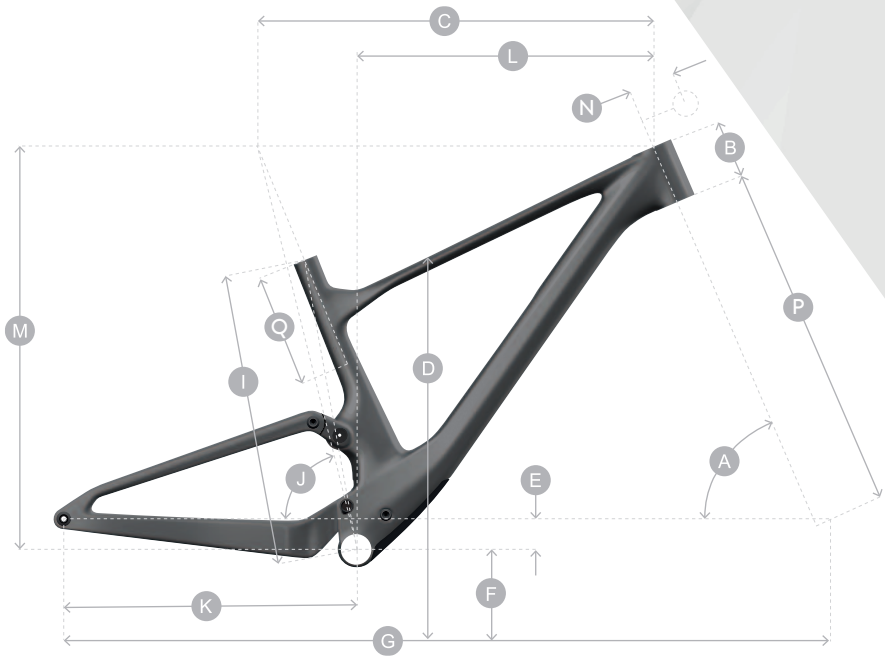
SCOTT
SPARK MY22
MANUAL

# Technical Data:

| | |
|---|---|
| Seatpost: | 31.6mm |
| Seatpost Clamp: | 34.9mm |
| Travel: | Rear 120mm<br>Front: RC 120mm<br>Non RC 130mm |
| Shock Length: | 165mm |
| Shock Stroke: | 45mm |
| Hardware M/Frame: | Trunnion |
| Hardware Linkage: | 20mm Bush x<br>10mm Bolt |
| BB Housing: | 92x41mm |
| Chainring Max: | 38 Tooth |
| Chain Line: | 55mm |
| Tyre Width Max: | 2.4 Inches |

Tyre sizes often vary from brand to brand. Always ensure the frame, linkage & swingarm tyre clearance is adequate when replacing the rear tyre.

# Geometry:



## MY22 RC // +0,6° head cup // 120mm fork

| | | Small | Medium | Large | X/Large |
|---|---|---|---|---|---|
| A | HEAD TUBE ANGLE | 67.2° | 67.2° | 67.2° | 67.2° |
| B | HEAD TUBE LENGTH | 90 mm | 90 mm | 105.0 mm | 115.0 mm |
| C | TOP TUBE HORIZONTAL | 562 mm | 590 mm | 614 mm | 642 mm |
| D | STANDOVER HEIGHT | 758 mm | 765 mm | 776 mm | 799 mm |
| E | BB OFFSET | -45 mm | -45 mm | -45 mm | -45 mm |
| F | BB HEIGHT | 330 mm | 330 mm | 330 mm | 330 mm |
| G | WHEEL BASE | 1,129 mm | 1,159 mm | 1,190 mm | 1,231 mm |
| I | BB CENTER TO TOP OF SEATTUBE | 415.0 mm | 440.0 mm | 490 mm | 540 mm |
| J | SEAT ANGLE | 75.9° | 76.1° | 76.6° | 76.9° |
| K | CHAINSTAY | 437.5 mm | 437.5 mm | 437.5 mm | 437.5 mm |
| L | REACH | 411 mm | 441 mm | 471 mm | 501 mm |
| M | STACK | 602.5 mm | 602.5 mm | 616 mm | 625 mm |
| N | STEM LENGTH | 50 mm | 60 mm | 70 mm | 80 mm |
| P | FORK LENGTH | 530 mm | 530 mm | 530 mm | 530 mm |
| Q | MAX POST INSERTION | 150 mm | 175 mm | 225 mm | 275 mm |
| | CRANK LENGTH | 170 mm | 175 mm | 175 mm | 175 mm |

## MY22 900 // -0,6° head cup // 130mm fork

| | | Small | Medium | Large | X/Large |
|---|---|---|---|---|---|
| A | HEAD TUBE ANGLE | 65.8° | 65.8° | 65.8° | 65.8° |
| B | HEAD TUBE LENGTH | 90 mm | 90 mm | 105 mm | 115 mm |
| C | TOP TUBE HORIZONTAL | 561 mm | 589 mm | 613 mm | 641 mm |
| D | STANDOVER HEIGHT | 759 mm | 767 mm | 778 mm | 801 mm |
| E | BB OFFSET | -43.5 mm | -43.5 mm | -43.5 mm | -43.5 mm |
| F | BB HEIGHT | 331.5 mm | 331.5 mm | 331.5 mm | 331.5 mm |
| G | WHEEL BASE | 1,145 mm | 1,174 mm | 1,205 mm | 1,236 mm |
| I | BB CENTER TO TOP OF SEATTUBE | 415mm | 440 mm | 490 mm | 540 mm |
| J | SEAT ANGLE | 75.7° | 75.9° | 76.4° | 76.7° |
| K | CHAINSTAY | 437.5mm | 437.5mm | 437.5mm | 437.5mm |
| L | REACH | 410 mm | 440 mm | 470 mm | 500 mm |
| M | STACK | 607.5 | 607.5 | 617.7 mm | 627 mm |
| N | STEM LENGTH | 50 mm | 60 mm | 60 mm | 70 mm |
| P | FORK LENGTH | 540 mm | 540 mm | 540 mm | 540 mm |
| Q | MAX POST INSERTION | 150 mm | 175 mm | 225 mm | 275 mm |
| | CRANK LENGTH | 170 mm | 175 mm | 175 mm | 175 mm |

# PLEASE TAKE NOTE OF THE BELOW ICONS THROUGHOUT THIS MANUAL FOR SAFE PRACTISE.

EASY TECHNICAL STEP

IMPORTANT TECHNICAL STEP

NO GREASE

WITH GREASE

THREADLOC

BEARING FIT

WARNING/CAUTION

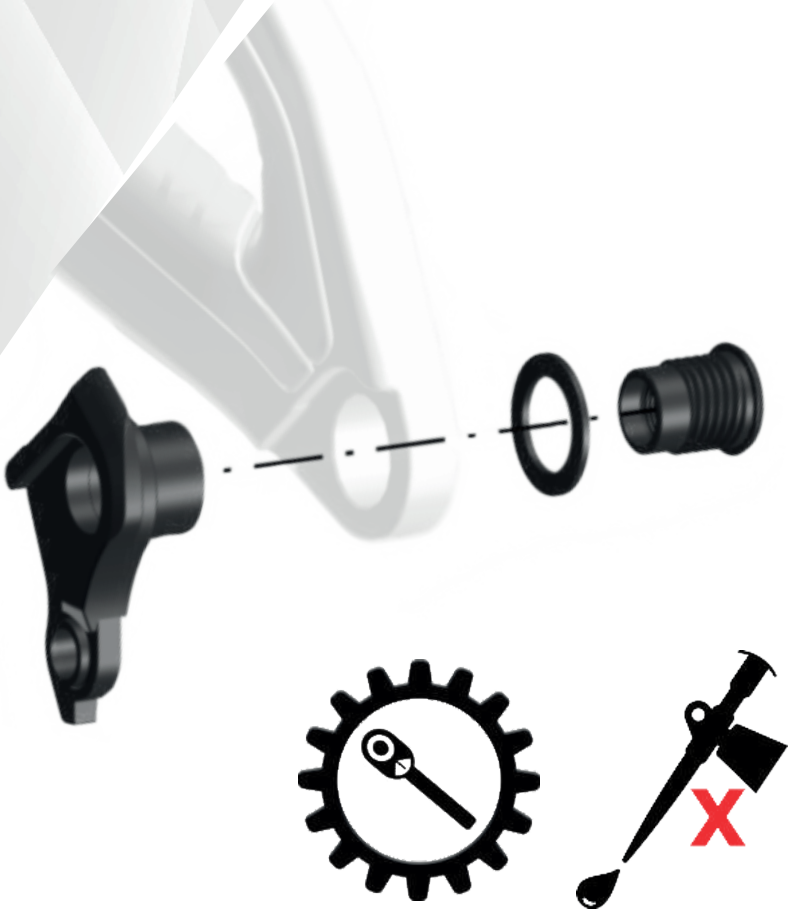
TORQUE CHECK

# Hangers & Axles:

The Spark has only one rear hanger, this is the SRAM UDH.
This is available from your SRAM agent, also available via an Authorised Scott Dealer.

**286000 - SCO Dropout Sram UDH 21**

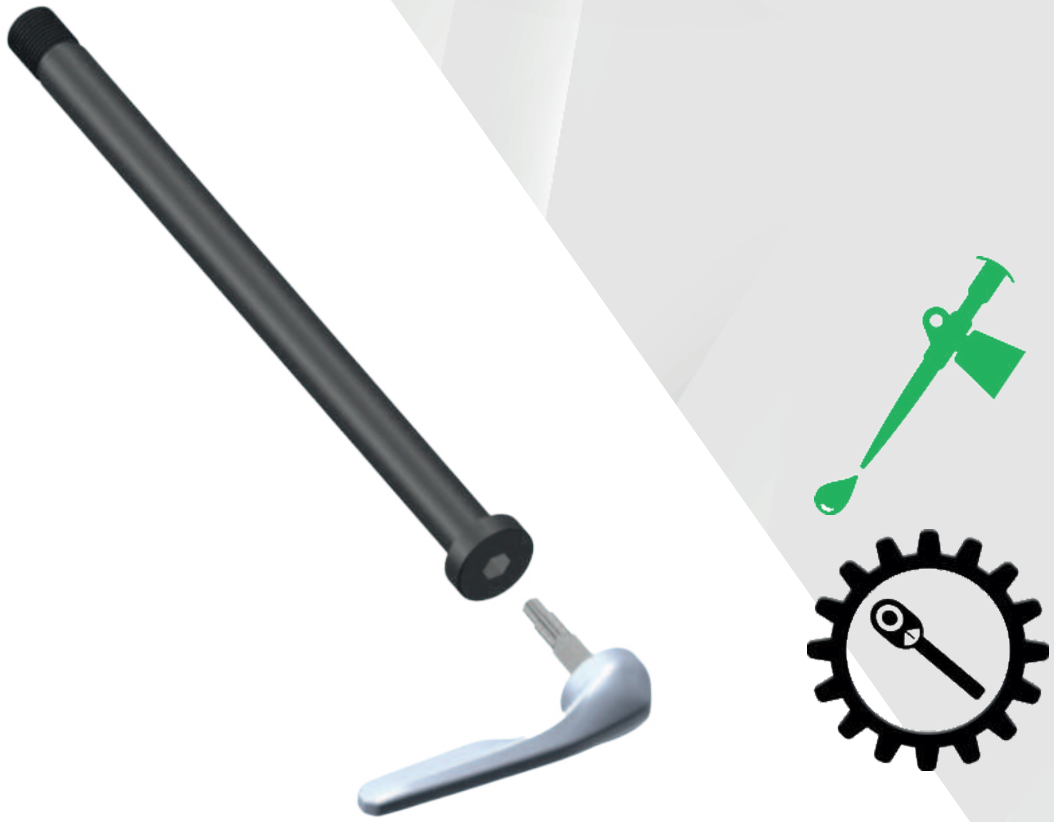
The UDH must be assembled without grease to a torque of 25Nm reverse thread



The new rear axle is specific for the Spark and contains a “plug in“ tool containing T30/T25 and M6 Hex key:

**290016 - SCO Axle RWS Rear 148x12 Spark Plug 22**

The Axle must be assembled with grease, and torqued to 10Nm.



# Rear Brake Mounting:

The brake calliper mount is a standard post mount with a specific adaptor for the Spark, this is available in 160 and 180mm only. (No live valve option).

**290010 - SCO Brake Mount Spark 22**

The 180mm mount will need conical washers, as in previous years.

# Chain Protectors:

The Chainstay Protectors will come in two options:

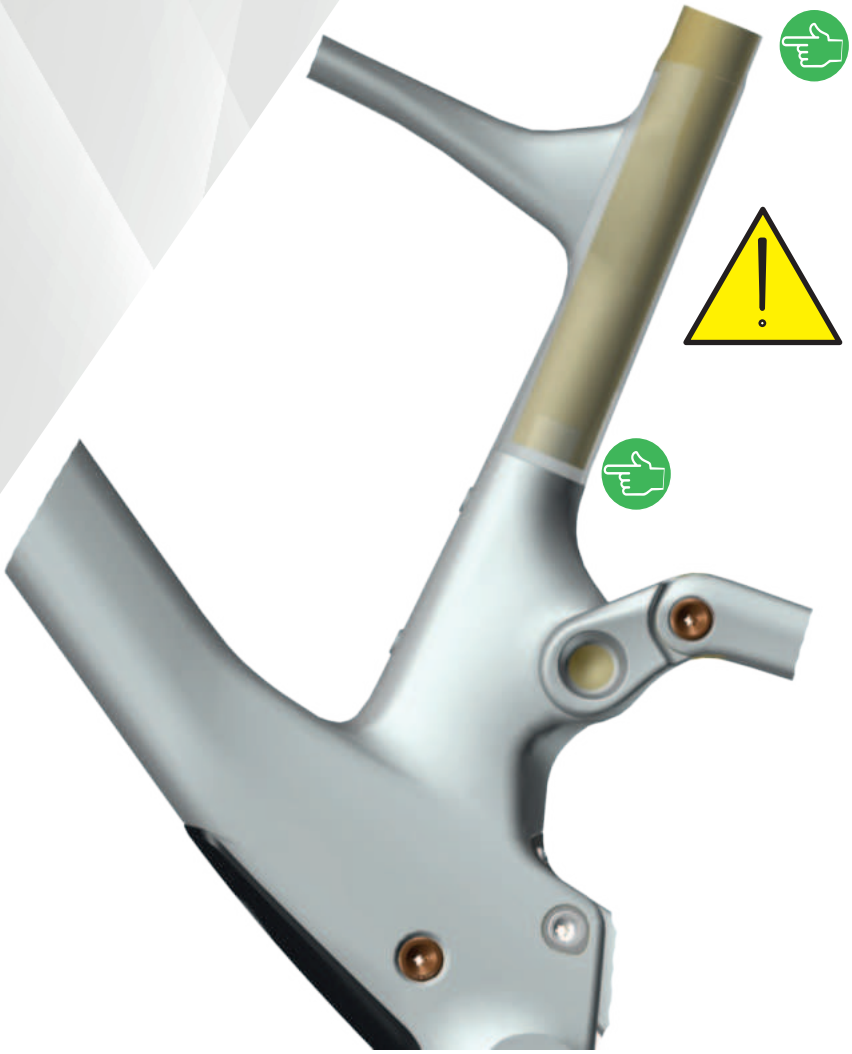
**290017 - SCO Chainsuck Protector Spark 22**
**288539 - SCO CS/SS Protector Glue Spark CB 22**
**288540 - SCO CS/SS Protector Glue Spark AL 22**

# Maximum Seatpost Insertion:

Please observe the maximum seatpost insertion, there is no stopper inside the frame.

This is size specific:

Small: 150mm
Medium: 175mm
Large: 225mm
XLarge: 275mm



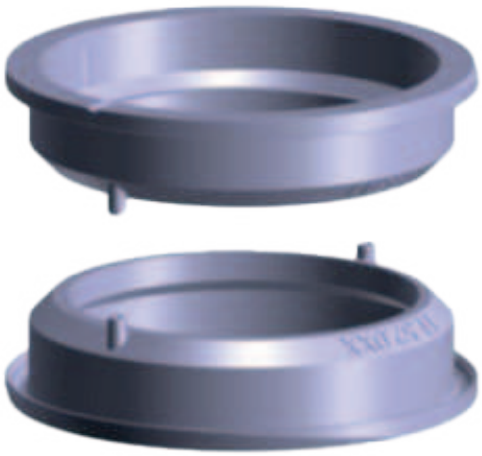
# Headset:

The Spark headset is unique, it has several set up variables:

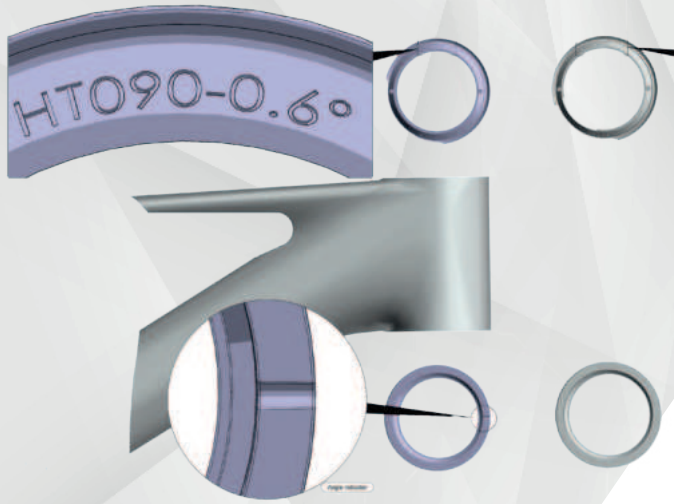
**288251 - SYN Headset ZS56/28.6 - ZS56/40 MTB**
**This will be bearing, crown race, and compression ring!**

**290060 - SCO Headset Cup Kit Spark 22**
**This will include two cups of 0 degree & 0.6 degree. Size Specific**

Do not use a standard Headset Removal Tool to remove the cups.

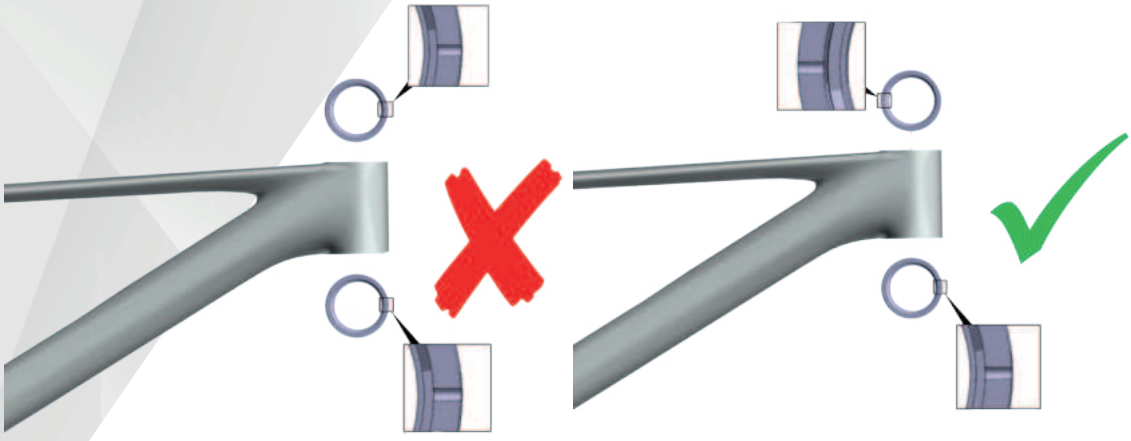


Headset indication and orientation, it is important to have the headset installed correctly depending on the setup. There are two types, 0° and 0.6°, these can be identified from the stamp on the inner surface of the headset cup.

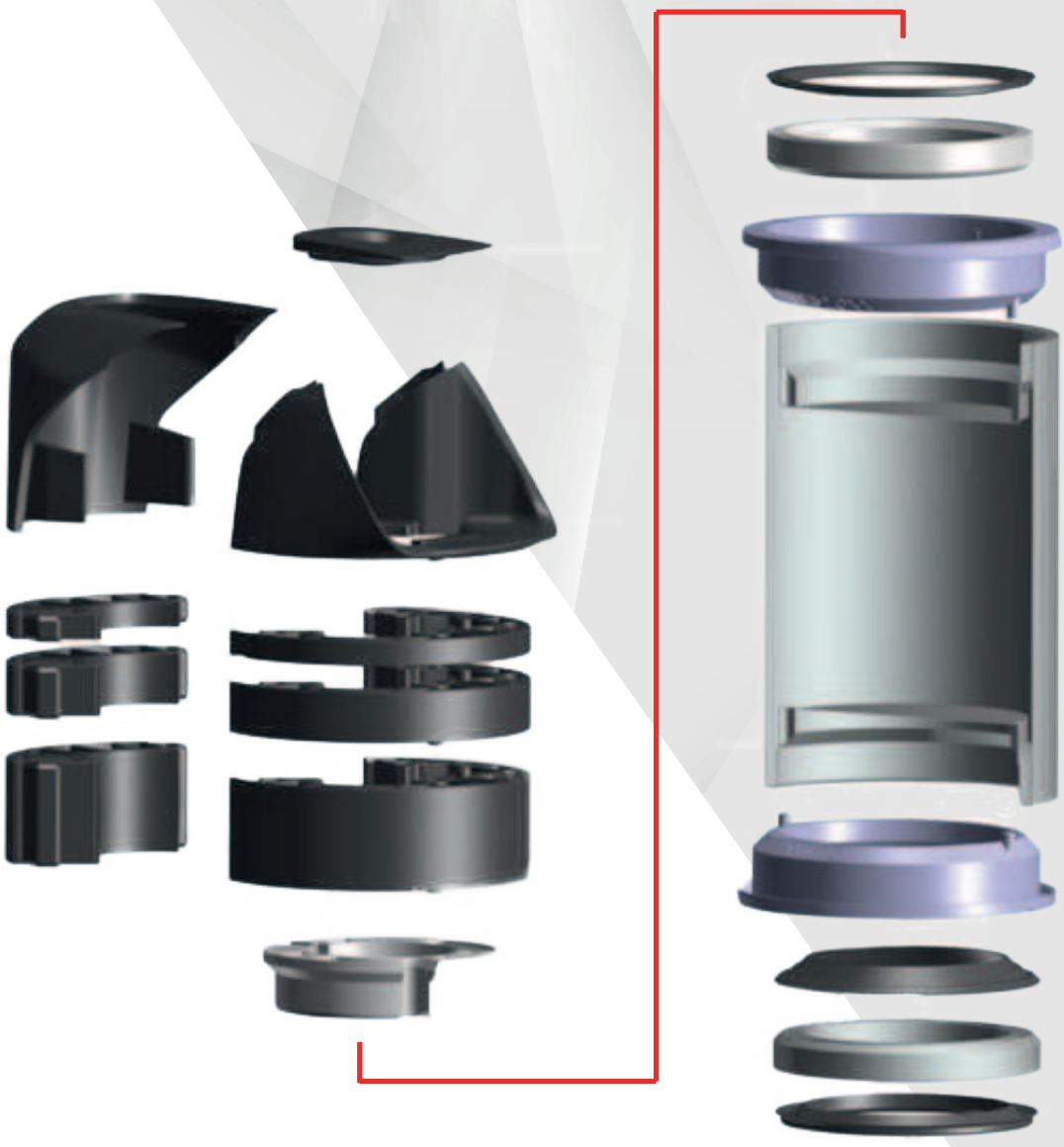



| Pre-Installed Headset cups with 0.6° Head Angle adjust | |
|---|---|
| Sizes Small & Medium | HT090: Headtube length 90 mm |
| Size Large | HT105: Headtube length 105 mm |
| Size X-Large | HT115: Headtube length 115 mm |

For 0.6° this can be installed at + or – but it is essential that the angle indication markers on the headset are set opposite to each other, top facing forward and bottom facing backwards (or vice versa).



The headset assembly must follow the below no matter which bar/stem system is being used.



There are three separate Stem Spacer Kits & one Headset Spacers Kit:

**290059 - SCO Stem Spacer/top cap SY MTB XC 22**
**290057 - SCO Stem Spacer/top cap SY MTB Combo 22**
**290058 - SCO Stem Spacer/top cap SY MTB DC 22**

The Headset Spacer Kit will contain 3 x 5mm, 2 x 10mm, 1 x 20mm Spacers:

**290056 SCO - Headset Spacer Kit IC MTB 22**

# Cable Guides & Covers:

The MY22 Spark's cable routing is all internal, the follow guides & covers are available:

**290021 - SCO Cable/Shock DT Cover Spark 22**
**290054 - SCO Handlebar Cableguide Kit MTB IC 22**
**290020 - SCO Cableguide & BB Cover Spark 22**

Please be aware that the maximum bolt length for the bottle cage on the seat tube is 10mm. The rivet nuts have closed ends, and using a longer bolt may result in damage to the frame.

**If you are unsure of any of the following steps please take you bike to an Authorised Scott Dealer for assistance. Do not try to undertake the work yourself as this could cause damage to your bike, and may cause an accident if incorrect assembled/dis-assembled or set-up is followed.**

# Basic Shock Pump Set -Up:

A Scott Shock pump has a special valve head and the following steps should be followed to make sure the correct pressure is applied.

Please note the air will flow into the hose and gauge when counterchecking the air pressure. This will give the appearance that the shock has less air pressure, your shock may need to be adjusted.

Please also note that the indicators of shock pumps have a tolerance of max. 10%.

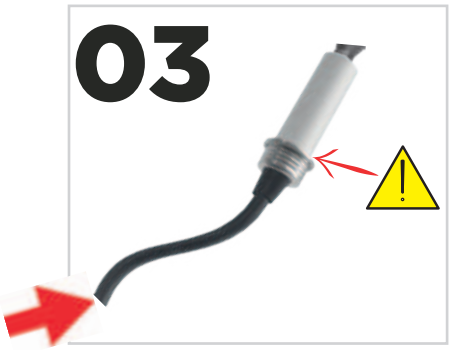
To access the shock first remove the cover.

Please follow the below steps depending on which shock pump type you have.
5 step or second 3 step.

Attach the upper shock pump head to the shock valve, making sure the lower part of the pump head stays in the lower position.

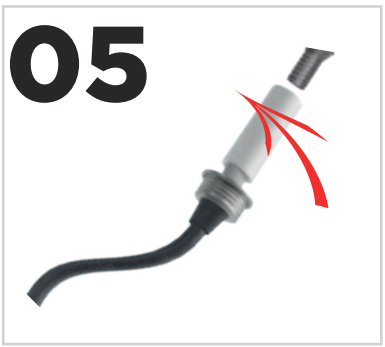
Do not screw upwards together.

Then screw the lower pump head upto the base of the upper shock pump head.




Make sure there is no gap between the two shock pump heads. Then pump the air to the required pressure.

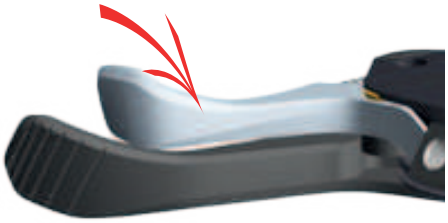
Once the required pressure has been reached, unscrew the lower shock pump head first. Making sure the upper part stays in position.



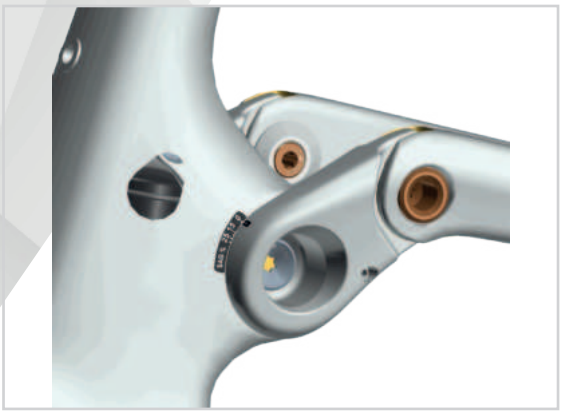

Unscrew the upper shock pump head from the shock valve.

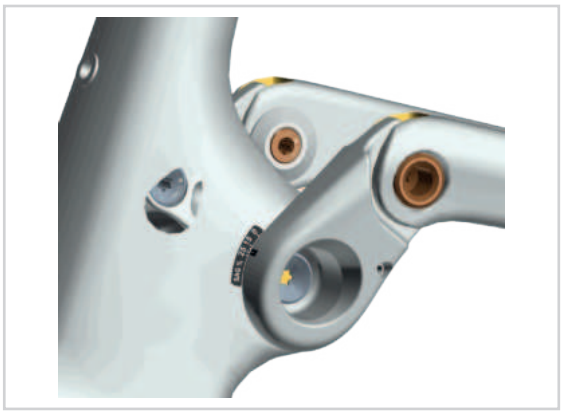
# Sag:

1. Make sure before any adjustment is made that your shock and forks are in the open position. To do this press the twinloc upper silver lever twice.
2. With the shock pump attached to the rear shock valve, pump your desired pressure into the shock. Once the pressure is achieved, remove the pump. Then slowly compress and decompress your shock through 20% of its travel 10 times. This will equalize the positive and negative air chambers, if needed add or reduce pressure and repeat.



3. Once your desired pressure is reached sit on your bike in your usual riding position (in your riding gear: if you carry a bag/Hydration-system put it on,) don't "bounce" the suspension while doing this, use a wall or a friend for support if needed. Do not sit on your bike with the shock pump attached to the bike.
4. Use the markings indicated in the linkage and front triangle to check your sag position. Adjust the pressure as required for your personal sag setting.
5. Recommended Sag is 20% - 25%





# Rebound:

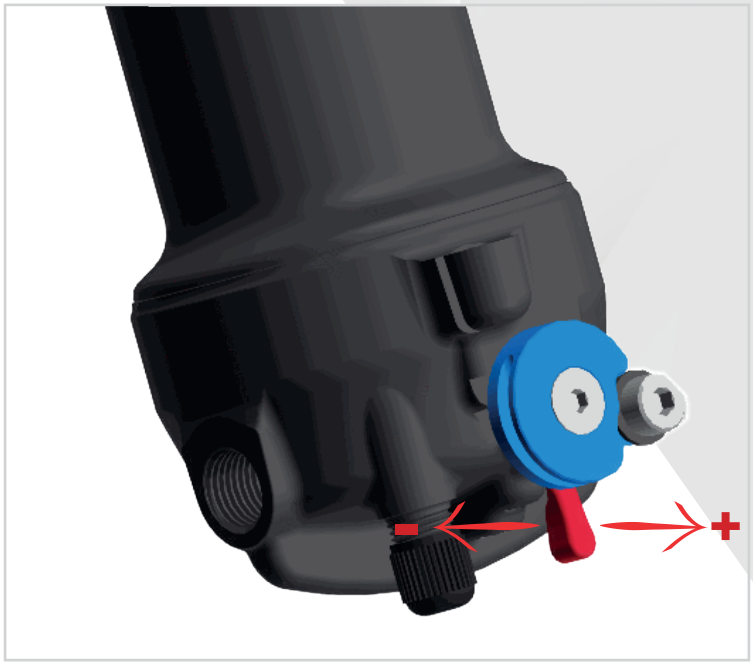
Rebound describes the speed the shock returns back to its original length after absorbing an obstacle, setting of this is very important for the handling and correct function of the bike.

The rebound adjustment lever can be found on the head of the shock.

After the shock pressure/sag is correctly set ride your bike in a safe area with your riding gear/backpack, etc. While remaining in the saddle, ride you bike off a drop/ kerb of about 10-15 cm.

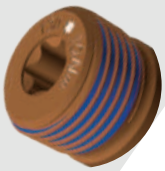
- If it bounces 1-2 times and settles the set-up is good.
- If it bounces more than 3 times the rebound is too fast, turn the knob 1-2 “clicks” clockwise and repeat.
- If there is no bounce the rebound is too slow, turn the knob 1-2 click counter clockwise and repeat.
- Repeat these steps until the desired result is achieved.

Your SCOTT SPARK bike was designed to be used in conjunction with a specific shock and forks, changing the shock or forks on your bike may cause poor/unsafe riding characteristics or damage to frame and components, please consult your SCOTT dealer for any assistance you need, failure to do this may affect your warranty



# SHOCK REMOVAL STEPS:

**Please take note of the info on each bolt:**
**(tool type & size, plus torque)**



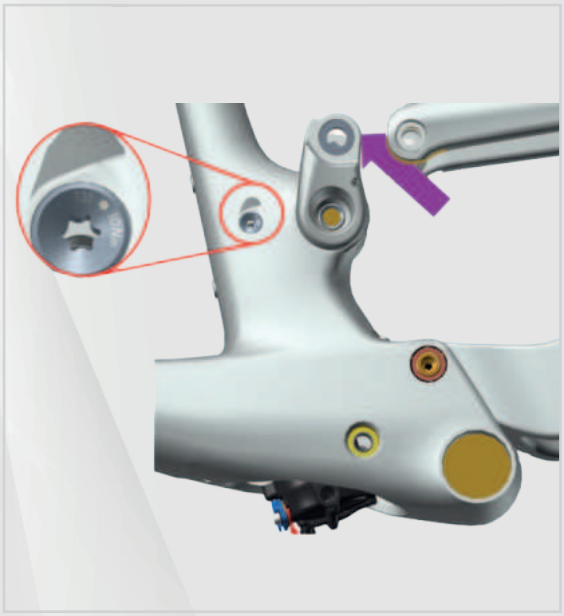
## 01

Please remove the rear wheel and crankset before starting this process.

Disconnect the seatstay / linkage pivot, removing the bearing spacers.

## 02

Remove the lower shock cover.



# 03

Remove the lower shock bolts and disconnect the TC Cable.

# 04

Remove the rubber shock bolt cover. Rotate the linkage upwards until the upper shock bolt is visible in the shock window.

# 05

Remove the shock from the bike.

When re-installing the shock please make sure all bolts are correctly torqued and threadloc is used.

# CABLE ROUTING:

## Rear Derailleur Cable Routing

## Rear Brake Hose Routing

## Dropper Seatpost Routing

## Twinloc Routing

## GUARANTEE ON SCOTT BIKES

**What is covered?**
This warranty covers defects in materials and workmanship at the time of transfer of risks in frames, swingarms and forks (provided it is a SCOTT fork) on SCOTT branded bikes sold completely assembled by SCOTT or an authorized SCOTT dealer (“Product”).

**How long does coverage last?**
This voluntary manufacturer’s warranty is limited to five years for frames and swingarms, respectively two years for forks, from the date of purchase of the Product and is limited to the first purchaser of the Product and subject to the prior registration of your SCOTT bike on www.scott-sports.com within 10 days as of the date of purchase.

Transfer of the Product from the first purchaser to another person terminates this limited warranty.

The limited warranty of five years for the frames and swingarms shall only be granted in a maintenance service has been effected case once a year according to maintenance requirements as set forth in the manual. The effected annual maintenance service shall be confirmed by stamp and signature. In case such an annual maintenance service has not been effected the warranty of five years for the frame shall be reduced to three years. Costs for maintenance and service have to be borne by the owner of the Product.

On Gambler, Voltage Fr and Volt-X the warranty period is limited to two years.

Repaired or replaced Products are covered for the remainder of the original warranty period and subject to the conditions outlined in the original warranty, to the extent permitted by law.

Hereby SCOTT grants a worldwide voluntarily manufacturer’s warranty. To the extent permitted by law and unless a shorter duration is stipulated by law, any warranties implied by law are limited in duration to maximum five, respectively two years, from the date of purchase of the Product and are limited to the first purchaser of the Product.

**What will SCOTT do in the event of a guarantee case?**
SCOTT will replace the defective product with a product of a quality or nature and similar level, will repair or refund the purchase price (after presentation of the proof of purchase of the product), in its sole discretion. Non-defective components are replaced at your expense. In such a case, we will contact you before replacing the non-defective part for your agreement.

**What does this limited warranty not cover?**
This limited warranty does not cover defects which did not exist before the transfer of risks. This limited war- ranty does not cover Products used in rental operations. This limited warranty does not cover purchases of not completely assembled bikes.

This limited warranty does not cover any defect caused by “wear and tear” (a complete list of all parts of “wear and tear” can be found in the manual), accident, neglect, improper handling, colour fade due to exposure to sunlight, abuse, misuse, an act of God, improper assembly, non-compliance with recommended maintenance and care procedures, improper or incorrectly performed maintenance or repairs performed by someone other than an authorized SCOTT dealer, use of parts or devices not consistent with the Product, and

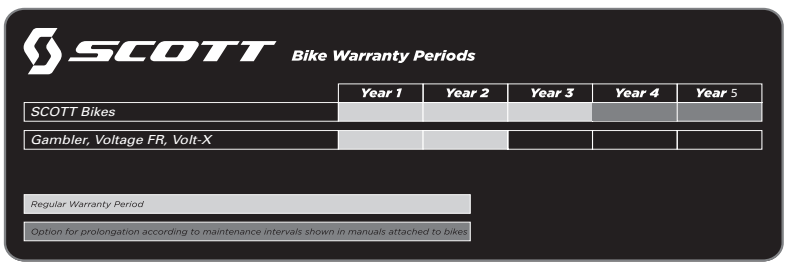
alteration of the Product. All Products come with a manual; please carefully follow the instructions located there or affixed elsewhere to the Product. To the extent permitted by law, consequential and incidental damages are not recoverable under this limited warranty.

**How do you make a claim under this limited warranty?**
To make a claim under this limited warranty, you must notify SCOTT of the claimed defect within the warranty period and timely return the Product to SCOTT at your expense for inspection. Please contact your authorized SCOTT dealer, call SCOTT’s customer service or the national SCOTT distributor (dealer locator: www.scott-sports.com). All returned Products must be accompanied by proof of purchase (receipt) from an authorized SCOTT dealer or this limited warranty will not apply. In case of replacement or refund, the returned Product becomes the property of SCOTT.

A protocol for the handing over of the Product (which you will find at the end of the manual) will remain in copy at the SCOTT dealer after acceptance and signature of the consumer. It is obligatory to show this protocol of handing over together with the defective part in case of a warranty claim given that it provides evidence of purchase or this limited warranty will not apply.

**How do state laws affect your rights under this limited warranty?**
This limited warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

**Recommendation:**
We strongly recommend that you use only authorized SCOTT dealers for yearly maintenance services and for repairs, as improper or incorrectly performed maintenance or repairs voids this limited warranty. Costs for maintenance service have to be borne by the consumer.



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**ILLUSTRATIONS**
Background: Designed by starline / Freepik

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