

## SP6-NCX-D4 and SP6-NEX-D2 Suspension seat post

### Before using the suspension seat post

Read this instruction sheet thoroughly before using the suspension seat post. Using the suspension seat post inappropriately may cause serious injuries. Be sure to follow all warnings and caution indications. The instruction sheet contains important information on the correct installation and usage of the suspension seat post. After reading this instruction sheet, please be sure to keep it in a safe place for future reference. When transferring ownership of the suspension seat post, give this instruction sheet to the new owner.



### **IMPORTANT SAFETY INFORMATION**

1. Do not ride with the suspension seat post with the “minimum insertion mark” indicated on the seat post visible. The seat post should be inserted about 10mm past the joint between top tube and seat tube, in order to protect the frame from breaking, due to high leverage from any seat post.
2. Before each ride be sure the seat tube clamp for the seat post is securely tightened to the proper torque, especially with quick release clamps. Not securing the clamp can cause serious accidents, as the saddle may move during the ride. Follow the bicycle manufacturer’s specification for the clamp torque.
3. Always use genuine SR Suntour parts. Use of other replacement parts voids the warranty and could cause structural failure to the seat post.
4. If you will use the suspension seat post in combination with a child seat, be sure to use the SR Suntour protection cover, to avoid any injuries to the child’s hand.

### INSTALLATION

**SR SUNTOUR recommends that your NCX-D4 / NEX-D2 suspension seat post be installed by a qualified bicycle mechanic, because it must be properly installed, adjusted and checked for safety.**

**If you install the suspension seat post by yourself, the completed installation must be inspected by a qualified bicycle mechanic and signed off to validate your warranty.**

If you upgrade your bike, by using the SR Suntour suspension seat post, please follow these steps:

- Remove the old seat post.
- Clean the seat tube inside and check for any burrs at the level of the seat tube slot.
- Grease the seat tube of the frame. If you will use a seat post shim, grease it in- and outside.
- Install the seat post and insert it past the „minimum insertion mark“ (see FIG.1) and past the joint of top- and seat tube.

### SADDLE INSTALLATION

- 1.) Unscrew the saddle clamp screw until it stays only half deep in the barrel shaped nut. Use an 6mm Allen key.
- 2.) Turn the upper clamp plate by 90° and lift it up, position the saddle in such way, that one rail stays higher then the other, push the saddle rail sideways towards the clamp screw - until it touches the screw. Now you can lower the other saddle rail and have it level with the other one and you can push it now up to the lower clamp groove. Now, both saddle rails stay in the grooves of the lower saddle clamp plate.
- 3.) Turn the upper clamping plate back (by 90°) and position both grooves over the saddle rail.
- 4.) Press the nut down in its groove with your finger and start tightening the screw. Screw it in up to the point where you still can adjust the angle of the saddle.
- 5.) Adjust the saddle position in order to be level.
- 6.) Tighten the screw of the saddle clamp with an 6mm Allen key. Recommended tightening torque - 177lb•in (20Nm).
- 7.) Take a ride and check if the suspension feels comfortable. If you feel sag when you mount the saddle, then you have to increase the standard preload of the seat post.

### PERFORMANCE TUNING

SR Suntour suspension seat posts can be tuned to your particular weight, riding style and terrain you ride on - by adjusting the preload. The preload can be adjusted for riders from 144 to 220.5 lb. (65 to 100kg). Before you make any adjustments, take a ride and feel the function of the seat post. If you feel too much “SAG” (the saddle moves down and back when you mount the saddle), you have to increase the preload of the seat post, in order to compensate the “SAG”! A certain amount of “SAG” - between 0 - 10mm is ok, but it depends on your weight and the terrain you’re riding on. Changing the preload - you alter the “SAG” and the firmness of the initial seat post movement. In order to increase the preload, you have to turn clockwise the adjuster plug at the bottom of seat post, using an 6mm Allen key. Do not turn the adjuster plug counter-clockwise beyond the initial position at delivery, as this could result in failure of the preload adjuster plug and can strip the threads. In this basic position, around 10mm of the seat post thread should be visible.

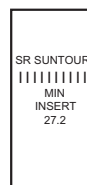


FIG.1

## TECHNICAL DATA

SUSPENSION TRAVEL -	48mm
MOVEMENT TO THE BACK -	29.7mm
SEAT POST DIAMETER -	27.2/26.8mm
USABLE LENGTH OF THE POST -	170MM FROM „MIN INSERT“ MARK
TIGHTENING TORQUE OF THE CLAMP SCREW -	177 lb•in (20 Nm)

## MAINTENANCE

In order to maintain the performance, safety and long life of the suspension seat post - maintenance is required. Depending on the riding conditions and frequency of use, the maintenance should be performed more or less often.

### **Before every ride**

- Check the rail clamp plate screw for proper torque
- Check the seat post clamp screw at the seat tube of the frame / check if the quick release is properly tightened.

### **After every 6 months of use**

- 1.) Remove the seat post from the bicycle.
- 2.) Unscrew the preload adjuster plug and remove the spring stacks and the spacers.
- 3.) Wipe inside of the seat post and the spring stacks clean.
- 4.) Grease the spring stacks (use SRS No. 9170-001) and oil the roller barrel (see FIG 2)

## LIMITED WARRANTY

SR SUNTOUR warrants the NCX-D4/NEX-D2 suspension seat post to be free from defects in materials and workmanship under normal use for a period of two years from the date of purchase. In no event shall this limited warranty apply to any defect of the suspension seat post caused by: improper installation, disassembly, reassembly, intentional breakage or damage, alterations or modifications to the suspension seat post by the user or other party or any unreasonable use or abuse of the product or any use for which this product was not intended.

The obligation of this limited warranty shall be limited to repairing or replacing the suspension seat post or any part for which there is a defect in materials or workmanship during the two years following the date of purchase. To validate this limited warranty the purchaser must submit this warranty card to SR SUNTOUR within 30 days after purchase of the suspension seat post. Any alteration of, or tampering with the warranty card automatically terminates this limited warranty.

SR SUNTOUR makes no express or implied warranties of fitness or merchantability of any kind, except as set forth above. SR SUNTOUR's liability hereunder is expressly limited to repair or replacement of the product. Under no circumstances will SR SUNTOUR be liable for incidental or consequential damages. Some jurisdictions do not allow the exclusion or limitation of liability of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specific rights and you may have other rights which vary from jurisdiction to jurisdiction.

In all places, the purchaser should contact the place of purchase for information about warranty service.

### **NCX-D4/NEX-D2 Suspension seat post Warranty Card:**

Date of purchase: \_\_\_\_\_

Term of limited warranty: Two years from the date of purchase

**Dealer** Name: \_\_\_\_\_ Phone#: \_\_\_\_\_

Address: \_\_\_\_\_

**Purchaser** Name: \_\_\_\_\_ Phone#: \_\_\_\_\_

Address: \_\_\_\_\_



FIG. 2

This warranty is void without proof of purchase.

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