL YEAR	CODE
SYNAPSE CARBON	2012	KF096/
SYNAPSE CARBON	2013	KP158/
SYNAPSE CARBON	2014	KP158/
SYNAPSE CARBON DISC	2014	KP158/
SYNAPSE CARBON WMN	2009	KF096/
SYNAPSE CARBON WMN	2010	KF096/
SYNAPSE CARBON WMN	2011	KF096/
SYNAPSE CARBON WMN	2012	KF096/
SYNAPSE CARBON WMN	2013	KP158/
SYNAPSE CARBON WMN	2014	KP158/
TANGO SL 29ER	2013	
TAURINE	2009	
TESORO 0	2012	
TESORO 0 MIXTE	2012	
TESORO 1	2012	
TESORO 1	2014	
TESORO 1 MIXTE	2012	
TESORO 2	2012	
TESORO 2	2014	
TESORO 2 MIXTE	2012	
TESORO 3	2012	
TESORO 3	2014	
TESORO 3 MIXTE	2012	
TESORO 700	2010	
TESORO 700	2010	
TESORO LIGHT	2010	
TESORO LIGHT MIXTE	2010	
TESORO TRAVELLER CLASSIC	2010	
TESORO TRAVELLER ROHLOFF	2010	
TESORO TRAVELLER ULTRA 26	2010	
TESORO ULTIMATE	2010	
TESORO ULTRA	2010	
TESORO ULTRA MIXTE	2010	
TOURING CLASSIC	2009	
TOURING ROHLOFF	2009	
TOURING TANDEM	2009	
TOURING TANDEM	2010	
TOURING ULTRA	2009	
TRAIL	2011	KP048/
TRAIL	2012	KP048/
TRAIL	2013	KP048/
TRAIL	2014	KP048/
TRAIL 29	2013	KP048/
TRAIL 29	2014	KP284/
TRAIL SL	2010	
TRAIL SL	2011	

BIKE MODEL	MODEL YEAR	CODE
TRAIL SL	2012	
TRAIL SL	2013	
TRAIL SL 29	2010	
TRAIL SL 29	2011	
TRAIL SL 29	2012	
TRAIL SL 29	2013	
TRAIL SL 29	2014	
TRAIL SL 29ER WMN	2014	
TRAIL SL WMN	2010	
TRAIL SL WMN	2011	
TRAIL SL WMN	2012	
TRAIL SL WMN	2013	
TRAIL SL WMN	2014	
TRAIL WMN	2014	
TREKKING CONQUEST	2009	
TREKKING CONQUEST	2009	
TREKKING CONQUEST MIXTE	2009	
TREKKING CONQUEST MIXTE	2009	
TREKKING LIGHT	2009	
TREKKING PRESTIGE	2009	
TRIGGER 26 CARBON	2013	KP121/
TRIGGER 26 CARBON	2014	KP121/
TRIGGER 29 ALLOY	2013	KP173/
TRIGGER 29 ALLOY	2014	KP173/
TRIGGER 29 CARBON	2015	KP173/
TRIGGER 27.5 CARBON /ALLOY	2015/2016	KP173/
VINTAGE	2009	
VINTAGE	2010	
VINTAGE 8	2009	
VINTAGE 8	2010	
VINTAGE 8 ULTRA	2009	
VINTAGE 8 ULTRA	2010	
VINTAGE 8 ULTRA WMN	2009	
VINTAGE 8 ULTRA WMN	2010	
VINTAGE 8 WMN	2009	
VINTAGE 8 WMN	2010	
VINTAGE MIXTE	2010	
VINTAGE ULTRA	2009	
VINTAGE ULTRA	2010	
VINTAGE ULTRA MIXTE	2009	
VINTAGE ULTRA MIXTE	2010	
VINTAGE WMN	2009	

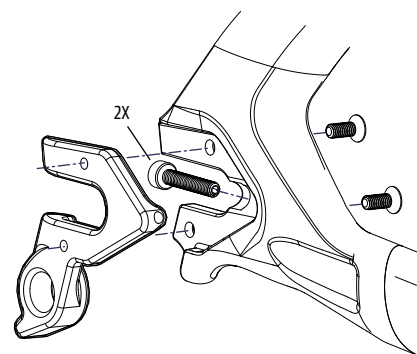
REAR DERAILLEUR HANGER KITS



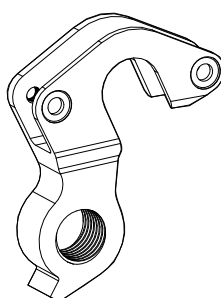
KP121/ - KIT, DER. HANGER, FLASH CRB



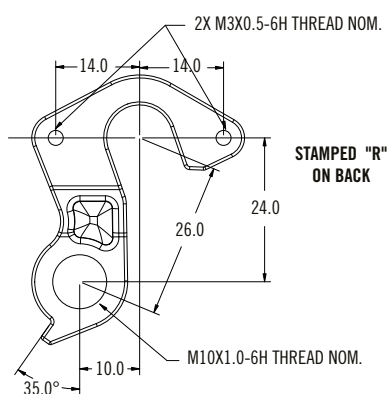
KP173/ - KIT, DER. HANGER, SI12



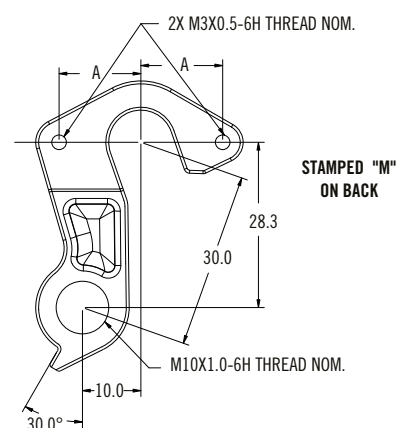
KP276/ - KIT, DER. HANGER, SLICE RS



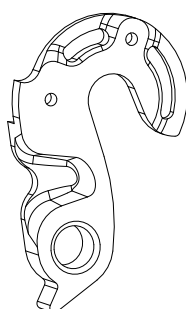
KP158/ - KIT, DER. HANGER, RD CAAD10



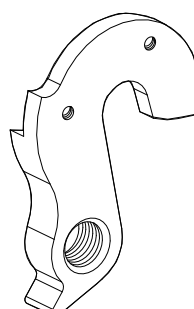
KP255/ - KIT, DER. HANGER, SINGLE SIDED RD2



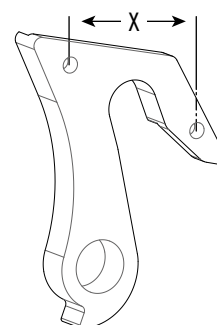
KP284/ - KIT, DER. HANGER, SINGLE SIDED MTN2
(A = 2 x 14 mm)



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



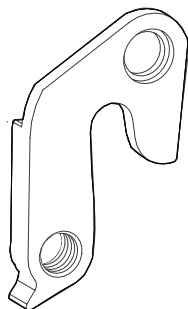
KF096/ - KIT, DER. HANGER, SINGLE SIDED RD



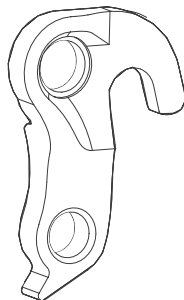
KP093/ - KIT, DER. HANGER, BAD BOY
(X = 30.55 mm)

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

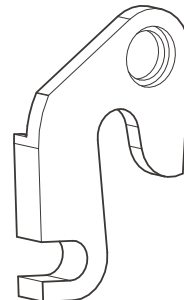
REAR DERAILLEUR HANGER KITS



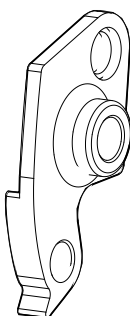
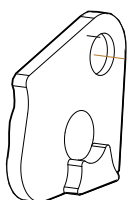
KF051/ - KIT, DER. HANGER, SINGLE SIDED 2



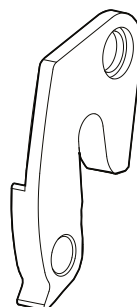
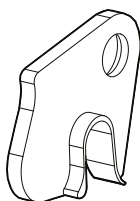
KF033/ - KIT, DER. HANGER, SS1 EARLY SCAPEL



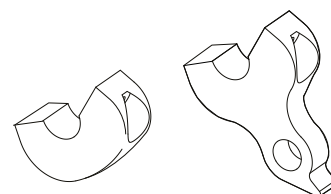
KF356/ - KIT, DER. HANGER, BOTTLE OPENER



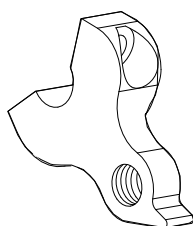
KP079/ - KIT, DER. HANGER, MOTO - MAXLE
MOTO CARBON, MOTO ALLOY



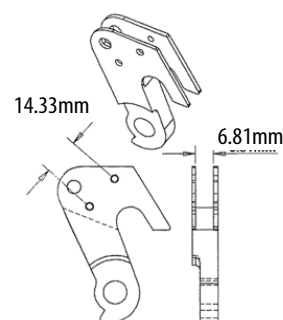
KP078/ - KIT, DER. HANGER, MOTO - QR
MOTO CARBON, MOTO ALLOY



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

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2016 KIT LIST

LEFTY OLAF-PBR 100-26" FAT	54-55
SUPERMAX 2.0-PBR 160-27.5"	56-57
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LEFTY 2.0-PBR/XLR 100 29"	60-61
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KP182/

FHCS
M4X8

QC616/

KP018/
KB6180/



OFFICIAL EUROPEAN HEADSHOK / LEFTY SERVICE CENTERS

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SWITZERLAND Eighty aid Switzerland Schlossmuehlestrasse 9 Frauenfeld 8500 tel: 0041 527 224 555 www.eighty-aid.com switzerland@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
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TROUBLESHOOTING

SYMPTOM	CONDITION	SOLUTION
Not locking out, usually accompanied by no rebound adjustment	Leaking oil from damper	Bleed or replace damper
Sinking into travel and not returning or returning very slowly	Solo air piston issue	Replace solo air piston
No rebound adjust, usually accompanied by no lockout function	Leaking oil from damper	Bleed or replace damper
Limited travel - Hybrid forks will bottom out too soon, booted forks will lose ride height	Bearing migration	See owner's manual supplement for bearing reset procedure
Clunking top out noise	Bearing migration	See Lefty Owner's Manual Supplement for bearing reset procedure
Play in wheel	Tolerance issue, not warranty	Install 1 - 3 shims from kit QC103/
Play in inner tube	Bearings, races, and race clips may be out of place or damaged	Rebuild the telescope, 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	Valve core, seal, or piston.	1. Replace valve core and/or plug . 2. Install and lubricate new air sleeve seals 3. Replace solo air piston. 4. Check inside of linner tube for scoring, replace if necessary 5. Is it really leaking air ? How much? If no psi change it may be a worn solo air piston assembly - replace.
Pushing through lockout	No issue	All forks have a blowoff in lockout mode and are designed to open up under moderate hits for comfort, traction and to protect the damper internals.
XLR equipped fork feels harsh	Damper not unlocking, remote needs to be bled	Bleed remote with Rock Shox Reverb fluid

LEFTY IDENTIFICATION (2005-2016)

SERVICABLE

Based on parts availability



LEFTY MAX (SPV,TPC,FFD)



LEFTY FOX IV



LEFTY FOX TERRALOGIC



LEFTY FOX RLC



LEFTY DLR2



LEFTY SL

Complete Service



LEFTY PBR



LEFTY PBR



LEFTY XLR



LEFTY PBR

NON-SERVICABLE

FORK EXCHANGE



DLR 100



LEFTY ELO



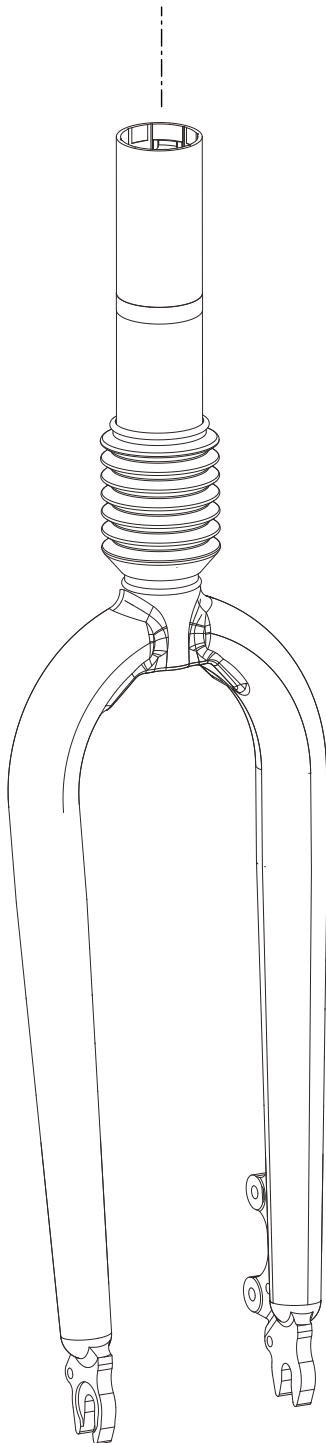
LEFTY JAKE



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

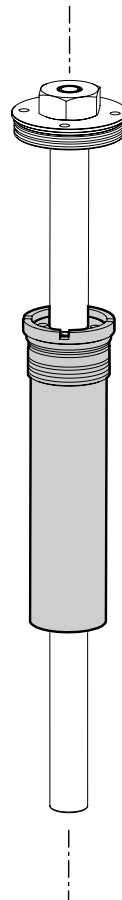
A generic damping cartridge shown, and the actual shape will differ from the example shown. A damping cartridge body "color" is the appearance of shaded area below.

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**

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/**

SERVICE CENTERS & WARRANTY REPAIR

- Any/all warranty services performed through the Service Center must be coordinated with a Return Authorization Request (RA). RA requests can now be done via our B2B website: www.csxchange.com. The form can be found under the SERVICE BULLETINS & TECHNICAL INFORMATION area of the website.
- Warranty services are performed at our Service Centers with no charge.

MAINTENANCE SCHEDULE

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

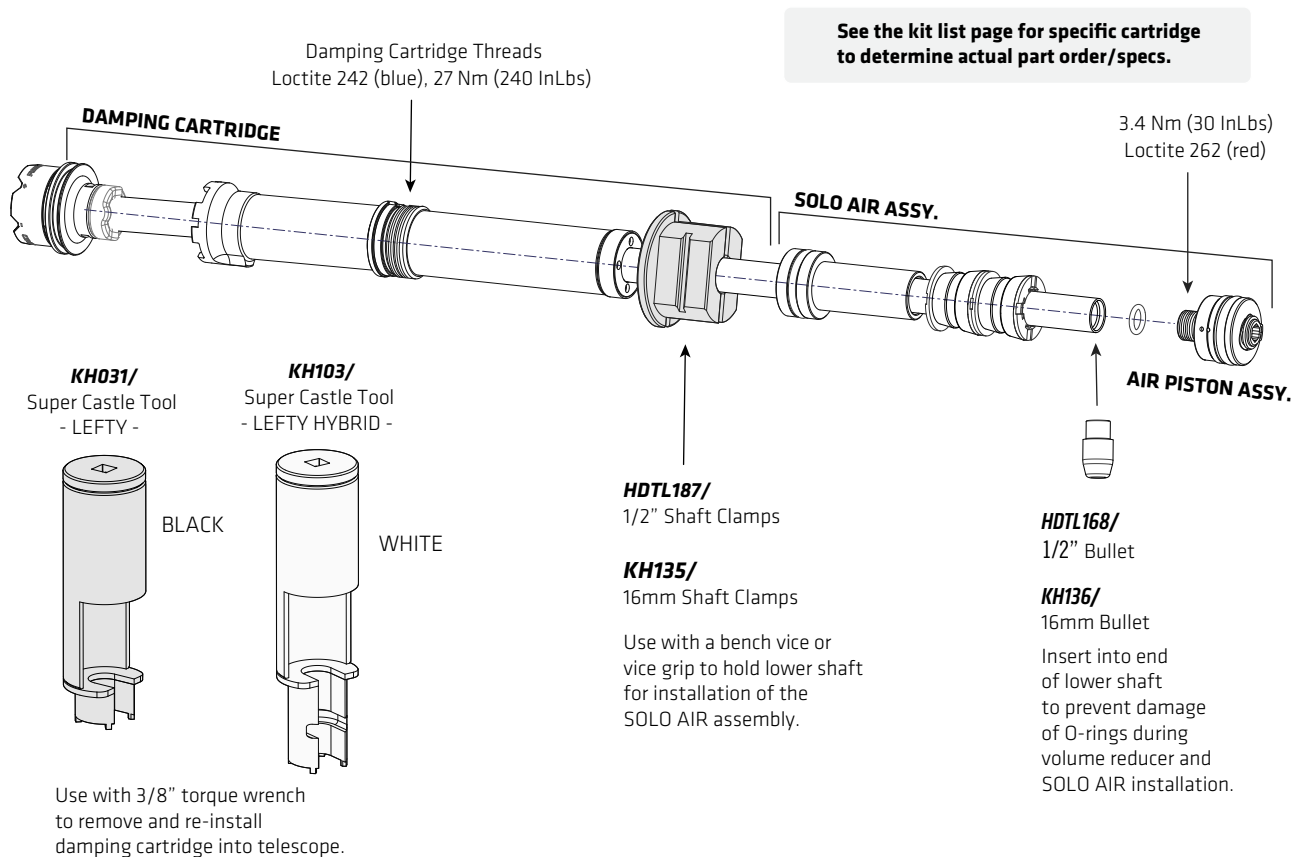
FATTY AND SOLO (DL50/DLR80)

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

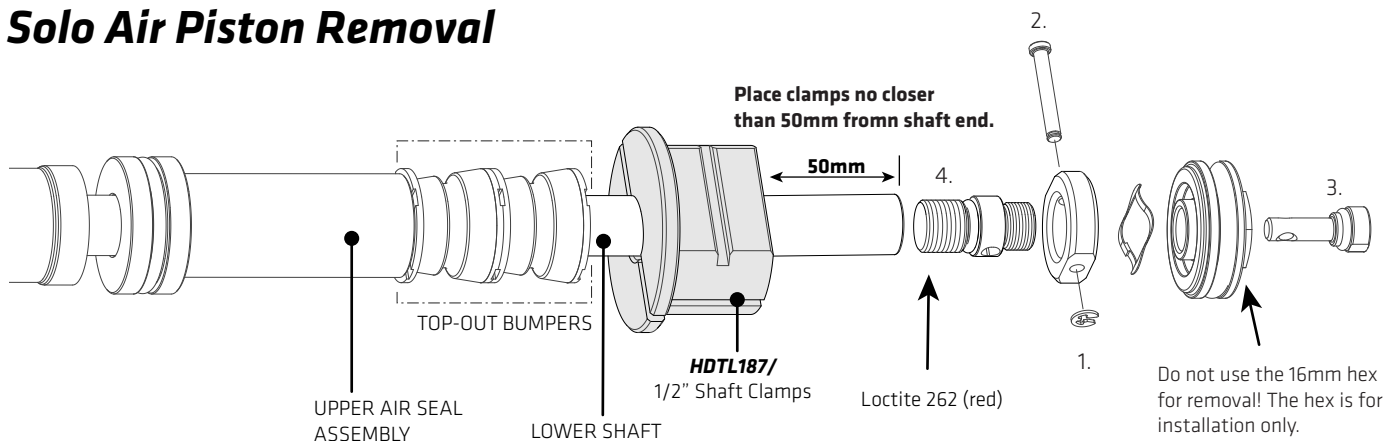
Racing can put additional strain on components and more frequent service is suggested for best performance.

DAMPING CARTRIDGE BASICS

A Typical Lefty Damping Cartridge



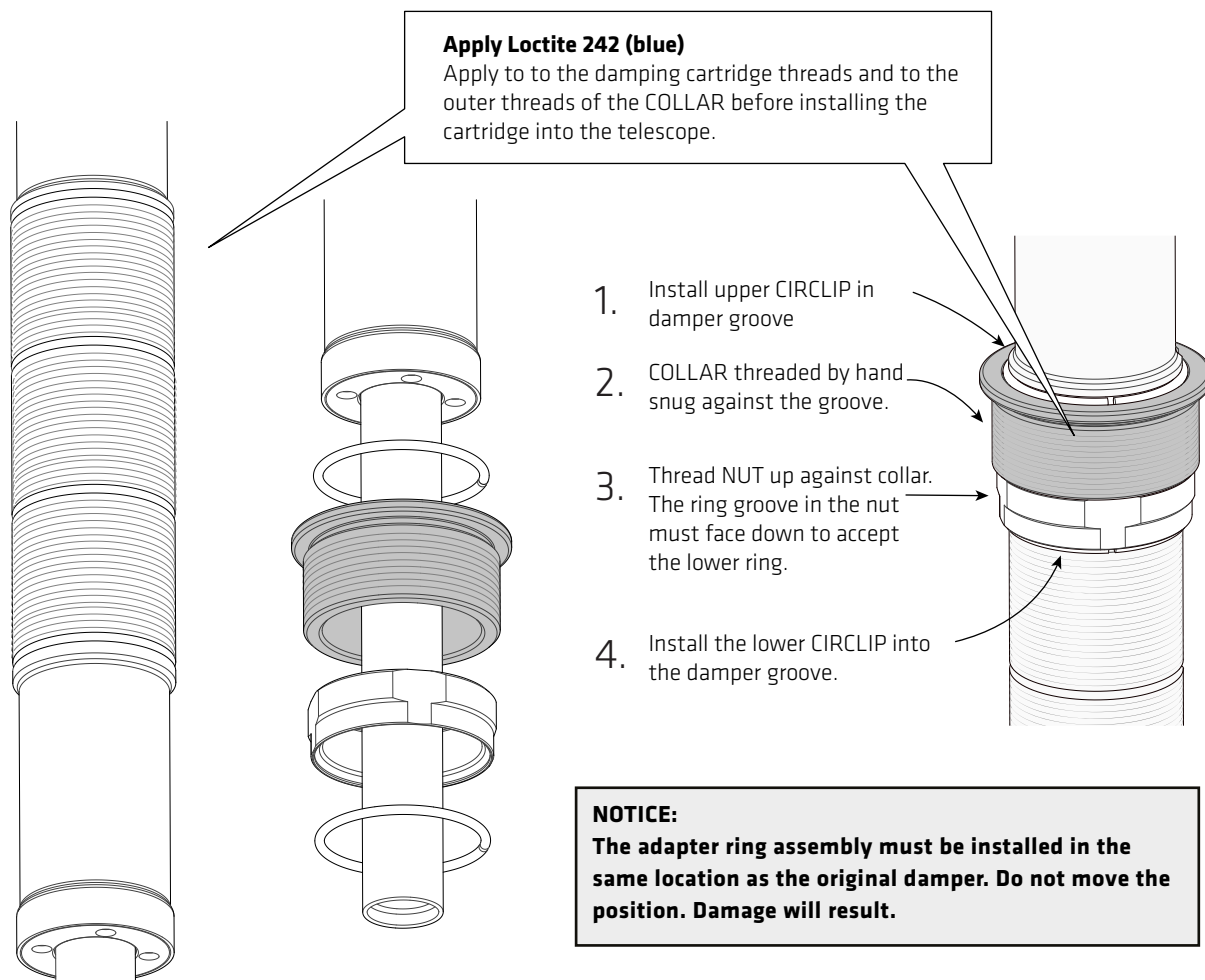
Solo Air Piston Removal



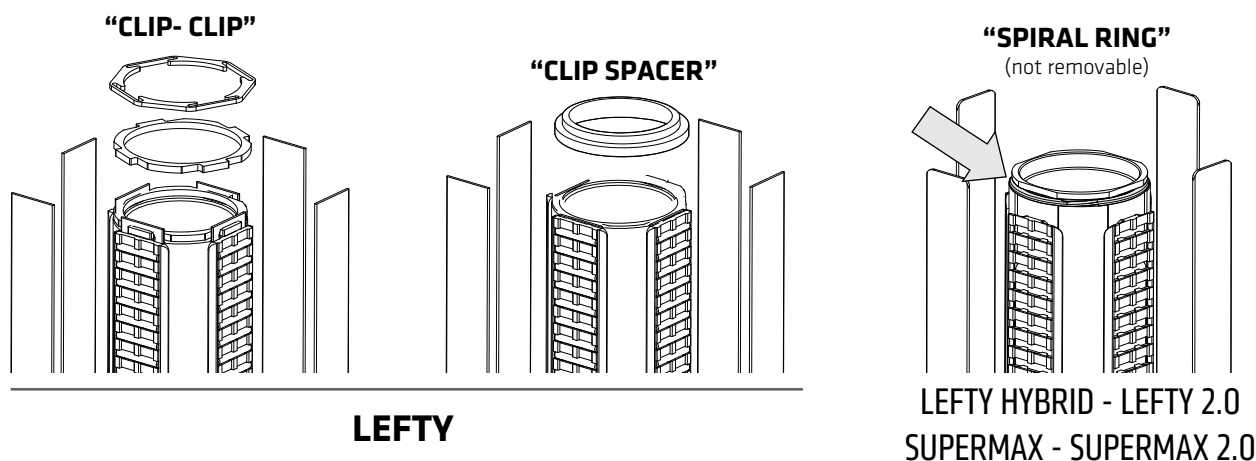
REMOVAL ORDER:

1. E-Clip
2. Pin
3. Green Valve
4. Piston and Shaft Clamp (piston support)
CANNOT be disassembled using 6mm hex wrench.

Supermax Cartridge Adapter Ring Assembly



Race Retention Identification



UPGRADE COMPATIBILITY

OPTION 3 enables the upgrade of ++older model LEFTYs produced between 2005-2015 with a PBR or XLR damping cartridge. This process involves removing the existing cartridge and related parts from the telescope and replacing removed components with a new cartridge and related internals.

KEY BENEFITS:

- Can be performed In-shop or via Headshok Service Center
- Damper cartridge disassembly is avoided.
- Upgrading an older model by removing the existing cartridge and replacing with the compatible XLR/PBR cartridge and associated parts is a great way to both renew and improve performance.
- Travel is maintained in most upgrade cases, although a small reduction may result.
- An upgrade using the parts kits listed in the chart (next page) can easily be performed by Authorized Cannondale Dealers or by sending the fork to our Authorized Headshok Service Centers.

HOW TO DETERMINE COMPATABILITY

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. 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.
5. 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).
6. 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.

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 TERRALOGIC	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/.

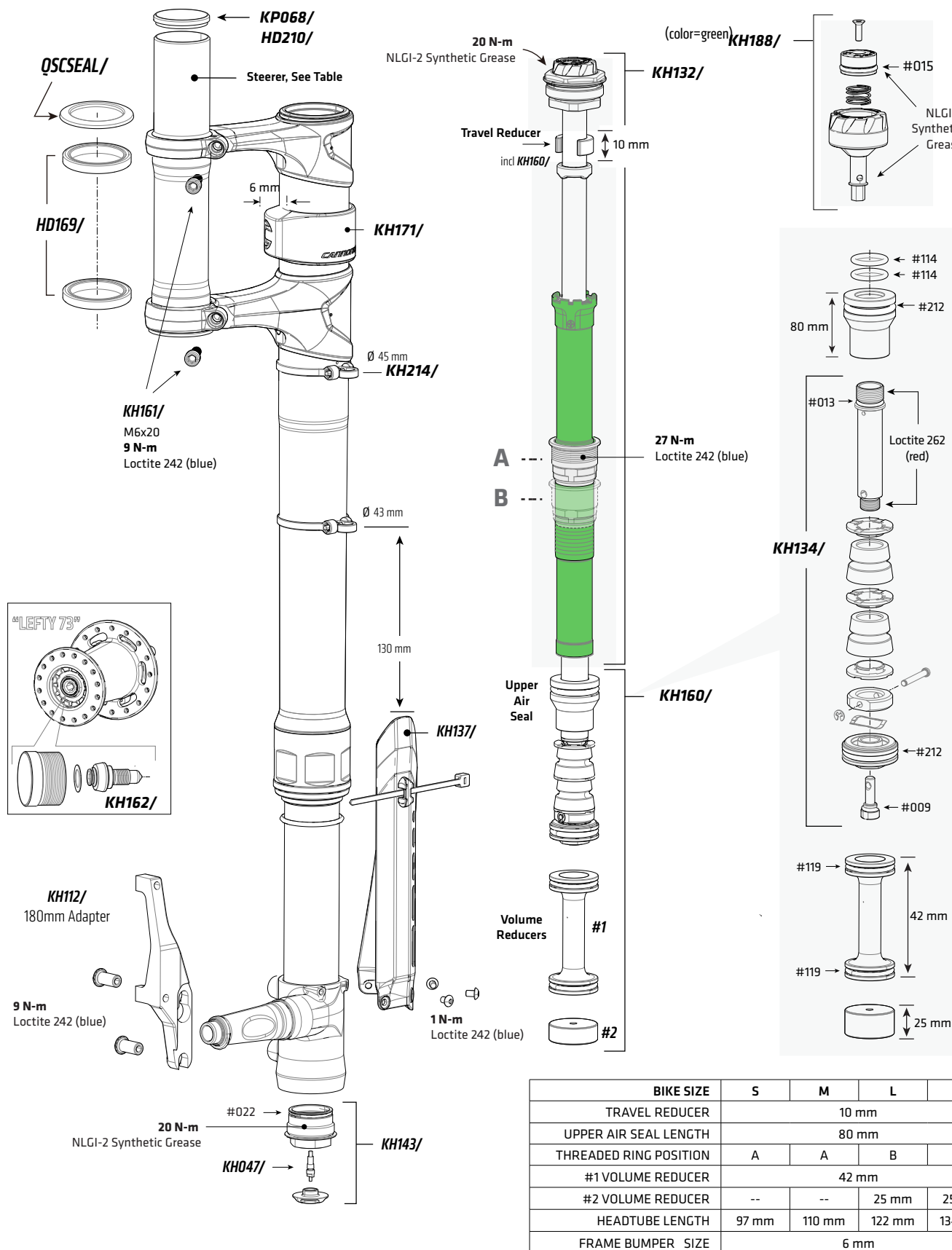
YEAR	MODEL	OLD TRAVEL	NEW DAMPER	NEW TRAVEL	CLIP CLIP	CLIP SPACER	ORDER THESE KIT CODES TO UPGRADE				INNER LEG	NOTE:
							DAMPER # (PBR - XLR)	SOLO AIR #	COLLAR # (Carbon/Bonded Alloy - OPI Alloy)	SCHRADER PLUG #		
2009	LEFTY MAX PBR	130	PBR 140	130	NO	YES	KH062/ - KH079/, KH082/	KH066/, HD010/	KH100/			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

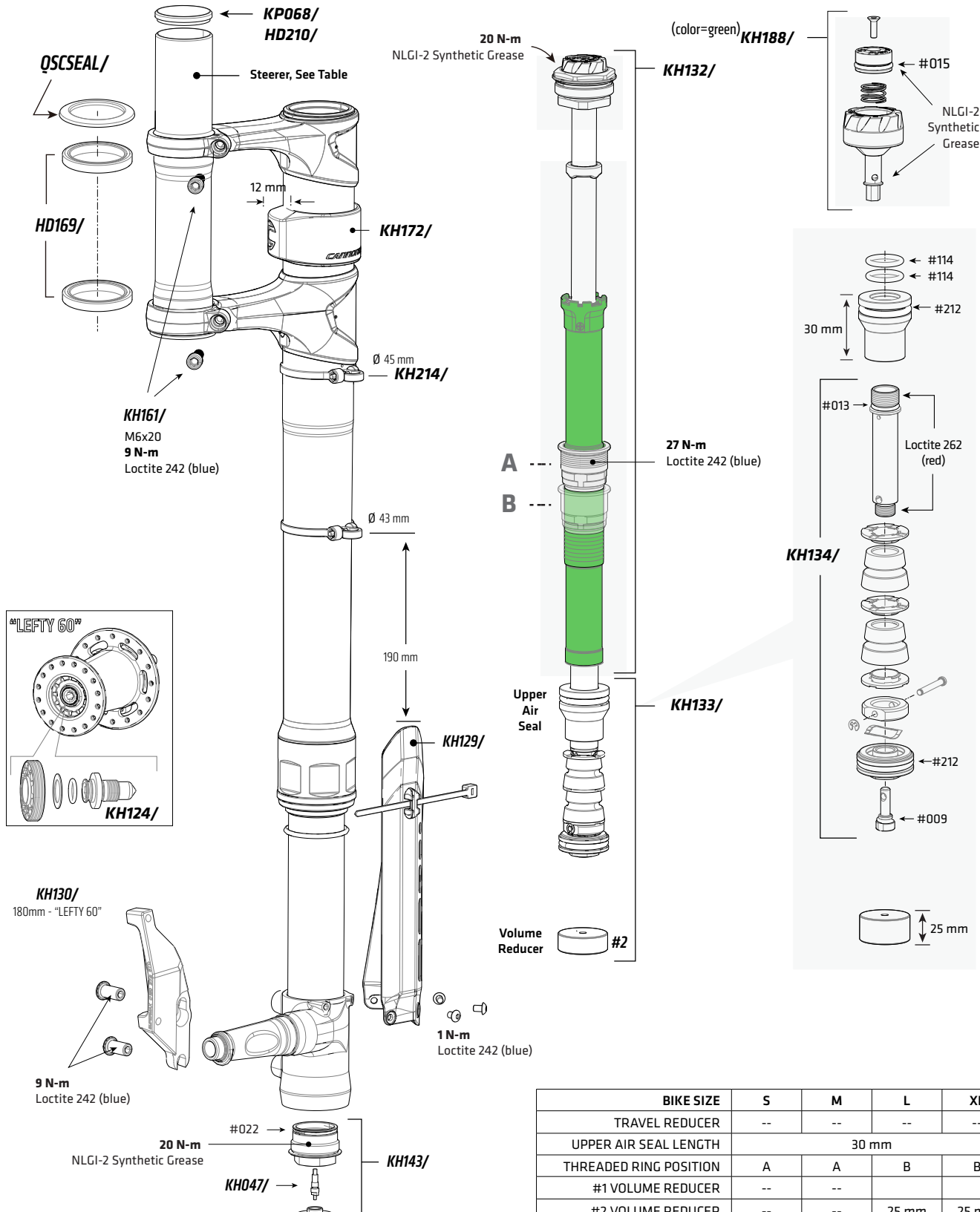
RECOMMENDED SAG	30-35 mm
TRAVEL LENGTH	100 mm
MANUAL RESET LENGTH	35 mm +/- 3
PRESSURE LIMITS	MINIMUM 50Psi, MAXIMUM 225 Psi
OFFSET	60 mm
INTENDED USE	ASTM CONDITION 3, XC Cross-Country



CODE	TELESCOPE	COMMENT
KH214/	KIT,BAND CLAMPS, CABLE GUIDE	Contains multiple clamp types/size , use 45mm and 43mm.
KH171/	KIT,FRAME BUMPER,LEFTY 6MM	
KH137/	KIT,FORK GUARD, LEFTY HYB 36 140	
KH161/	KIT,CLAMP BOLTS 20mm	
KH112/	KIT, BRAKE, ADAPTER, HYB 36, 29 LEFTY 180	
CODE	DAMPER	COMMENT
KH188/	KIT,KNOBS,PBR	
KH132/	KIT,DAMPER,PBR 160 27.5"	Also Requires KH160/
KH160/	KIT,AIR HYB36 OLAF 100mm	
KH143/	KIT,SCHRADER PLUG,SUPERMAX	
KH047/	KIT,VALVE CORES /10	
KH126/A	KIT,SEALS,100HR TUNE	not pictured
KH117/	KIT,REDUCER,SOLO AIR TUNE 36	not pictured
CODE	STEERER/HEADSET	COMMENT
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	WHEEL HUB	COMMENT
KH163/	KIT, BEARINGS, OLAF, HUB FRONT	not pictured, see Wheel Hub Kits
KH162/	KIT, AXLE CAP AND BOLT - OLAF	
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
KH164/	KIT, TOOL, TRUING AXLE ADAPTER OLAF	Also required - QCTL108/
QCTL108/	KIT, TOOL, TRUING AXLE	
KH090/	KIT, TOOL, XLR BLEED	For XLR only

SUPERMAX 2.0-PBR 160-27.5"

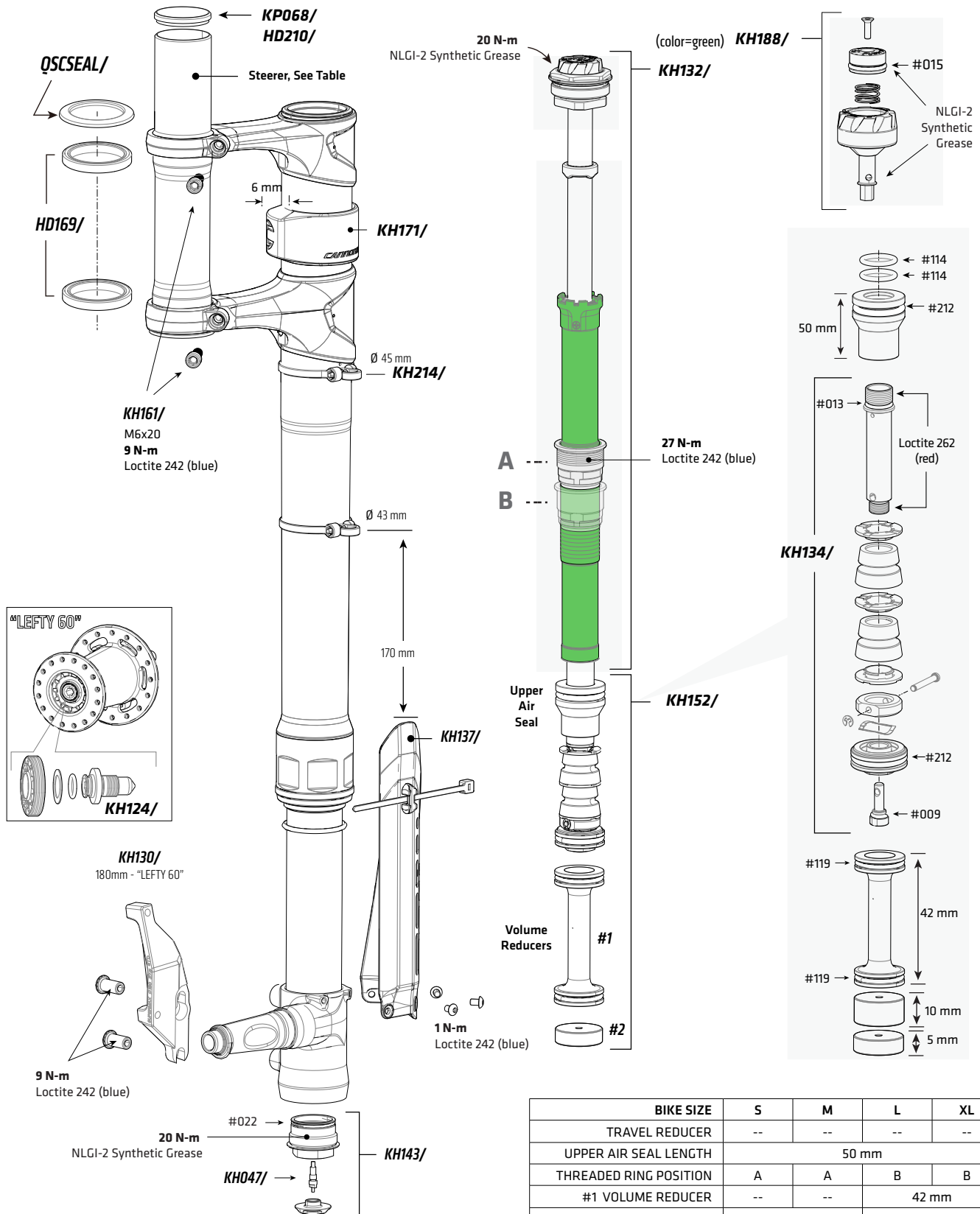
RECOMMENDED SAG	45-50 mm
TRAVEL LENGTH	160 mm
MANUAL RESET LENGTH	25 mm +/- 3
PRESSURE LIMITS	MINIMUM 50Psi, MAXIMUM 225 Psi
OFFSET	50 mm
INTENDED USE	ASTM CONDITION 4, All Mountain



CODE	TELESCOPE	COMMENT
KH214/	KIT,BAND CLAMPS, CABLE GUIDE	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	
CODE	DAMPER	COMMENT
KH188/	KIT,KNOBS,PBR	
KH132/	KIT,DAMPER,PBR 160 27.5"	Also requires - KH133/
KH133/	KIT,AIR PISTON PBR 160 27.5	
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
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	WHEEL HUB	COMMENT
KH124/	KIT,AXLE CAP AND BOLT - LEFTY 60	LEFTY 60
KB61805/	INNER HUB BEARING	
KB61902/	OUTER HUB BEARING	
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

SUPERMAX 2.0-PBR 140-27.5"

RECOMMENDED SAG	45-50 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

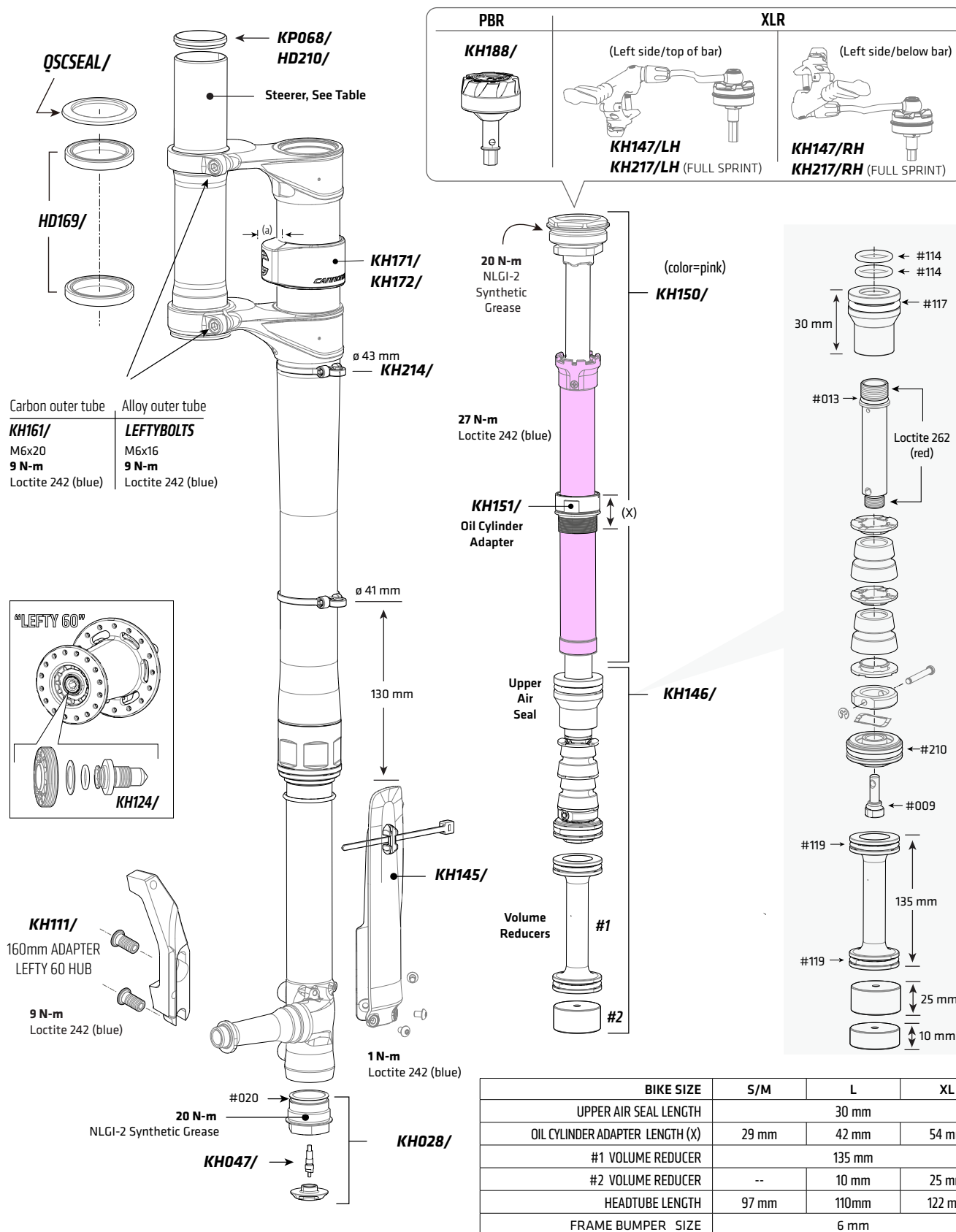


BIKE SIZE	S	M	L	XL
TRAVEL REDUCER	--	--	--	--
UPPER AIR SEAL LENGTH	50 mm			
THREADED RING POSITION	A	A	B	B
#1 VOLUME REDUCER	--	--	42 mm	
#2 VOLUME REDUCER	10 mm + 5 mm		5 mm	
HEADTUBE LENGTH	97mm	110 mm	122 mm	134 mm
FRAME BUMPER SIZE	6 mm			

CODE	TELESCOPE	COMMENT
KH214/	KIT,BAND CLAMPS, CABLE GUIDE	Contains multiple clamp types/size , use 45mm and 43mm.
KH171/	KIT,FRAME BUMPER,LEFTY 6MM	
KH137/	KIT,FORK GUARD, HYB 36 SHORT	
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"	Also requires - KH152/
KH152/	KIT,AIR PISTON PBR 140 27.5	
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
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	WHEEL HUB	COMMENT
KH124/	KIT,AXLE CAP AND BOLT - LEFTY 60	
KB61805/	INNER HUB BEARING	
KB61902/	OUTER HUB BEARING	
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 100 29"

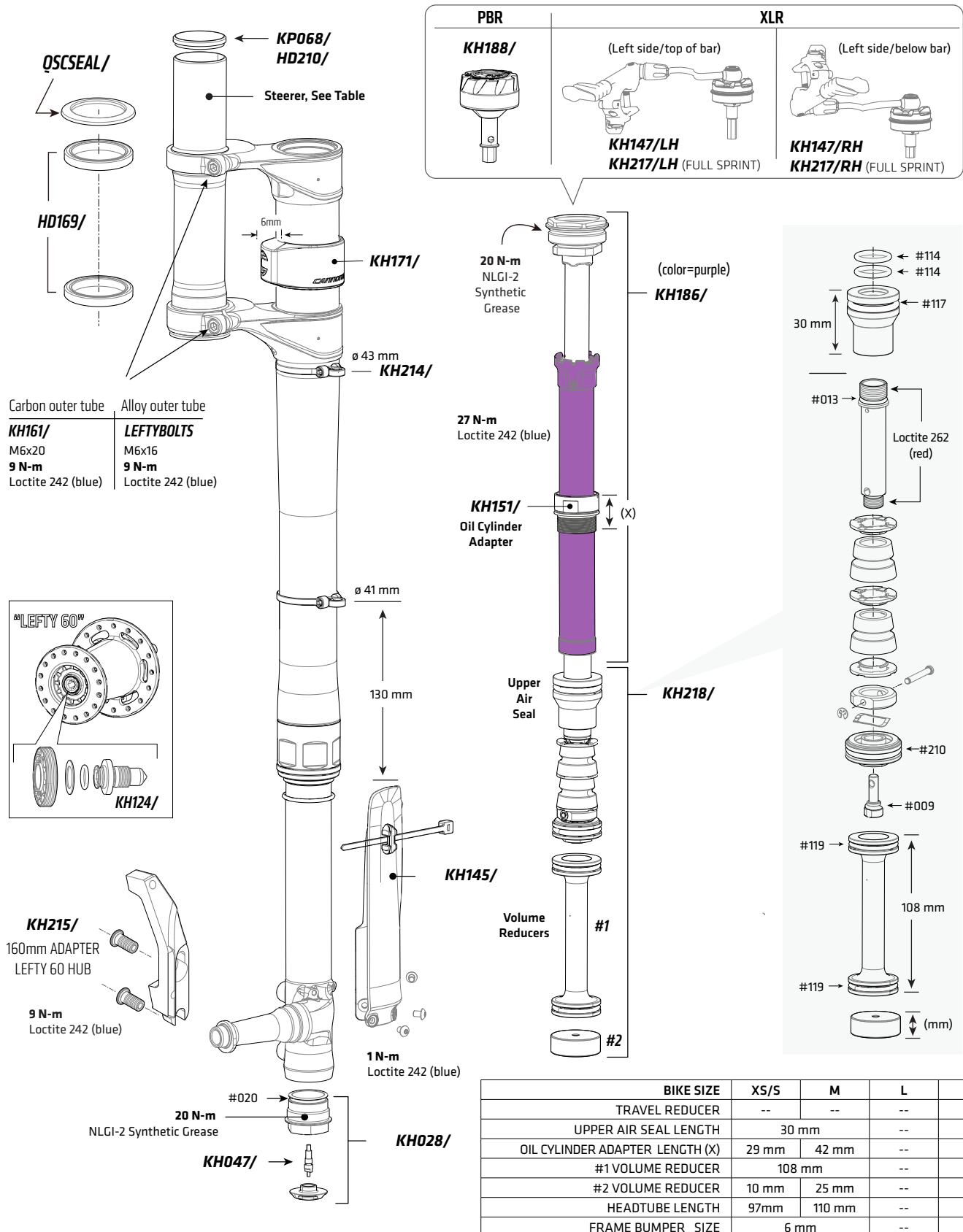
RECOMMENDED SAG	25-30 mm
TRAVEL LENGTH	100 mm
MANUAL RESET LENGTH	35 mm +/- 3
PRESSURE LIMITS	MINIMUM 50 Psi, MAXIMUM 225 Psi
OFFSET	55 mm
INTENDED USE	ASTM CONDITION 3, XC Cross-Country



CODE	TELESCOPE	COMMENT
KH214/	KIT,BAND CLAMPS, CABLE GUIDE	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
KH171/	KIT,FRAME BUMPER,LEFTY 6MM	
KH145/	KIT GUARD LEFTY HYB 32 SHORT	
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	Replacement cartridge also requires: KH146/ and KH151/ And choice of PBR or XLR control : KH149/ or KH147/LH , or KH147/RH
KH146/	KIT SOLO AIR PISTON LEFTY 2.0 100 29	
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
KH125/A	KIT,SEALS,100HR TUNE,SUPERMAX PBR/XLR	
KH076/	KIT REDUCER SOLO AIR TUNE	
CODE	STEERER/HEADSET	COMMENT
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	WHEEL HUB	COMMENT
KH124/	KIT,AXLE CAP AND BOLT - LEFTY 60	
KB61805/	INNER HUB BEARING	
KB61902/	OUTER HUB BEARING	
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 100 27.5"

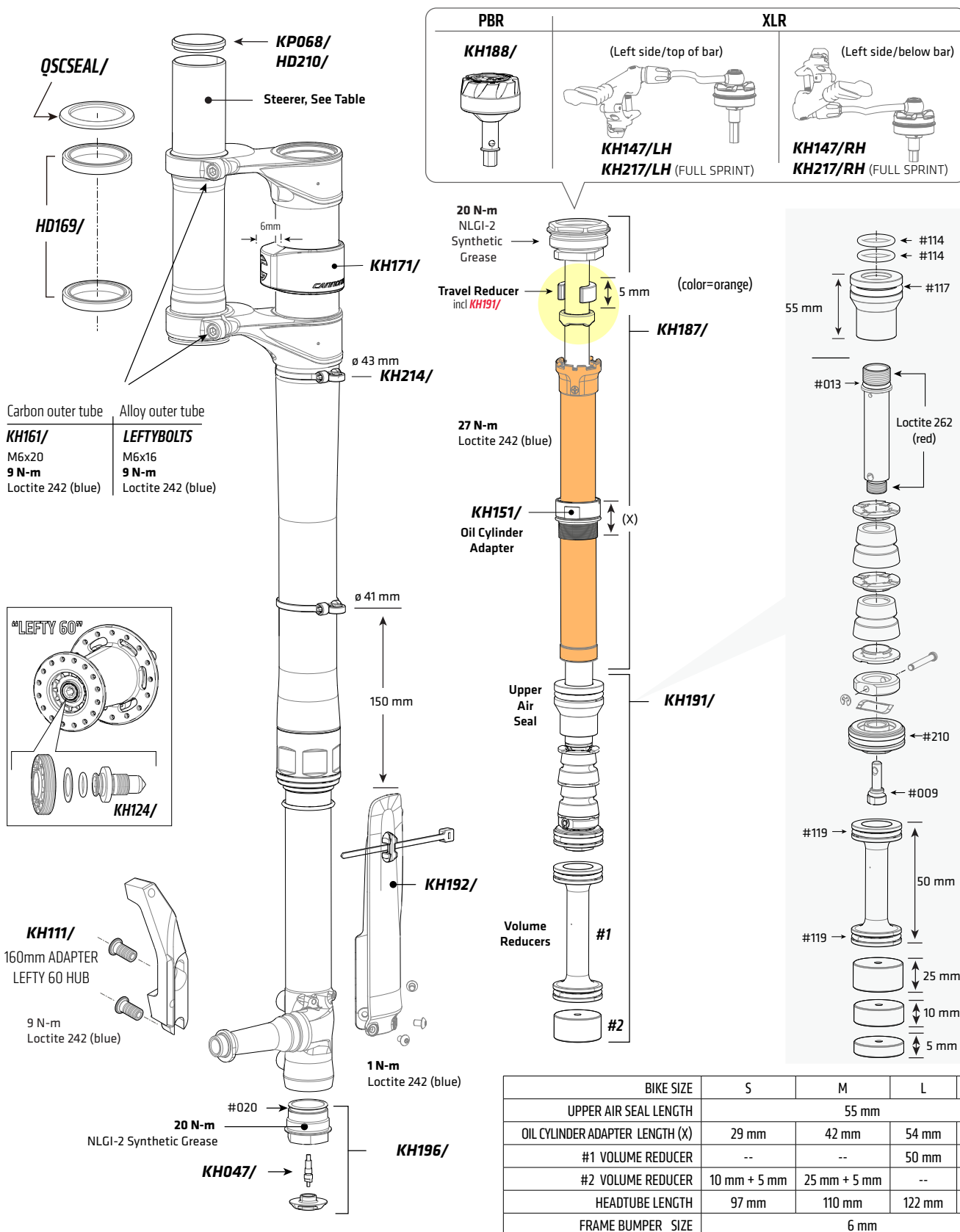
RECOMMENDED SAG	25-30 mm
TRAVEL LENGTH	100 mm
MANUAL RESET LENGTH	15 mm +/- 3
PRESSURE LIMITS	MINIMUM 50 Psi, MAXIMUM 225 Psi
OFFSET	50 mm
INTENDED USE	ASTM CONDITION 3, XC Cross-Country



CODE	TELESCOPE	COMMENT
KH214/	KIT,BAND CLAMPS, CABLE GUIDE	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
KH171/	KIT,FRAME BUMPER,LEFTY 6MM	
KH145/	KIT GUARD LEFTY HYB 32 SHORT	
KH161/	KIT,CLAMP BOLTS 20mm	For carbon outer tube
LEFTYBOLTS/	KIT,BOLTS,LEFTY CALIPER/CLAMP	For alloy outer tube
KH215/	KIT,ADAPTER,	
CODE	DAMPER	COMMENT
KH186/	KIT DAMPER, LEFTY 2.0, 100 27	Replacement cartridge also requires: KH146/ and KH151/ And choice of PBR or XLR control : KH149/ or KH147/LH , or KH147/RH
KH218/	KIT SOLO AIR PISTON LEFTY 2.0 100 27	
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
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	WHEEL HUB	COMMENT
KH124/	KIT,AXLE CAP AND BOLT - LEFTY 60	
KB61805/	INNER HUB BEARING	
KB61902/	OUTER HUB BEARING	
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 29" AND 27.5+"

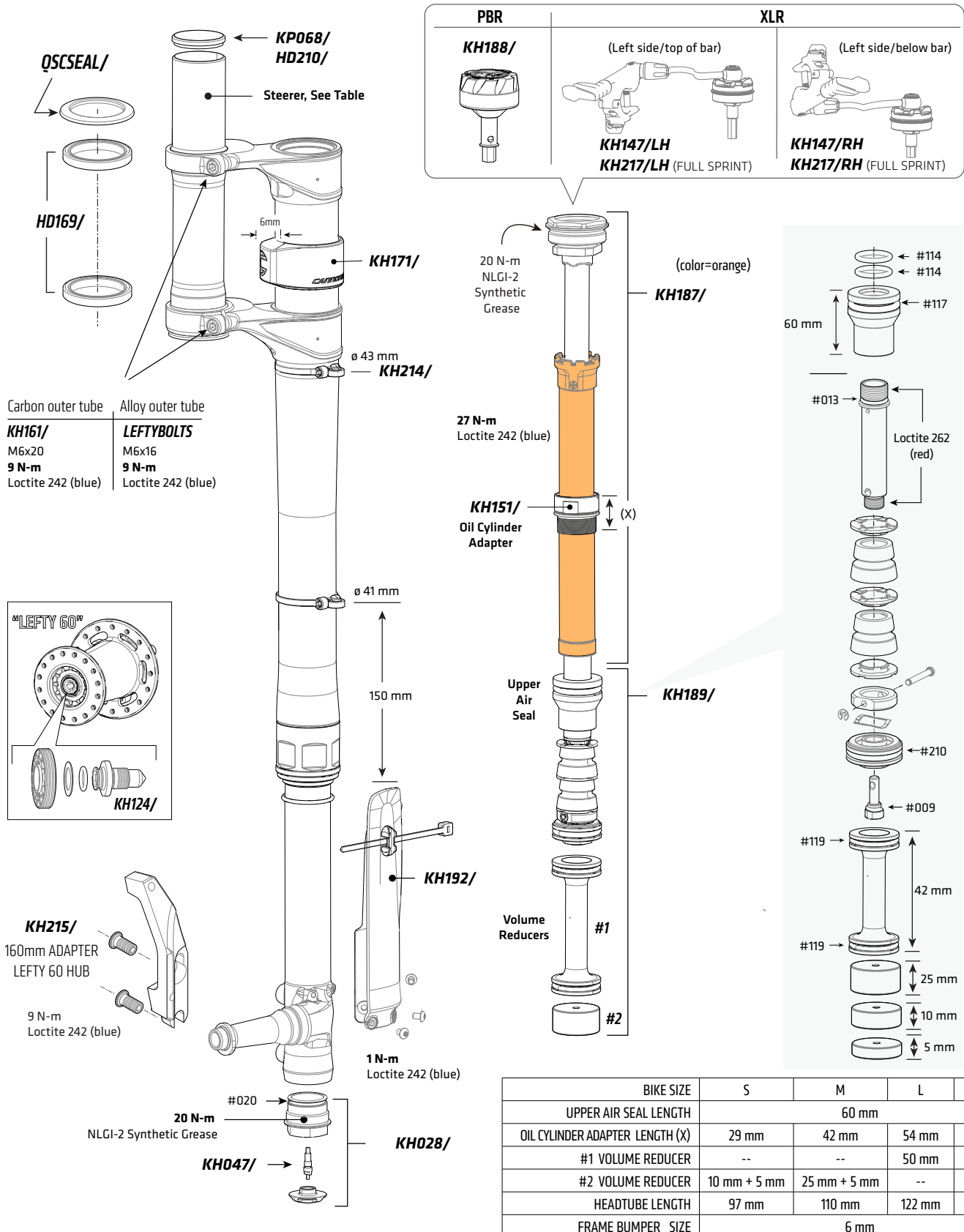
RECOMMENDED SAG	25-30 mm
TRAVEL LENGTH	120 mm
MANUAL RESET LENGTH	35 mm +/- 3
PRESSURE LIMITS	MINIMUM 50 Psi, MAXIMUM 225 Psi
OFFSET	55 mm
INTENDED USE	ASTM CONDITION 3, XC Cross-Country



CODE	TELESCOPE	COMMENT
KH214/	KIT,BAND CLAMPS, CABLE GUIDE	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
KH171/	KIT,FRAME BUMPER,LEFTY 6MM	
KH192/	KIT GUARD LEFTY HYB 32 LONG	
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	Replacement cartridge also requires: KH146/ and KH151/ And choice of PBR or XLR control : KH149/ or KH147/LH , or KH147/RH
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
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	WHEEL HUB	COMMENT
KH124/	KIT,AXLE CAP AND BOLT - LEFTY 60	
KB61805/	INNER HUB BEARING	
KB61902/	OUTER HUB BEARING	
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"

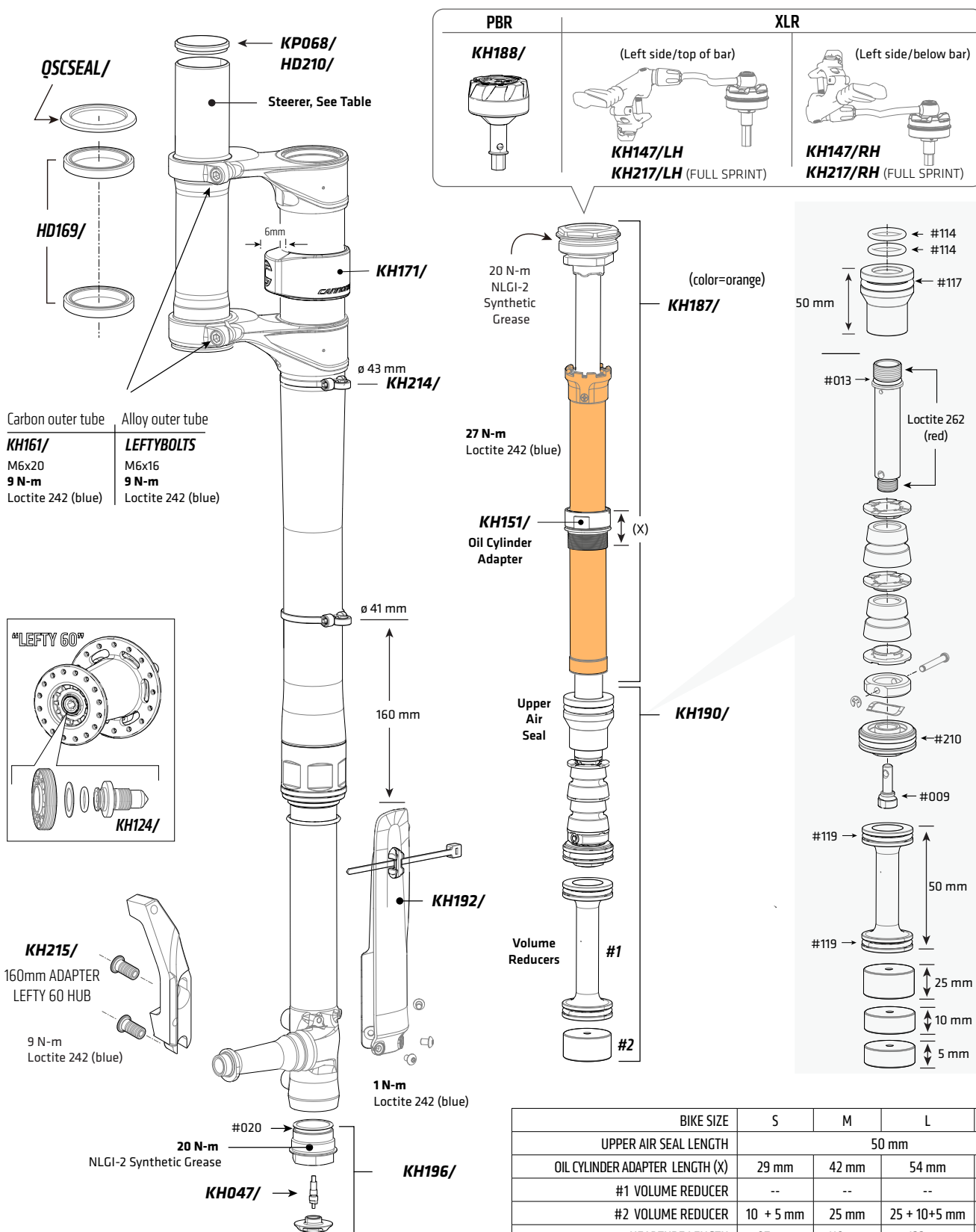
RECOMMENDED SAG	25-30 mm
TRAVEL LENGTH	120 mm
MANUAL RESET LENGTH	25 mm +/- 3
PRESSURE LIMITS	MINIMUM 50 Psi, MAXIMUM 225 Psi
OFFSET	50 mm
INTENDED USE	ASTM CONDITION 3, XC Cross-Country



CODE	TELESCOPE	COMMENT
KH214/	KIT,BAND CLAMPS, CABLE GUIDE	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
KH171/	KIT,FRAME BUMPER,LEFTY 6MM	
KH192/	KIT GUARD LEFTY HYB 32 LONG	
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	Replacement cartridge also requires: KH146/ and KH151/ And choice of PBR or XLR control : KH149/ or KH147/LH , or KH147/RH
KH189/	KIT SOLO AIR PISTON 120, 27	
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
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	WHEEL HUB	COMMENT
KH124/	KIT,AXLE CAP AND BOLT - LEFTY 60	
KB61805/	INNER HUB BEARING	
KB61902/	OUTER HUB BEARING	
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"

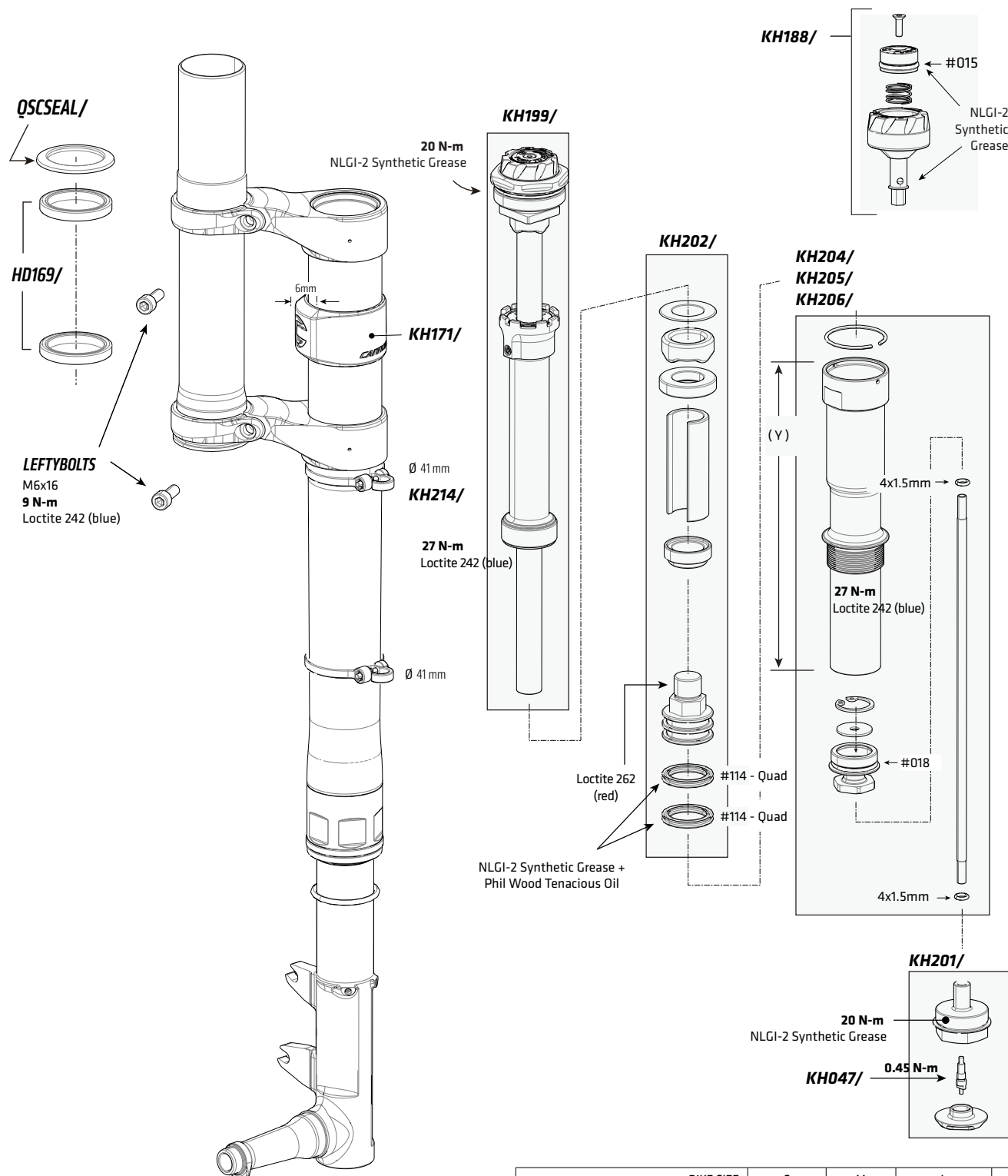
RECOMMENDED SAG	25-30 mm
TRAVEL LENGTH	130 mm
MANUAL RESET LENGTH	25 mm +/- 3
PRESSURE LIMITS	MINIMUM 50 Psi, MAXIMUM 225 Psi
OFFSET	50 mm
INTENDED USE	ASTM CONDITION 3, XC Cross-Country



CODE	TELESCOPE	COMMENT
KH214/	KIT,BAND CLAMPS, CABLE GUIDE	Contains multiple clamp types/size , select appropriate. Use 43mm & 41mm.
KH171/	KIT,FRAME BUMPER,LEFTY 6MM	
KH192/	KIT GUARD LEFTY HYB 32 LONG	
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	Replacement cartridge also requires: KH146/ and KH151/ And choice of PBR or XLR control : KH149/ or KH147/LH , or KH147/RH
KH190/	KIT SOLO AIR PISTON 130,27	
KH151/	KIT ADAPT OIL CYLINDER 32 /097/110/122/134	Kit includes multiple adapters, measure headtube 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
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	WHEEL HUB	COMMENT
KH124/	KIT,AXLE CAP AND BOLT - LEFTY 60	
KB61805/	INNER HUB BEARING	
KB61902/	OUTER HUB BEARING	
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 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 SIZE	S	M	L	XL
AIR CYLINDER ADAPTER LENGTH (Y)	70.5 mm	95 mm	121 mm	
HEADTUBE LENGTH	110 mm	134 mm	160 mm	
FRAME BUMPER SIZE	6 mm			

CODE	TELESCOPE	COMMENT
KH214/	KIT, BAND CLAMPS, CABLE GUIDE	Contains multiple clamp types/size , select appropriate. Use 41mm.
KH171/	KIT, FRAME BUMPER, LEFTY 6MM	
LEFTYBOLTS/	KIT, BOLTS, LEFTY CALIPER/CLAMP	

CODE	DAMPER	COMMENT
KH199/	KIT,DAMPER, OLIVER	
KH202/	KIT, AIR PISTON, OLIVER	
KH204/	KIT, AIR CYLINDER, OLIVER, 110	For 110 mm Headtube
KH205/	KIT, AIR CYLINDER, OLIVER, 134	For 134 mm Headtube
KH206/	KIT, AIR CYLINDER, OLIVER, 160	For 160 mm Headtube
KH203/	KIT, SEALS, 100HR TUNE, OLIVER	
KH201/	KIT, SCHRADER PLUG, OLIVER	

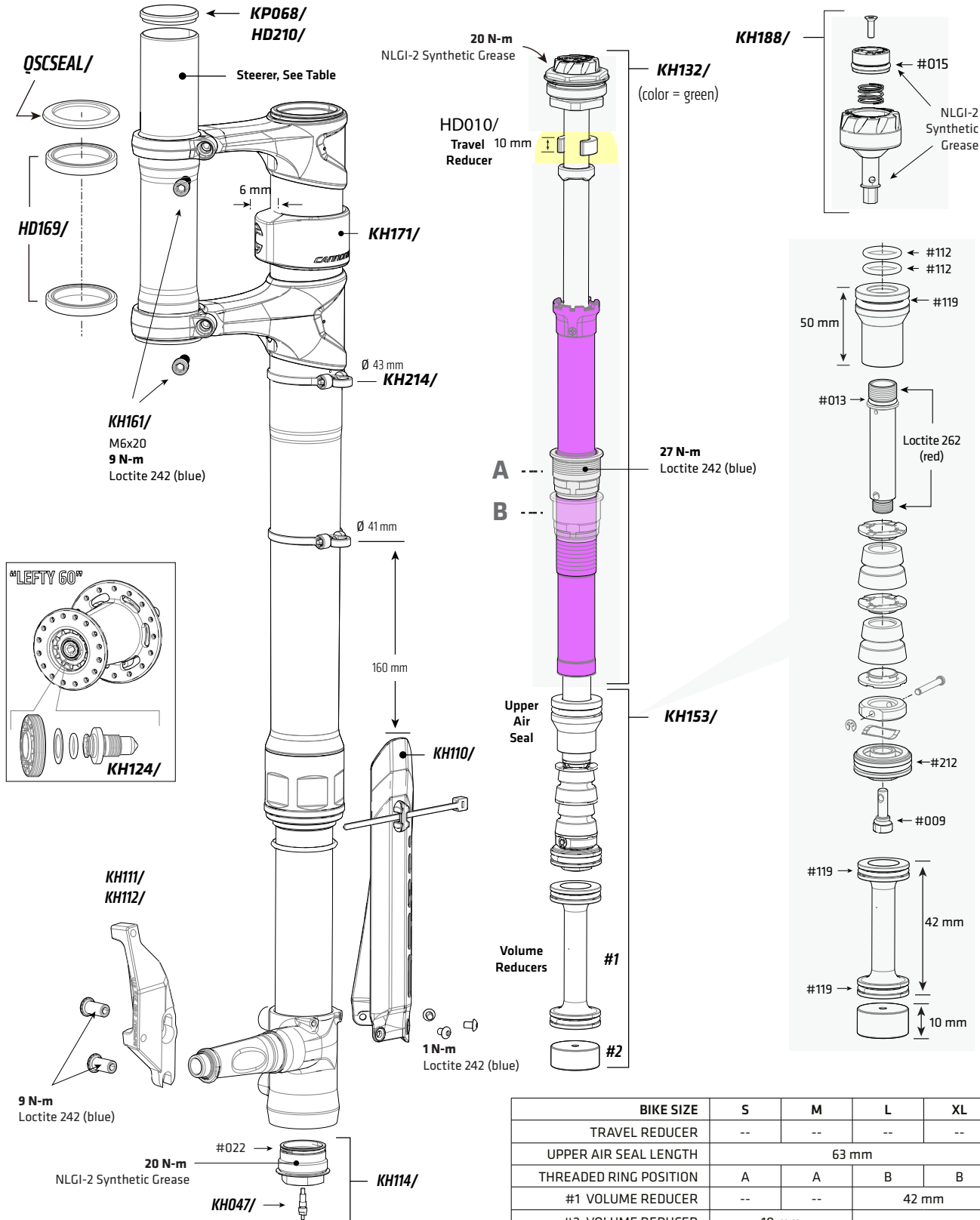
CODE	STEERER/HEADSET	COMMENT
KH193/110	KIT, STEERER, L10, 110	For 110 mm Headtube
KH193/134	KIT, STEERER, L10, 134	For 134 mm Headtube
KH193/160	KIT, STEERER, L10, 160	For 160 mm Headtube
QSI SEAL/	KIT, SEAL, UPPER BEARING 58MM OD	
HD169/	KIT,BEARINGS, HEADSET - 2	includes 2 bearings

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

CODE	SERVICE TOOLS	COMMENT
KT020/	KIT, TOOL,LEFTY INSTALL	Install/remove steerer, not pictured
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, not pictured
QCTL108/	KIT, TOOL, TRUING AXLE	

SUPERMAX-PBR 130 29

RECOMMENDED SAG	37-42 mm
TRAVEL LENGTH	130 mm
MANUAL RESET LENGTH	35 mm +/- 3
PRESSURE LIMITS	MINIMUM 50 Psi, MAXIMUM 225 Psi
OFFSET	60 mm
INTENDED USE	ASTM CONDITION 4, All Mountain

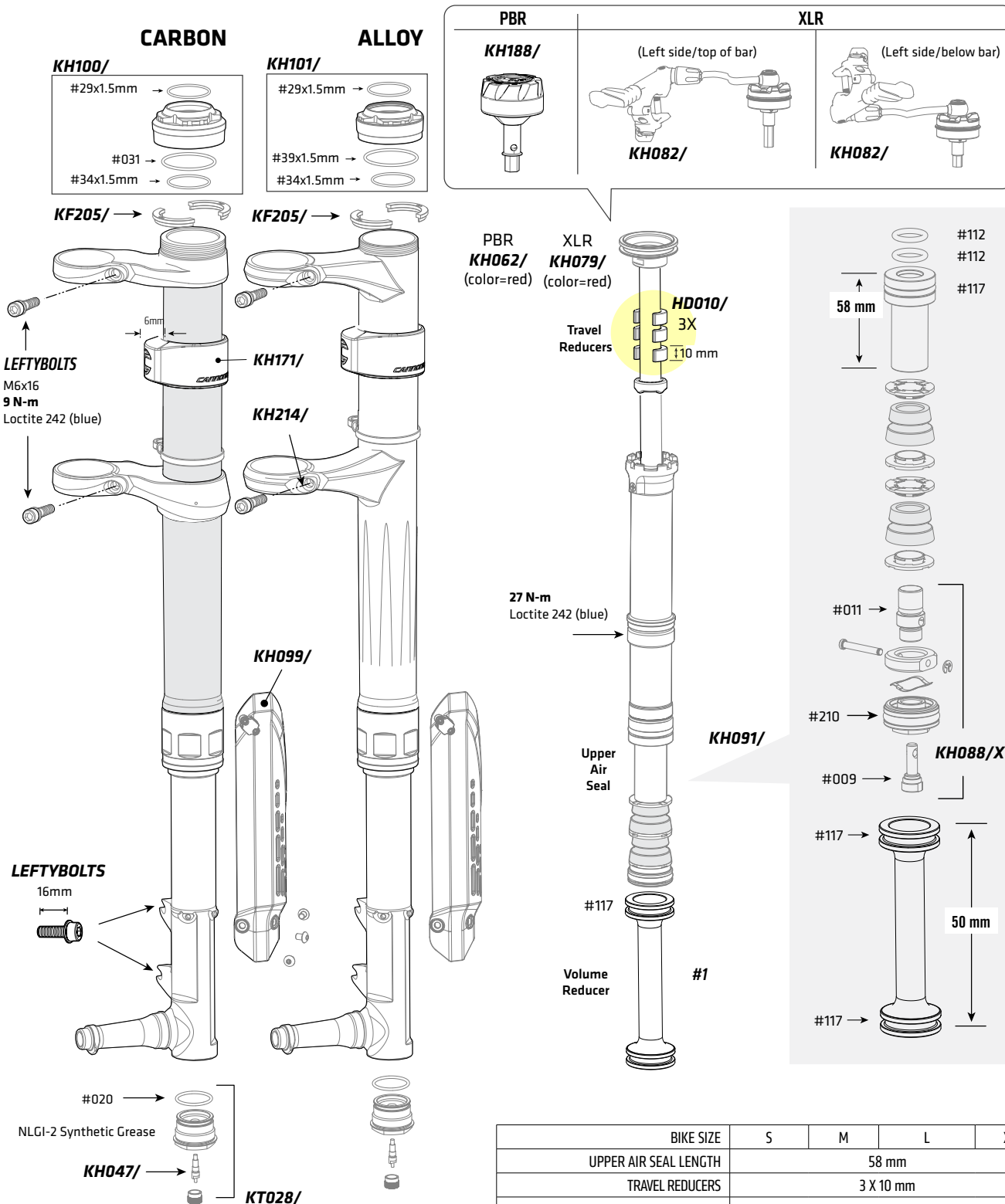


BIKE SIZE	S	M	L	XL
TRAVEL REDUCER	--	--	--	--
UPPER AIR SEAL LENGTH	63 mm			
THREADED RING POSITION	A	A	B	B
#1 VOLUME REDUCER	--	--	42 mm	
#2 VOLUME REDUCER	10 mm		--	
HEADTUBE LENGTH	97mm	110 mm	122 mm	134 mm
FRAME BUMPER SIZE	6 mm			

CODE	TELESCOPE	COMMENT
KH214/	KIT,BAND CLAMPS, CABLE GUIDE	Contains multiple clamp types/size , select appropriate. Use 41mm w/guide
KH171/	KIT, FRAME BUMPER, LEFTY 6MM	
KH110/	KIT,FORK GUARD, LEFTY HYB 36	
LEFTYBOLTS	KIT,BOLTS,LEFTY CALIPER/CLAMP	
KH111/	KIT,ADAPTER,HYB 36,29 SMAX HUB 180	
KH112/	KIT,ADAPTER,HYB 36,29 LEFTY HUB 180	
CODE	DAMPER	COMMENT
KH132/	KIT,DAMPER,PBR 160 27.5"	Need also - KH153/ PBR control included/assembled Cartridge body is green in color.
KH114/	KIT,SCHRADER PLUG,SUPERMAX	
KH047/	KIT,VALVE CORES /10	
KH115/	KIT,AIR PISTON,PBR 130 29"	
KH116/X	KIT,AIR PISTON,SOLO AIR 36(PISTON ONLY)	
KH126/	KIT,SEALS,100HR TUNE,SUPERMAX PBR	not pictured
KH117/	KIT,REDUCER,SOLO AIR TUNE 36	not pictured
CODE	STEERER/HEADSET	COMMENT
KH197/097	KIT,STEERER,L20 THICK FLANGE,097	97 mm Headtube Length
KH197/110	KIT,STEERER,L20 THICK FLANGE,110	109 mm Headtube Length
KH197/122	KIT,STEERER,L20 THICK FLANGE,122	122 mm Headtube Length
KH197/134	KIT,STEERER,L20 THICK FLANGE,134	134mm Headtube Length
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	includes 2 bearings
CODE	WHEEL HUB	COMMENT
KH119/32	KIT,HUB,SUPERMAX 32H6-BOLT/BLK	not pictured, see Wheel Hub Kits
KH119/28	KIT,HUB,SUPERMAX 28H6-BOLT/BLK	not pictured, see Wheel Hub Kits
KH124/	KIT,AXLE CAP AND BOLT - LEFTY 60	not pictured, see Wheel Hub Kits
CODE	SERVICE TOOLS	COMMENT
KT020/	KIT, TOOL,LEFTY INSTALL	Install/remove steerer, not pictured
KH127/	KIT, TOOL OUTER CAP 36MM	Install/remove outer cap
KH123/	KIT, TOOL CASTLE SLIDER SUPERMAX	Install/remove damping cartridge
HDTL187/	KIT,TOOL,SHAFT CLAMP;1/2",BLK	Install/remove air piston assy.
HDTL168/	KIT,TOOL,BULLET;1/2"	Install upper air seal assy.
KH057/	KIT, TOOL,LEFTY THREAD REPAIR	Repair spindle threads, not pictured

2014-15 LEFTY-XLR/PBR 100 29

RECOMMENDED SAG	25-20 mm
TRAVEL LENGTH	100 mm
MANUAL RESET LENGTH	20 mm +/- 3
PRESSURE LIMITS	MINIMUM 50 Psi, MAXIMUM 225 Psi
OFFSET	45 mm
INTENDED USE	ASTM CONDITION 2, General Purpose



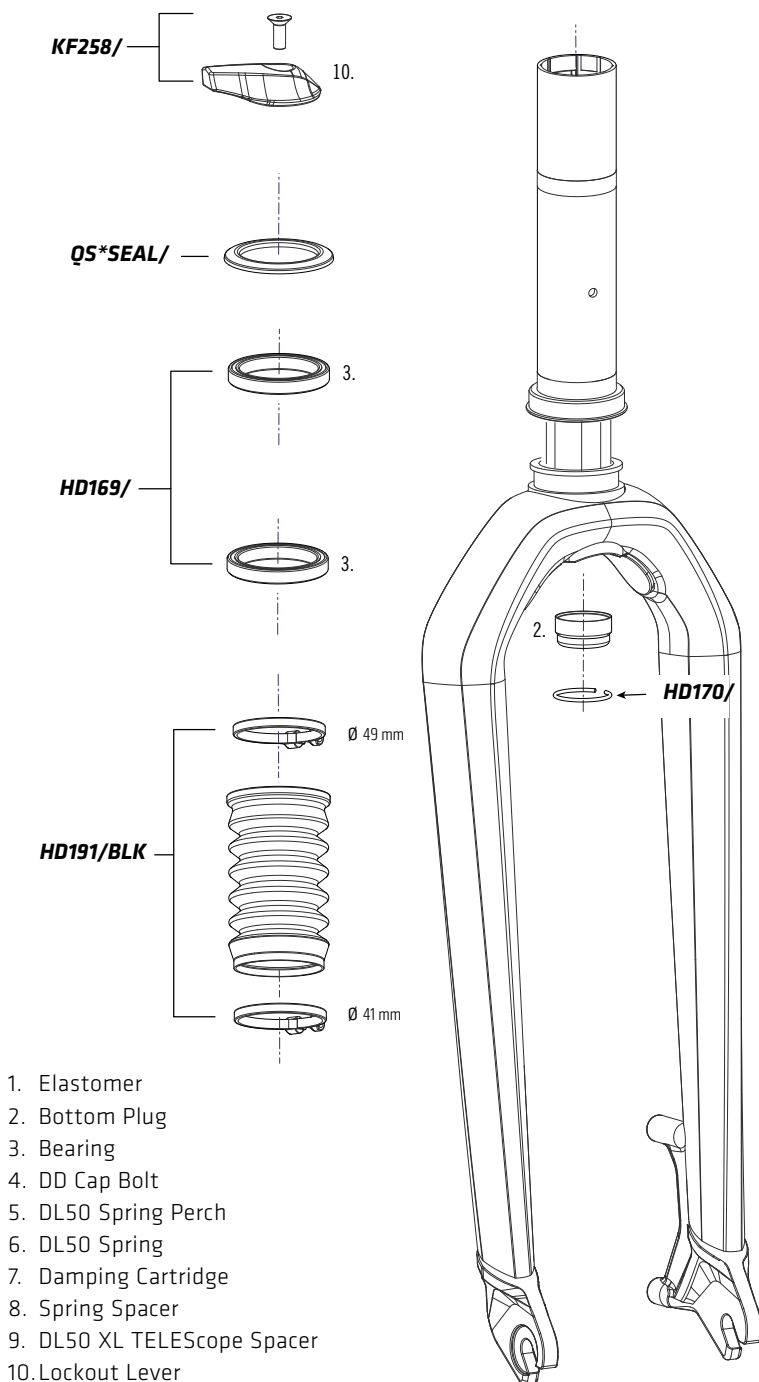
BIKE SIZE	S	M	L	XL
UPPER AIR SEAL LENGTH	58 mm			
TRAVEL REDUCERS	3 X 10 mm			
#1 VOLUME REDUCER	50 mm			
#2 VOLUME REDUCER	--	--	--	--
HEADTUBE LENGTH	134 mm			
FRAME BUMPER SIZE	6 mm			

CODE	TELESCOPE	COMMENT
KH214/	KIT,BAND CLAMPS, CABLE GUIDE	Contains multiple clamp types/size , select appropriate.
KH171/	KIT, FRAME BUMPER, LEFTY 6MM	
KH099/	KIT, FORK GUARD, LEFTY HYB 32	
LEFTYBOLTS	KIT,BOLTS,LEFTY CALIPER/CLAMP	
CODE	DAMPER	COMMENT
KH079/	KIT, DAMPER, XLR140/120/29'ER	Need also - KH091/ PBR control included/assembled Cartridge body is red in color.
KH062/	KIT, DAMPER, PBR140/120/29'ER	
KH100/	KIT, COLLAR, UPPER, XLR/PBR, CRB, BLK	
KH101/	KIT, COLLAR, UPPER, XLR/PBR, OPI, BLK	
KF205/	KIT, SPLIT RING /2 LEFTY	
KH082/	KIT, LEVER, XLR	
KT028/	KIT, SCHRADER PLUG, LEFTY	
KH047/	KIT, VALVE CORES /10	
KH091/	KIT, AIR PISTON, PBR/XLR100 29'ER	
KH088/X	KIT, AIR PISTON, SOLO AIR (PISTON ONLY)	
HD010/	KIT, CLIPS, TRAVEL REDUCERS (QTY 3)	
KH125/	KIT,SEALS,100HR TUNE,LEFTY PBR/XLR	
KH076/	KIT, REDUCER, SOLO AIR TUNE	
CODE	STEERER/HEADSET	COMMENT
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	incl 2 bearings
CODE	WHEEL HUB	COMMENT
KH105/24H	KIT,HUB, LEFTY 24H6-BOLT/BLK	not pictured, see Wheel Hub Kits
KH105/28H	KIT,HUB, LEFTY 28H6-BOLT/BLK	
KH105/32H	KIT,HUB, LEFTY 32H6-BOLT/BLK	
QC117/	KIT,AXLE CAP AND BOLT - LEFTY 50	
CODE	SERVICE TOOLS	COMMENT
KT020/	KIT, TOOL,LEFTY INSTALL	Install/remove steerer, not pictured
KH103/	KIT,TOOL,CASTLE TOOL-SUPER HYBRID WHITE	Install/remove damping cartridge
HDTL187/	KIT, TOOL,SHAFT CLAMP,1/2",BLK	Install/remove air piston assy.
KH090/	KIT,TOOL,XLR BLEED TOOL	not pictured
HDTL168/	KIT, TOOL,BULLET,1/2"	Install upper air seal assy.
KH057/	KIT, TOOL,LEFTY THREAD REPAIR	Repair spindle threads

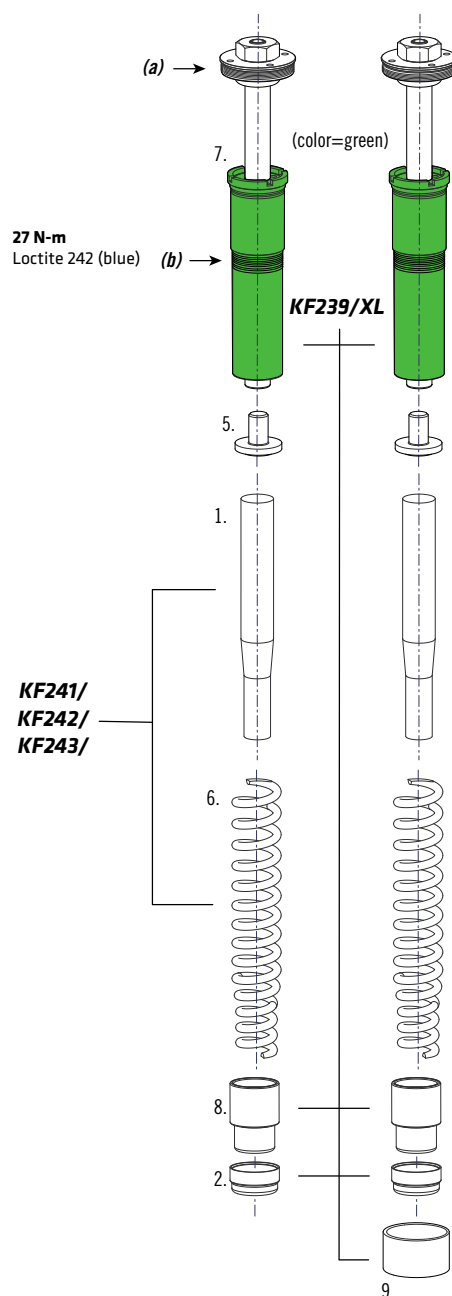
FATTY-DL 50

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



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



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) to installation.

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	

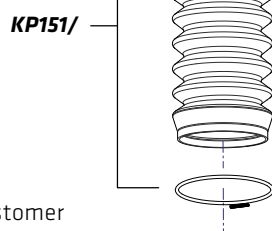
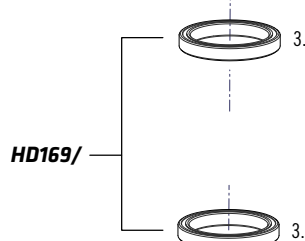
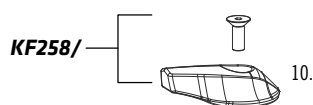
CODE	DAMPER PARTS	COMMENT
KF239/XL	KIT,DAMPER,DL50XL	
KF241/	KIT,SPRING,DL50,SOFT	
KF242/	KIT,SPRING,DL50,STD	
KF243/	KIT,SPRING,DL50,FIRM	
KF258/	KIT,LEVER,LO,DL80/50	
KF236/	KIT,SEALS,DL50,DL80,DLR80	

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	

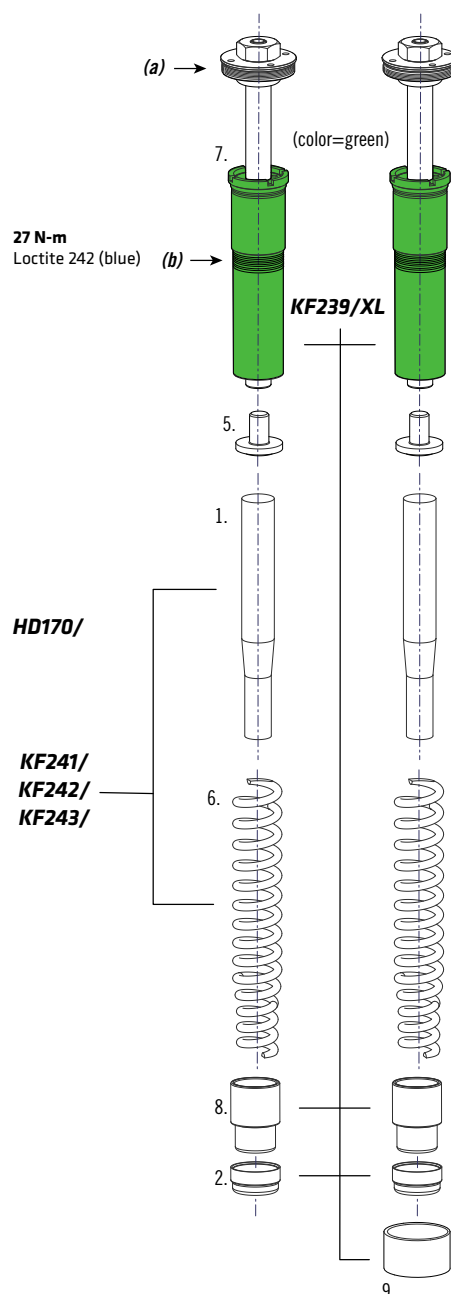
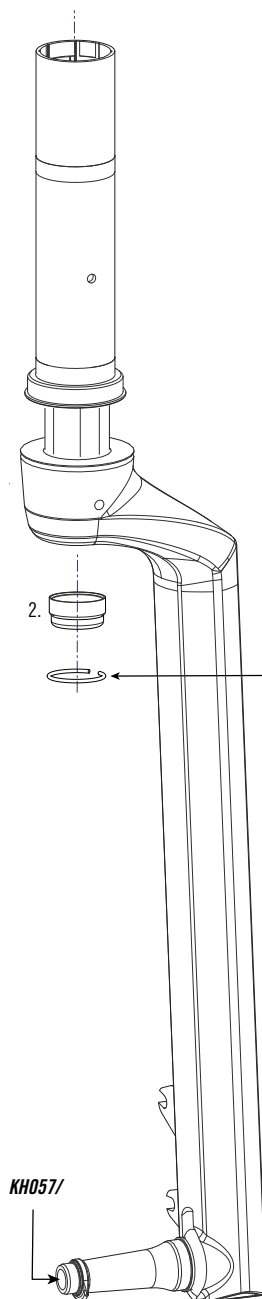
SOLO-DL 50

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



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



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) to installation.

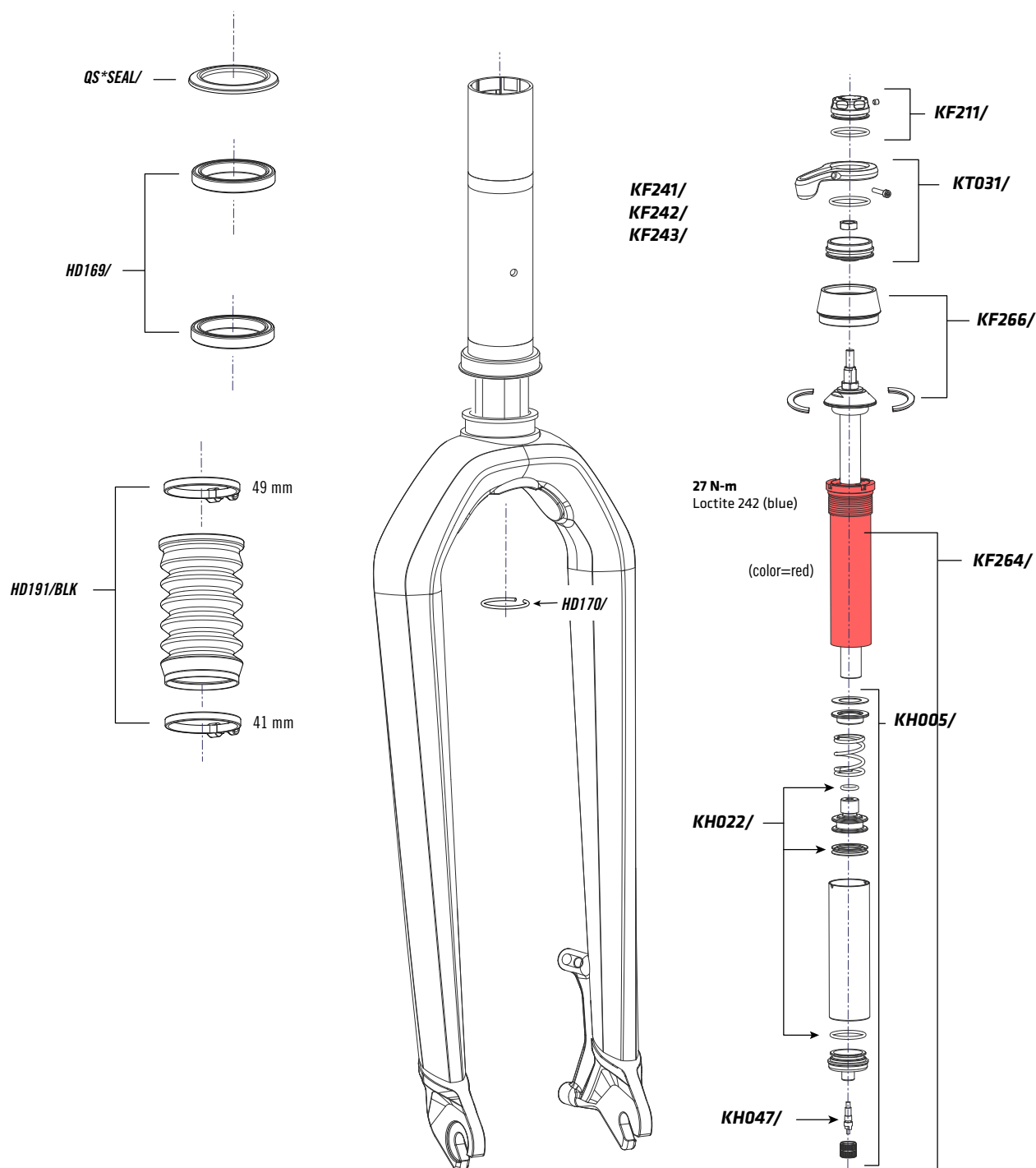
CODE	TELESCOPE PARTS	COMMENT
KF119/	KIT,RACE CLIP,METRIC	
KP151/	KIT,BOOT,SOLO	
QSMSEAL/	KIT,SEAL,UPPER BEARING,50MM OD	
QSISEAL/	KIT,SEAL,UPPER BEARING,58MM OD	
QSCSEAL/	KIT,SEAL,UPPER BEARING,60MM OD	
HD169/	KIT,BEARINGS, HEADSET - 2	

CODE	DAMPER PARTS	COMMENT
KF239/	KIT,DAMPER,DL50	
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	

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



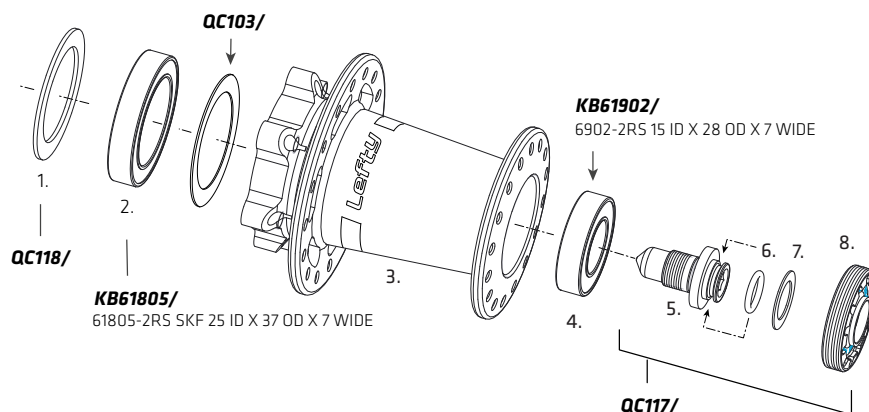
CODE	TELESCOPE PARTS	COMMENT
KF119/	KIT, RACE CLIP, METRIC	
HD191/BLK	KIT, BOOT, HEADSHOK	
QSMSEAL/	KIT, SEAL, UPPER BEARING, 50MM OD	
QSISEAL/	KIT, SEAL, UPPER BEARING, 58MM OD	
QSCSEAL/	KIT, SEAL, UPPER BEARING, 60MM OD	
HD169/	KIT, BEARINGS, HEADSET - 2	

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	

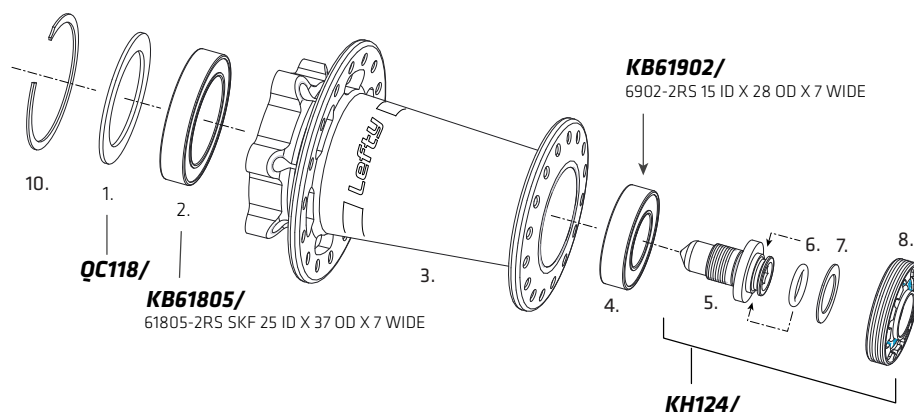
CODE	SERVICE TOOLS	COMMENT
KH031/	KIT,TOOL,CASTLE TOOL-SUPER BLACK	
HDTL187/	KIT,TOOL,SHAFT CLAMP,1/2",BLK	
KT016/	KIT,TOOL,BEARING RESET,ENGLISH & METRIC	
HDTL149/	KIT,TOOL,HEADSHOK INSTALL	

LEFTY WHEEL HUB & BRAKE ADAPTERS

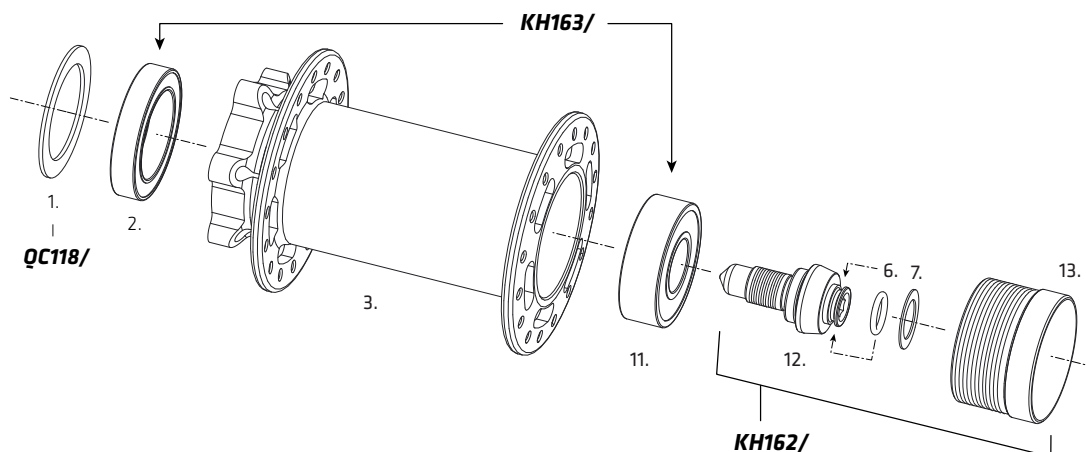
LEFTY 50



LEFTY 60



LEFTY 73



1. Hub Bearing Seal
2. Inner Hub Bearing
3. Hub Shell
4. Outer Hub Bearing
5. Axle Bolt Assy.
6. Lefty Hub Wheel Building Tool
Truing Axle
7. Axle Bolt
8. Hub Cap (Left-hand thread!)
9. Shimano Tool TL-FW30
10. Ring Clip (*SUPERMAX Hub Only)

Diagram illustrating the dimensions for wheel building (mm) for a Lefty hub. The dimensions are labeled A, B, C, and D. A is the total width, B is the width of the disc flange, C is the distance from the centerline to the disc flange, and D is the distance from the centerline to the non-disc flange. The centerline of the wheel is indicated. The spoke hole diameter is 2.5mm.

DIMENSIONS FOR WHEEL BUILDING (mm)		LEFTY 50	LEFTY 60	LEFTY 73
A	Disc Flange Diameter	58mm	58.0mm	58mm
B	Non Disc Flange Diameter	45mm	45.0mm	58mm
C	Disc Flange To Center	18.8mm	25.8mm	36.5mm
D	Non Disc Flange To Center	31.6mm	34.6mm	36.5mm

Brake Adapter Usage

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.

MODEL	SPINDLE OFFSET	WHEEL HUB			* MINIMUM BRAKE ROTOR DIA.
		"LEFTY 50" (a.k.a. "LEFTY SL")	"LEFTY 60" (a.k.a. "LEFTY SM")	"LEFTY 73"	
LEFTY 2.0	50 mm	--	KH215/	--	160 mm
	55 mm	KH112/	KH111/	--	
SUPERMAX	50 mm	KH131/	KH130/	--	180 mm
	55 mm	KH112/	KH111/	--	
OLAF	60 mm	--	--	KH112/	

* Minimum Brake Rotor Diameter is the smallest size 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.

MANUAL RESET

NOTICE

Do not disassemble or open for the following procedure.

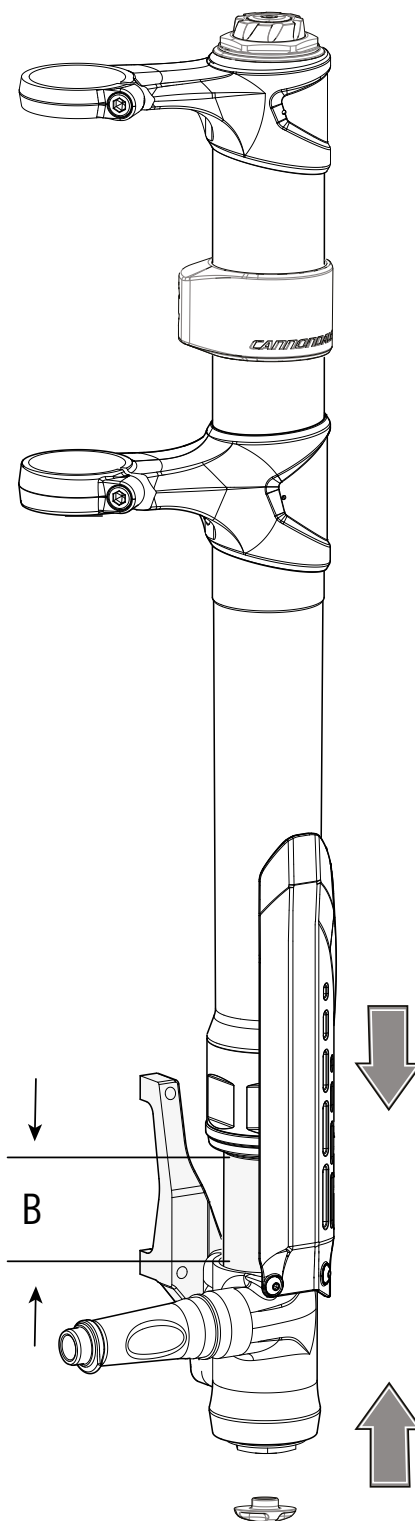
1. With your bike on the floor.
2. Cover the brake rotor with a clean shop towel. Remove the Schrader valve cap and hold the valve to release all air pressure. It is normal for a small amount of oil to be expelled with the escaping air.

WARNING

Contamination can result in reduced or lost braking performance.

3. Hold the valve open while fully compressing the LEFTY with the the handlebar until it bottoms out. With the air out, using moderate force, bottom out the LEFTY firmly several times.
4. Now, measure length of exposed inner tube as shown (B). Repeat step three until the correct measurement for your LEFTY is reached.
5. When you are finished, reset sag.

LEFTY	TRAVEL/WHEEL mm/in	(B) 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	3mm



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

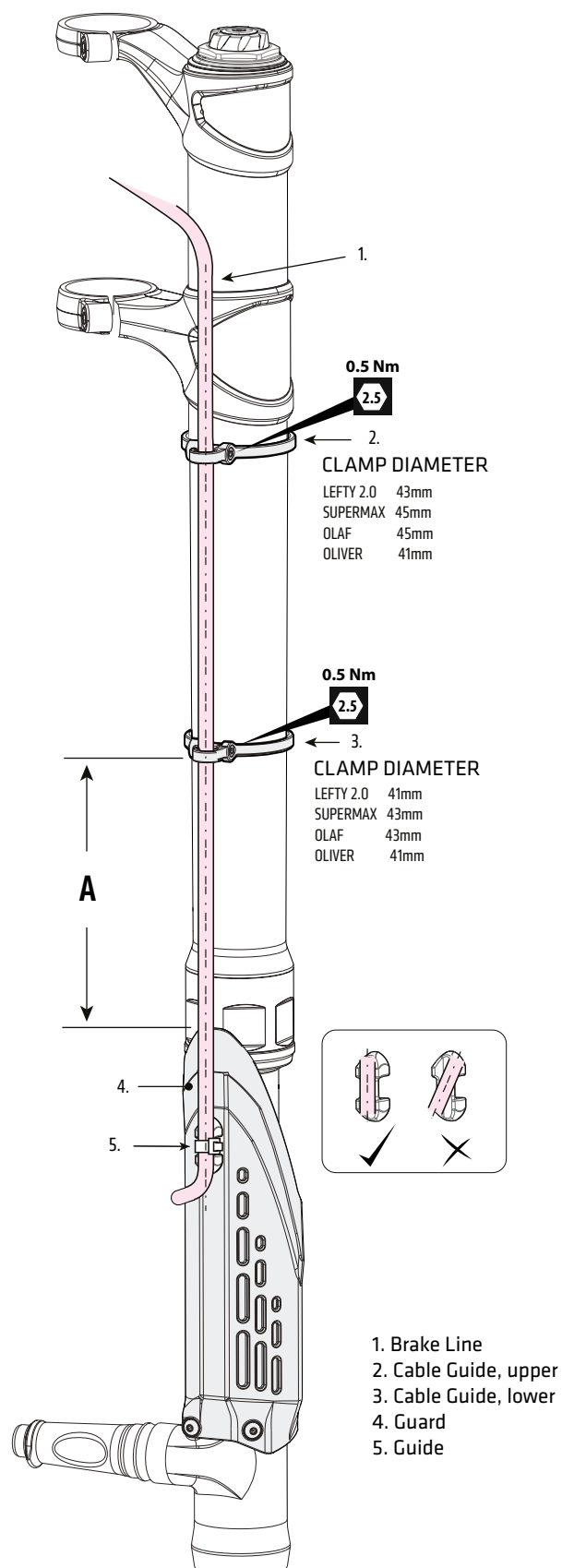
Tighten with a zip tie tool. Insufficient zip tie tension (fingers only) can permit line movement in the guide.

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).

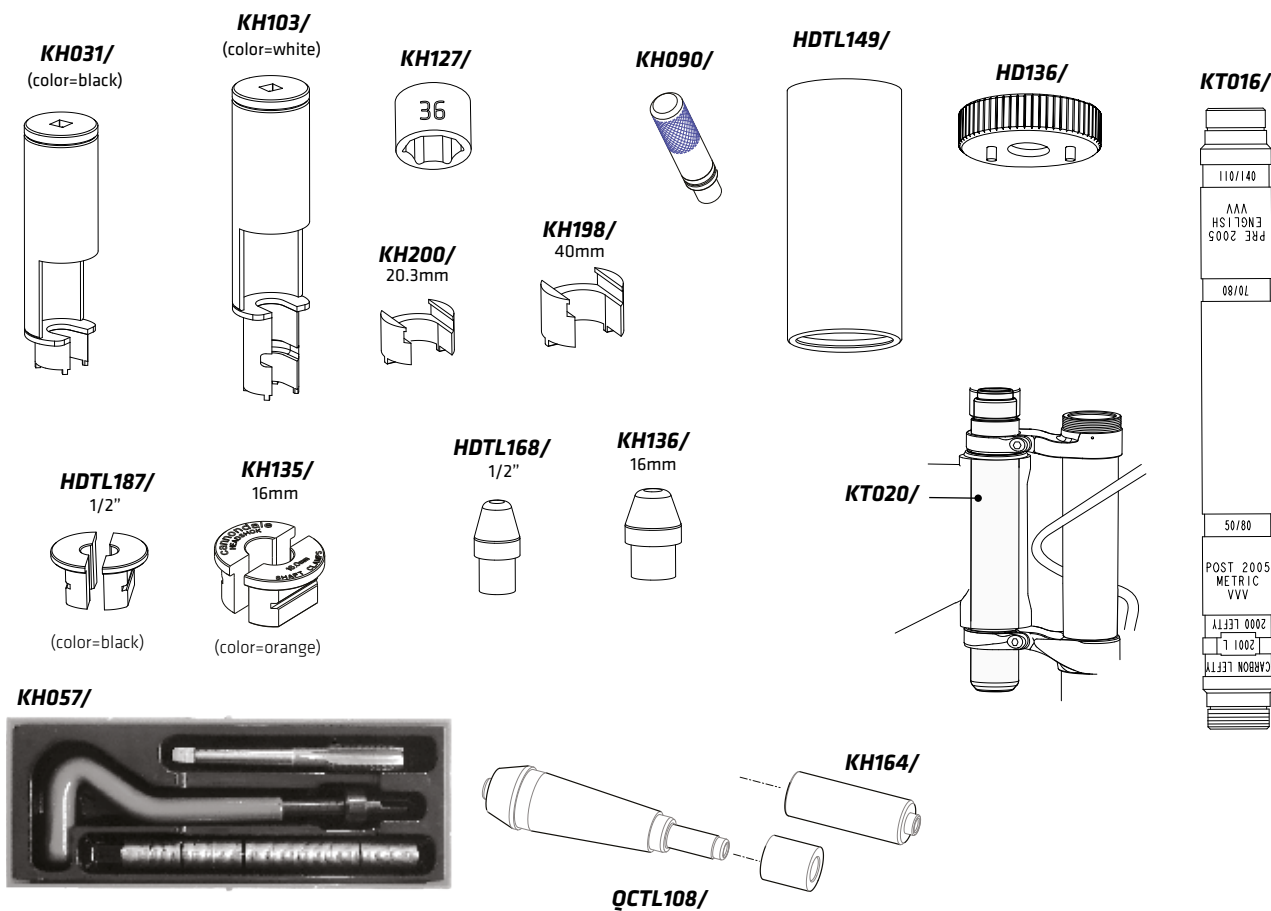
Lower Cable Guide Height - (A)

To prevent the guard from contact with the brake line clamp during movement, position the lower clamp 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	150
	130 / 27.5	160
SUPERMAX	130 / 27.5	160
	140 / 27.5	170
	160 / 27.5	190
OLAF	100 / 26	130
OLIVER	30/650	N/A



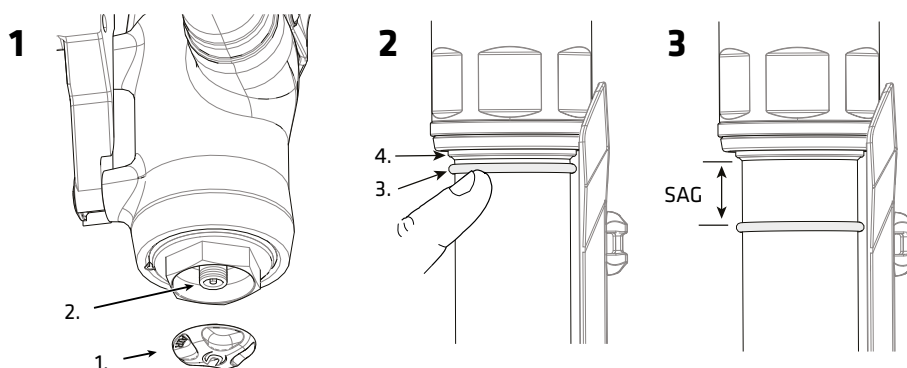
COMMON SHOP SERVICE TOOLS



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

2016 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



To set sag

1. Remove the Schrader valve cap (1) at the bottom of the Lefty . Attach a bicycle suspension pump to the Schrader valve (2). See Figure 1.
2. Set the recommended initial starting air pressure according to your weight.
3. Slide the sag O-ring (3) against the wiper seal (4). See Figure 2.
3. Sit on bike in riding position and dismount.
Note: Your riding position affects weight distribution and therefore sag. For example, in the "Attack" position the rider's weight is distributed equally front and rear.
4. Measure the sag distance. See Figure 3.

Sag Trouble Shooting

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

NOTICE

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

LEFTY 2.0 OIL CYLINDER ADAPTER INSTRUCTIONS

Removal/Installation

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

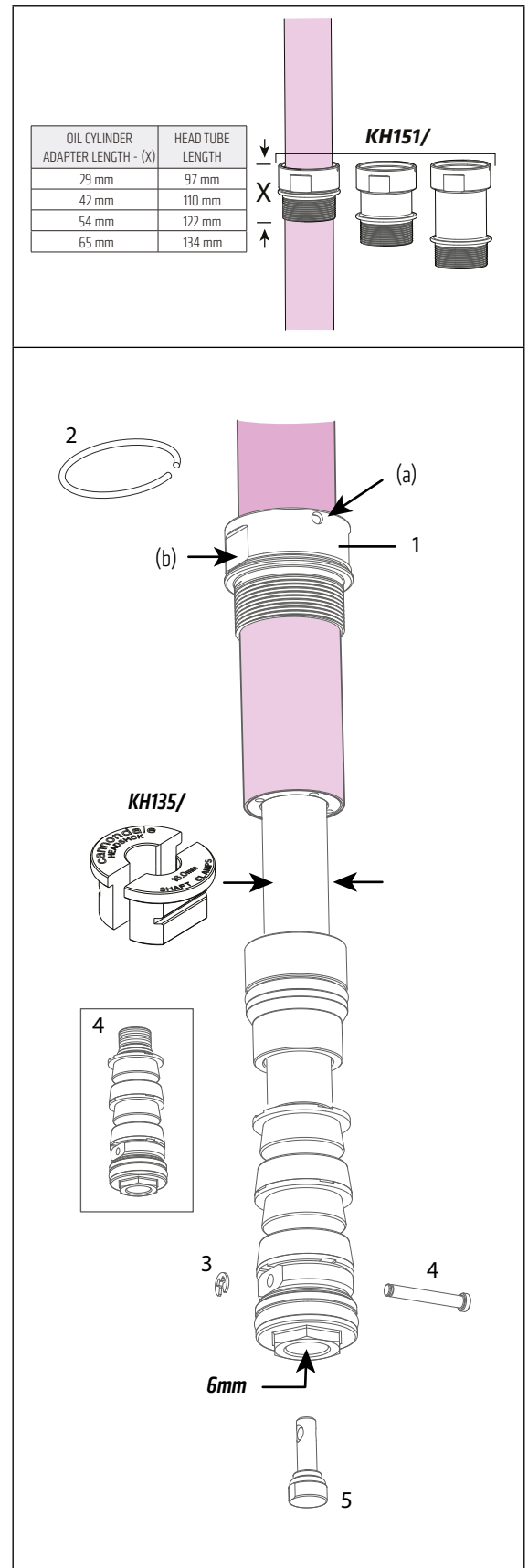
NOTICE:

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

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

1. With the damper out of the LEFTY, remove the e-clip (3) from the the piston retaining pin (4) and slide it out of the piston. Remove the lower piston pin (5).
2. Extend the lower damper shaft and clamp the lower shaft by using the 16mm shaft clamp **KH135/** (shown below in a soft-jaw bench vice).

Insert a 6mm hex wrench into the air piston and turn counter-clockwise to remove the solo air piston assembly (4).



3. Hold the top of the oil cylinder with a castle tool and turn the oil cylinder adapter with wrench flats to loosen it.
4. Insert a pick through the small hole (a) in the adapter to push the snap ring up and out.
5. 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.

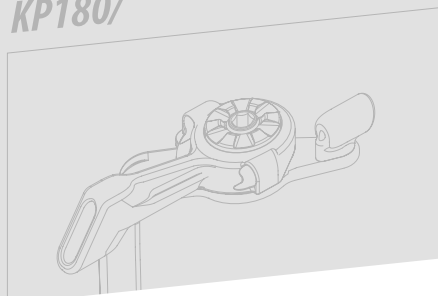
Reinstall the solo air piston assembly onto the damper. Be certain to use fresh application of Loctite 262 (red) and tighten the assembly onto the shaft end with the 6mm hex wrench. Tighten to the specified torque.

Reinstall the lower piston pin, the retaining pin and e-clip.

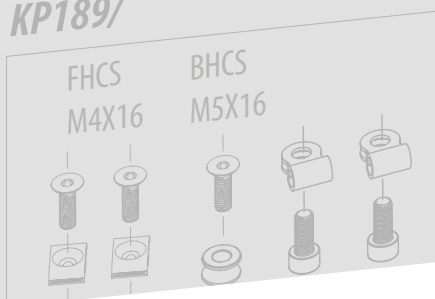
When installing the damper into the fork, apply Loctite 242 (blue) to the oil cylinder adapter threads and tighten the damping cartridge with a torque wrench to 27Nm.



KP180/



KP189/



CSG WARRANTY PROCESS

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KB6180/



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.

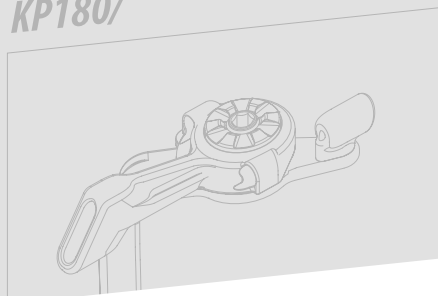
THIS IS THE ONLY WARRANTY MADE BY CYCLING SPORTS GROUP, INC., ON ITS FRAMES AND COMPONENTS, AND THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION HEREIN. ANY WARRANTIES THAT MAY OTHERWISE BE IMPLIED BY LAW INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR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

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

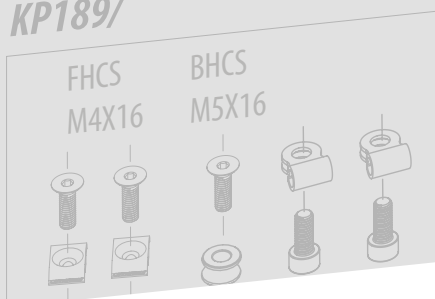
This Limited Warranty gives the consumer specific legal rights. The consumer may also have other legal rights which vary from state to state or country to country. Some states and countries do not allow the exclusion or limitation of incidental or consequential damages or warranties, so the above limitations 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)

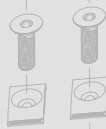
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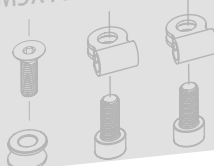
KP189/



FHCS
M4X16



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QC616/

KP018/
KB6180/

KP182/



FHCS
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SRAM / ROCKSHOX / AVID	Cycle Service Nordic ApS Datavej 12 5220 Odense SØ Tlf. +45 65 99 24 11 EMAIL: info@cycleservicenordic.com www.cycleservicenordic.com	Cycle Service Nordic ApS Ahertajankatu 6 97424 Schweinfurt FI-33720 Tampere Email: dsdgermany@sram.com PHONE: +358 378 777 31 Email:cc@cycleservicenordic.com www.cycleservicenordic.com	Cycle Service Nordic ApS Skuiveien 41 97424 Schweinfurt 1339 Vøyenenga Email: dsdgermany@sram.com PHONE: +47 2251 5500 Email:rs@cycleservicenordic.com www.cycleservicenordic.com	Cycle Service Nordic ApS Datavej 12 "5220 Odense SØ Tlf. +45 65 99 24 11 EMAIL: info@cycleservicenordic.com www.cycleservicenordic.com	Ciclo Coimbroes Rua Visconde das Devesas No 106-120 Vila Nova De Gaia, 4400-336 +351 22 370 97 72 / 3 / 4 +351 22 379 44 61 geral@ciclocimbroes.com
FOX	DENMARK (bike) BikeToyz Aps tel: + 45-8699-0058 fax: + 45-8749-0051 info@foxservice.nu www.foxservice.nu	FINLAND (bike) R-Tech Suspension OY tel: + 00358 3 2148 755 fax: + 00358 3 2148 757 rtech@rtechsuspension.fi www.rtechsuspension.fi	Cyklon Rigetjønnveien 3 4626 Kristiansand tlf: 38047474 Email: info@cyklon.no www.cyklon.no/	SWEDEN (bike) BikeToyz Aps tel: + 45-8699-0058 fax: + 45-8749-0051 info@foxservice.nu	BICIMAX - Artigos Desportivos,Lda Estrada de Leiria, 231 D Apartado.60 2431-091 Marinha Grande 911 231 593 +351 244 575 197
CAMPAGNOLO	PEAK BIKE APS Svejsegangen 3-1 TH 2690 Karlslunde Denmark tel. +45-4492 2800 fax +45-4492 2801 email: info@peakbike.dk		Racin depot Gravaksveien 36 ,4360 Sandnes TLF : 51686270 TLF : 51686270 444 racingdepot@racingdepot.no	PEAK BIKE APS Svejsegangen 3-1 TH 2690 Karlslunde Denmark tel. +45-4492 2800 fax +45-4492 2801 email: info@peakbike.dk	CAMPAGNOLO IBERICA S.L. Avda. de Los Huetos 46 Pab. 31 01010 VITORIA tel. +34-945-217195 fax +34-945-217198
BOSCH	Support.eBike@de.bosch.com	Support.eBike@de.bosch.com	Support.eBike@de.bosch.com	Support.eBike@de.bosch.com	
MAVIC	BikeToyz Aps tel: + 45-8699-0058 info@biketoyz.dk		Racin depot Gravaksveien 36 ,4360 Sandnes TLF : 51686270 racingdepot@racingdepot.no		
FSA / VISION	Bjarne Egedesø A/S M. P. Allerups Vej 69 5220 Odense SØ info@bikersbest.dk : +45 63 16 80 01	Bjarne Egedesø A/S M. P. Allerups Vej 69 5220 Odense SØ info@bikersbest.dk : +45 63 16 80 01	Bjarne Egedesø A/S M. P. Allerups Vej 69 5220 Odense SØ info@bikersbest.dk : +45 63 16 80 01 Bjarne Egedesø A/S M. P. Allerups Vej 69 5220 Odense SØ info@bikersbest.dk : +45 63 16 80 01		Comet Distribuciones Comer- ciales s.a. Poligini Erratzu 440, Urnieta, 20130. 0034 94331393, www.comet.es Bicicletas de Alava Carr. Perretagana (poi ind De Jundi) parc. 10, Vitoria Gasteiz, 1015 0034 945135202, www.bhse.e
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DT	DENMARK HF Cykler A/S Hvidemøllevvej 9-11 DK - 8900 Randers Phone: +45 89 14 14 22 Fax: +45 89 14 14 15 kbr.hfcyklar@hf-c.dk	Raul Hellberg Oy Riihimiehentie 8 01720 Vantaa Finland Phone: +358 9417 88400 Fax: +358 9417 88417 esa.hellberg@raulhellberg.fi	Delor AS Postboks 1004 Drøbak City 1440 Drøbak Phone: 64 98 99 50 Fax: 64 98 99 61 parts@delor.no	Skeppshultcykeln AB Storgatan 78 333 93 Skeppshult Tel 0371-368 00 Fax: 0371-360 27 info@skeppshult.se	Distributor: David Frehner Cale Sadet 43, 08960 Sant Just Desvern 0034 637796488 info.es@dtswiss.com, www.dtswiss.com Service center Bicitech Service Center S.L. Plaza Emilio, Sala 1, 03801 Alcoy 0034 96 610 93 28 info@slopes.es / www.slopes.es

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KENDA	Bjarne Egedesø A/S M. P. Allerups Vej 69 5220 Odense SØ info@bikersbest.dk : +45 63 16 80 01				"MASAC S.A. Rua Sra. De Vagos, Apartado 12, 3604-909 Cantanhede, Portugal. www.masac.pt, e-mail: masac@masac.pt Tel: +351 231 410 752, Fax: +351 231 410 751
FIZIK	Bjarne Egedesø A/S M. P. Allerups Vej 69 5220 Odense SØ info@bikersbest.dk : +45 63 16 80 01	Bjarne Egedesø A/S M. P. Allerups Vej 69 5220 Odense SØ info@bikersbest.dk : +45 63 16 80 01	Bjarne Egedesø A/S M. P. Allerups Vej 69 5220 Odense SØ info@bikersbest.dk : +45 63 16 80 01	Bjarne Egedesø A/S M. P. Allerups Vej 69 5220 Odense SØ info@bikersbest.dk : +45 63 16 80 01	Stand Jasma T: +351 212 268 838 E: info@jasma.pt
PROLOGO	HF CYKLER Hvidemøllevej 9-11 8900 Randers Denmark Ph: +45 89141414 Fax: +45 89141415 Email: info@hfcyklar.dk Web: www.bikeattitude.dk		NORWAY STIANS SPORT Aslakveien 200 -5, N-0753 Oslo Norway Ph: +47 22515500 Fax: +47 22515501 Email: office@stians-sports.no	STIANS SPORT /Merida 0046 317428563 Email: office@stians-sports.no	VIERA Via Industrial 2 Lote 7 Zona, Industrial de Alferrarede 2200-293 Abrantes Portugal Ph: +35 1241371766, Fax: +35 1241377415 Email: geral@vieiragraca.com, Web: www.vieiragraca.com

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TEKTRO	Sonder Gaard & Sonner Tel : 004586281022 Fax: 004586287731 www.bikesond.dk		Bike Pack Tel: 004733455161 Fax: 004733455314 www.bikepack.no		
RST	RST European office Hofener Str. 114 70372 Stuttgart, Germany Tel: +497112588221 Fax: 497112588402 www.rst.com.tw	RST European office Hofener Str. 114 70372 Stuttgart, Germany Tel: +497112588221 Fax: 497112588402 www.rst.com.tw	RST European office Hofener Str. 114 70372 Stuttgart, Germany Tel: +497112588221 Fax: 497112588402 www.rst.com.tw	RST European office Hofener Str. 114 70372 Stuttgart, Germany Tel: +497112588221 Fax: 497112588402 www.rst.com.tw	Service (Paul Lange Germany) Motokit TEL: 351-234-625607 FAX: 351-234-625608t
SUNTOUR	SMG Sport APS Toftevej 21 3450 Allerød, Denmark TEL. +45 7020 9464 FAX. +45 4022 8538 INTERNET: www.smgsport.dk	UIMONEN TRADING OY Tel : 358-3-3565-400 Fax : 358-3-2656-700 info@uimonen.fi			Aguesport - Importacao e Exportacao Lda Zona Industrial de Barro (Este), Apartado No. 5 3754-900 Barro TEL: +351 234 690 310, Fax: +351 234 621 284 www.aguesport.com, info@aguesport.com
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