



2027 SCOTT SPARK DC MANUAL

CONTENT

THE SPARK DC SHOULD BE ADJUSTED EXACTLY TO THE RIDER FOR MAXIMUM SAFETY AND RIDEABILITY.

This manual provides a summary of the primary operating functions of the Spark DC. It is not intended to serve as a comprehensive guide for service or maintenance procedures.

For detailed assistance, please consult an authorized SCOTT dealer to help prevent any technical issues, damage or harm.

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LEGEND



TORQUE AMOUNT



TORX TOOL SIZE



HEX TOOL SIZE



GREASE REQUIRED



NO GREASE REQUIRED



CARBON GREASE



THREADLOC REQUIRED



BEARING FIT REQUIRED



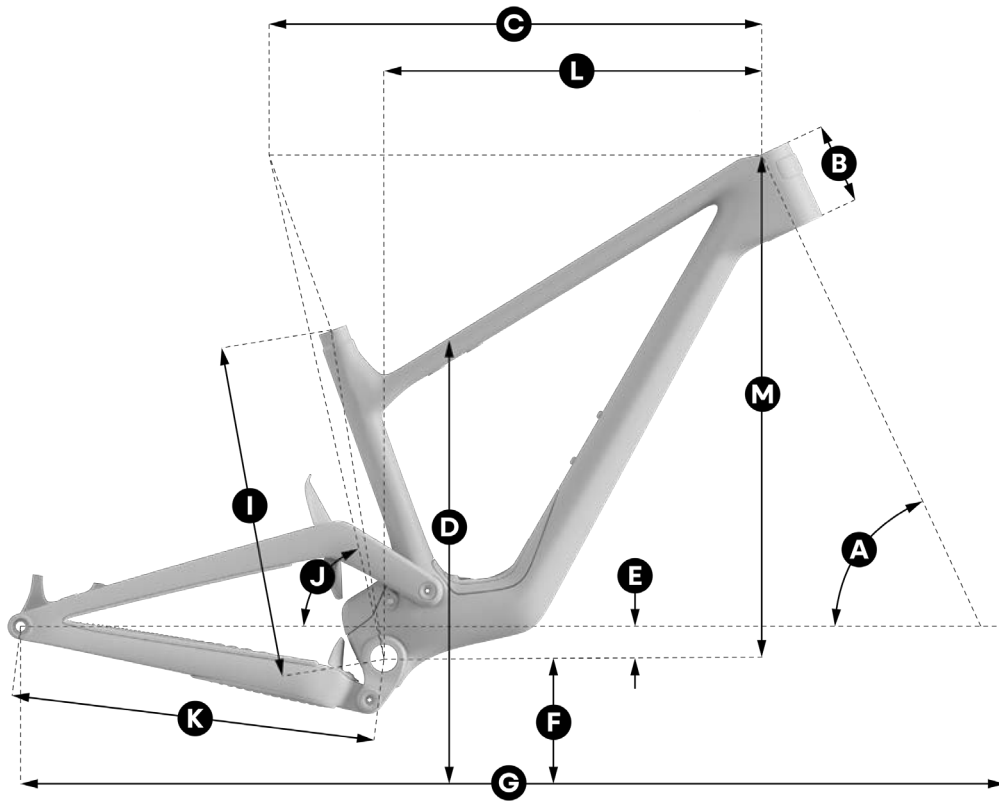
ANTI-SEIZE



REVERSE THREAD

SPARK DC

GEOMETRY



2027 SPARK DC		SMALL	SM-0.5°	SM+0.5°	MED	MD-0.5°	MD+0.5°	LARGE	LG-0.5°	LG+0.5°	XL	XL-0.5°	XL+0.5°
A	Head tube angle °	65	64.5	65.5	65	64.5	65.5	65	64.5	65.5	65	64.5	65.5
B	Head tube length mm	90	90	90	100	100	100	115	115	115	130	130	130
C	Top tube horizontal mm	569.3	568.4	570.2	599.3	598.4	600.2	629.3	628.4	630.2	659.3	658.4	660.2
D	Standover height mm	739	739	739	737.5	737.5	737.5	756	756	756	773	773	773
E	BB offset mm	-38	-38.9	-37.1	-38	-38.9	-37.1	-38	-38.9	-37.1	-38	-38.9	-37.1
F	BB height mm	338.5	337.6	339.4	338.5	337.6	339.4	338.5	337.6	339.4	338.5	337.6	339.4
G	Wheelbase mm	1177.2	1181.7	1172.6	1213.4	1217.9	1208.8	1249.7	1254.2	1245.1	1286	1290.5	1281.4
I	BB center to TST mm	380	380	380	400	400	400	440	440	440	470	470	470
J	Seat angle °	76.2	76.3	76.1	76.2	76.3	76.1	76.2	76.3	76.1	76.2	76.3	76.1
K	Chainstay mm	440	440	440	440	440	440	440	440	440	440	440	440
L	Reach mm	430	430.9	429.1	460	460.9	459.1	490	490.9	489.1	520	520.9	519.1
M	Stack mm	600.4	599.3	601.6	609.4	608.3	610.6	623	621.9	624.2	636.6	635.5	637.8
	Fork Rake mm	44	44	44	44	44	44	44	44	44	44	44	44
	Trail mm	127	119	119	127	119	119	127	119	119	127	119	119

SPARK DC

TECHNICAL DATA

SEATPOST	mm	31.6
SEATPOST CLAMP	mm	34.9
MAX SEATPOST INSERTION	mm	SM: 287 MD: 307 LG: 348 XL: 378
TRAVEL	mm	140 F 138 R
SHOCK LENGTH	mm	210
SHOCK STROKE	mm	50
SHOCK BUSHES	mm	20 x 8
HEADSET	mm	40/50 - 45° upper bearing 42/52 - 45° lower bearing
REAR AXLE	mm	178 x 12
BB HOUSING	mm	BSA 73 Alloy
MAX CHAIN RING		34 Tooth
MAX ROTOR REAR	mm	200 Direct / 203 (+ Shimano Adapt.)
MAX TYRE WIDTH	in	2.6
CHAIN LINE	mm	55

BEARINGS:

CHAINSTAY SWINGARM	61803
MAIN PIVOT	61804
BOTTOM BRACKET LINKAGE	61900

FOR CERAMICSPEED BEARINGS, PLEASE REVIEW THE FOLLOWING TERMS CAREFULLY :

<https://ceramicspeed.com/en-eu/pages/lifetime-warranty-terms-and-conditions>

SPARK DC

INTEGRATED CABLE ROUTING (ICR)

The ICR is in a fixed in position. Cable adjustment or replacement does not require any modification of the ICR system. For related procedures, refer to the Headset Adjustment chapter.

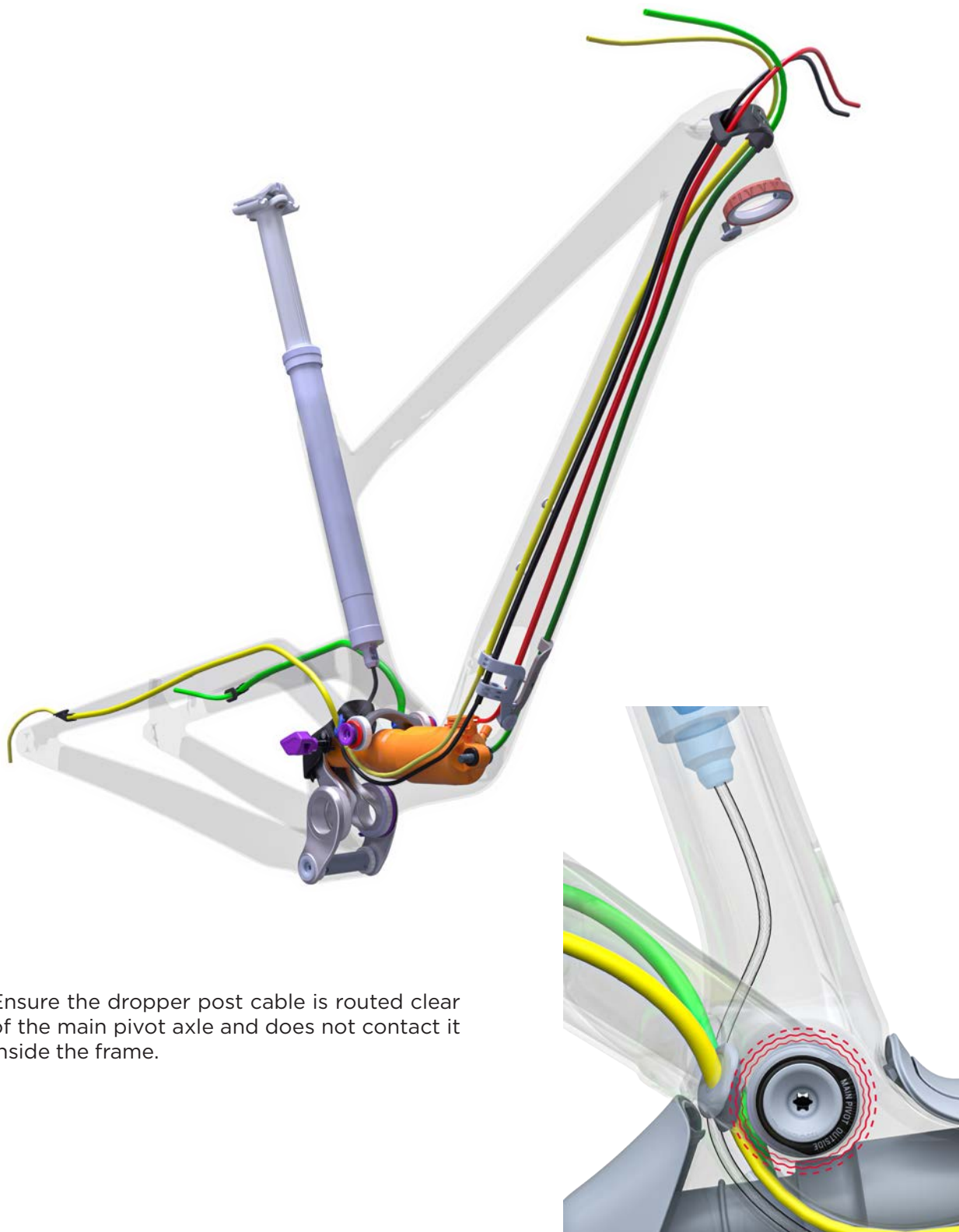


Ensure the dropper post cable is routed clear of the main pivot axle and does not contact it inside the frame.

SPARK DC

HEADTUBE (ICR)

The Headtube ICR is in a fixed in position. Cable adjustment or replacement does not require any modification of the ICR system.

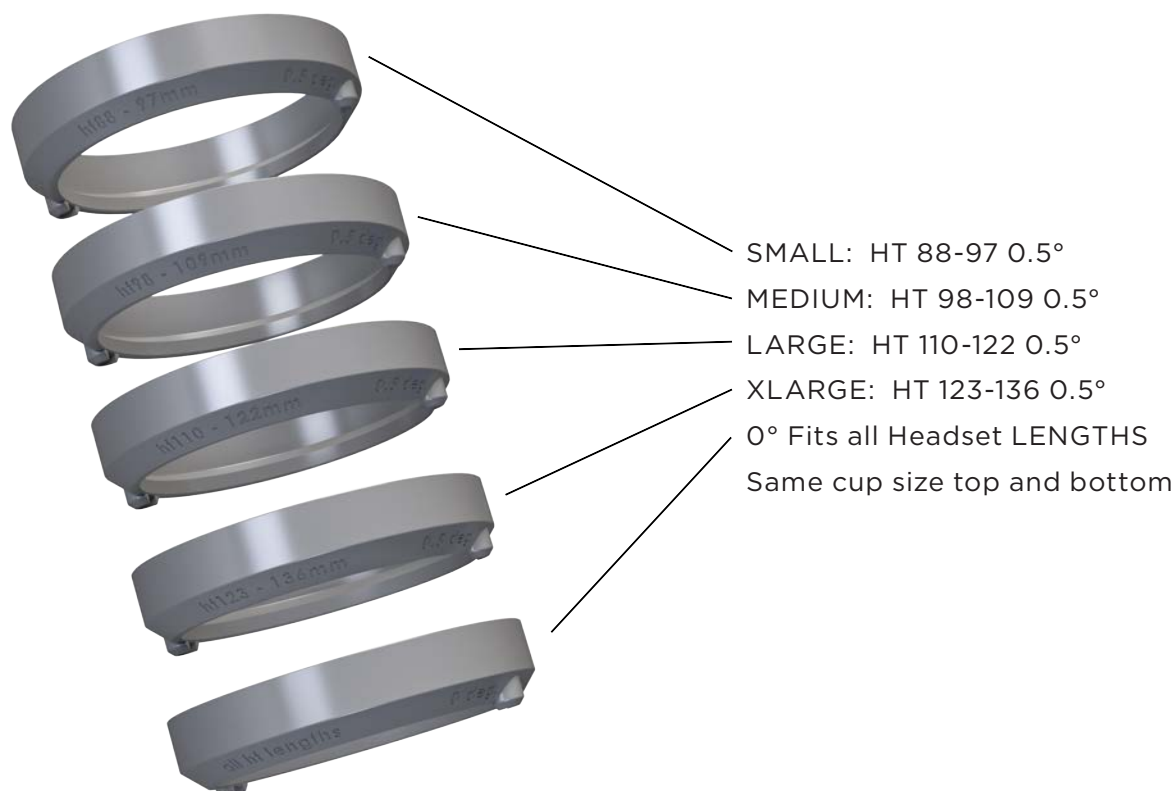


Ensure the dropper post cable is routed clear of the main pivot axle and does not contact it inside the frame.

SPARK DC

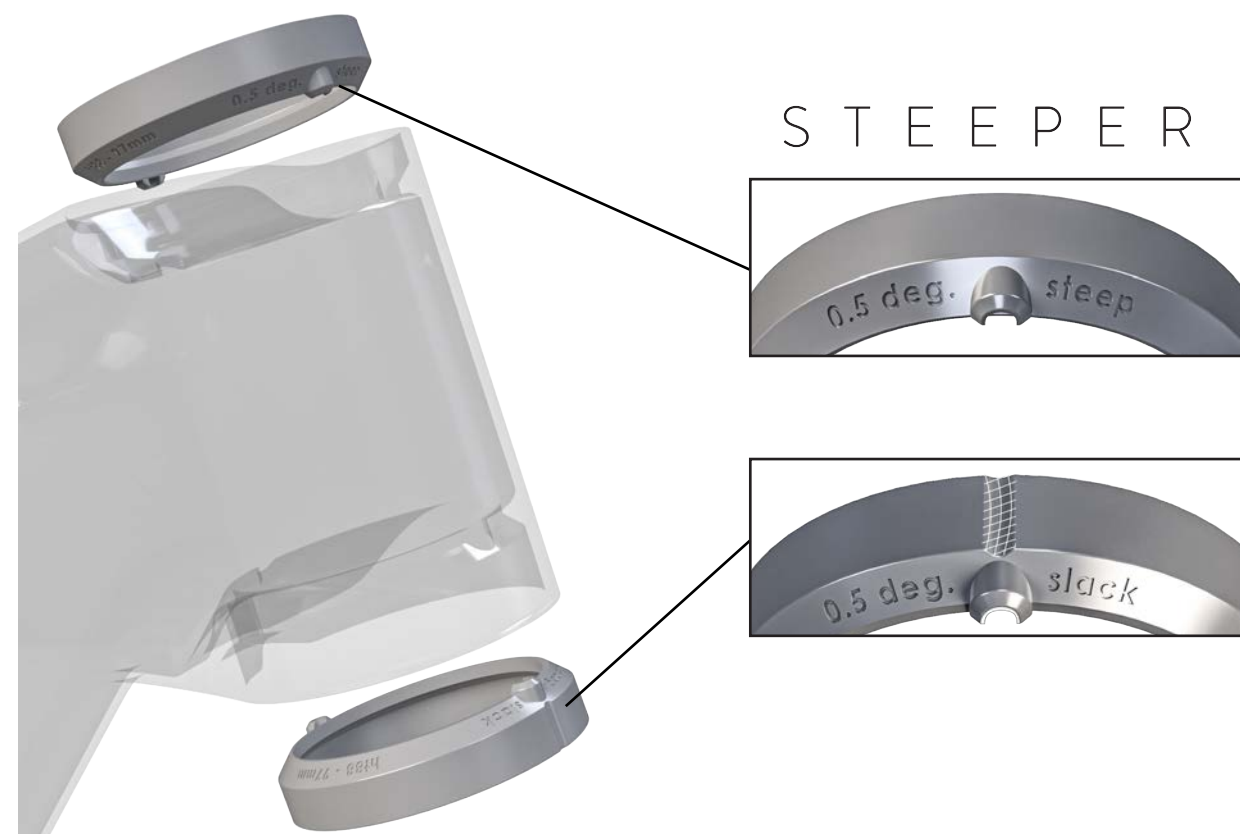
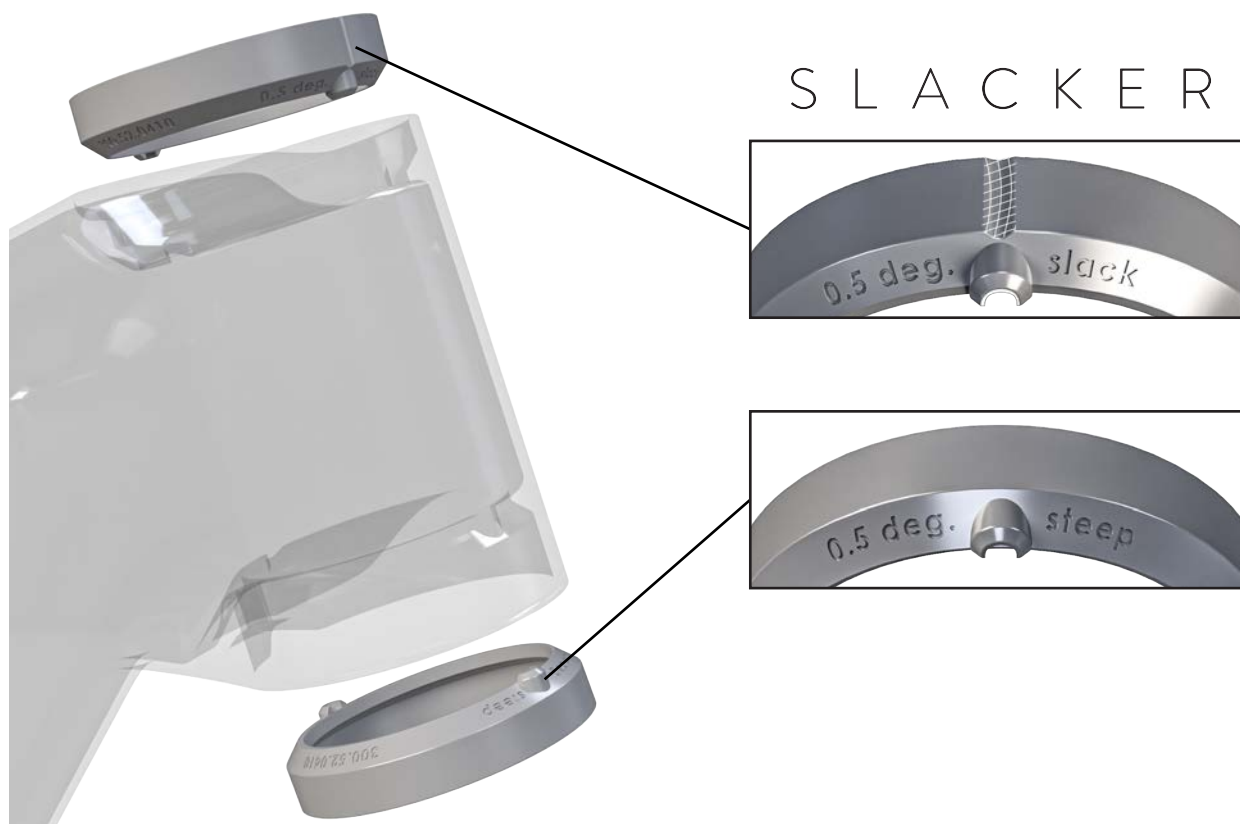
HEADSET ADJUSTMENT

HEADSET CUPS



Each individual headset cup will have one white coloured alignment indicator and a corresponding indent (without colour).

SPARK DC



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Press in the headset cups by hand after installing the ICR, make sure you have the cups aligned correctly. Lightly grease the cups.

For the lower cup install the seal before the bearing, make sure the rubber side of the seal faces upwards. Grease and press in the bearing.

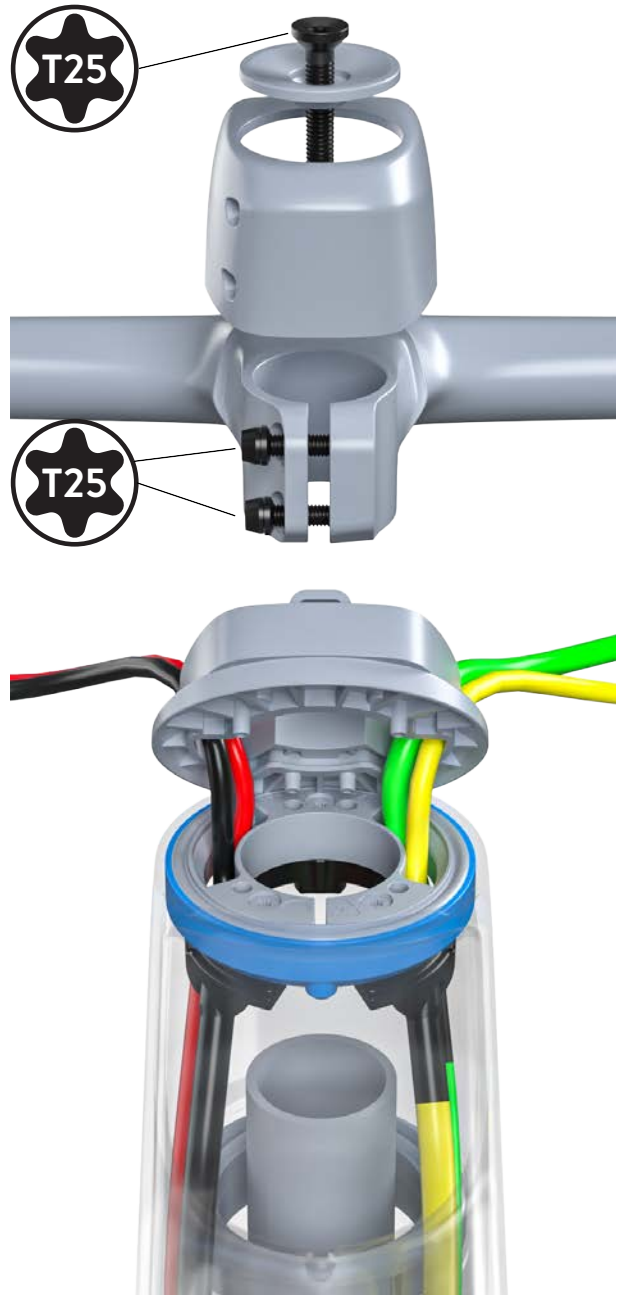
For the upper cup install the greased bearing first, followed by the seal. Make sure the rubber side of the seal faces upwards.

SPARK DC

UPPER HEADSET CUP ADJUSTMENT ICR

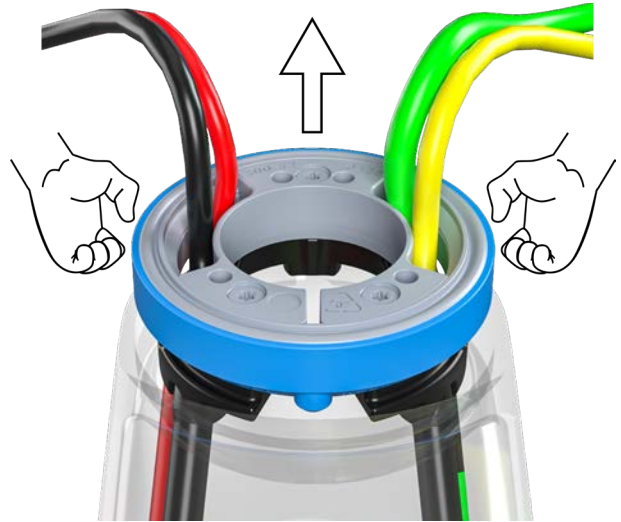
Remove the handlebar assembly (combo or handlebar and stem) and lower the fork. Slide the spacers and headset top cover up the cables to give you access to the headset cups.

⚠ 0° headset cup installation requires disassembly and assembly of cables and related components and should be performed by an Authorized SCOTT Dealer.



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Lift the upper cup out of the frame until the cup is free. Do not lift higher than necessary once clear of the frame.



Rotate the headset cup on the bearing.



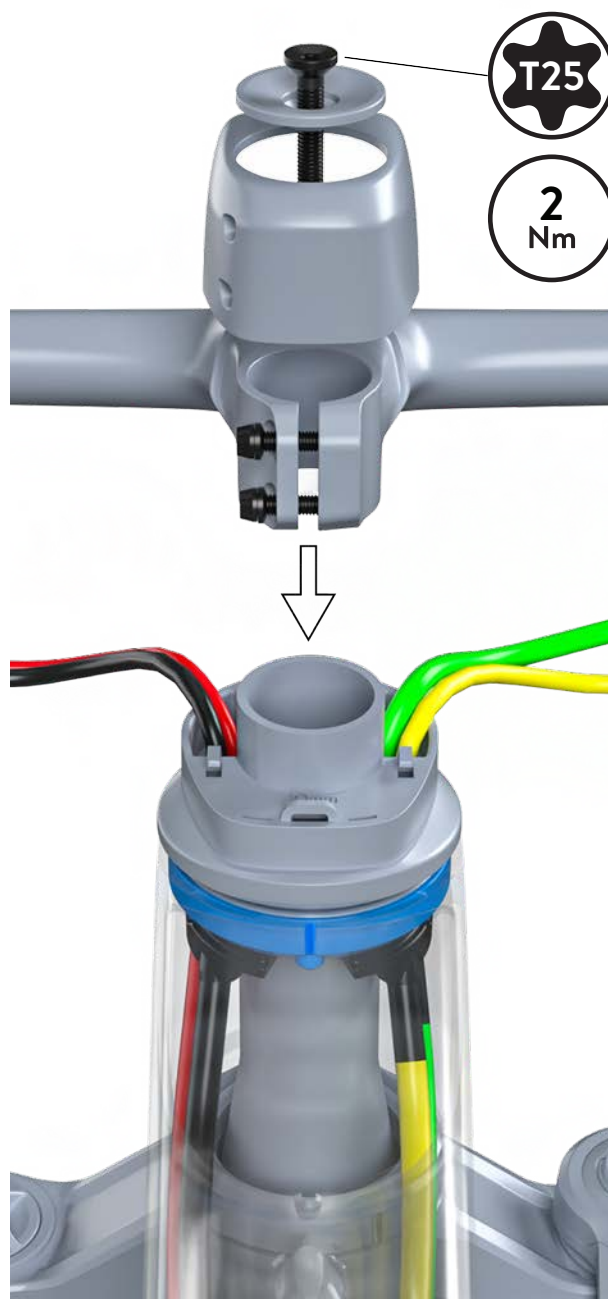
Align the headset cup with the frame alignment holes. Press the full assembly back into the frame by hand.



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Slide the fork back into position, mount the top cap and spacer/s. Re-assemble and align the handlebar, stem cover and compression top cap.

Tighten the stem bolts with the indicated tool and torque in a cross pattern sequence.

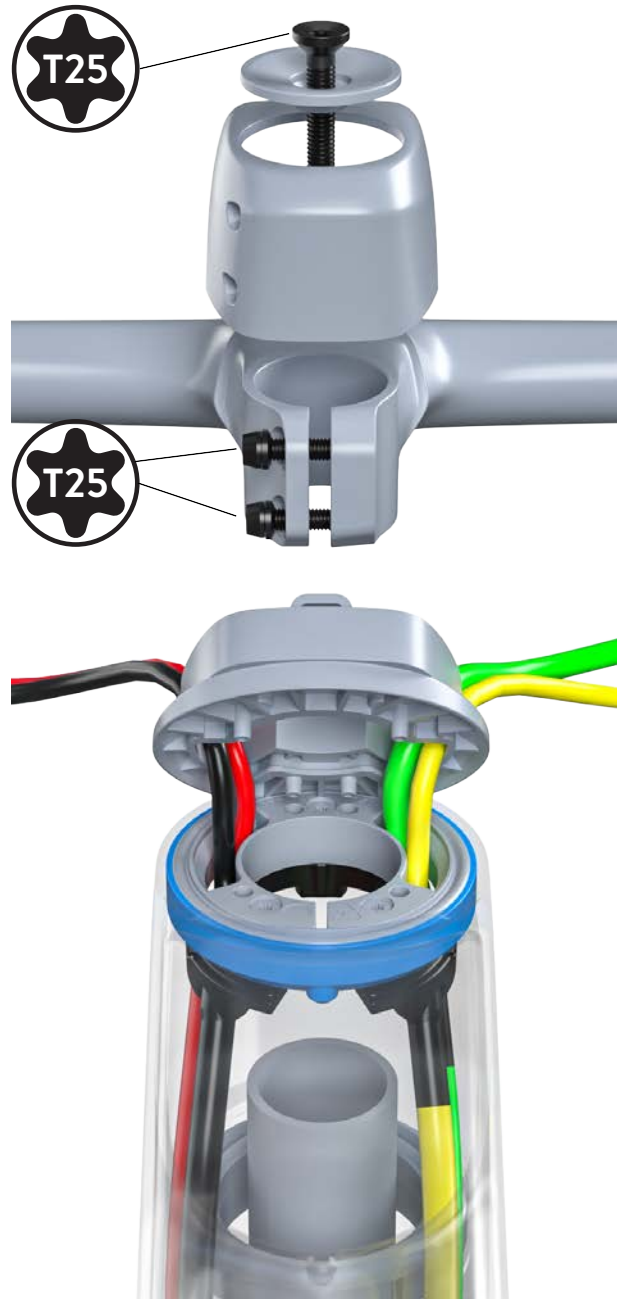


SPARK DC

LOWER HEADSET CUP ADJUSTMENT

Remove the handlebar assembly (combo or handlebar and stem) and lower the fork. Slide the spacers and headset top cover up the cables to give you access to the headset cups.

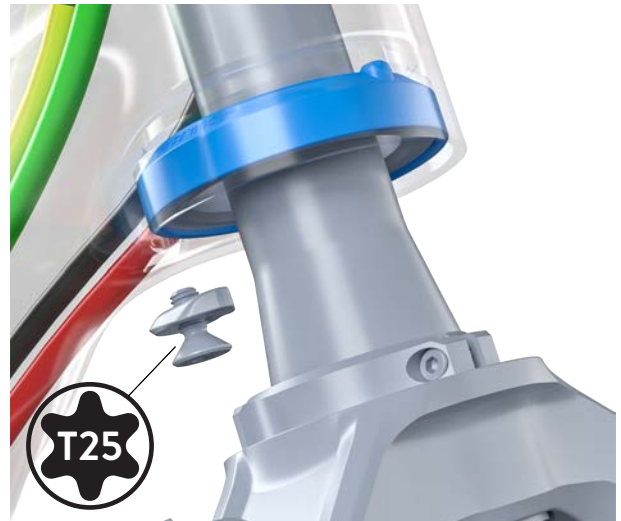
⚠ 0° headset cup installation requires disassembly and assembly of cables and related components and should be performed by an Authorized SCOTT Dealer.



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Lower the fork from the frame, it is not necessary to remove the fork completely.

Remove the Fork Stopper Plate.



Pull the lower cup out of the frame until the cup is free. Do not lower more than necessary once clear of the frame.



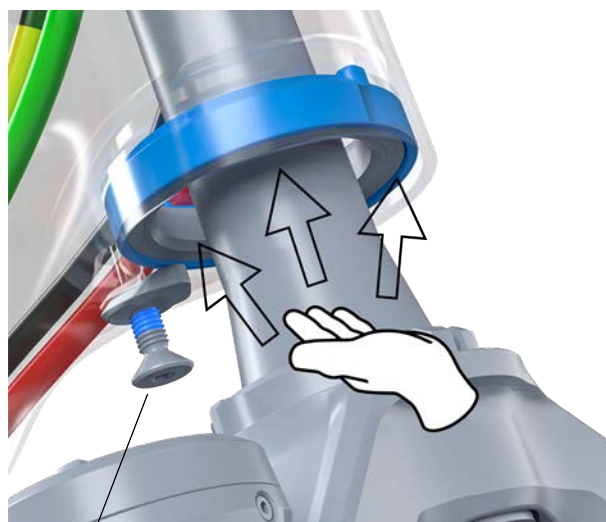
Rotate the headset cup on the bearing.



SPARK DC

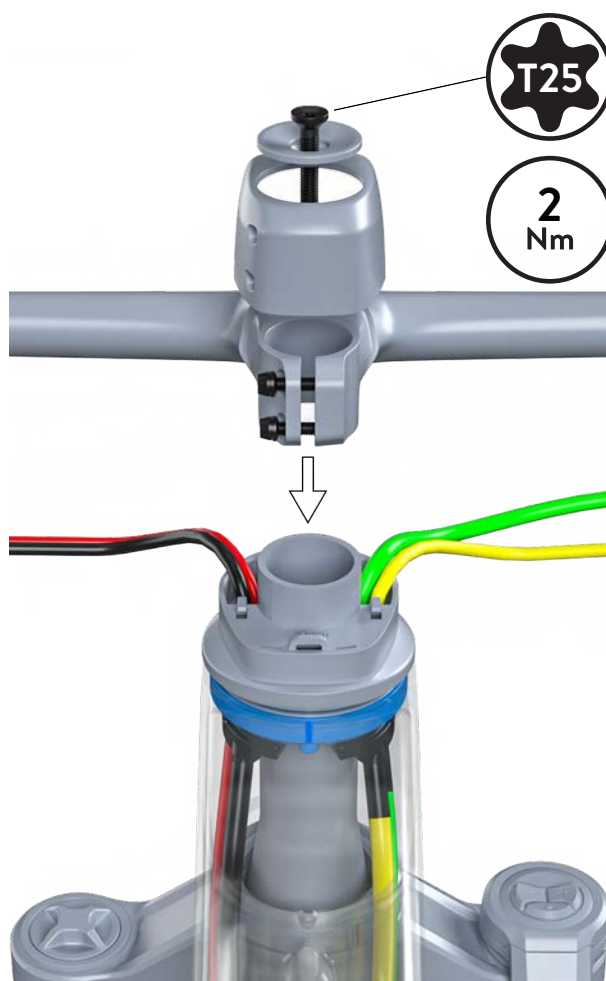
Align the headset cup with the frame alignment holes. Press the full assembly back into the frame by hand.

Re-assemble the Fork Stopper Plate.



Slide the fork back into position, mount the top cap and spacer/s. Re-assemble and align the handlebar, stem cover and compression top cap.

Tighten the stem bolts with the indicated tool and torque in a cross pattern sequence.



SPARK DC

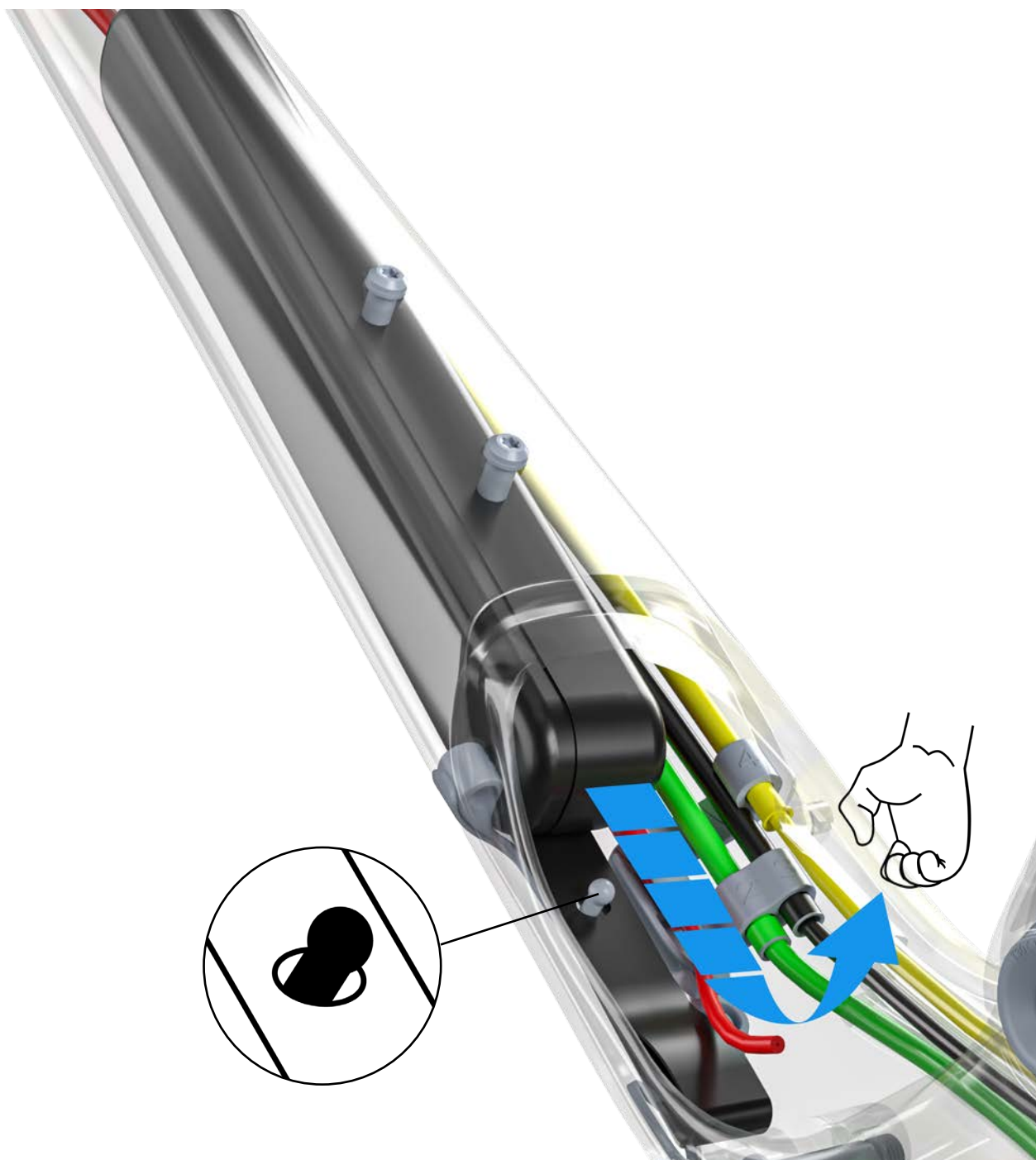
SYNCROS SAVE THE DAY KIT

The SYNCROS Save the Day Kit is integrated into the downtube. The kit includes a mini pump, tyre levers, and a 29" TP Inner Tube.



SPARK DC

The Syncros Save the Day Kit is easy to remove as all the cables are neatly set into position with the ICR. A simple process of pulling on the tab to remove. Once re-installed back into the frame the Save the Day Kit must be secured by the small plastic tab.



SPARK DC

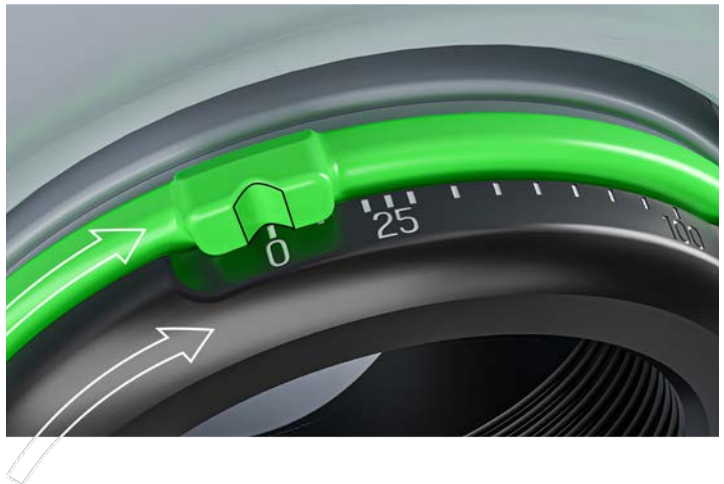
SETTING SAG

The Spark DC 2027 SAG set-up is based around the bottom bracket linkage with a clean and simple function. **25% SAG is recommended.**

Make sure the bottom bracket linkage and the SAG Ring are positioned together at 0% (with slight off-set).



Sit on the saddle gently in a neutral riding position without bouncing the suspension. Wear all normal riding equipment, including your backpack, helmet, and protective gear, as these affect the suspension load. Under rider weight, the linkage and SAG Ring will move together.

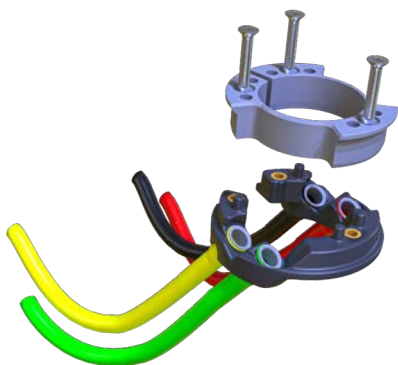


Carefully lift yourself off the saddle without compressing or rebounding the suspension. The linkage will return to its original position while the SAG Ring remains at the compression point, indicating the current SAG percentage. Compare the indicated value with the recommended SAG setting and adjust the rear shock air pressure accordingly until the desired SAG is achieved.



SPARK DC

GENERAL SPARE PARTS



427747 SCO HEADSET CABLE KIT ICR SPARK 27



427845 SCO TOOL/CABLE HOLDER KIT SPARK 27



428068 SCO SWINGARM BRAKE HOSE PORT SPARK DC 27



428014 SCO SWINGARM GEAR HOSE PORT SPARK 27

SPARK DC

GENERAL SPARE PARTS



427513 SCO LOWER LINK ALLOY SPARK DC 27



427518 SCO SWINGARM REP KIT SPARK DC 27



427560 SCO HEADTUBE BADGE BLANK SPARK DC 27



428071 SCO HEADTUBE BADGE CABLES SPARK DC 27

SPARK DC

GENERAL SPARE PARTS



428022 SCO HEADSET CUP KIT SPARK 27



428113 SCO HEADSET BEARINGS SPARK 27



428016 SCO HEADSET COVER KIT ECR SPARK DC 27



427517 SCO FORK LOCK STOP KIT SPARK 27



427521 SCO MAIN PIVOT COVER SPARK DC FACTORY 27

427826 SCO MAIN PIVOT COVER SPARK DC 10 27

427827 SCO MAIN PIVOT COVER SPARK DC 20 27

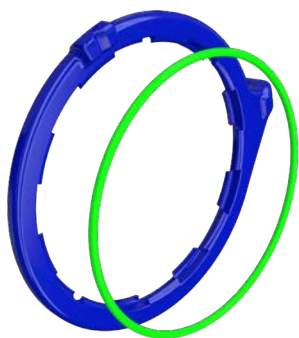
427828 SCO MAIN PIVOT COVER SPARK DC 30 27

427829 SCO MAIN PIVOT COVER SPARK DC 40 27

428207 SCO MAIN PIVOT COVER SPARK DC D-HOLM 27

SPARK DC

GENERAL SPARE PARTS



427514 SCO SAG INDICATOR SPARK 27



428024 SCO AXLE RWS REAR 148X12 SPARK RC 27



286000 SCO DROPOUT SRAM UDH 21



427087 SYN SAVE THE DAY KIT IS-M100



428161 SCO CS/SS PROTECTOR 3PC GLUE SPARK DC 27

SPARK DC

GENERAL SPARE PARTS



- 427821 SCO HEADTUBE COVER SPARK DC FACTORY 27
- 427822 SCO HEADTUBE COVER SPARK DC 10 27
- 427823 SCO HEADTUBE COVER SPARK DC 20 27
- 427824 SCO HEADTUBE COVER SPARK DC 30 27
- 427825 SCO HEADTUBE COVER SPARK DC 40 27



- 427830 SCO SHOCK COVER SPARK DC FACTORY 27
- 427831 SCO SHOCK COVER SPARK DC 10 27
- 427832 SCO SHOCK COVER SPARK DC 20 27
- 427833 SCO SHOCK COVER SPARK DC 30 27
- 427834 SCO SHOCK COVER SPARK DC 40 27



- 428101 SCO REAR S/S FENDER SPARK DC 27



- 428102 SCO REAR C/S FENDER SPARK DC 27



SPARK DC

GENERAL SPARE PARTS



427519 SCO T-TYPE STOP SCREW SPARK 27



427515 SCO UDH STOP SCREW SPARK 27



297136 SCO BOTTLE CAGE INSERTS SCALE HMX-SL 23



297087 SCO SEATCLAMP SPARK 34.9 22

SPARK DC

GENERAL SPARE PARTS



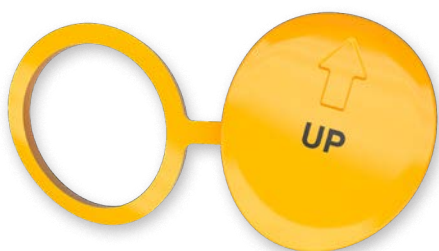
427561 SCO CHAINGUIDE SPARK DC 27



428023 SCO SEATTUBE CABLE RUBBERS SPARK RC 27



427748 SCO AXS BLANK KIT SPARK RC 27



428038 SCO SHOCK WINDOW RUBBER SPARK RC 27

MANUFACTURER'S GUARANTEE,

When purchasing a new SCOTT bicycle from an authorized SCOTT dealer, SCOTT grants a manufacturer's guarantee subject to the following provisions.

CONDITIONS

The manufacturer's guarantee is only granted to the first-time buyer of a SCOTT bicycle who has purchased it from an authorized SCOTT dealer. The manufacturer's guarantee only applies if the bicycle is registered to the first buyer at www.scott-sports.com within one year of purchase.

DURATION

The manufacturer's guarantee is granted from the date of purchase for a period of five years on bicycle frames and rear ends. The guarantee period is reduced to three years, if the SCOTT bicycle is not serviced at least once a year by an authorized SCOTT dealer. Maintenance services must be carried out in accordance with the maintenance instructions in the SCOTT manual and must be confirmed there by the stamp and signature of the authorized SCOTT dealer.

For frames and rear ends of Category 5 bicycle models and for rigid forks manufactured by SCOTT, the duration of the manufacturer's guarantee is limited to two years.

If a defect on the SCOTT bicycle is remedied within the scope of a manufacturer's guarantee or a warranty claim, the duration of the manufacturer's guarantee is not extended. The manufacturer's guarantee ends, when the first-time buyer transfers ownership of the SCOTT bicycle to a third person.

ASSERTION

The manufacturer's guarantee is provided by SCOTT Sports SA, Route du Crochet 11, 1762 Givisiez, Switzerland. The buyer must inspect the SCOTT bicycle immediately after purchase and notify his authorized SCOTT dealer at once in writing of any obvious defects. Hidden defects must be reported immediately after their discovery. In the event of a guarantee claim, the SCOTT bicycle must be handed over to an authorized SCOTT dealer. The latter will contact SCOTT to remedy the defect. The assertion of a guarantee claim always requires the presentation of the original proof of purchase as well as the proof of maintenance service in the SCOTT manual.

Performance of SCOTT in the event of a guarantee claim

In the event of a guarantee claim, SCOTT will, at its own discretion, repair the defect or replace the defective product with a product of similar quality, whereby colour and model deviations are possible. If a repair or replacement is not possible, a purchase price refund will be made taking into account previous use. SCOTT is entitled to commission third parties to remedy the defect.

LIMITATIONS

The manufacturer's guarantee applies exclusively to frames, swingarms and rigid forks of SCOTT bicycles. Bicycle components are excluded from this manufacturer's guarantee.

The manufacturer's guarantee does not apply to normal wear and tear, damage caused by accidents or other excessive force on the SCOTT bicycle, corrosion, improper maintenance, incorrect assembly and assembly of unsuitable components or accessories as well as cosmetic defects, for example in the varnish.

The manufacturer's guarantee does not apply to SCOTT bicycles that have been used in a rental shop.

MISCELLANEOUS

These manufacturer's guarantee provisions apply to all SCOTT bicycles as of model year 2023. Statutory warranty rights of the buyer and guarantees of component manufacturers (Shimano, SRAM etc.) remain unaffected by this manufacturer's guarantee. The place of jurisdiction for all disputes in connection with this manufacturer's guarantee is Freiburg, Switzerland. This manufacturer's guarantee is subject to Swiss law to the exclusion of all legislation that refers to foreign law.

SCOTT		BIKE WARRANTY PERIODS				
		Year 1	Year 2	Year 3	Year 4	Year 5
SCOTT Bikes						
Category 5 Bikes						
Regular Warranty Period						
Option for prolongation according to maintenance intervals shown in manual attached to bikes						

NOTES:

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