



SCOTT

BIKE

SCOTT GENIUS LT
USER MANUAL 2016

INNOVATION
TECHNOLOGY
DESIGN

WWW.SCOTT-SPORTS.COM

All rights reserved ©2015 SCOTT Sports SA

Distribution:
SSG (Europe) Distribution Center SA, P.E.D. Zone C1, Rue du Kiell 60, 6790 Aubange, Belgium

v5.1/03082015



WWW.SCOTT-SPORTS.COM

SCOTT Sports SA
Route du Crochet 17, CH-1762 Givisiez
Phone: +41 26 460 16 16 | Fax: +41 26 460 16 00
Email: postmaster@scott-sports.com



The Genius LT should be adjusted exactly to the current rider for reaching maximum safety and fun while riding.

All adjustments should be done at the local SCOTT dealer or following to this manual.

In order to avoid technical problems or any harm please contact in case of doubts your authorized SCOTT dealer.

If a defined tightening torque is indicated in the manual or on the part itself please always use a torque key and respect that maximum indicated to make sure you do not over-tighten bolts and screws.

CONTENTS

Genius LT Concept	04
TC Shock Technology/Twinloc Levers	06
Assembly of the Remote Cable	09
FOX Nude Shock and Twinloc Remote Control Lever	10
Basic Set-Up of the Twinloc Remote Control of FOX Nude Shock	11
Basic Set-Up of the Twinloc Remote Control of Fox CTD Shock	13
Recommended Tools for the Shock Set-Up	13
Set-Up Genius LT With FOX Nude Or FOX CTD Shock	14
SAG	15
Set-Up of Rebound FOX Nude Or FOX CTD Shock	16
Set-Up of Other Shock Models	17
Headset Options	18
Bottom Bracket (BB) on Genius LT	19
Adjustable BB Height	20
Front Derailleur (FD) Mounting Details	21
Chainguide	22
Genius LT Cable Routing	24
Adjustment of Seatpost-Height	27
Replaceable Dropout	28
Rear Disc Brake Mount	28
Front Fork Set-Up/Change of Front Fork	29
Pivot Maintenance	29
Warranty	30

GENIUS LT CONCEPT

The new Genius LT is the result of 2 years of research and development for one of the lightest all-mountain bike frame set available on the market, hitting the scale at below 2550grams (5.60lbs) including the frame, FOX Nude/FOX Float CTD shock and the unique TWINLOC XL remote control.

SCOTT's focus was not only on lightweight but also on a durable and stiff frame with an innovative suspension technology in combination with an optimized kinematics of the rear swingarm.

The combination of an optimized kinematics with an extraordinary suspension technology closes the gap between very light dual suspension trail bikes (e.g. SCOTT Genius) and the new generation of freeride bikes (e.g. SCOTT Voltage FR).

Genius LT was designed for riders looking for a dual suspended all mountain and trail bike offering a maximum rear wheel travel of 170mm.

SCOTT does not see frame and rear shock as single components which are assembled together on a bike, but as a concept with all these components working together and offering an outrageous function by matching perfectly.

The Genius LT Concept is based on a multi-pivot technology.

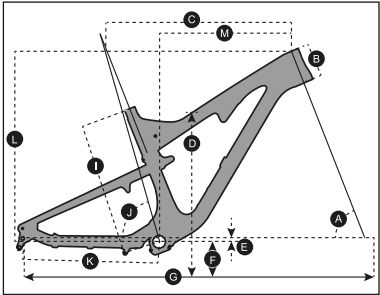
The damping performance was improved in comparison to the already famous “old” Genius LT, and with reworking also the kinematics we were able to reach a better progression in the end of the stroke/travel of the swingarm.

The SCOTT system, using the FOX Nude shock, will allow you to reduce by remote control the rear wheel travel from 170 mm to 136mm including a more progressive spring rate but still offering a supple break away.

Some models of Genius LT use also the FOX CTD shock which offers instead of the Traction Mode a Platform (Ride Mode) in between Climb Mode and Descent Mode.

No power will be lost and an optimum power transfer is guaranteed as the swingarm, in contrary to locked or automatic-locking systems, can follow the trail surface and will offer perfect traction and higher speed while standing on the pedals.

GEOMETRY/TECHNICAL DATA GENIUS LT / PLUS



Travel	170/136/0mm
Suspension Ratio	2.72
Piston stroke	LT: 62.5mm / Plus: 60mm
Shock length (Eye to Eye)	217mm
Hardware Mainframe	22.2mm x 8mm
Hardware Swingarm	22.2mm x 8mm
Seatpost diameter	31.6mm
Headset	semi integr. for tapered 1 1/8-1.5 (44/54.9mm Inner diameter of frame) or with 1 1/8 straight (44.0mm)
Fork travel	LT: 170mm / Plus: 160mm
Fork length	LT: 564mm / Plus: 567mm
BB housing	BB PF 92
Front derailleur	Shimano E-Type/SRAM S3 direct mount
Bearings	2 x IGUS / 6 x 6802 (24 x 15 x 5)

GENIUS LT

	S		S		M		M		L		L	
	LOW BB SETTING	HIGH BB SETTING	LOW BB SETTING	HIGH BB SETTING	LOW BB SETTING	HIGH BB SETTING	LOW BB SETTING	HIGH BB SETTING	LOW BB SETTING	HIGH BB SETTING	LOW BB SETTING	HIGH BB SETTING
A HEAD TUBE ANGLE	66.3 °	66.8 °	66.3 °	66.8 °	66.3 °	66.8 °	66.3 °	66.8 °	66.3 °	66.8 °	66.3 °	66.8 °
B HEAD TUBE LENGTH	100.0 mm 3.9 in	100.0 mm 3.9 in	100.0 mm 3.9 in	100.0 mm 3.9 in	110.0 mm 4.3 in	110.0 mm 4.3 in	120.0 mm 4.7 in	120.0 mm 4.7 in	120.0 mm 4.7 in	120.0 mm 4.7 in	120.0 mm 4.7 in	120.0 mm 4.7 in
C TOP TUBE HORIZONTAL	570.0 mm 22.4 in	568.7 mm 22.4 in	600.0 mm 23.6 in	598.7 mm 23.6 in	625.0 mm 24.6 in	623.6 mm 24.6 in	650.0 mm 25.6 in	648.6 mm 25.6 in	675.0 mm 26.6 in	673.6 mm 26.6 in	699.0 mm 27.6 in	697.6 mm 27.6 in
D STANDOVER HEIGHT	760.6 mm 29.9 in	763.3 mm 30.1 in	758.4 mm 29.9 in	761.3 mm 30.0 in	757.2 mm 29.8 in	760.3 mm 29.9 in	752.0 mm 29.6 in	755.1 mm 29.7 in	748.0 mm 29.4 in	751.1 mm 29.5 in	744.0 mm 29.2 in	747.1 mm 29.3 in
E BB OFFSET	-11.0 mm -0.4 in	-5.2 mm -0.2 in	-11.0 mm -0.4 in	-5.2 mm -0.2 in	-11.0 mm -0.4 in	-5.2 mm -0.2 in	-11.0 mm -0.4 in	-5.2 mm -0.2 in	-11.0 mm -0.4 in	-5.2 mm -0.2 in	-11.0 mm -0.4 in	-5.2 mm -0.2 in
F BB HEIGHT	346.0 mm 13.6 in	351.8 mm 13.9 in	346.0 mm 13.6 in	351.8 mm 13.9 in	346.0 mm 13.6 in	351.8 mm 13.9 in	346.0 mm 13.6 in	351.8 mm 13.9 in	346.0 mm 13.6 in	351.8 mm 13.9 in	346.0 mm 13.6 in	351.8 mm 13.9 in
G WHEEL BASE	1145.0 mm 45.1 in	1144.0 mm 45.0 in	1176.4 mm 46.3 in	1175.4 mm 46.3 in	1202.8 mm 47.4 in	1201.8 mm 47.3 in	1229.2 mm 48.5 in	1228.2 mm 48.4 in	1255.6 mm 49.5 in	1254.6 mm 49.4 in	1282.0 mm 50.5 in	1281.0 mm 50.4 in
H BB CENTER TO TOP TUBE CENTER												
I BB CENTER TO TOP OF SEATTUBE	415.0 mm 16.3 in	415.0 mm 16.3 in	440.0 mm 17.3 in	440.0 mm 17.3 in	475.0 mm 18.7 in	475.0 mm 18.7 in	510.0 mm 20.1 in	510.0 mm 20.1 in	545.0 mm 21.5 in	545.0 mm 21.5 in	580.0 mm 22.9 in	580.0 mm 22.9 in
J SEAT ANGLE	74.0 °	74.5 °	74.0 °	74.5 °	74.0 °	74.5 °	74.0 °	74.5 °	74.0 °	74.5 °	74.0 °	74.5 °
K CHAINSTAY	440.0 mm 17.3 in	438.8 mm 17.3 in	440.0 mm 17.3 in	438.8 mm 17.3 in	440.0 mm 17.3 in	438.8 mm 17.3 in	440.0 mm 17.3 in	438.8 mm 17.3 in	440.0 mm 17.3 in	438.8 mm 17.3 in	440.0 mm 17.3 in	438.8 mm 17.3 in
L REACH	396.6 mm 15.6 in	401.5 mm 15.8 in	424.0 mm 16.7 in	428.9 mm 16.9 in	446.4 mm 17.6 in	451.2 mm 17.8 in	468.9 mm 18.5 in	473.7 mm 18.7 in	491.4 mm 19.4 in	496.2 mm 19.6 in	513.9 mm 20.3 in	518.7 mm 20.5 in
M STACK	604.5 mm 23.8 in	601.2 mm 23.7 in	613.6 mm 24.2 in	610.2 mm 24.0 in	622.8 mm 24.5 in	619.3 mm 24.4 in	635.0 mm 25.0 in	631.5 mm 24.9 in	647.2 mm 25.5 in	643.7 mm 25.4 in	659.4 mm 26.0 in	655.9 mm 25.9 in
N STEM LENGTH	50.0 mm 2.0 in	50.0 mm 2.0 in	50.0 mm 2.0 in	50.0 mm 2.0 in	50.0 mm 2.0 in	50.0 mm 2.0 in	60.0 mm 2.4 in	60.0 mm 2.4 in	60.0 mm 2.4 in	60.0 mm 2.4 in	60.0 mm 2.4 in	60.0 mm 2.4 in

GENIUS LT PLUS

	S		S		M		M		L		L	
	LOW BB SETTING	HIGH BB SETTING	LOW BB SETTING	HIGH BB SETTING	LOW BB SETTING	HIGH BB SETTING	LOW BB SETTING	HIGH BB SETTING	LOW BB SETTING	HIGH BB SETTING	LOW BB SETTING	HIGH BB SETTING
A HEAD TUBE ANGLE	65.8 °	66.3 °	65.8 °	66.3 °	65.8 °	66.3 °	65.8 °	66.3 °	65.8 °	66.3 °	65.8 °	66.3 °
B HEAD TUBE LENGTH	100.0 mm 3.9 in	100.0 mm 3.9 in	110.0 mm 4.3 in	110.0 mm 4.3 in	120.0 mm 4.7 in	120.0 mm 4.7 in	120.0 mm 4.7 in	120.0 mm 4.7 in	120.0 mm 4.7 in	120.0 mm 4.7 in	120.0 mm 4.7 in	120.0 mm 4.7 in
C TOP TUBE HORIZONTAL	570.0 mm 22.4 in	570.0 mm 22.4 in	600.0 mm 23.6 in	600.0 mm 23.6 in	625.0 mm 24.6 in	625.0 mm 24.6 in	650.0 mm 25.6 in	650.0 mm 25.6 in	675.0 mm 26.6 in	675.0 mm 26.6 in	699.0 mm 27.6 in	699.0 mm 27.6 in
D STANDOVER HEIGHT	815.0 mm 32.1 in	818.0 mm 32.2 in	820.0 mm 32.3 in	823.0 mm 32.4 in	832.0 mm 32.8 in	835.0 mm 32.9 in	841.0 mm 33.1 in	844.0 mm 33.2 in	850.0 mm 33.5 in	853.0 mm 33.6 in	859.0 mm 33.9 in	862.0 mm 34.0 in
E BB OFFSET	-20.0 mm -0.8 in	-20.0 mm -0.8 in	-20.0 mm -0.8 in	-20.0 mm -0.8 in	-20.0 mm -0.8 in	-20.0 mm -0.8 in	-20.0 mm -0.8 in	-20.0 mm -0.8 in	-20.0 mm -0.8 in	-20.0 mm -0.8 in	-20.0 mm -0.8 in	-20.0 mm -0.8 in
F BB HEIGHT	345.0 mm 13.6 in	345.0 mm 13.6 in	345.0 mm 13.6 in	345.0 mm 13.6 in	345.0 mm 13.6 in	345.0 mm 13.6 in	345.0 mm 13.6 in	345.0 mm 13.6 in	345.0 mm 13.6 in	345.0 mm 13.6 in	345.0 mm 13.6 in	345.0 mm 13.6 in
G WHEEL BASE	1161.0 mm 45.7 in	1160.0 mm 45.7 in	1192.0 mm 46.9 in	1191.0 mm 46.9 in	1219.0 mm 48.0 in	1218.0 mm 48.0 in	1247.0 mm 49.1 in	1246.0 mm 49.1 in	1275.0 mm 50.2 in	1274.0 mm 50.2 in	1303.0 mm 51.3 in	1302.0 mm 51.3 in
H BB CENTER TO TOP TUBE CENTER	335.0 mm 13.2 in	335.0 mm 13.2 in	335.0 mm 13.2 in	335.0 mm 13.2 in	350.0 mm 13.8 in	350.0 mm 13.8 in	365.0 mm 14.4 in	365.0 mm 14.4 in	380.0 mm 15.0 in	380.0 mm 15.0 in	395.0 mm 15.6 in	395.0 mm 15.6 in
I BB CENTER TO TOP OF SEATTUBE	415.0 mm 16.3 in	415.0 mm 16.3 in	440.0 mm 17.3 in	440.0 mm 17.3 in	475.0 mm 18.7 in	475.0 mm 18.7 in	510.0 mm 20.1 in	510.0 mm 20.1 in	545.0 mm 21.5 in	545.0 mm 21.5 in	580.0 mm 22.9 in	580.0 mm 22.9 in
J SEAT ANGLE	74.0 °	74.5 °	74.0 °	74.5 °	74.0 °	74.5 °	74.0 °	74.5 °	74.0 °	74.5 °	74.0 °	74.5 °
K CHAINSTAY	448.0 mm 17.6 in	448.0 mm 17.6 in	448.0 mm 17.6 in	448.0 mm 17.6 in	448.0 mm 17.6 in	448.0 mm 17.6 in	448.0 mm 17.6 in	448.0 mm 17.6 in	448.0 mm 17.6 in	448.0 mm 17.6 in	448.0 mm 17.6 in	448.0 mm 17.6 in
L REACH	390.0 mm 15.4 in	394.0 mm 15.5 in	417.0 mm 16.4 in	421.0 mm 16.6 in	439.0 mm 17.3 in	443.0 mm 17.4 in	461.0 mm 18.1 in	465.0 mm 18.3 in	483.0 mm 19.0 in	487.0 mm 19.2 in	505.0 mm 19.9 in	509.0 mm 20.0 in
M STACK	608.0 mm 23.9 in	605.0 mm 23.8 in	618.0 mm 24.3 in	615.0 mm 24.2 in	627.0 mm 24.7 in	624.0 mm 24.6 in	639.0 mm 25.2 in	636.0 mm 25.1 in	651.0 mm 25.7 in	648.0 mm 25.6 in	666.0 mm 26.2 in	663.0 mm 26.1 in
N STEM LENGTH	40.0 mm 1.6 in	40.0 mm 1.6 in	50.0 mm 2.0 in	50.0 mm 2.0 in	60.0 mm 2.4 in	60.0 mm 2.4 in	60.0 mm 2.4 in	60.0 mm 2.4 in	60.0 mm 2.4 in	60.0 mm 2.4 in	60.0 mm 2.4 in	60.0 mm 2.4 in

TC SHOCK TECHNOLOGY/TWINLOC LEVERS

The heart of the TC-System is the FOX Nude Shock made by FOX, offering three functions which make this system possible.

The TWINLOC XL remote control lever is the evolution of the already outstanding TRACLOC system of SCOTT.

While TRACLOC allowed only the change on the SCOTT TC rear shocks between the SCOTT patented Lock-out, traction and full-mode on the fly from the handlebar, the TWINLOC allows also the remote control of the front fork to shift between lock-out and open mode at the same time when you change the modes on the SCOTT rear shox.

In combination with FOX 34 CTD forks it is also possible to have a platform mode on the fork.

The 3 modes of CTCD in combination with FOX Nude are:

- Climb Mode : lock-out rear, lock-out front
- Traction Mode: traction mode rear (incl. Geometry change and reduced travel), platform mode front
- Descent Mode: full travel rear (Descent), full travel front

The 3 modes of CTD in combination with the FOX CTD shock are:

- Climb Mode : lock-out rear, lock-out front
- Ride Mode: platform (Ride) mode rear, platform mode front
- Descent Mode: full travel rear (Descent), full travel front

Therefore SCOTT offers 2 different TWINLOC levers with following fork/rear shock combinations:

- FOX Nude with different rolls for FOX CTD fork and RockShox DNA 3 fork (SCOTT Article number: 230097)
- FOX CTD with different rolls for FOX CTD fork and RockShox DNA 3 fork (SCOTT Article number: 230098)

Please note that the FOX CTD rear shock does not offer a traction mode, but a platform mode. In contrary to FOX Nude the air-chamber volume of the positive chamber remains the same throughout the different modes

IMPORTANT!

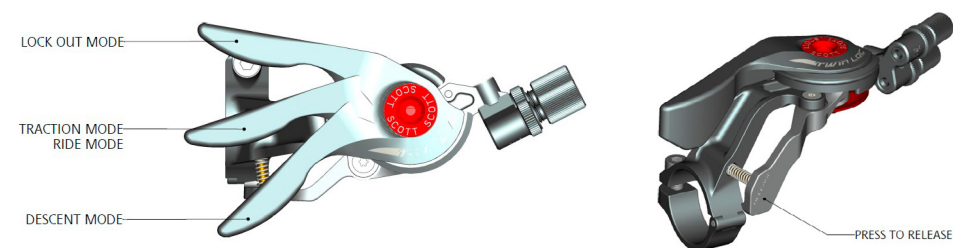
You can only assemble the TWINLOC remote lever in "left side upward position" on the handlebar.

You have 3 positions of the TWINLOC remote lever.

1. LOCK OUT MODE:
the shock is locked; climbing on asphalt roads is now possible without any power loss. Simultaneous a blow-off-system prevents the shock being damaged in case the rider did not open the system while crossing obstacles.
2. TRACTION/RIDE MODE:
For Traction: by reducing the internal chamber volume inside the shock the travel of the shock will be reduced to around 80% (approx. 136mm) the characteristic of the air spring gets harder, the SAG is shorter and the geometry steeper. This results in climbing without "bobbing" and offers still optimum traction of the rear wheel.

For Ride: by adding a platform on the compression damping system the shock will not bounce while standing on the pedals
3. DESCENT MODE:
full travel of 170mm

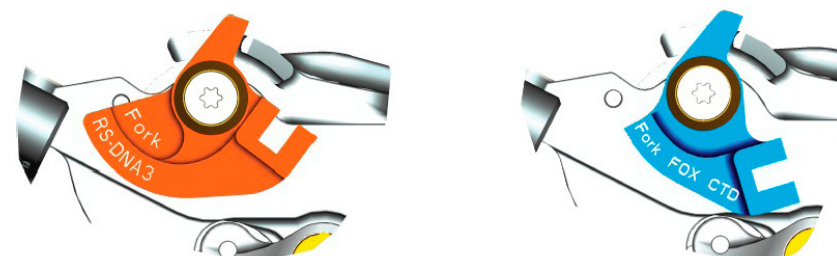
You will find the following positions on the remote lever:



For the assembly of the remote control of the front fork lock-out 2 different cable rolls which are changeable are existing.

The different roll for the pull of the fork remote cable can be changed within few minutes to adapt the lever to your fork model/brand.

You will see on the downside of the roll the indication of the fork brand or the fork model.



SCOTT offers 2 different TWINLOC levers with following fork/rear shock combinations:

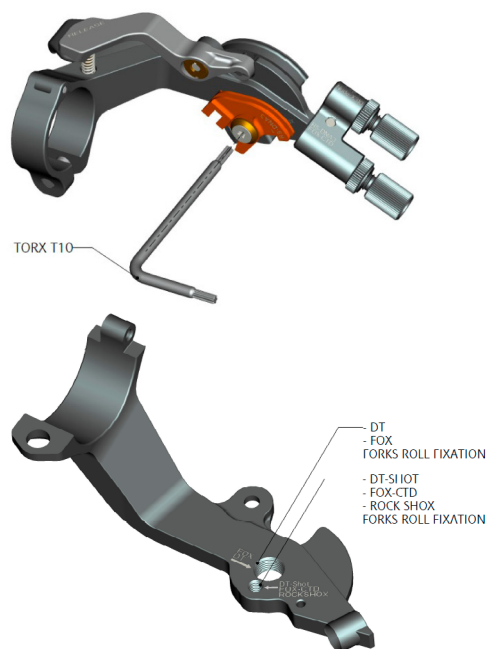
- FOX Nude with different rolls for FOX CTD fork and RockShox DNA 3 fork (SCOTT Article number: 230097)
- FOX CTD with different rolls for FOX CTD fork and RockShox DNA 3 fork (SCOTT Article number: 230098)

Please kindly note that the cable roll of a RockShox DNA3 or FOX CTD fork-lever is not interchangeable with the regular rolls of 2 step forks. You need to use another lever!

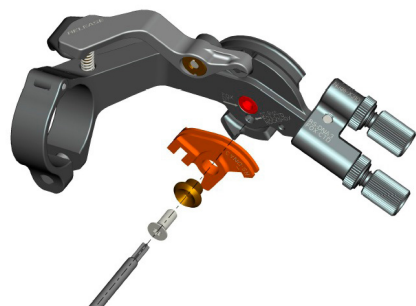
For more details please contact your authorized SCOTT dealer.

To change the rolls to match another fork brand pls follow the drawings below:

ROLL FORK UNMOUNTING



ROLL FORK MOUNTING



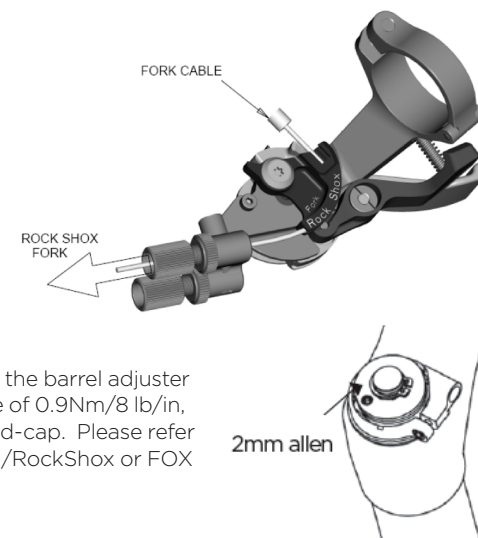
ASSEMBLY OF THE REMOTE CABLE

IMPORTANT!

Please make sure the lockout of SRAM/RockShox or FOX fork is activated after transport correctly. Therefore please compress fork 5-10 times before following the manual on remote cable installation and adjustment.

The lever should show on the downside of the cable roll the brand name of the fork you are going to use. Please do not try to use a RockShox roll with a FOX fork or vice versa.

1. To assemble the cable please bring the lever into the Descent Mode, push the cable into the lever-eyelet as shown on drawing below, push it through the pre-cut cable housing and fix it at the assembly unit on top of the right side of the fork crown.



2. Fix the cable with the 2mm allen screw on the barrel adjuster on the fork crown with a tightening torque of 0.9Nm/8 lb/in, cut the cable and secure it with a cable end-cap. Please refer for this action also to the manual of SRAM/RockShox or FOX attached to the bike.

TIP:

To check for accurate cable tension, please try to move the plastic end cap of the cable housing at the barrel adjuster on the remote lever. There should be "no-play" between cap and barrel adjuster. In case of "play" please turn the barrel adjuster clockwise until "no-play".

FOX NUDE SHOCK AND TWINLOC REMOTE CONTROL LEVER

In the drawing of the shock and remote lever, shown below, you will see the parts indicated with numbers which will be used in the manual for the adjustment and setup.

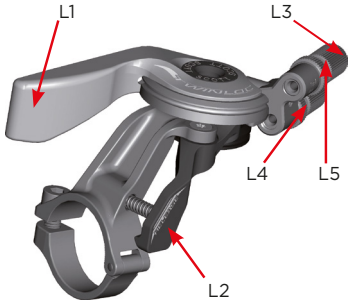


Parts List

S1	Front eyelet/ Shock Bolt
S2	Rear eyelet/ Shock Bolt
S3	Shock Housing
S4	Rebound-Adjuster Knob
S5	Positive Chamber Valve
S6	Remote Control Wheel
S7	Cable Fixing Screw (hidden behind remote wheel)
S8	Shock Piston
S9	SAG Indicator (o-ring on piston)



L1	Remote Lever
L2	Release button
L3	Remote Control Cables
L4	Cable Tension Screw Fork Remote
L5	Cable Tension Screw Shock Remote



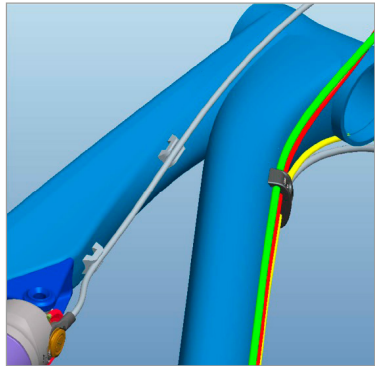
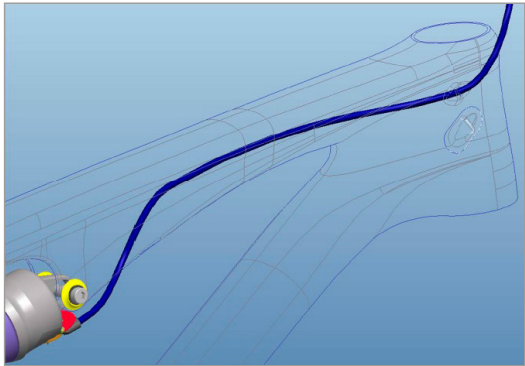
BASIC SET-UP OF THE TWINLOC REMOTE CONTROL OF FOX NUDE SHOCK

To ensure perfect function of the FOX Nude shock it is very important to follow the steps shown below exactly.

On Genius LT Carbon frames you will find an internal cable routing.

Push the inner cable first through the remote lever in the upper cable routing of the lever and then through the cable housing as shown below inside the toptube.

On Genius LT alloy frames a regular outside cable routing, the outer cable housing is fixed on cable mount ports with cable zippers.



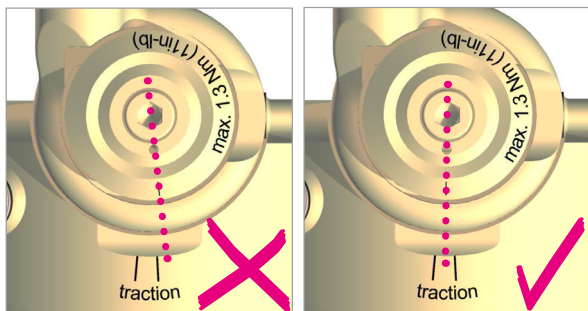
1. loosen the cable fixing screw (S7) by turning it counter clockwise with a 2mm allen key.



2. insert a new cable via lever hole and cable housing and push it into the shock as shown around the remote wheel (S6).



3. tighten the cable and fix the cablefixing screw (S7) by turning it clockwise with a 2mm allen key and a max. tightening torque of 1.6Nm.



4. Check that the handlebar lever is in the traction position. Refer to the following diagrams.



5. cut the cable approx. 20mm away from the remote wheel. Fix it by squeezing it with pliers.



6. push a cable end-cap on the cable until it touches the end of the cable. Fix it by squeezing it with pliers.

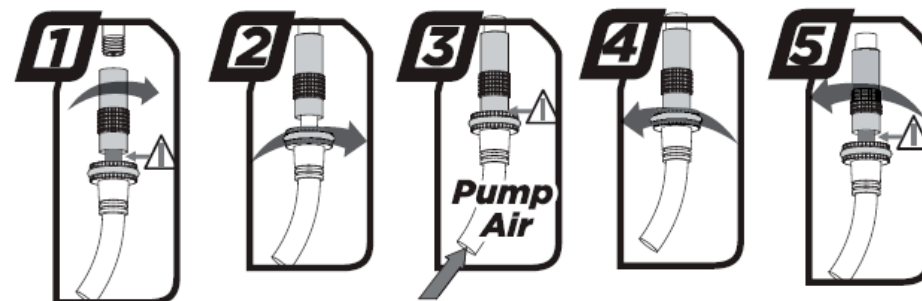
▼ BASIC SET-UP OF THE TWINLOC REMOTE CONTROL OF FOX CTD SHOCK

The assembly of the remote cable and the setup of the FOX CTD rear shock is very similar to the abovementioned assembly and setup of the FOX Nude.

For more details on the FOX CTD please follow the details shown in the manuals of FOX attached to this bike.

▼ RECOMMENDED TOOLS FOR THE SHOCK SET-UP

For the set-up of the shock we recommend to use a shock pump with a scale up to 20 bars/300 psi with a special air valve connector preventing from air getting away while removing the pump from the shock valve, this will result in an exact air pressure.



Please note that air will flow into the hose and indicator when counterchecking the air pressure, so you have to set up again the recommended pressure after this action.

Make sure to balance at least this air loss when you make a check of the air pressure of the shock. Please also note that the indicators of shock pumps have a tolerance of max. 10%.

SET-UP GENIUS LT WITH FOX NUDE OR FOX CTD SHOCK

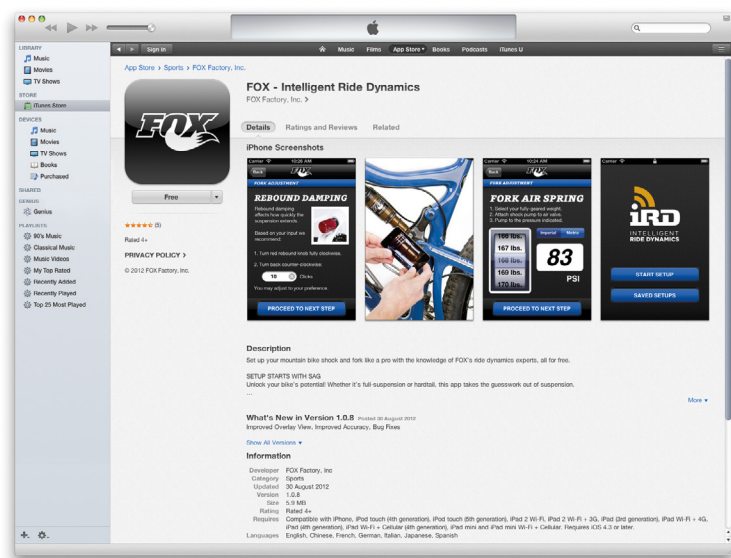
The Set-Up of the FOX Nude or FOX CTD Shock can be easy done within a few minutes.

IMPORTANT!

For all adjustments of the air spring the remote lever has to be in position “all travel”

To adjust the air pressure of the air chamber of the FOX Nude or FOX CTD Shock please refer to the following instruction:

1. Remove the valve cap of the valve (S5) located on the shock housing (S3).
2. Mount the shock pump with its adaptor on the valve
3. Please take into account that it takes some air pressure from inside the shock to drive the indicator on the pump. Make sure to balance at least this air loss when you make a check of the air pressure of the shock. Pls also note that the indicators of shock pumps have a tolerance of max. 10%
4. Please use the FOX iRD App available at the iTunes App store with following link:
<https://itunes.apple.com/us/app/fox-intelligent-ride-dynamics/id549035102?mt=8&ign-mpt=uo%3D4>



5. After downloading the app on your mobile gear please follow the steps shown in the app and inflate the shock according to the air pressure indicated.
6. When you reached the needed pressure remove the pump and put the valve cap on the valve.

SAG

The SAG should be 18mm on the shock piston.

To check the adjustment, please follow as shown below:

1. sit on the bike, put your feet on the pedal
2. put your feet back on the ground and stand over the bike without bouncing the bike during this action
3. check if the o-ring (S9) on the shock piston (S8) has a distance of 18mm to the main dust wiper/seal between shock housing and piston.
 - if the distance between the o-ring and the main dust wiper/seal is 18mm, the air pressure is matching to your weight
 - if the distance between the o-ring and the main dust wiper/seal is less than 18mm, the air pressure of the air chamber is too high and should be carefully reduced by using the bleed knob of the shock pump until the distance is 18mm.
 - if the distance between the main dust wiper/seal is bigger than 18mm the air pressure of the air chamber is too low and should be increased by using the shock pump until the distance is 18mm.

SET-UP OF REBOUND FOX NUDE OR FOX CTD SHOCK

“Rebound” describes the speed the shock comes back to its original length after absorbing an obstacle.

By using the rebound adjuster knob (S4) you can adjust the rebound step by step.



Please refer to the following instruction:

Ride your bike off a pavement (remain in the saddle) and check how many times it bounces.

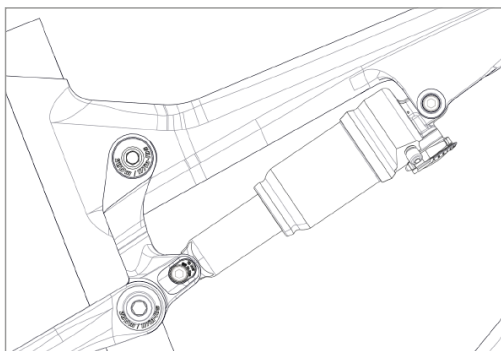
- If it bounces 1-2 times, the set up is good.
- If it bounces more than 3 times the rebound is too fast. Turn the knob 1-2 “clicks” clockwise
- If it does not bounce the rebound is too slow. Turn the knob 1-2 “clicks” counter clockwise.

IMPORTANT!

Note that you have to mount the FOX Nude Shock always as shown below.

Mounting the rear shock in a different position can cause severe damage to the frame, the linkage levers and the rear shock.

Same for the FOX CTD on some of the Genius LT models.



IMPORTANT!

After a dismantlement of the rear shock, both fixing bolts should be tightened with a tightening torque of 10Nm/88in-lbs.

If this is not done correctly the rear shock can be damaged.

SET-UP OF OTHER SHOCK MODELS

SCOTT strongly recommends using only the FOX Nude (FOX CTD shock) with the Genius LT bike, as we designed both parts for a perfect matching combination with a linear suspension rate.

Also on those shock models the SAG should be 18mm.

Other Shock Models on Genius LT

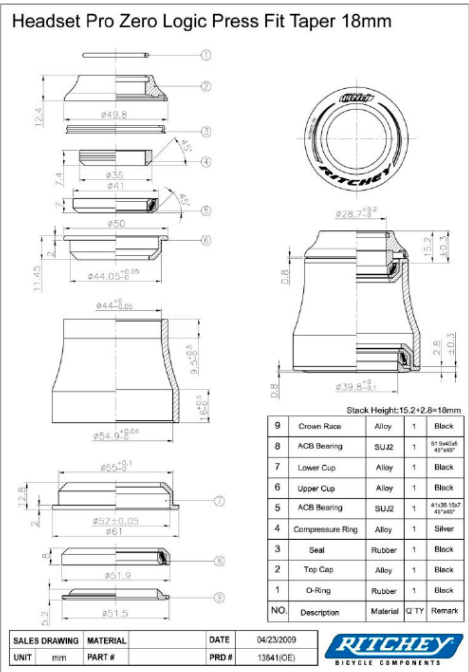
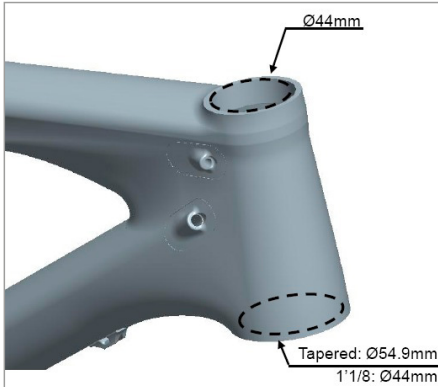
If you want to use a different rear shock model than the one originally on the bike, please make sure that the shock will not in any position hit the frame and cause a damage to the frame.

Please follow the instruction below:

- Please make sure that the rear shock or its accessory parts do not touch the frame when mounting or suspending.
- For doing so release the air/remove the coil, install the shock and compress the shock completely.
- If the shock touches the frame while doing so, do not use this shock in order to avoid damage to frame, swingarm or shock.

HEADSET OPTIONS

Genius LT features a tapered headset and fork steerer system to match with semi-integrated headsets of the “50-61”mm range with ID of Headtube of 44.0mm on top and 54.9mm on the lower end.



Ritchey WCS Carbon Zero Tapered	PF 50-61mm	18mm UD	PRD 13636
Ritchey PRO Tapered	PF 50-61mm	12.9mm	PRD 13640

It is also possible to use forks with a standard 1 1/8" steerer tube when using a reducer headset such as e.g.

Ritchey WCS Carbon Zero Tapered	PF 50-61mm	18mm UD for 1 1/8" fork	PRD 14860
---------------------------------	------------	-------------------------	-----------

BOTTOM BRACKET (BB) ON GENIUS LT

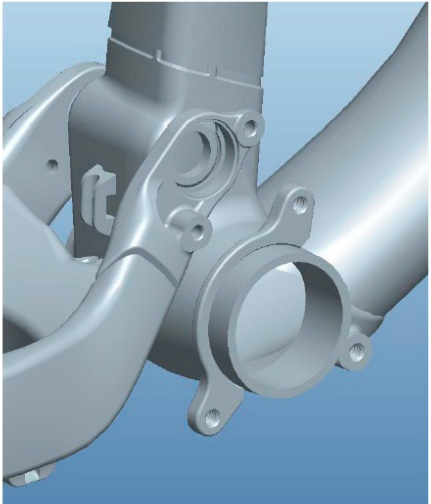
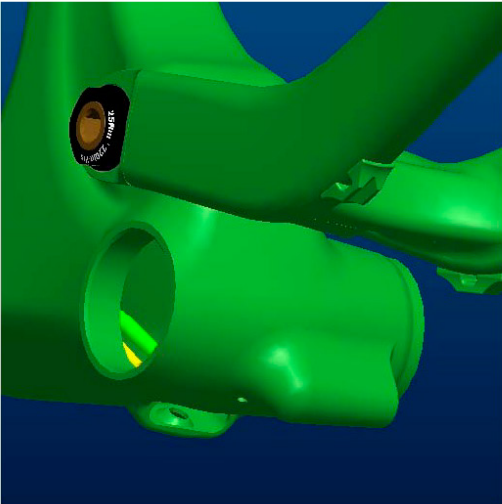
All frames of Genius LT (carbon and alloy) have a BB shell for BB92PF standard. The BB housing has actually a width of 89.5mm.

IMPORTANT!

Please note that you need a 2.5mm spacer on the BB axle or between BB cup and frame on the right side of the BB shell.

BB (carbon frames): PF92 (ID41mm) 89.5mm width (spacer required)

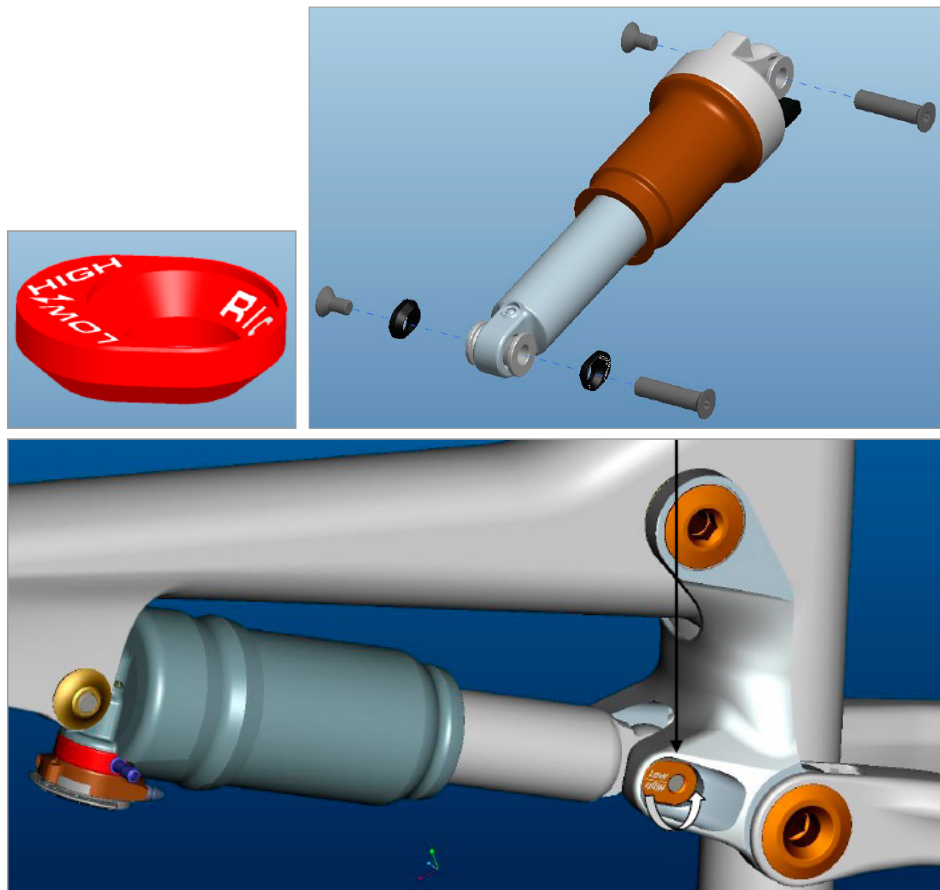
BB (alloy frames): PF92 (ID41mm) 89.5mm width (spacer required)



ADJUSTABLE BB HEIGHT

On Genius LT bikes equipped with the FOX Nude or the FOX CTD shock you can adjust the BB height above ground in 2 positions by flipping a geometry chip located on the linkage bar shock mount.

Only use the appropriate adaptor.



1. low BB for lower center of gravity over ground
2. high BB for bigger clearance between pedals/crankset and obstacles on the ground

IMPORTANT!

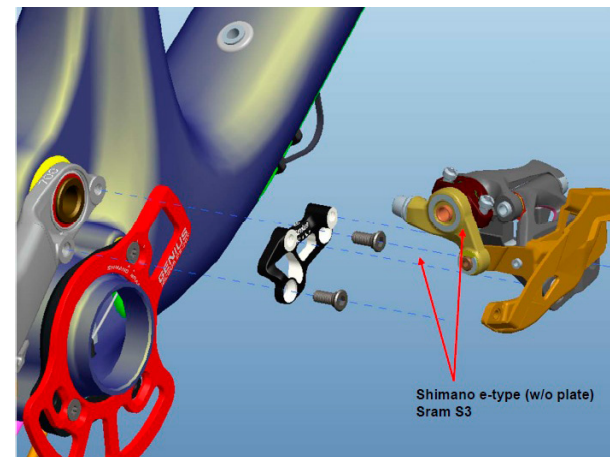
It is not possible to use this geometry chip with other shock models than the FOX Nude or FOX CTD.

The shock might collide with parts of the frame or linkage bar.

FRONT DERAILLEUR (FD) MOUNTING DETAILS

On all Genius LT frames you will find a Shimano E-type front derailleur but fixed directly on the swingarm without the plate that is fixed normally between the bottom bracket bearing cup and the bottom bracket housing of the front triangle or a SRAM Direct Mount Type S3 FD.

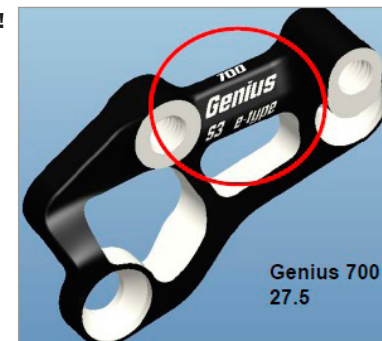
Please note that you always need to use the adapter plate attached to the bike or frame set between chainstay and front derailleur.



This adapter can be ordered at the SCOTT distribution with parts number:

235277 FD mount plate Set Genius LT 700 2014

Please note that the adapter is not interchangeable!



CHAINGUIDE

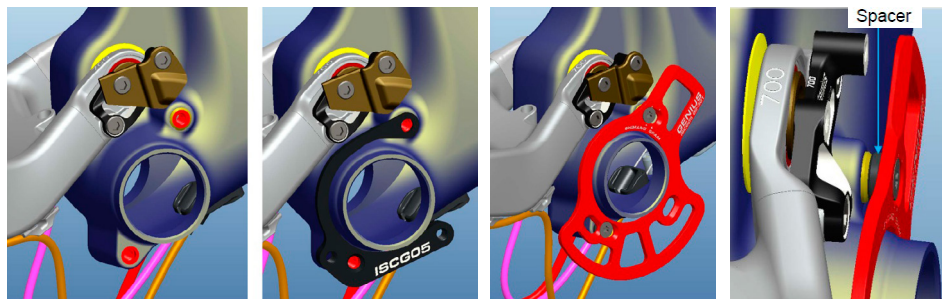
The Carbon as well as the alloy frames of Genius LT can be fitted with ISCG chainguide systems.

A set of all spare parts for this action can be ordered via the SCOTT distribution with:

229730 ISCG adaptor Genius 2013

Details for the assembly on the carbon frames of Genius LT:

The adaptor must be used in order to assemble the chainblocker on the ISCG05 chainguide system.

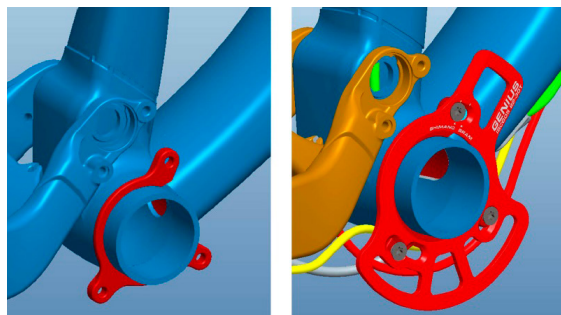


Please note that you need to assemble the chainblocker exactly the way as shown and use all parts of the set.

Please also respect the different assembly positions for SRAM and Shimano front derailleurs

For 2x10 drivetrains you need to use 2x2.5mm washers, for 3x10 drive trains 1x2.5mm washers between adaptor/frame and the chainblocker as shown.

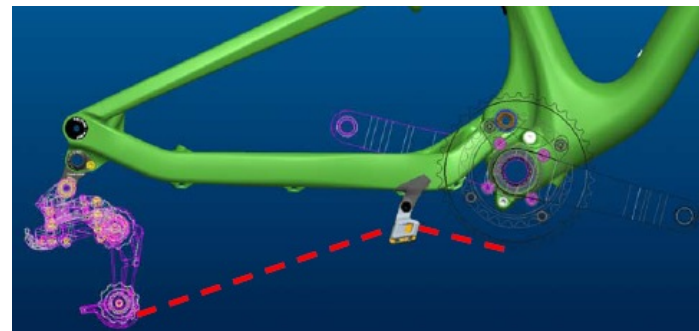
Details for the assembly on the alloy frames of Genius LT:



You can assemble the chainblocker directly on the integrated ISCG05 mount on the BB shell. Please respect the different assembly positions for SRAM and Shimano front derailleurs.

In addition to the chainblocker assembled on the Genius LT you also find a chainguide mounting port below the chainstay.

Both frame options, carbon and alloy, have the same feature.



You can use 2 different versions:

1. single chainring
2. double chainring

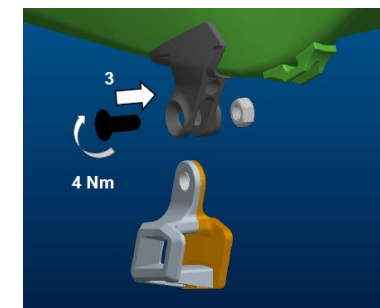
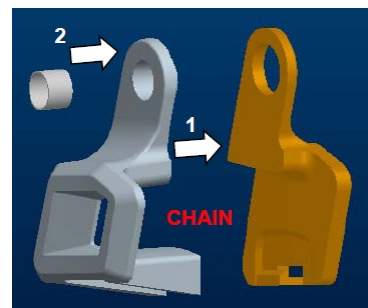
In case the chainguide is once worn out by the chain running through the guide you can order a service kit with article numbers:

235291	Chainguide Genius LT 2014 single Speed
235292	Chainguide Genius LT 2014 double Speed

To assemble the parts please follow following points:

1. insert the chain between the 2 parts of the cage
2. insert the steel tube through the plastic chain guide hole

3. tighten the bolt with maximum 4Nm/35in-lbs



GENIUS LT CABLE ROUTING

The direct and straight cable system on all our full suspension models offers perfect shifting performance combined with lightweight and high resistance against water and dirt.

CARBON FRONT FRAMES

The carbon frames of Genius LT have an internal shifting cable routing with cable stops on the front end of the downtube as shown in the diagram.

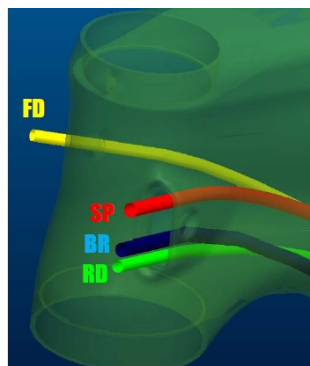
FD: Front derailleur

RD: rear derailleur

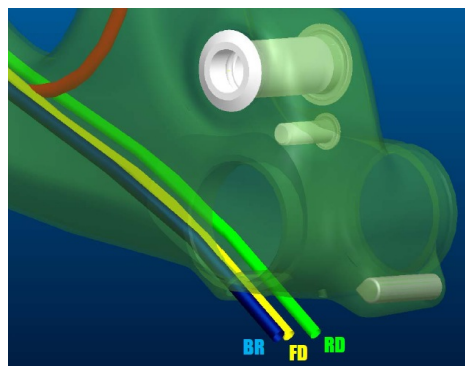
BR: rear brake

SP: seatpost remote

Insert the cables into the headtube as shown:



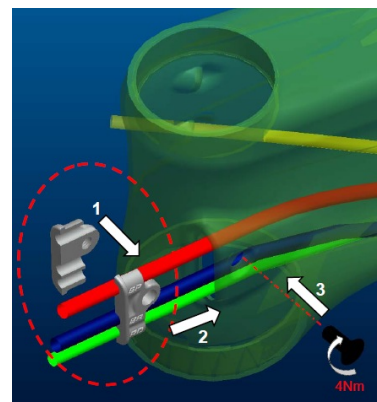
Pull the cables out in the BB area:



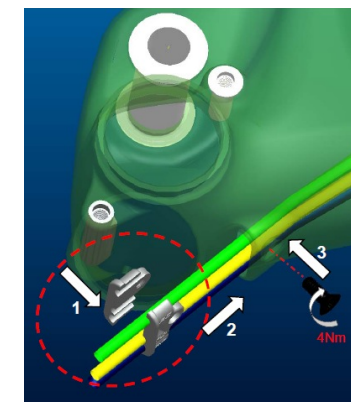
Guide the seatpost remote cable upwards to the seatpost inside the frame (stealth) or pull it out on the rear-side of the seattube.

Push the cable port parts into the frame and fix the port with a 3mm allen key with a maximum torque of 4Nm/35in-lbs

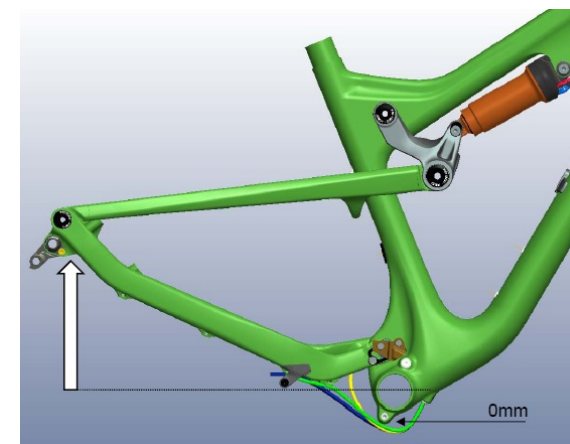
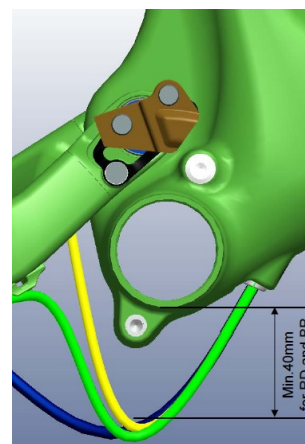
Headtube section:



BB section:



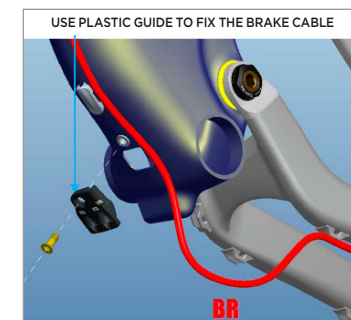
Please make sure to respect the 40mm distance between the cables and the BB (bottom bracket) housing to avoid "ghost-shifting" and/or damages on the shift cables and brake hose.



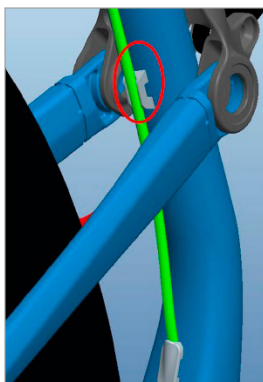
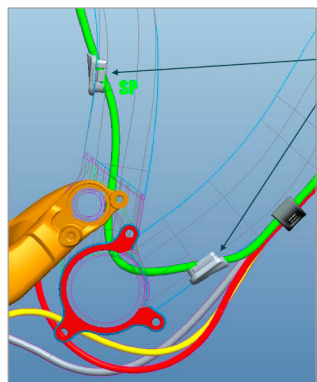
For the rear brake please assemble the cable as shown in the following drawings:

Please keep in mind to have a minimum distance of 40mm between the brake hose and the BB housing as abovementioned!

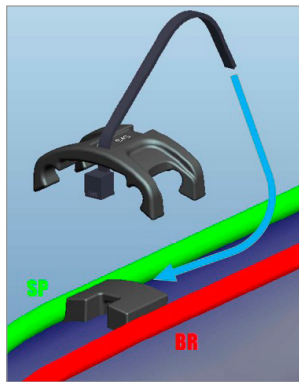
Please fix the brake hose and the remote seatpost cable housing (if applicable) on the frame on the cable mounts with the mount clips by following the routing info as shown:



In order to seal the housing ports on the frame you should use the plugs attached to the bike.



Please secure the clamps with a cable zipper as shown:

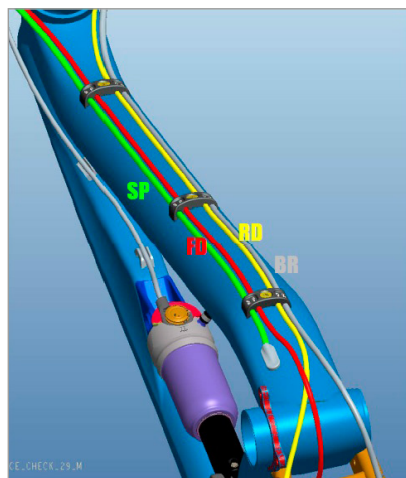


The cable guide can be ordered via the SCOTT distribution with parts number:

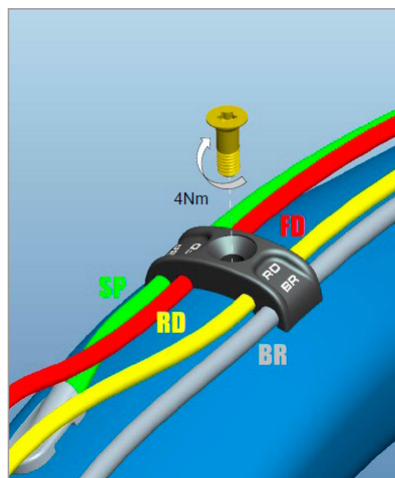
229723 BB Cable Guide Genius (f. Carbon Frame)

ALLOY FRONT FRAMES

Please fix the derailleur cable housings, the brake hose and the remote seatpost cable housing (if applicable) on the frame on the cable mounts with the mount clips by following the routing info as shown below:

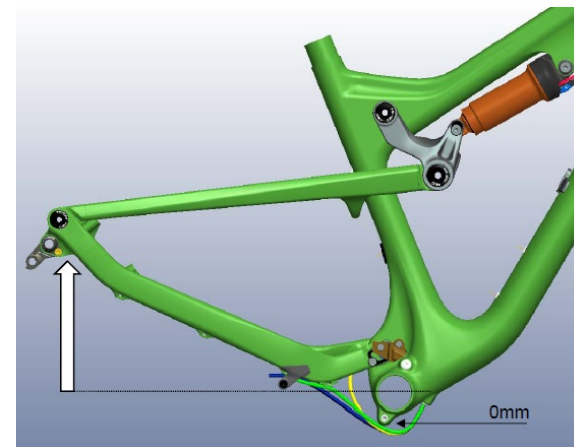
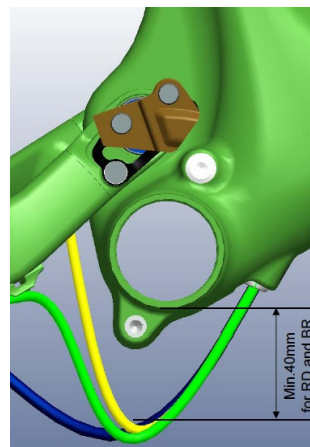


Please secure the clamps with maximum 4Nm/35in-lbs as shown:



IMPORTANT!

Please make sure to respect the 40mm distance between the cables and the BB (bottom bracket) housing to avoid "ghost-shifting" and/or damages on the shift cables and brake hose.



229724 Cable Clamping Set Genius alloy 2013 one size

ADJUSTMENT OF SEATPOST-HEIGHT

IMPORTANT!

The seatpost has to be inserted into the seattube at a minimum of 100mm.

Never use another seatpost diameter than 31.6mm or try to use a shim/reducer between seatpost and frame.

REPLACEABLE DROPOUT

On Genius LT bikes of model year 2013 you can replace the rear derailleur hanger. Depending on the different models you'll find following options:

1. 142mm axle with RWS 142/12

This is available via the SCOTT distribution:

219574	complete set of RWS 142/12
219577	right side replaceable RD hanger

2. 135mm axle with RWS 135/5

This is available via the SCOTT distribution:

219572	complete set of RWS 135/5
219575	right side replaceable RD hanger

3. Regular 135mm rear axle with QR

This is available via the SCOTT distribution:

206473	replaceable hanger
--------	--------------------

If you want to use another RWS standard SCOTT also offers after-market parts for specific wheelsets for the following parts via the SCOTT distribution:

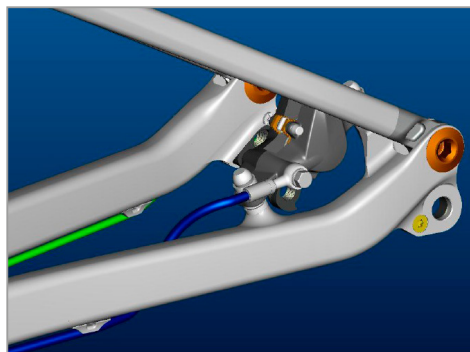
219574	RWS 135/12 parts set
219576	right side replaceable RD hanger

REAR DISC BRAKE MOUNT

Genius LT can be used with 3 different disc rotor sizes on the rear brake.

The rear disc brake on Genius LT is Postmount (PM) Standard on the left seatstay and it is possible to use disc rotors with 180, 185 and 200mm diameter.

Please note that for the assembly of 185 and 200mm rotors you might need adapters/ washers between the PM port on the frame and the brake calliper.



For 185mm rotor diameter you will need 2 red anodized spacers that can be ordered via the SCOTT distribution with:

219568	Brake Mount Adapt.Spacers 4mm f/185mm
--------	---------------------------------------

For the 200mm rotors please use for: SRAM/Avid: "+20mm" adapter
Shimano: F180PP2

FRONT FORK SET-UP/CHANGE OF FRONT FORK

For the set up of the front fork please use the fork specific manual attached to the bike.

We recommend using front forks with a travel of 170mm (700) and 160mm (Plus) as this will not influence the geometry and alter handling of the bike.

For details on the technical length of the recommended forks please refer to the Tech Info Chart before mentioned.

PIVOT MAINTENANCE

The pivot and bearings on SCOTT Genius LT are extremely easy to maintain.

An external treatment with a grease spray after every bike wash is all you have to do. We do not recommend heavy grease sprays since these will leave a film on the parts which is difficult to remove. We recommend the same for the chain also.

If you have to change the bearings you can order them included in a service kit at your local SCOTT dealer or buy them with international parts number as shown above in the specs list in a hardware store.

In case of a change of the bearings or of the rear swingarm you should contact your local SCOTT dealer as you need special tools for disassembly and assembly.

WARRANTY

Model

Year

Size

Frame Nr.

Shock Nr.

Date of purchase

WARRANTY

SCOTT bikes are made using the most innovative production and quality methods. They are equipped with best components of well known parts suppliers.

Doing so SCOTT warrants its frames and swingarms for five years (subject to compliance with maintenance ranges, see below) and SCOTT forks (provided it is a fork of SCOTT) for two years for defects in material and/or workmanship in case of purchase of completely assembled bikes.

This warranty of 5 years for the frames shall only be granted in case once a year a maintenance service has been effected according to maintenance requirements as set forth in this manual by an authorised SCOTT dealer.

The authorised SCOTT dealer shall confirm the effected annual maintenance service by stamp and signature.

In case such an annual maintenance service has not been effected the warranty of 5 years for the frame shall be reduced to 3 years.

Costs for maintenance and service have to be born by the owner of the SCOTT bike.

On Gambler, Voltage Fr and Volt-X the warranty period is limited to 2 years.

The warranty period starts at the day of purchase. This warranty is limited to the first buyer, what means the first person who uses the bike and only with the use it was made for. Furthermore, this warranty is limited to purchases via authorized SCOTT-dealers

The warranty is solely granted in case of purchase of a completely assembled bike to the explicit exclusion of purchases of not completely assembled bikes.

In case of a warranty claim the decision to repair or to replace the defective part is up to SCOTT. Non defective parts will only be replaced at the guarantee's own expense.

Fair wear and tear is not covered by the warranty.

A complete list of all parts of wear and tear can be found in the next chapter of this manual.

In addition, you will find at the end of this manual a protocol for the handing over of the bike which 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. Otherwise no warranty is granted.

In principle, this warranty is granted worldwide. Claims must be made through an authorized dealer, for information regarding the nearest dealer, write or call this company or the national SCOTT distributor.

Normal wear, accident, neglect, abuse, improper assembly, improper maintenance by other than an authorized dealer or use of parts or devices not consistent with the use originally intended for the bicycle as sold are not covered by this warranty.

Hereby SCOTT grants a voluntarily manufacturer's warranty. Additional entitlements according to national warrant of merchantability are reserved.

For warranty info on the Fox Nude shock please refer to the attached manual of Fox Nude.