Liteville

Light your fire.

MANUAL

301 Mk14

Compatibilities, Assembly & Maintenance

REGISTRATION & WARRANTY

In order for us to help you efficiently in case of an accident (with a repair, a warranty case or a general service) you should register your bike. This way, you also automatically extend the warranty of your Liteville to
10 years.

Please find our entire warranty policy and information on the registration in the warranty & voucher leaflet attached.

Further information on your Liteville can be found here:
http://www.liteville.com/en/72/faq-support/general/

Please find the latest updates of your 301 manual here:
http://www.liteville.com/en/77/faq-support/manuals/

A. DELIVERY CONTENTS

- 1 **1pcs.** Liteville Bicycle user manual
- 2 **1pcs.** polish pad WorksFinish frames
- 3 **1 pcs.** RockShox manual
- 4 **1 pcs.** Liteville 301 sticker WorksFinish frames #130050
- 5 **1pcs.** VarioSpin top cap
- 6 **1pcs.** baseplate cone 1.5 #127159
- 7 **1pcs.** topplate cone 1 1/8 #127166
- 8 **3pcs.** cable inlet double #127517
- 9 **3pcs.** screw cable inlet #127487
- 10 **2pcs.** cable inlet closed #127494
- 11 **2pcs.** cable inlet single #127500
- 12 **1pcs.** cable pulley assembly tool
- 13 **1pcs.** cable tie 140x3,6 mm
- 14 **2pcs.** cable tie 92x2.4 mm
- 15 **1pcs.** derailleur hanger Typ3 Std #128118
- 16 **3 pcs.** foam tube #141209

B. USAGE AS INTENDED

There is no restrictions for your Liteville 301 Mk14 frame as to the maximum rider weight or the range of usage of the bike, however you need to assure that all components are compatible with the frame and that they are mounted according to the manufacturers' manuals.

Additional components such as electric motors may only be mounted after they have been approved by Syntace or Liteville.

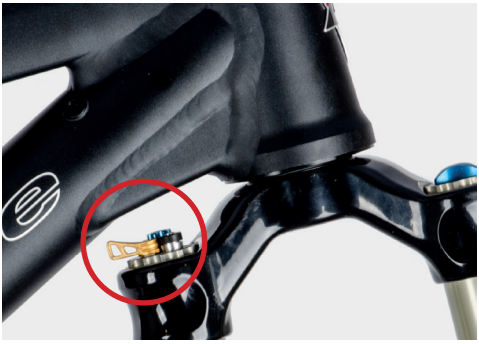
C. COMPATIBILITIES

1. Suspension Forks

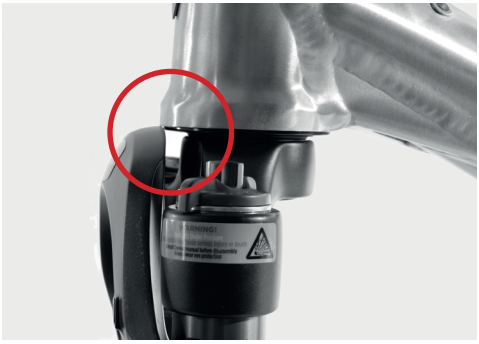
Suspension forks may be mounted with a maximum insert length of 572 mm. Double crown forks must not be mounted.

The same counts for Boost- and B+ forks with a maximum insert length of 572 mm.

Make sure that the fork – when fully compressed – does neither interfere with the steering tube nor with the down tube.



Picture: Clearance down tube



Picture: Clearance steering tube

2. Damper

The 301 Mk14 comes with the following dampers:

- Frame lengths XS & S:
  RockShox Deluxe RT3 185 x 55 mm
  DB 1T LL S320 Trunnion
- Frame lengths M - XXL:
  RockShox Deluxe RT3 205 x 65 mm
  DB 1T LL S320 Trunnion

The front end of the damper is equipped with a needle bearing as standard.

The installation dimension for the rear damper socket is 54 mm Trunnion.

The installation dimension for the front damper socket is 25 x 8 mm.

ADVICE: The 301 frame features special kinematics that do not harmonize ideally with all dampers available on the market. In order to achieve an ultimate damper setup, our dampers are adapted accordingly.

Professional and particularly competitive riders will be able to order an optional RockShox or Fox damper.
Find further information at www.liteville.de

The maximum air pressure for the main damper cartridge of the RockShox Deluxe RT3 damper is 325 PSI (approx. 22 bar). Please use suitable damper air pumps only.

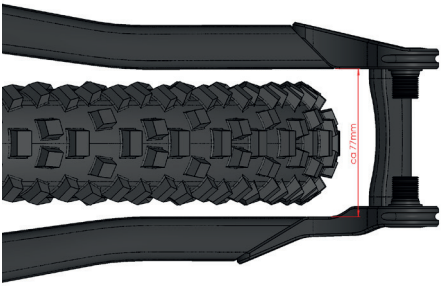
NOTE: The RockShox Deluxe damper of a Liteville frame features a special adjustment lever. The original RockShox adjustment lever must not be used since it would interfere with the seat tube when in the position “lock”. When different dampers are mounted, the clearance throughout the entire damper travel is to be rechecked in advance.

3. Wheel size

Depending on the frame length, your Liteville 301 is compatible with different wheel sizes:

- frame length **XS**: 26“ (27,5“ is possible only with a limited tire width)
- frame lengths **S, M, L, XL**: 27,5“
- frame length **XXL**: 29“

4. Tire width



At the chain stay, the 301 Mk14 leaves a clearance of about 77 mm, which results in the following tire width recommendations:

- frame length **XS**:
  26“ up to 2,5“ width (27,5“ leads to a limited width of about 2.35“)
- frame lengths **S, M, L, XL**:
  27,5“ up to 2.6“ width
- frame length **XXL**:
  29“ up to 2.4“ width

Using different tire widths, make sure that the tire may touch the seat tube only slightly when the damper is fully compressed. This also varies depending on the tire pressure. Also mind the restrictions as declared by the fork manufacturer.

ADVICE: In case the tire touches the seat tube slightly, this does not result in anything but minimal scratches on the frame and is nothing to be worried about. However, please also mind the restrictions as declared by the fork manufacturer.

5. Hub installation measurements

The Liteville frame is compatible with all rear hubs with the 148 x 12 mm axle standard. We recommend not to use adapter solutions.

ADVICE: The Liteville 301 is designed with the EVO6 rear frame standard. An EVO6 rear wheel, in comparison to a Boost 148 mm rear wheel, features a different spoke pattern that allows for a fully symmetrical and thus more stable rear wheel thanks to identical spoke tensions on both sides.

6. X-12 through axle

The Liteville 301 Mk14 is designed with the X-12 through axle design with a width of 148 mm. The thread pitch is M12 x 1 mm. The Syntace X-12 through axle design – as the only solution on the market – allows for the toe adjustment and thus for an even more precise production of the frame.

The clamp thread (Allen Key, 5 mm) in the right-hand end of the construction is meant exclusively for the fixation of the rear derailleur hanger as well as for the axle insert. It does not have to be opened when the axle or the rear wheel is removed.

ADVICE: The axle insert is adapted individually to your frame and marked respectively. The 0.5 mm or 1.0 mm insert is aligned correctly if the notch of the clamping system and the one of the dropout is parallel.

The picture displays the insert and the clamping notch aligned correctly.

7. Bottom bracket / crankset

The bottom bracket shell of the Liteville 301 Mk14 measures 73 mm and fits common BSA bottom brackets. ISCG adapter solutions can not be mounted. The 301 frame is designed for one- and two-speed Boost cranksets with a minimum Q-factor of 167 mm. 3-speed cranksets can not be mounted.

NOTE: Mounting a SRAM DUB bottom bracket, you will need the ParkTool BBT-79.

For other cranksets, please mind the clearance between the crankset and the frame. Find further information in the chapter "Bottom bracket / crankset / front and rear derailleur".

Picture shows Boost SRAM

Picture shows Boost Shimano

CHAIN LINE:
SRAM 1- and 2-speed: 52 mm
Shimano 1-speed: 53,4 mm
Shimano 2-speed: 51,8 mm

CHAIN RING SIZES:
SRAM 1-speed: 26 to 40 teeth
Shimano 1-speed: 30 to 34 teeth
Shimano 2-speed: 24 to 38 teeth

8. Drivetrain

The Liteville 301 Mk14 frame is designed for one- and two-speed drivetrains.

9. Rear derailleur hanger and rear derailleur

The 301 Mk14 comes with the rear derailleur hanger "Type 3" with two different options. Both the Standard and the Direct Mount versions are included.

Type 3 Standard rear derailleur hanger for Shimano Shadow and Sram

Type 3 Shimano Direct Mount rear derailleur

SRAM rear derailleurs are to be mounted with the Type 3 Standard rear derailleur hanger.

10. Front derailleur

The frame is built in a way that only low Direct Mount two-speed front derailleurs with "front pull" designs can be mounted.

EXAMPLES:
Shimano XT: I-FDM8020E6X
Shimano XTR: I-FDM9020E6X
SRAM: FD GX LD 2X11 FRONT PULL

11. Shift cable housing

Use nothing but shift cable housings with an outer diameter of 4 mm such as Shimano SIS-SP41.

12. Brakes

Your Liteville 301 Mk14 is designed exclusively for disc brakes.

The frame features a 7"-Postmount socket for the rear brake. For 180 mm discs, the brake can be mounted directly without an additional adapter. Disc diameters may vary between a minimum of 180 mm and a maximum of 203 mm.

13. Seatpost

The inner diameter for all Liteville seat tubes is 34.9 mm. The Mk14 is prepared for the usage of an Eightpins variable seatpost. Conventional seatposts with inner cable routings can be mounted, too.

NOTE: The geometry of the 301 Mk14 requires seatposts with a -26 mm seat offset. In case a seatpost without a setback, the seat angle and the top tube length are altered.

In order to avoid frame damages, the following minimum insert lengths need to be considered:

Up to 200 mm above seat clamp:
minimum insert = 120 mm
More than 200 mm above seat clamp:
minimum insert = 140 mm

he length is measured from the seat clamp to the top end of the seat cover.

14. Seatpost reduction shims

Using reduction shims, the minimum insert length is still to be minded.

ADVICE: In case of doubt, choose the longer reduction shim and mind both the compatibility and the quality of it (for example Art. #113299 Syntace Post Shim Light 31.6 Art. #114203 Syntace Post Shim 30.9).

NOTE: In case the minimum insert length of 120 mm or 140 mm can not be realized, the PostShim 30.9 (Art. #114203) is to be used. This is the only way the minimum insert length can be reduced to 90 mm.

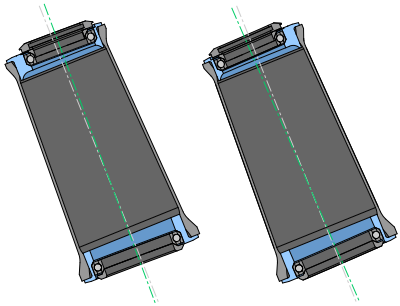
15. Seat post clamp

If you mount a conventional seatpost or common variable seatpost other than Eightpins, we recommend you to use a Syntace SuperLock2 or MicroLock38 seat clamp. In case you want to use a different seat post clamp, it is to fit the outer seat tube diameter of 38 mm and must not interfere with the linkage bar of the damper system when it is fully compressed. In order to reaffirm this, deflate the damper entirely and move the rear frame triangle upwards.

16. Headset

The Liteville 301 Mk14 comes with a 0° Syntace VarioSpin headset as standard. In order to adapt the frame to the rider's individual requirements, one can mount +/- 1.5° bearing shells as an option. The latter are displayed in blue.

Steering tube angle +1,5° Steering tube angle -1,5°



XS	S	M	L	XL	XXL
cup set 2	cup set 2	cup set 3	cup set 4	cup set 6	cup set 3
Art.No. 114944	Art.No. 114944	Art.No. 114890	Art.No. 114906	Art.No. 114920	Art.No. 114890

Find an instruction video here:
https://www.youtube.com/watch?v=NpAF1IG7fuw

D. ASSEMBLY

1. Frame preparation

The contact surfaces (bottom bracket, disc brake socket, seat tube) are fully prepared for the assembly. In case you face problems during the assembly, please directly contact Syntace.

NOTE: The seat tube is manufactured particularly accurately for the Eightpins variable seatpost with very small tolerances only. This is why it must not be changed in any way.

NOTE: In case the frame is painted or anodized after the purchase, make sure that the inner diameter of the seat tube remains the same for the entire 140 mm insert length.

2. Seatpost / seat

The 301 Mk14 is designed for variable seatposts with internal cable routing. The assembly is simplified thanks to the ServicePort at the lower end of the down tube close to the bottom bracket.

Please refer to the extra manual of Eightpins that exemplifies the assembly process with a Liteville 301 Mk14.
http://www.eightpins.at/service-einbau/

NOTE: The standard Eightpins variable seatpost interface (Postpin) at the seat tube is adapted already and does not need to be changed.

Using a common seatpost, the frequent changing of the seat height leads to a certain wear of the seatpost and the seat tube. For carbon fiber seatposts, this wear is considerably higher than for Aluminum seatposts. In order to minimize the wear, please clean the seatpost and seat clamp after every ride in the rain. The diameter of the seatpost must never become less than 34.7 mm at any point. If this is the case, please exchange the seatpost as it might result in damages of the frame.

3. Headset / fork

The frame comes with nothing but the cone and the cover cap for tapered fork steer tubes (see picture).

ADVICE: Reduction kit for 1 1/8"-fork steer tube: Syntace Art.# 14593

Make sure all parts of the headset, including the bearings, are greased before the assembly. Put the bigger (1,5") cone on the fork, which is to lay evenly on the fork crown. The fork can now be inserted into the frame before the smaller (1 1/8") cone is put on the fork steer tube. Installing the cover cap is the last step of the headset assembly.

ADVICE: Using a Syntace MegaSpacer, a silver 0.6 mm washer needs to be added between the SuperSpin cover cap and the MegaSpacer. The washer is included in the MegaSpacer package or can be ordered separately as a spare part at Syntace.

ADVICE: Tighten the adjustment screw of the Ahead star nut hand-tight. Loosen it again thereafter with about ¾ revolutions and only in the next, last step adjust the bearing play of the headset bearing. Following this procedure, you make sure that the bearings sit evenly in the bearing shells. The result should be that the fork can be turned easily without any bearing play. It may be necessary to repeat the process after the first ride.

4. Handlebar / stem

Mount and adjust the handlebar and stem according to the Syntace manual.

5. Shift and brake levers

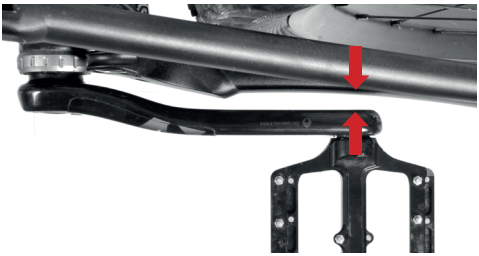
Mount and adjust the shift and brake levers according to the manufacturers' manuals.

ADVICE: Tighten the screws of the brake and shift levers only so much that they can still turn in case of a crash. This might avoid a lever to brake apart and additionally protects the thin walls of your handlebar.

6. Bottom bracket / crankset / front and rear derailleur

Mount the two bearing shells and the crankset according to the manufacturer's manual and do not forget to grease the system thoroughly.

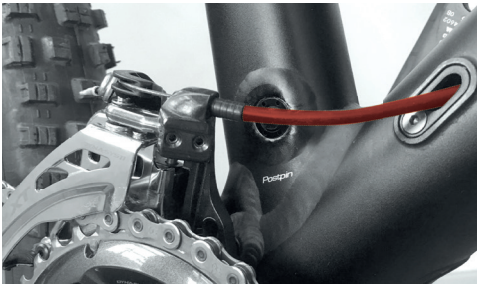
NOTE: Mind the clearance between the crank arm and the chain stay as well as between the right-hand crank arm and the Syntace SCS chain guide.



Picture displays the clearance between the chain stay and the crank arm

- Mount the low Direct Mount front derailleur at the intended socket.
- Mounting Shimano front derailleurs, use two raised countersunk head screws (M5 x 10 mm / TX25 / ISO 7380). The Shimano derailleur comes with the two screws as standard or can be ordered at Syntace (Art. #140882). For SRAM front derailleurs, only one of these screws is needed.
- Make sure that the guide plate of the front derailleur is parallel with the big chain ring.

NOTE: Please mind the different cable routing options of front derailleurs offered. The Liteville 301 Mk14 is compatible with front pull design solutions only.



Picture shows: Shimano side swing front derailleur

- Mount and adjust the rear derailleur according to the manufacturer's manual with a suitable rear derailleur hanger (Direct Mount/ Standard).

7. ServicePort

At the lower end of the down tube, you will find the ServicePort with which the assembly of the bike including the internal cables is simplified.

Opening the ServicePort:

- Fixate the frame and open the ServicePort screw with about 3.5 counterclockwise revolutions.
- Open the ServicePort towards the front making usage of an Allen key.
- You may now take the ServicePort out of the frame.

Closing the ServicePort:

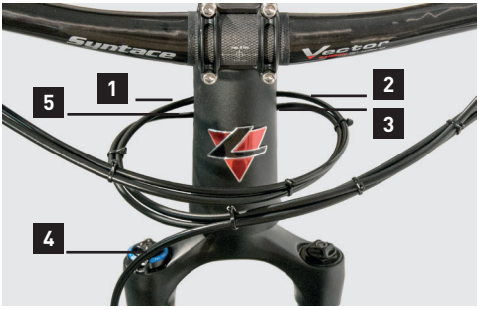
- Follow the procedure above in the opposite directions.

8. Cable routing

NOTE: For the cable routing, we recommend to use the Park Tool "Internal Cable routing kit" IR-1.2 or the RockShox Barb Connector SRAM article # 00.6815.066.030

The picture displays the 1 Park Tool ...,the 2 cable pulley assembly tool and the 3 RockShox Barb Connector

The frame comes with a cable deflection pulley in each chain stay that allows for a cable routing free of friction resistance between the chain stay and the rear dropout. The package includes an assembly tool in case the deflection pulley is to be demounted (Pos. 11).



Picture displays exemplified 2 x 11 drivetrain, brake and variable seatpost housing.

1 Variable seatpost
2 Rear derailleur
3 Rear brake
4 Front brake
5 Front derailleur (side swing)

9. Cable routing front derailleur

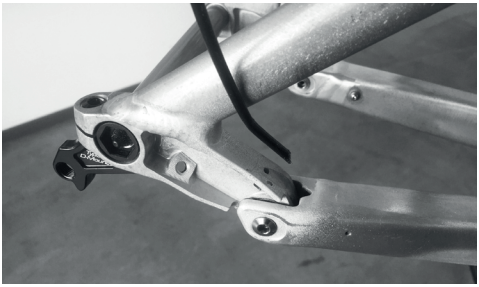
- Insert the cable in the right-hand opening of the frame and push it all the way to the ServicePort.
- In the next step, push it through one of the foam tubes and pull it back slightly before pulling the cable housing out of the front derailleur cable opening of the frame.

- Mount the cable inlets (Pos. 10, 11) on both sides. On the side of the front derailleur, use a "cable inlet single" if you do not ride with a variable seatpost, or a "cable inlet double" in case you do.
- Attach the lower end of the cable housing to the front derailleur.

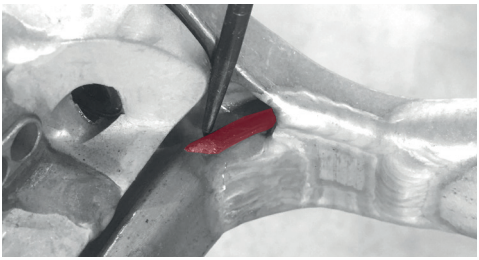
10. Cable routing rear derailleur

The housing of the rear derailleur has been inserted into the frame already.

- Guide the rear end of the housing to the rear derailleur and attach it to the intended socket at the Horstlink using a cable tie (Pos. 14).

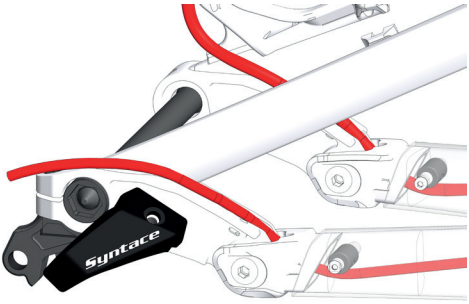


- Cut the new cable housing at a 45° angle and slightly fold it. Thereafter, insert the new cable housing above the Horstlink at the rear end of the chain stay.



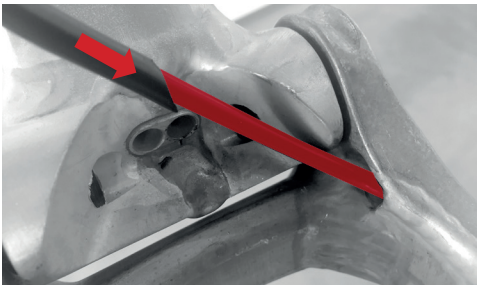
11. Exchanging the housing of the rear derailleur

- Remove the old housing, the PE tube between the chain stay and the main frame and the foam tube.



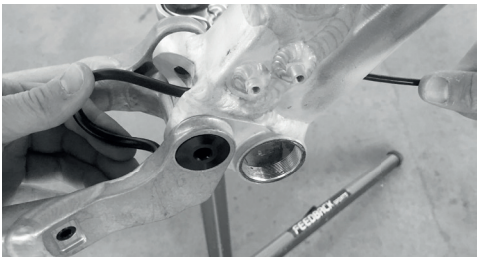
Make sure the housing is underneath the cable pulley.

- Pull the new cable housing out of the front end of the chain stay until the rest at the end of the frame leading to the rear derailleur has the right length. Turning it simplifies the process.



- Entirely slip the PE tube over the cable housing until it reaches into the chain stay for about 2 cm.

- With a sweeping curve, the cable housing is to be inserted into the right-hand hole of the main frame and then pulled out of the ServicePort.



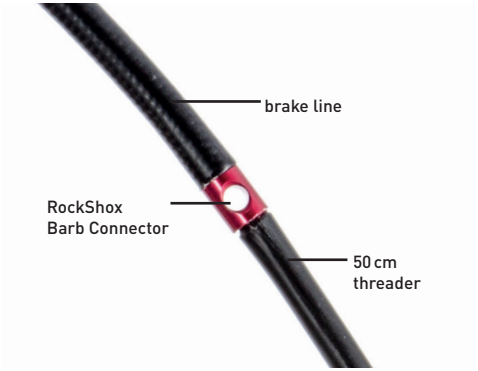
- Simultaneously pulling and pushing, the cable housing can now be guided through the ServicePort until the PE tube sits solidly between the chain stay and the main frame.

- Starting at the front, slip the foam tube over the cable housing until it reaches the inner main frame.

- With the help of the Park Tool IR-1.2 or the RockShox Barb Connector, the cable housing including the foam tube can be guided through the down tube and into the left-hand cable hole at the top of the tube.

12. brake hose routing

In order to simplify the routing of the brake hose, the frame comes with a shifting cable housing inside the left-hand chain stay. The Park Tool IR-1.2 or the RockShox Barb Connector may help further. Refer to the picture.



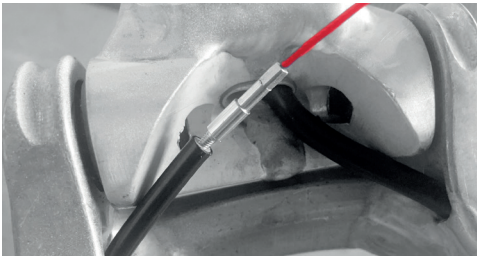
At first, the hose is to be cut at the brake lever. The clamping capsule and the fitting need to be removed.

Working with the Park Tool Internal Cable Routing Kit:

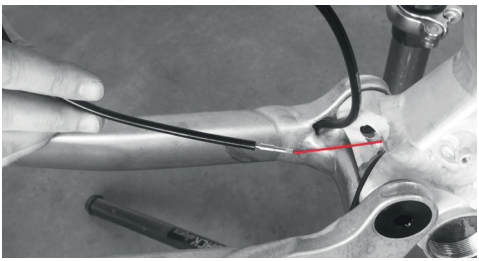
- Connect the front end of the cable housing in the left-hand chain stay with the threaded end part of the routing advice.

- Towards the rear end of the frame, pull the cable housing out of the chain stay leaving the Park Tool routing advice inside the chain stay.

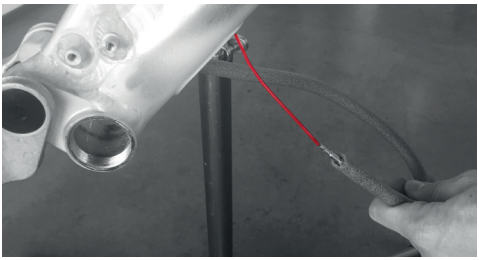
- Disconnect the advice and the cable housing.



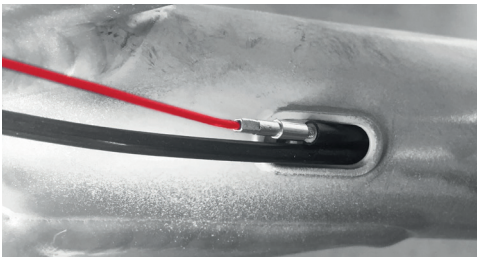
- Connect the threaded part of the advice to the brake hose for the rear brake and pull it back into the left-hand chain stay. Support the hose and the tool by simultaneously pulling and pushing.



- Guide the routing advice through the left-hand hole of the main frame and from the bottom into the ServicePort.



- Slip a foam tube over the routing advice and the brake hose.



- With the help of the Park Tool magnet, guide the routing advice through the down tube of the frame and into the top end cable hole of the frame.

If you assemble your bike without a Park Tool Internal Cable Routing Kit, the procedure can be realized with a SRAM hose connector, too. In the end, the brake hose can be guided through the chain stay in a similar way as with the Park Tool advice.

The assembly of the brake depends on different brake modals and should be realized as displayed below.

Picture shows rear brake on a Post Mount socket with hose routing for Shimano.

Picture shows rear brake on Post Mount socket with hose routing for SRAM.

13. Variable seatpost

The 301 Mk14 is designed for a fully integrated Eightpins variable seatpost. Refer to the separate Eightpins manual that can also be downloaded at www.eightpins.at

NOTE: The routing for all internal cable routing variable seatposts is done via the ServicePort in the down tube.

- Guide the cable housing or the hydraulic hose through the right-hand hole at the steering tube and pull it out of the ServicePort at the lower end of the down tube.
- From the bottom end, slip a foam tube over the hose all the way to the cable hole at the top end of the down tube.

- Now push the cable housing or hydraulic hose upwards – through the snorkel (see arrow) – into the seat tube.
- Mounting a variable seat post, stick to the recommendations of the individual manufacturers' manuals.

14. SCS-III EVO6 chain guide

The SCS-III EVO6 chain guide (Art. #131040) is attached to the right-hand chain stay yoke with a single screw.

Picture shows Syntace SCSIII EVO6 chain guide

NOTE: The SCS-III EVO6 chain guide is compatible only with one- and two-speed Boost cranksets.

15. RockGuard SL

The Liteville 301 Mk14 features an interface for the Syntace RockGuard

Art.: 116757, black
Art.: 117013, WorksFinish

Picture displays RockGuard SL in black

16. Damper preload adjustment

In order to guarantee for a perfect setup of the RockShox Deluxe RT3, the damper is to be adjusted with a 30 % negative travel/ Sag of the entire damper travel of 55 to 65 mm.

For the perfect function of the damping system of the rear frame, follow precisely the steps below

- Find an even road
- Sit on your bike fully equipped, including backpack, bottle, helmet, etc. and start riding.
- Make sure the compression stage of the damper is open (the black lever is to point towards the right).
- Look downwards on the "Sag-Indicator (dynamic level) and check the two indicator sticks.

Picture displays dynamic level adjustment

RECOMMENDATION: the sticks should be on the same height equaling a 30 % Sag setting.

NOTE: Even a bigger backpack noticeably increases the load on the rear wheel. Adjust the air pressure in the damper respectively.

17. Damper rebound adjustment

Sitting on your bike, ride down a sidewalk. The rear frame should "bounce" only once. In case it does so more often, close the rebound of your damper further. In case the rear frame works too fast, open the rebound. The rear frame should not go back into its original position too fast. This is because it should be "prepared" for further obstacles to come as soon as possible.

With most dampers, the direction of the adjustment is indicated with a "+" or symbolized with a "turtle". The adjustment wheel in the middle, with most modals, is painted red. Please additionally refer to the manufacturers' manuals for further adjustment advices.

ADVICE for your damper system setup:

if you want your 140 mm All Mountain 301 to become even more downhill oriented, we have some advice for you.

For a more stable and smooth performance riding downhill, we recommend to mount the VarioSpin. With this option, the steering angle becomes less steep (by 1.5°) which leads to more stability. On top of this, the damper can be equipped with one or even more volume spacers. The overall air volume of the damper is reduced thereby which alters the characteristic curve. At the same time, the final progression of the damper is increased. Please find further information at the website of the individual damper manufacturer.

E. MAINTENANCE AND CARE

1. Frame bearings and headset bearing

With conventional usage, the bearings do not have to be dismounted, greased or cleaned. In case a bearing gets damaged anyways, you may order the respective bearing type at your Liteville Worksstation and have it exchanged there or order it at Syntace directly.

Picture shows bearings that can be greased in the top tube.

Picture shows bearings that can be greased at the HorstLink.

ADVICE: We recommend the Syntace GreaseGun (Art. #116931) for most effective results.

Never point at your bearings with a high-pressure water jet, as this can easily damage them. After all, too much "maintenance" may even harm your bearings.

2. Screws

The screws in your frame are all made from Titanium or Aluminum and are produced specifically for Liteville frames. They are all mounted with screwlock. Nonetheless, you are to check the correct tightening torque frequently.

ADVICE: in case a screw can actually be twisted as the tightening torque is checked, the screwlock is broken and as a consequence needs to be exchanged. The screw needs to be secured again. Unscrew it, clean it and reassemble everything with screwlock.

We have summed up a "Screwlock Basics" at www.liteville.de > FAQ.

3. WorksFinish surface

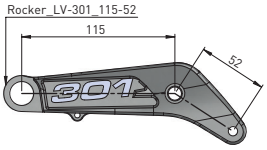
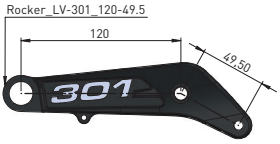
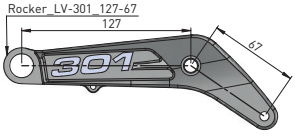
The Liteville WorksFinish is a genuine raw Aluminum surface, free of any kind of protection paint, meaning it is no Aluminum simulation. The frame actually shows the signs of the original manufacturing process. Stains are thus common, the frame may even change its color slightly which leads to the natural charm of a grown patina.

The surface can be reprocessed at all times either chemically or mechanically with a Scotch-Brite-Finish or by being polished manually. The frame comes standard with two Scotch-Brite grinding fleeces. Try applying it on a spot that is not seen directly.

NOTE: The WorksFinish frame comes with 3M stickers. It is your choice if you put them on your frame or if you do not.

Picture shows Liteville stickers.

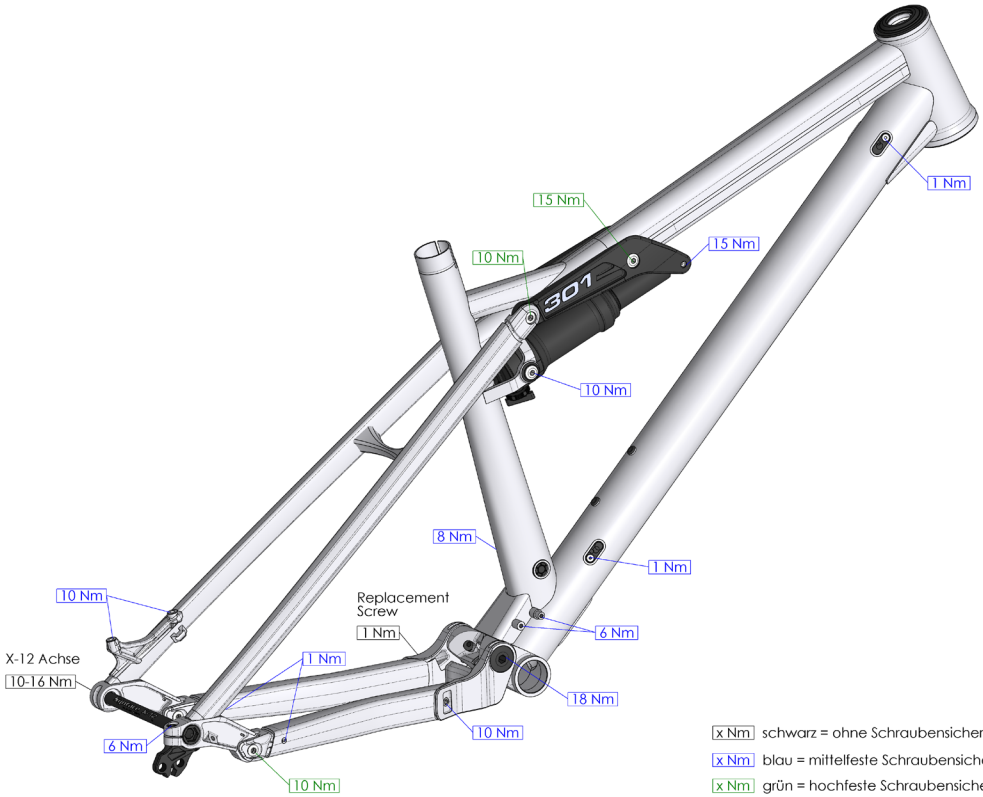
4. Linkage bar overview

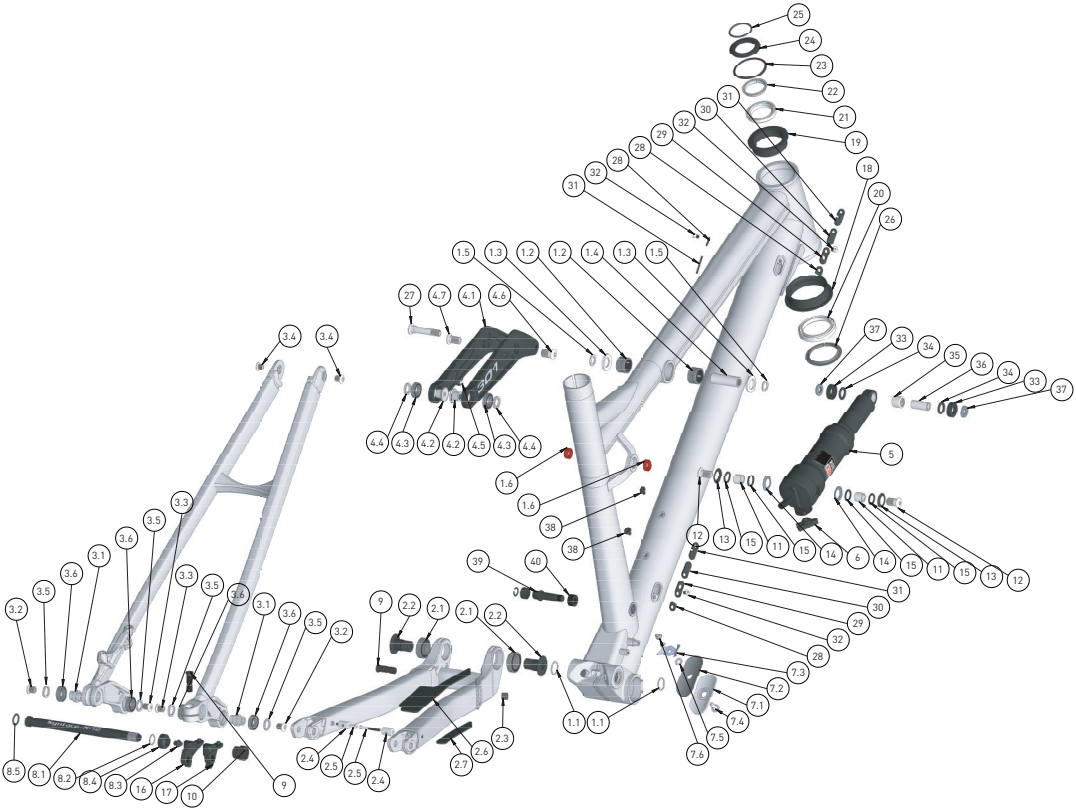
	140 mm travel	160 mm travel
frame size: XS, S		
frame size: M, L, XL, XXL		

SCREWS: MAXIMUM TIGHTENING TORQUE AND SECURING SCREWS

When tightening screws, always use a torque wrench such as the Syntace Torque Tool.

Caution: in case a screw can actually be twisted as the tightening torque is checked, the screwlock is broken and as a consequence needs to be exchanged. The screw needs to be secured again. Unscrew it, clean it and reassemble everything with screwlock. We have summed up a “Screwlock Basics” at www.liteville.de - FAQ.

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POS-NR.	Description	Article No.	Qtty
1	**MF_LV-301_MK14_L**		**1**
1.1	washer_BB_18x15.2x1	127944	2
1.2	NB_14x22x13_4900-2rs	114500	2
1.3	axial_washerbushing_for_NB	111691	2
1.4	TT-pivot-steel-axle for_needle_bearing_42.0mm	115149	1
1.5	washer_16x10.3x1	120013	2
1.6	NORGLIDE-bearing_13x15x6	140646	2
2	**CS_LV-301_MK14_L**		**1**
2.1	BB_15x28x7_61902-2rs_EXI	110526	2
2.2	screw_Al_M14x1x24.5_11.5t_HEX8	128200	2
2.3	screw_POM_M10x1x8_HEX5_plug	127043	1
2.4	CS-cable-pulley	130395	2
2.5	screw_M3x30	130401	2
2.6	CS-protector_top_size-3	140660	1
2.7	CS-protector_bottom	140677	1
3	**SS_LV-301_MK14_L**		**1**
3.1	Horstlink-axle_T-01	127050	2
3.2	screw_Ti_M8x0.75x11.0_HEX5_GP	120396	2
3.3	screw_Ti_M8x0.75x11.0_HEX5_plug	120389	2
3.4	screw_Ti_M8x0.75x8.5_ HEX5	103733	2
3.5	washer_Al_16x12x2	140684	4
3.6	BB_12x21x5_61801-rs	141766	4
4	**Rocker_LV-301_MK14_L**		**1**
4.1	Rocker_LV-301_132-63	128910	1
4.2	bolt_12x20x8.5_M8x0.75_HEX5	120020	2
4.3	BB_12x21x5_61801-2rs	114449	2
4.4	washer_Al_16x12x2.5	120037	2
4.5	sag-indicator_M5_T-01	127197	1
4.6	screw_Ti_ M10x1x16.3_ 10.5t_HEX5_plug	128842	1
4.7	screw_Ti_ M10x1x16.3_ 10.5t_HEX5_GP	128835	1
5	Deluxe RT3 205x65 TRST	130869	1
6	Lever_RS-Deluxe_short	140875	1
7	closing-cap_assembly_T01		1
7.1	closing-cap_63	127920	1
7.2	closing-cap_3M-sticker_T01	142305	1
7.3	closing-cap_snap-plate	145337	1
7.4	screw_VA_M5x12.5_HEX5	127937	1
7.5	washer_SS_10x5.5x1	145344	1
7.6	stop-nut_M5	145351	1
8	X-12_axle_assembly_148mm_allen-key	119017	1
8.1	X-12_axle_148mm_EVO6	127081	1
8.2	X-12_stainless-steel_washer 12mm	127098	1
8.3	X-12_axle_end-plug	127104	1
8.4	X-12_axle_cone	127111	1
8.5	X-12_axle_O-ring_small	127128	1
9	X-12_hanger_screw_Typ2_26mm	116849	2
10	X-12_thread-insert_0mm	105683	1
11	axle_SS_10x13x11	128781	2
12	screw_Ti_ M10x1x16.3_ 10.5t_HEX5	103764	2
13	o-ring-cover_ID-13	128798	2
14	o-ring-cover_ID-13_pf	141759	2
15	X-Ring_12.42x1.78	140691	4
16	X-12_hanger_Typ3_D-Mount	128101	1
17	X-12_hanger_Typ3_Std	128118	1
18	Headset-cup_1.5_57x52	127142	1
19	Headset-cup_1-1-8_48.8x41	127135	1
20	BB_40x52x7_2RS_cone	103887	1
21	BB_30x41x6.5_2RS_cone	103870	1
22	Topplate-cone_1-1-8	127166	1
23	VarioSpin-Top-seal_1-1-8	127210	1
24	VarioSpin-Top-Cap_1-1-8	127173	1
25	O-Ring_28.6x2.0	127203	1
26	Baseplate-cone_1.5_39.8	127159	1
27	screw_Ti_M8x1x44.5_ HEX5	112339	1
28	cable-inlet_double	127517	3
29	cable-inlet_single	127500	2
30	cable-inlet_closed	127494	2
31	cable-inlet_Di2	140707	3
32	screw-sc_M4x6_HEX2.5	127487	3
33	washer_POM_20x11.1x5.925	128187	2
34	O-Ring_11x3.0	110281	2
35	NB_11x15x12.7	110571	1
36	axle_SS_8x11x24.9	128217	1
37	washer_Al_16x8x2.5_EXI	140714	2
38	rubber plug cable spot DT	120006	2
39	Eightpins_postpin	143371	1
40	PostPin_adjusting-ring	140813	1

NOTES

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