

GENERAL SUSPENSION FORK MANUAL

WARNING !

Carefully read, understand and follow the instructions provided in this manual, and keep it in a safe place for future reference. If you have any doubt whatsoever regarding the use or maintenance of any SR SUNTOUR product, please contact SR SUNTOUR. Failure to follow these warnings and instructions can result in product malfunction, causing an accident, severe injury or death.

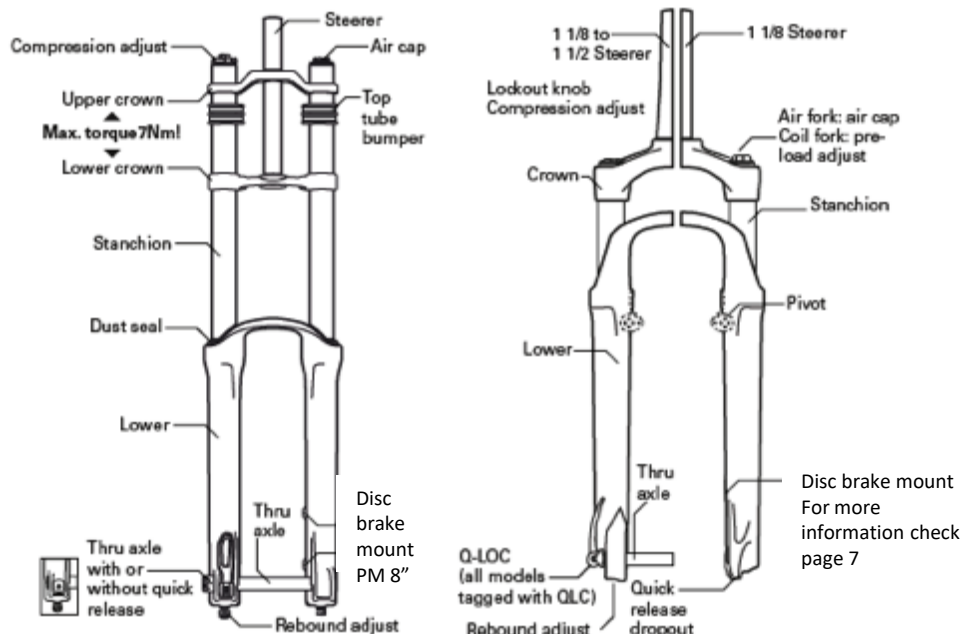
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OVERVIEW



IMPORTANT SAFETY INFORMATION

! WARNING !

Failure to follow all warnings and safety instructions can cause your product to malfunction, resulting in an accident, severe personal injuries or even death to the rider.

- Read this manual thoroughly before using your suspension system.
- These instructions contain important information about the correct installation, service and maintenance of your suspension fork. Common mechanical knowledge may not be sufficient. Your suspension fork should only be installed, serviced and/or maintained by a trained and qualified bicycle mechanic with specialized tools.
- Our suspension systems contain fluids and gases under extreme pressure. Never try to open any SR SUNTOUR suspension system! Pieces can be violently ejected.
- SR SUNTOUR suspension forks are designed as a single integrated system. To avoid product malfunction and an accident, use only genuine SR SUNTOUR spare parts. The use of third-party supplier spare parts also voids the warranty of your suspension system.
- Your suspension fork is not intended for jumps, aggressive downhill rides, freeride or dirt jumping if the warning sticker on your suspension system prohibits these activities. Disregarding these instructions may cause your suspension fork to fail, resulting in an accident, personal injury or death, and will void the warranty.
- SR SUNTOUR suspension fork is designed for use by a single rider.
- Select the correct suspension fork according to your frame's dimensions and your personal riding style. Installing a suspension fork which does not match the geometry of your frame could result into a failure of the suspension fork or frame itself, and will void the shocks warranty.
- failure of the suspension fork or frame itself, and will void the shocks warranty.
- Know the limits of your skill and experience, and never ride beyond them.
- Read, understand and follow all owner's manuals provided with your bike and all of its components.
- Always be equipped with proper safety gear. This includes a properly fitted and fastened helmet. According to your riding style you should use additional safety protection. Make sure your equipment is in flawless condition.
- Even if you had a suspension system in the past, ride carefully and slowly to become accustomed to the feel of your new suspension fork.
- SR SUNTOUR suspension forks are not equipped with front reflectors for use on public roads. If you intend to use your bicycle on public roads or bicycle paths, you must install the required front reflectors. Please contact your dealer.
- If you are using a bicycle rack that requires the front wheel to be removed, carefully insert and remove the dropouts from the bike rack. Do not bend the dropouts !
- If you are using a bicycle rack that fastens the bicycle at the front dropouts only, then the rear wheel must be securely fastened to prevent movement of the rear wheel. Movement of the rear wheel will damage the front dropouts, and this damage may not be visible to you.
- If the bicycle has fallen off the bicycle rack, have it inspected by a qualified bicycle mechanic before riding it again.

BEFORE EVERY RIDE



WARNING !

Avoid serious personal injury or even death. Do not ride the bicycle if any of the following criteria is not met! Correct any condition before you ride.

- Inspect your bicycle and suspension system including the handlebars, pedals, crank arms, seat post, saddle, etc. for any cracks, dents, bent or tarnished parts. Also search for any oil leaking out of your shocks. Be sure to check hidden areas on the underside of your bike. If any condition exists, consult a trained and qualified bicycle mechanic to determine the cause and make any necessary correction.
- Compress your suspension system with your body weight. If it feels too soft, make the necessary adjustments until you have reached the correct SAG value. Please also see the instruction in this manual regarding SAG.
- Make sure your brakes are properly installed/adjusted and work correctly.
- Spin the wheels. Make sure that wheels are perfectly centered and do not contact the suspension fork or brakes.
- If you are using a quick release system to fasten your wheel set, make sure that all levers and nuts are properly tightened. In case you are using a through axle system, make sure that all fixing bolts are tightened with the appropriate torque values. Strictly follow the instructions provided by the manufacturer of the quick release or through axle system.
- Check the cable length and routing of your components. Make sure they do not interfere with your steering of the bicycle.
- If you are using reflectors for on-road cycling, make sure they are clean and properly installed.
- Check mounting hardware of all components to make sure everything is tightened.
- Bounce your bike on the ground while looking and listening for anything which might be loose.

FORK ASSEMBLY



WARNING !

Avoid product malfunction, an accident, personal injury or death. Your new SR SUNTOUR suspension fork should be installed, maintained and serviced by a qualified and trained bicycle mechanic. Avoid product failure and an accident, personal injury or death. All mounting screws must be tightened with the respective torques specified by the manufacturer of each individual component (i.e., brake, headset, etc.).

1. Remove the old fork from your bicycle. Remove the headset crown race from the fork.
2. Measure the length of the steerer tube of your old fork and compare it to the length of the steerer tube of the SR SUNTOUR fork. The standard length of SR SUNTOUR suspension fork steerer tube is 255mm. It may be necessary to shorten the steerer tube to the correct length.
3. Install the fork crown race firmly at the top of your fork crown. Reattach the fork assembly (headset, spacer, handlebar stem) to the bicycle. Adjust the headset until no more play is observed. Further information can be found in the installation instructions of the headset manufacturer.
You can use the following formula to determine the proper length of the steerer tube: Head tube of the frame + Headset height + Spacer if applicable + Height of the stem - 3 mm distance = Length of the steerer tube
4. Install and properly adjust the brakes according to the brake manufacturer's instructions. If you are using a disc brake, install the brake only into the designated threaded receptacle hole for the disc brake. Use only cantilever brakes that are made for use without reinforcing brace. Follow the assembly instructions of your brake manufacturer. Select the proper length for the brake cable so that it does not interfere with the fork or steering.
5. Reattach the front wheel. Make sure that all clamping levers and nuts are set and tightened properly (at least four threads must engage in the adjusting nut when the quick release is locked). If the fork is equipped with a thru-axle system, then all screws must be checked for proper torque. Follow the instructions of the Quick Release or Turn-Axle manufacturer.

TIRE CLEARANCE TEST

1. Depressurize the fork. (if equipped with air suspension)
2. Compress the fork all the way.
3. Measure the distance between the top of your tire and the underside of the fork crown. The distance must not be less than 10 mm! If the tire is too big, it will touch the underside of the crown when the fork is fully compressed.
4. Relieve the fork and pump it up again if it is an air fork.
5. If you would like to use a fender, install it and ensure that the remaining clearance still meets the minimum safety requirement of at least 6mm. This can be easily checked by using a 6mm hex tool to check clearance between the tire and fender. Please take into account that the gap is reduced if you are using a fender! You must repeat this test every time you change your tires to another size!

TIRE CLEARANCE



WARNING !

Using a tire that is larger than the maximum tire size allowed for your fork is very dangerous and can cause accidents, serious injuries and even death. Inadequate tire clearance will result in sudden and unexpected loss of bicycle control, an accident, personal injury or death.

Below dimensions are based on the bottom case type. Some numbers are referred based on the bottom case type which have fender mount interface, and some are without. Please check in advance whether the wheel and fork are compatible. The necessary information can be found on the side of the tire. Every tire has a different external diameter (width and height of the tire). For this reason, check the distance between your tire and the fork to make sure your tire does not touch the fork under any circumstances. Bear in mind that the narrowest part of the fork is at the brake boss level. If you want to remove your wheel, you must release the air from your tire, among other things, in order to fit it through the brake boss level.

SUGGESTED TIRE SIZE

MODEL	Suggested Tire Size	ETRTO	Max allowed Tire Width	Max allowed Tire O.D.
DUROLUX38X-Boost 29"	29"x2.6"	65-622	67mm	762mm
AION38X-Boost 29"	29"x2.6"	65-622	67mm	756mm
AION38X-Boost 27.5"	27.5"x2.6"	65-584	67mm	723mm
DUROLUX36X-Boost 29"	29"x2.6"	65-622	67mm	756mm
DUROLUX36X-Boost 27.5"	27.5"x2.6"	65-584	67mm	723mm
AION36X-Boost 29"	29"x2.6"	65-622	67mm	756mm
AION36X-Boost 27.5"	27.5"x2.6"	65-584	67mm	723mm
ZERON36X-Boost 29"	29"x2.6"	65-622	67mm	756mm
ZERON36X-Boost 27.5"	27.5"x2.6"	65-584	67mm	723mm
XCR36X-Boost 29"	29"x2.6"	65-622	67mm	756mm
XCR36X-Boost 27.5"	27.5"x2.6"	65-584	67mm	723mm
XCR34X-Boost 29"	29"x2.4"	62-622	63mm	754mm
XCR34X-Boost 27.5"	27.5"x2.6"	65-584	67mm	723mm
XCM34-Boost 29"	29"x2.4"	62-622	63mm	754mm
XCM34-Boost 27.5"	27.5"x2.6"	65-584	67mm	723mm
XCM34-Boost AIR 29"	29"x2.4"	62-622	63mm	754mm
XCM34-Boost AIR 27.5"	27.5"x2.6"	65-584	67mm	723mm

SUGGESTED TIRE SIZE

MODEL	Suggested Tire Size	ETRTO	Max allowed Tire Width	Max allowed Tire O.D.
MOBIE36-Boost 29"	29"x2.6"	65-622	67mm	756mm
MOBIE36-Boost 27.5"	27.5"x2.6"	65-584	67mm	723mm
MOBIE35-CGO Boost 27.5"	27.5"x2.6"	65-584	67mm	723mm
MOBIE34-(D)-Boost 29"	29"x2.4"	62-622	63mm	754mm
MOBIE34-(D)-Boost 27.5"	27.5"x2.6"	65-584	67mm	723mm
MOBIE34-(D) 700C	700x57C	57-622	59mm	751mm
MOBIE34-(D) 27.5"	27.5"x2.4"	62-584	63mm	717mm
MOBIE-A34-Boost 29"	29"x2.4"	62-622	63mm	754mm
MOBIE-A34-Boost 27.5"	27.5"x2.6"	65-584	67mm	723mm
MOBIE-A32 29"	29"x2.4"	62-622	63mm	758mm
MOBIE-A32 27.5"	27.5"x2.4"	62-584	63mm	717mm
MOBIE-A32 5TA 29"	29"x2.4"	62-622	63mm	758mm
MOBIE-A32 5TA 27.5"	27.5"x2.4"	62-584	63mm	717mm
MOBIE34-CGO-Boost 24"	24"x2.6"	65-507	68mm	640mm
MOBIE34-CGO- Boost 20"	20"x2.6"	65-406	68mm	539mm
XCM32-Boost AIR 29"	29"x2.4"	62-622	63mm	760mm
XCM32 Boost AIR 27.5"	29"x2.6"	65-584	67mm	725mm
XCM32 15AH4 29"	29"x2.4"	62-622	63mm	758mm
XCM32 15AH4 27.5"	27.5"x2.4"	62-584	63mm	717mm
XCM32 5TA 29"	29"x2.4"	62-622	63mm	758mm
XCM32 5TA 27.5"	27.5"x2.4"	62-584	63mm	717mm
NCX32-SP (E/D) Boost 29"	29"x2.4"	62-622	62mm	756mm
NCX32-SP (E/D) Boost 27.5"	27.5"x2.4"	62-584	64mm	718mm
NCX32-SP (E/D) 29"	29"x2.25"	57-622	58mm	747mm
NCX32-SP (E/D) 27.5"	27.5"x2.25"	57-584	58mm	708mm
NCX32-SP (E/D) 5TA 29"	29"x2.25"	57-622	58mm	747mm
NCX32-SP (E/D) 5TA 27.5"	27.5"x2.25"	57-584	58mm	708mm
NVX32-Boost AIR 29"	29"x2.25"	57-622	58mm	754mm
NVX32-Boost AIR 27.5"	27.5"x2.25"	57-584	58mm	708mm
NVX32 AIR 29"	29"x2.25"	57-622	58mm	754mm
NVX32 AIR 27.5"	27.5"x2.25"	57-584	58mm	708mm
NVX32-5TA AIR 29"	29"x2.25"	57-622	58mm	754mm
NVX32-5TA AIR 27.5"	27.5"x2.25"	57-584	58mm	708mm
NVX32-Boost 29"	29"x2.25"	57-622	58mm	754mm
NVX32-Boost 27.5"	27.5"x2.25"	57-584	58mm	708mm
NVX32 29"	29"x2.25"	57-622	58mm	754mm
NVX32 27.5"	27.5"x2.25"	57-584	58mm	708mm
NVX32-5TA 29"	29"x2.25"	57-622	58mm	754mm
NVX32-5TA 27.5"	27.5x2.25"	57-584	58mm	708mm

SUGGESTED TIRE SIZE

MODEL	Suggested Tire Size	ETRTO	Max allowed Tire Width	Max allowed Tire O.D.
RUX38-Boost 29"	29"x2.8"	70-622	73mm	770mm
RUX38-Boost 27.5"	27.5"x2.8"	70-584	73mm	732mm
DUROLUX38-Boost 29"	29"x2.6"	65-622	67mm	762mm
AURON36-Boost 29"	29"x2.6"	65-622	67mm	756mm
AURON36-Boost 27.5"	27.5x2.6"	65-584	67mm	723mm
AION36-Boost 29"	29"x2.6"	65-622	67mm	756mm
AION36-Boost 27.5"	27.5x2.6"	65-584	67mm	723mm
ZERON36-Boost 29"	29"x2.6"	65-622	67mm	756mm
ZERON36-Boost 27.5"	27.5x2.6"	65-584	67mm	723mm
AXON34-Werx Boost 29"	29"x2.4"	62-622	63mm	756mm
AXON34-Elite Boost 29"	29"x2.4"	62-622	63mm	756mm
AXON34-Boost 29"	29"x2.4"	62-622	63mm	760mm
RAIDON34-Boost 29"	29"x2.4"	62-622	63mm	760mm
RAIDON34-Boost 27.5"	27.5"x2.6"	65-584	67mm	725mm
RAIDON32-Boost 29"	29"x2.4"	62-622	63mm	756mm
RAIDON32-Boost 27.5"	27.5"x2.5"	64-584	66mm	724mm
RAIDON34-JR-Boost 24"	24"x2.6"	65-507	68mm	640mm
RAIDON34-JR-Boost 20"	20"x2.6"	65-406	68mm	539mm
XCR32-Boost 29"	29"x2.4"	62-622	63mm	756mm
XCR32-Boost 27.5"	27.5"x2.5"	64-584	66mm	724mm
XCR34-Boost 29"	29"x2.4"	62-622	63mm	760mm
XCR34-Boost 27.5"	27.5"x2.6"	65-584	67mm	725mm
XCR34-JR-Boost 24"	24"x2.6"	65-507	68mm	640mm
XCR34-JR-Boost 20"	20"x2.6"	65-406	68mm	539mm
XCM32 29"	29"x2.4"	62-622	63mm	758mm
XCM32 27.5	27.5"x2.4"	62-584	63mm	714mm
EPIXON32 29"	29"x2.4"	62-622	64mm	758mm
EPIXON32 27.5"	27.5"x2.4"	62-584	64mm	718mm
GVX32 (E/S/D) 700C	700x45C	47-622	50mm	722mm
NRX32IL (E/D) 29"	29"x2.0"	50-622	53mm	729mm
NRX32-E/D 29"	29"x2.25"	57-622	58mm	747mm
NCX32-E/D 29"	29"x2.25"	57-622	58mm	747mm
NCX32-E/D 27.5"	27.5"x2.25"	57-584	58mm	708mm
NEX-E25 700C	700x52C	52-622	54mm	738mm
NEX-E25 26"	26"x2.1"	54-559	54mm	678mm
NVX30 RL DS 29"	29"x2.25"	57-622	58mm	747mm
NVX30 RL DS 27.5"	27.5"x2.25"	57-584	58mm	708mm
NEX 700C	700x48C	50-622	50mm	738mm
NEX 26"	26"x2.1"	54-559	54mm	684mm
XCT30 29"	29"x2.25"	57-622	58mm	750mm
XCT30 27.5"	27.5"x2.25"	57-584	58mm	714mm
XCT-Plus 24"	24"x2.8"	70-507	73mm	655mm
XCT-JR 24"	24"x2.1"	54-507	54mm	628mm
XCT-Plus 20"	20"x2.8"	70-406	73mm	554mm
XCT-JR 20"	20"x2.1"	54-406	56mm	526mm
XCE28 29"	29"x2.25"	57-622	58mm	750mm
XCE28 27.5"	27.5"x2.25"	57-584	58mm	714mm
XCE28 26"	26"x2.1"	54-559	54mm	680mm
M3010 (A) P 700C	700x52C	52-622	54mm	742mm
M3010 (A) P 26"	26"x2.1"	54-559	54mm	684mm
M3010 (A) P 24"	24"x2.1"	54-507	54mm	630mm
M3010 (A) P 20"	20"x2.1"	54-406	56mm	526mm

• Note: Some of above dimensions are referred based on "with fender mount interface", and some are without. Please check the specification sheet for more details.

MAXIMUM BRAKE ROTOR SIZE

Fork model	Rotor size when disc caliper mounted directly	Max. rotor size
DUROLUX38X-Boost 29"	203mm	220mm
AION38X-Boost 29" / 27.5"	203mm	220mm
DUROLUX36X-Boost 29" / 27.5"	203mm	220mm
AION36X-Boost 29" / 27.5"	180mm	220mm
ZERON36X-Boost 29" / 27.5"	180mm	220mm
XCR36X-Boost 29" / 27.5"	180mm	220mm
XCR34X-Boost 29" / 27.5"	180mm	203mm
XCM34-Boost 29" / 27.5"	180mm	203mm
XCM34-Boost AIR 29" / 27.5"	180mm	203mm
MOBIE36-Boost 29" / 27.5"	180mm	220mm
MOBIE35-CGO Boost 27.5	180mm	220mm
MOBIE34-(D)-Boost 29" / 27.5"	180mm	203mm
MOBIE34-(D) 700C / 27.5"	180mm	203mm
MOBIE-A34-Boost 29" / 27.5"	180mm	203mm
MOBIE-A32 29" / 27.5"	180mm	180mm
MOBIE-A32 5TA 29" / 27.5"	180mm	180mm
MOBIE-A32 20"	160mm	180mm
MOBIE34-CGO-Boost 24"	180mm	203mm
MOBIE34-CGO- Boost 20"	180mm	203mm
XCM32-Boost AIR 29" / 27.5"	180mm	180mm
XCM32-Boost 29" / 27.5"	180mm	180mm
XCM32 15AH4 29" / 27.5"	160mm	180mm
XCM32 5TA 29" / 27.5"	160mm	180mm
NCX32-SP (E/D) Boost 29" / 27.5"	160mm	180mm
NCX32-SP (E/D) 29" / 27.5"	160mm	180mm
NCX32-SP (E/D) 5TA 29" / 27.5"	160mm	180mm
NVX32-Boost AIR 29" / 27.5"	180mm	180mm
NVX32 AIR 29" / 27.5"	180mm	180mm
NVX32-5TA AIR 29" / 27.5"	180mm	180mm
NVX32-Boost 29" / 27.5"	180mm	180mm
NVX32 29" / 27.5"	180mm	180mm
NVX32-5TA 29" / 27.5"	180mm	180mm

MAXIMUM BRAKE ROTOR SIZE

Fork model	Rotor size when disc caliper mounted directly	Max. rotor size
RUX38-Boost 29" / 27.5"	203mm	220mm
DUROLUX38-Boost 29"	203mm	220mm
AURON36-Boost 29" / 27.5"	180mm	220mm
AION36-Boost 29" / 27.5"	180mm	220mm
ZERON36-Boost 29" / 27.5"	180mm	220mm
AXON34-Werx Boost 29"	160mm	180mm
AXON34-Elite Boost 29"	160mm	180mm
AXON34-Boost 29"	180mm	203mm
RAIDON34-Boost 29" / 27.5"	180mm	203mm
RAIDON32-Boost 29" / 27.5"	160mm	180mm
RAIDON34-JR-Boost 24"	180mm	203mm
RAIDON34-JR-Boost 20"	180mm	203mm
XCR32-Boost 29" / 27.5"	160mm	180mm
XCR34-Boost 29" / 27.5"	180mm	203mm
XCR34-JR-Boost 24"	180mm	203mm
XCR34-JR-Boost 20"	180mm	203mm
XCM32 29" / 27.5"	160mm	180mm
EPIXON32 29" / 27.5"	160mm	180mm
GVX32 (E/S/D) 700C	160mm	180mm
NRX32IL (E/D) 29"	160mm	180mm
NRX32-E/D 29"	180mm	180mm
NCX32-E/D 29" / 27.5"	160mm	180mm
NEX-E25 700C	160mm	180mm
NEX-E25 26"	160mm	180mm
NVX30 RL DS 29" / 27.5"	160mm	180mm
NEX 700C	160mm	180mm
NEX 26"	160mm	180mm
XCT30 29" / 27.5"	160mm	180mm
XCT-Plus 24"	160mm	160mm
XCT-JR 24"	160mm	160mm
XCT-Plus 20"	160mm	160mm
XCT-JR 20"	160mm	160mm
XCE28 29" / 27.5"	160mm	180mm
XCE28 26"	160mm	180mm

Q-LOC ASSEMBLY

ASSEMBLY

1



1. Check the segmented flange to be expanded before installation and open the lever completely.

2. Slide in the axle until it "clicks". **Make sure the segmented flange is expanded.**



3. Set the tension of the nut until the flange is flush with the dropout.

4. Close the lever completely. Check if it's firmly seated. Re-tighten the nut if necessary.



REMOVAL

1



1. Open the lever completely.

2. Press adjust nut until segmented flange retracts.



3. Open the lever completely. Turn nut clockwise until flange stays latched.

4. Pull out the axle.



20MM BOLTED THRU AXLE ASSEMBLY



1. Slide in the axle and tighten it with a 6mm Allen wrench by suggested tightening torque of 10Nm.



2. Tighten the safety clamp with a 4mm Allen wrench by suggested tightening torque of 7Nm.

20MM CROSS THRU AXLE ASSEMBLY



1. Slide in the axle on the quick-lock side.



2. Tighten the axle with the red lever.



3. It is possible to slide the lever into the axle now.



4. Lock the quick release.



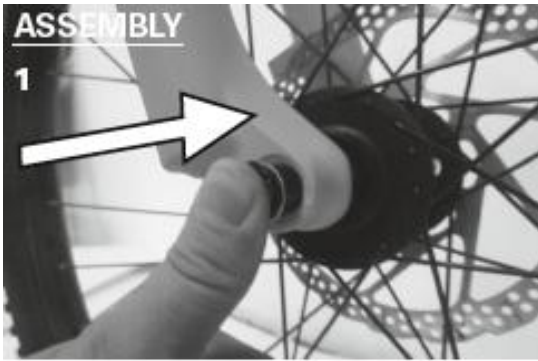
5. Set the tensioning force with a 4 mm Allen wrench if needed.



6. The lever should be flush to the bottom case.

15AH4/15AH3/ 12AH BOLTED THRU AXLE ASSEMBLY

Note: Before installation, make sure to check the o-ring is correctly seated at the thread part.



1. Fully insert the axle on the drive-side.



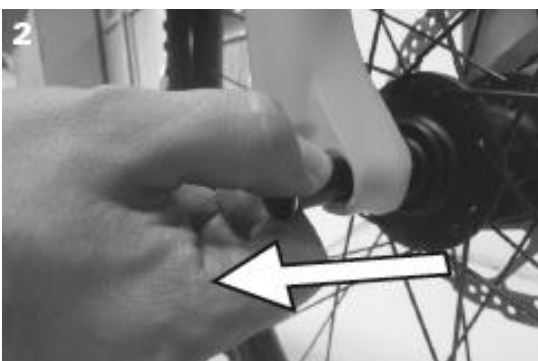
2. Tighten the axle with a 6mm Allen wrench by the suggested tightening torque of 8-10Nm.



3. Check the axle's thread; It must be visible.



1. Loosen the axle on the drive side with a 6mm allen key.



2. Pull out the axle.

5TA QR & TOOL TYPE THRU AXLE ASSEMBLY

1. QR & tool type skewer are provided by hub or wheel supplier.
2. Please follow the instruction manual from your hub supplier for correct instruction of assembly and proper torque setting of the wheel axle.
3. The compatible hub for 5TA fork models is the standard hub which is for 9mm open dropout forks.

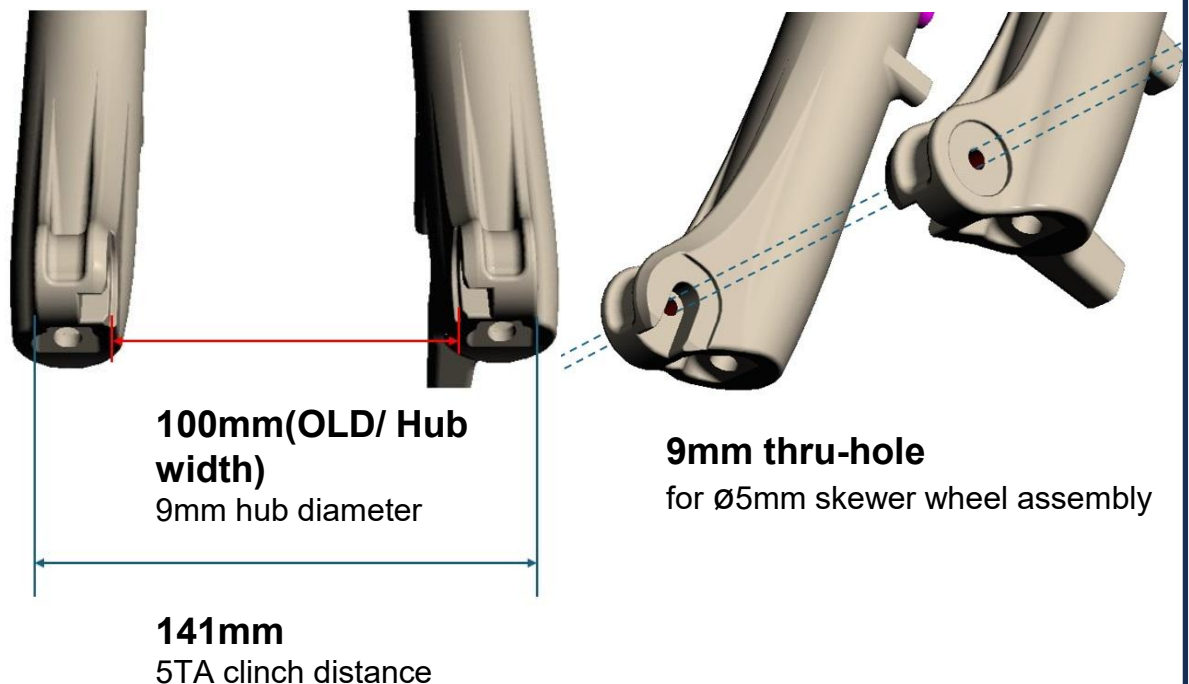


5TA QR TYPE



5TA TOOL TYPE

*** $\varnothing$ 5mm Skewer length determined by hub/wheel supplier**



AIR PRESSURE ADJUST



WARNING !

Always refer to SAG setting (PG-14) for initial setup as baseline. Fine-tuning may be required based on riding conditions and personal preferences. For more details, consult a qualified and trained bicycle mechanic at your bike shop to get proper advice.

As you ride and getting used to your fork, adjust the settings as needed.

Rider weight (kg)	< EQ air system forks >										Suggested air pressure (psi)
	RUX38 DUROLUX38	DUROLUX38X AION38X	DUROLUX36X DUROLUX36 AURON36	AION36X	AION36 ZERON36X MOBIE36 MOBIE34	AXON34-werx AXON34-elite	AXON34	RAIDON34	RAIDON34-JR -24"	RAIDON34-JR -20"	GVX32-(E/S) NRX32IL-E
< 55	< 40	< 40	35 - 50	40 - 55	50 - 70	40 - 55	35 - 50	35 - 50	35 - 50	30 - 45	< 125
55 - 65	40 - 50	40 - 50	50 - 60	55 - 65	70 - 80	55 - 65	50 - 60	50 - 60	-	-	125 - 150
65 - 75	50 - 60	50 - 60	60 - 70	65 - 75	80 - 90	65 - 75	60 - 70	60 - 70	-	-	150 - 175
75 - 85	60 - 70	60 - 70	70 - 85	75 - 85	90 - 100	75 - 85	70 - 80	70 - 85	-	-	175 - 200
85 - 95	70 - 85	70 - 85	85 - 105	85 - 100	100 - 125	85 - 100	80 - 100	85 - 105	-	-	200 - 225
95 <	85 +	85 +	105 +	100 +	125 +	100 +	100 +	105 +	-	-	225 +
Air pressure (factory setting)	70psi	75psi	85psi	100psi	125psi	95psi	90psi	95psi	45psi	40psi	150psi
Max. pressure	105psi	110psi	120psi	130psi	145psi	130psi	120psi	130psi	100psi	100psi	300psi

Rider weight (kg)	< Air system forks >							Suggested air pressure (psi)		
	XCR36X	AXON32 EPIXON32 RAIDON32	XCR34X XCR34	MOBIE34 (D)	XCR32 NCX32-SP (E/D)	GVX-D NRX32IL-D	XCM34 Air MOBIE-A34	XCM32 Air (X1-32) NVX32 Air (NX1-32)	NRX32 (E/D) air	NCX32 (E/D) air
< 55	50 - 70	40 - 55	40 - 55	35 - 50	45 - 60	40 - 55	40-55	40-55	40 - 55	40 - 55
55 - 65	70 - 80	55 - 65	55 - 65	50 - 60	60 - 70	55 - 65	55-65	55-65	55 - 65	55 - 65
65 - 75	80 - 90	65 - 75	65 - 75	60 - 70	70 - 80	65 - 75	65-75	65-75	65 - 75	65 - 75
75 - 85	90- 100	75 - 85	75 - 85	70 - 85	80 - 95	75 - 85	75-85	75-85	75 - 85	75 - 85
85 - 95	100 - 125	85 - 100	85 - 100	85 - 105	95 - 110	85 - 100	85-100	85-100	85 - 100	85 - 100
95 <	125 +	100 +	100 +	105 +	110 +	100 +	100+	100+	100 +	100 +
Air pressure (factory setting)	125psi	100Psi	100psi	90psi	120Psi	110psi	100psi	85psi	85psi	80psi
Max. pressure	145psi	145psi	130psi	120psi	160Psi	130psi	130psi	120psi	120psi	120psi

Rider weight (kg)	< Air system forks >							Suggested air pressure (psi)		
	MOBIE35-CGO air 27.5"	MOBIE34-CGO air 24"	MOBIE34-CGO air 20"	XCR34-JR-24"	XCR34-JR-20"	XCT-PLUS air 24"				
< 55	50 - 70	35 - 50	30 - 45	45 - 55	35 - 50	35 - 50				
55 - 65	70 - 80	-	-	-	-	-				
65 - 75	80 - 90	-	-	-	-	-				
75 - 85	90- 100	-	-	-	-	-				
85 - 95	100 - 125	-	-	-	-	-				
95 <	125 +	-	-	-	-	-				
Air pressure (factory setting)	125psi	45psi	40psi	50psi	45psi	40psi				
Max. pressure	145psi	100psi	100psi	100psi	100psi	100psi				

NOTE: Above numbers are for reference only. The correct air pressure must be adjusted by individual rider while checking the SAG.

SETTING “SAG”

To achieve the best performance from your SR SUNTOUR suspension air spring forks, adjust the air pressure to attain your proper sag setting. Sag is the amount your suspension compresses under your weight and riding gear and luggage. Sag range should be set of total fork travel. Make sure to set sag with the compression knob in the OPEN position.

- Below chart is the suggested SAG range and the original air pressure chart, set for the SR SUNTOUR air suspension forks from the factory. Remember that these are the starting points. Adjustments will vary based on rider ability, trail conditions, frame design, and personal preference. After setting up your suspension fork, check your sag to make sure that you are within the recommended SAG settings.
- The SAG is the compression which is caused by the rider’s weight including equipment (such as backpack), seating position and the frame’s geometry and not as a result of riding. Every rider has a different weight and seating position. Therefore, the front fork will sag more or less. To assure a proper function of suspension front fork and not to interfere its performance, setting a proper SAG is the important way to find the correct air pressure for your air suspension fork.

Setting tip for EQ air forks

- Step 1: Pump up to the suggested air pressure and compress the fork at least 50% of full travel several times in order to equalize the air pressure between the positive and negative air chamber.
 - Step 2: Sit on the bike with equipment (such as backpack) and ask somebody to hold the bike, stand on the pedals, and compress the fork several times. Then sit on your bike in your normal riding position.
 - Step 3: Slide the SAG indicator O-ring down to the top of the dust seal.
 - Step 4: Gently step off the bike without compressing the fork furthermore.
 - Step 5: Check the O-ring position to see if the SAG setting is properly done.
 - Step 6: In case if the SAG setting is not properly done, air pressure must be adjusted.
 - In order to increase the SAG, decrease the air pressure.
 - In order to decrease the SAG, increase the air pressure.
- ✓ Repeat the above procedure until you can find the correct SAG setting.

Fork travel	SAG (%)	SAG (mm)
200 - 180mm	30 - 35%	70 - 54mm
180 - 160mm	25 - 30%	54 - 40mm
160 - 140mm	20 - 25%	40 - 28mm
140 - 120mm	20 - 25%	35 - 24mm
120 - 100mm	15 - 20%	24 - 15mm
100 - 80mm	15 - 20%	20 - 12mm
80 - 63mm	10 - 15%	12 - 6mm

AIR VOLUME ADJUST

Additional tuning options: Air Volume Adjust Spacers

Changing air volume spacers in some fork models is an easy internal adjustment that allows you to change the amount of mid stroke and bottom out resistance.

Even if you have set your sag, but using full travel (bottoming out) too easily, then you could install one or more spacers to increase the bottom out resistance.

Even if you have set your sag, but still not using full travel, then you could remove one or more spacers to decrease the bottom out resistance.

Installation procedure and tuning options can be suggested as shown in the below chart.

EQ air system forks														
Number of Air volume spacers (rubber clip type)														
SF25-RUX38			SF25-DUROLUX38X SF25-DUROLUX38			SF25-DUROLUX36X			SF25-AION38X-29"			SF25-AION38X-27.5"		
Resin spacer volume														
Rubber spacer volume			7.5cc-15mm			5cc-10mm			7.5cc-15mm			5cc-10mm		
			Factory setting	Max. possible spacers	Factory setting	Max. possible spacers	Factory setting	Max. possible spacers	Factory setting	Max. possible spacers	Factory setting	Max. possible spacers	Factory setting	Max. possible spacers
Resin spacer														
Rubber spacer	Travel	200mm	5	7										
		180mm			2	6			2	6				
		170mm			3	7			3	7	1	5		
		160mm			4	8	4	9	4	8	2	6	7	8
		150mm					5	10					8	9
		140mm					6	11					8	10
		130mm											8	11
		120mm											8	12
		100mm												
		80mm												

EQ air system forks														
Number of Air volume spacers (rubber clip type)														
SF25-AURON36			SF26-ZERON36X SF26-MOBIE36			SF25-ZERON36			SF26-MOBIE34 BOOST			SF25-MOBIE34		
Resin spacer volume														
Rubber spacer volume			7.5-15mm			5cc-10mm			5cc-10mm			5cc-10mm		
			Factory setting	Max. possible spacers	Factory setting	Max. possible spacers	Factory setting	Max. possible spacers	Factory setting	Max. possible spacers	Factory setting	Max. possible spacers	Factory setting	Max. possible spacers
Resin spacer														
Rubber spacer	Travel	160mm	3	4	3	9	3	12						
		150mm	4	5	4	10	4	13						
		140mm	5	6	5	11	5	14					2	10
		130mm			6	12	6	15					3	11
		120mm					7	16	5	12		3	9	4
		110mm										4	10	
		100mm							7	14	7	14	5	11
		80mm							9	16	9	16		

AIR VOLUME ADJUST

Additional tuning options: Air Volume Adjust Spacers

Changing air volume spacers in some fork models is an easy internal adjustment that allows you to change the amount of mid stroke and bottom out resistance.

Even if you have set your sag, but using full travel (bottoming out) too easily, then you could install one or more spacers to increase the bottom out resistance.

Even if you have set your sag, but still not using full travel, then you could remove one or more spacers to decrease the bottom out resistance.

Installation procedure and tuning options can be suggested as shown in the below chart.

			EQ air system forks									
			Number of Air volume spacers (rubber clip type)									
			SF24-GVX32 E/S		SF25-NRX32IL-E		SF25-Raidon 34		SF25-Raidon 34 JR 24"		SF25-Raidon 34 JR 20"	
Resin spacer volume												
Rubber spacer volume			4.3cc-10mm		4.3cc-10mm		5cc-10mm		5cc-10mm		5cc-10mm	
			Factory setting	Max. possible spacers	Factory setting	Max. possible spacers	Factory setting	Max. possible spacers	Factory setting	Max. possible spacers	Factory setting	Max. possible spacers
Resin spacer												
Rubber Spacer	Travel	140mm					1	5				
		130mm					2	6				
		120mm					3	7	2	6		
		100mm					5	9	4	8	1	5
		80mm										
		70mm			2	5						
		60mm	4	6	3	6						
		50mm	5	7	4	7						
		40mm	6	8								

COIL SPRING PRELOAD

The fork can be adjusted to the rider's weight and preferred riding style via the spring preload. This adjustment does not change the coil spring rate but rather modifies the preload to reduce initial sag.. This reduces the “SAG” of the fork when the rider sits down. A medium hardness spring is used as standard setting. Turn the preload adjust knob clockwise to increase the spring preload and turn it counter-clockwise to reduce it. Two additional spring hardnesses are available for SR SUNTOUR suspension forks - softer and harder than the standard coil spring.



MAINTENANCE OF THE FORK

As long as moving parts are exposed to moisture and contamination, the performance of your suspension system might be reduced after several rides. In order to maintain high performance, safety and a long life of your suspension system, periodic maintenance is required.

- ***A suspension system which has not been serviced in accordance with the maintenance instructions will not be covered under warranty.***
- ***Never use a pressure washer or any water under pressure to clean your suspension fork as water may enter the fork at the dust seal level. Never use aggressive cleaners. We recommend clear water and a damp cloth to wipe down your fork.***
- ***Your suspension fork should be serviced more frequently as indicated below if you ride in extreme weather (winter time, or in wet/muddy conditions) and rough terrain conditions.***
- ***If you believe that your suspension system performance has changed or handles differently, immediately contact your local dealer to inspect your fork.***

SERVICE INTERVALS:

- **After every ride**: Clean the fork stanchion tubes and dust seals with soapy water, rinse with clear water and dry with a soft cloth. Check stanchion tubes for dents, scratches or other discoloration and oil leakage.
- **Every 50 hours**: Check damper functions. Check torques of mounting screws and nuts on bottom of the lowers. Check for scratches, dents, cracks, discoloration, signs of wear and minor corrosion or oil leakage. See ***Maintenance 1*** below for details.
- **Every 100 hours or per annually (whichever comes first)**: A full-fork service requirement. Recommend to be executed by an experienced SR dealer. Ideally before winter season in order to protect all parts from the effects of weather by proper greasing) See ***Maintenance 2*** below for details..

MAINTENANCE 1:

Check fork function / check torques of mountings screws and nuts on bottom of lowers (suggested tightening torque: bolt: 10Nm, nut: 8Nm) / check for scratches, dents, cracks, discoloration, signs of wear and signs of minor corrosion (maintain with oily cloth), or oil leaks. All forks except "semi-open oil bath" models to apply: Dust seal cleaning, apply specifying grease. Clean and soak wiper with 15W or 20W oil.

MAINTENANCE 2:

Maintenance 1 + disassembly / cleaning the entire fork inside and out / cleaning and lubricating dust seals and slider sleeves / checking torques / adjusting to the riders liking. Before disassembly, check the slider sleeve play of the fork. To do so, apply the front wheel brake and gently push the bicycle back and forth at the handlebar stem shaft. Replace the slider sleeves if the play is excessive (more than 1 mm at the fork brace).

Air spring forks: New air seals, New dust seals and oil wipers. For PCS serviceable damper cartridges: Seals and oil change (for "semi open oil bath" forks: change lubrication oil).

Coil spring forks: New dust seals. New Plastic sleeves to be replaced. Clean and grease coil spring. (for other forks: clean and grease hybrid or DU steel or alloy bushing).

INTENDED USE

WARNING!				WARNING!			WARNING!				
Suggested bike type	PEDAL ASSIST E-BIKE (EU SPEED PEDELEC or US-CLASS 3)	PEDAL ASSIST E-BIKE (EU PEDELEC or US-CLASS 1 & 2)		CITY BIKE	TREKKING BIKE	CROSS/ GRAVEL BIKE	TRAIL BIKE	CROSS COUNTRY RACING / CROSS COUNTRY BIKE	ALL-MOUNTAIN BIKE	ENDURO BIKE	DOWNHILL BIKE
INTENDED USAGE	USE ONLY FOR										USE ONLY FOR
	Pedal assist bikes EU speed pedelec or US-Class 3 For ON-ROAD use	Pedal assist bikes EU pedelec or US-Class 1 & 2 For ON-ROAD use	Pedal assist bikes EU pedelec or US-Class 1 & 2 For OFF-ROAD use	Paved road	Casual off-road	Paved road, and Casual off-road	Cross country	Cross country racing, And Cross Country	Cross country, Trail And All-Mountain	Cross country, Trail And Enduro	Downhill
	DO NOT USE FOR										
	CANNOT BE USED FOR	Downhill, Enduro, All-mountain, XC racing, XC	Downhill, Enduro	Downhill	Downhill, Enduro, All mountain, XC racing, XC			Downhill, Enduro, All-mountain, XC racing	Downhill, Enduro, All-mountain	Downhill	
DUROLUX38X-Boost			●							●	
DUROLUX36X-Boost			●						●		
AION38X-Boost	●	●	●						●		
AION36X-Boost	●	●	●						●		
ZERON36X-Boost	●	●	●						●		
MOBIE36-Boost	●	●	●						●		
MOBIE34-D-Boost	●	●	●								
MOBIE34-D											
MOBIE34-Boost	●	●	●								
MOBIE34											
XCR36X-Boost	●	●	●						●		
XCR34X-Boost	●	●	●						●		
XCM34-Boost	●	●	●				●				
XCM34-Boost AIR		●	●				●				
XCM32-Boost AIR		●	●				●				
XCM32-Boost		●	●				●				
XCM32 5TA		●	●								
MOBIE35-CGO Boost	●	●	●	●							
MOBIE34-CGO Boost	●	●	●	●							
MOBIE-A34-Boost AIR	●	●	●								
MOBIE-A32-Boost	●	●	●								
MOBIE-A32 5TA		●	●								
NCX-32-SP (E/D) Boost AIR		●	●		●	●	●				
NCX-32-SP (E/D)		●	●		●	●					
NCX-32-SP (E/D) 5TA		●	●		●	●					
NVX-32-Boost AIR		●	●	●	●						
NVX-32 AIR		●	●	●	●						
NVX-32-5TA AIR		●	●	●	●						
NVX32-Boost		●	●	●	●						
NVX32		●	●	●	●						
NVX32-5TA		●	●	●	●						

INTENDED USE

WARNING!											
WARNING!											
WARNING!											
Suggested bike type	PEDAL ASSIST E-BIKE (EU SPEED PEDELEC or US-CLASS 3)	PEDAL ASSIST E-BIKE (EU PEDELEC or US-CLASS 1 & 2)		CITY BIKE	TREKKING BIKE	CROSS/ GRAVEL BIKE	TRAIL BIKE	CROSS COUNTRY RACING / CROSS COUNTRY BIKE	ALL-MOUNTAIN BIKE	ENDURO BIKE	DOWNHILL BIKE
INTENDED USAGE	USE ONLY FOR										USE ONLY FOR
	Pedal assist bikes EU speed pedelec or US-Class 3 for ON-ROAD use	Pedal assist bikes EU pedelec or US-Class 1 & 2 for ON-ROAD use	Pedal assist bikes EU pedelec or US-Class 1 & 2 for OFF-ROAD use	Paved road	casual off-road	Paved road, and Casual off-road	Cross country	Cross country racing, and cross country	Cross country, Trail and All-mountain	Cross country, Trail and Enduro	Downhill
	DO NOT USE FOR										
CANNOT BE USED FOR	Downhill, Enduro, All-mountain, XC racing, XC	Downhill, Enduro	Downhill	Downhill, Enduro, All mountain, XC racing, XC			Downhill, Enduro, All-mountain, XC racing	Downhill, Enduro, All-mountain	Downhill		
RUX38-Boost											●
DUROLUX38-Boost										●	
AURON36-Boost									●		
AION36-Boost									●		
ZERON36-Boost									●		
AXON34-Werx-Boost								●			
AXON34-Elite-Boost											
AXON34-Boost								●			
RAIDON34-Boost								●			
RAIDON34-JR								●			
XCR34-Boost							●				
XCR34-JR-Boost							●				
RAIDON32-Boost								●			
XCR32-Boost							●				
EPIXON32							●				
XCM32							●				
XCT30				●	●						
XCT-Plus				●	●						
XCE28				●	●						
M3010				●	●						
MOBIE-A32 20"		●	●								
GVX32 700C		●	●			●					
NRX32IL 29"		●	●			●					
NRX32		●	●			●					
NCX32		●	●	●	●						
NRX		●	●	●	●						
NCX		●	●	●	●						
NVX30		●	●	●	●						
NEX-E25		●	●	●	●						
NEX				●	●						

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- ◆ Service request: <http://www.srsuntour-cycling.com/service/service-request>
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