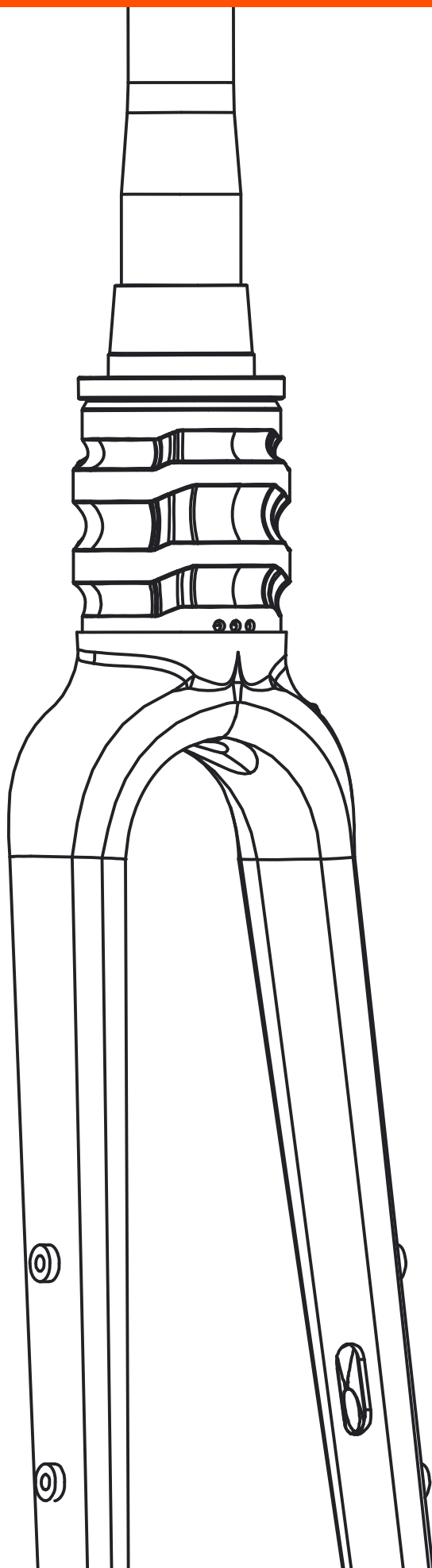




# SINGLE SHOCK

OWNER'S MANUAL



## MODEL

**SS-A7-T**

**SS-A7**

**SS-A8**

**SS-3.0**

### CAUTION

Proper care and maintenance of your RST product is necessary for longevity and optimum performance.

Failing to perform normal maintenance will greatly decrease the performance of the product and may lead to premature deterioration of the product. Lack of maintenance may also jeopardize the safe operation of your fork and will void the warranty.

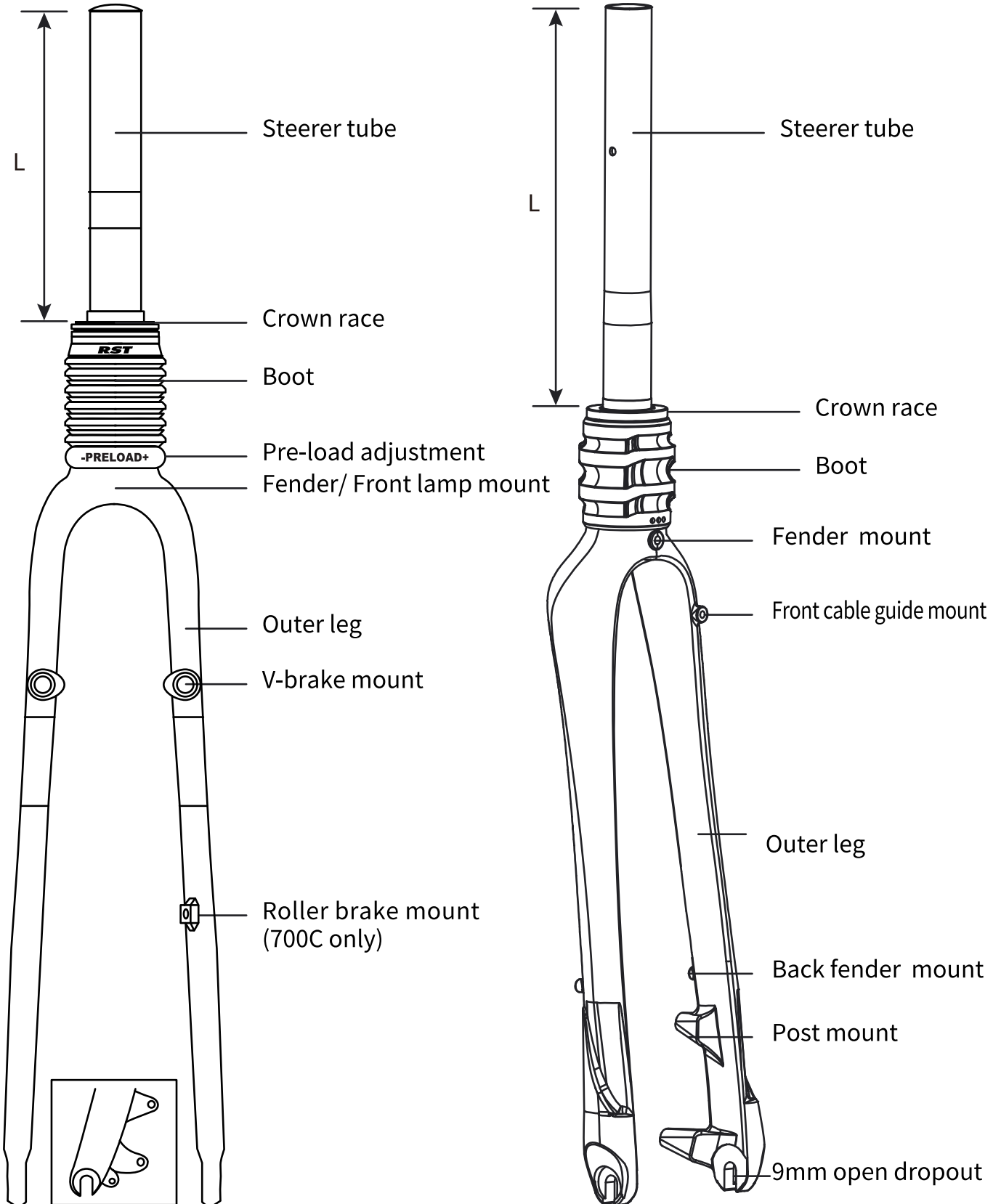
### GENERAL WARNING

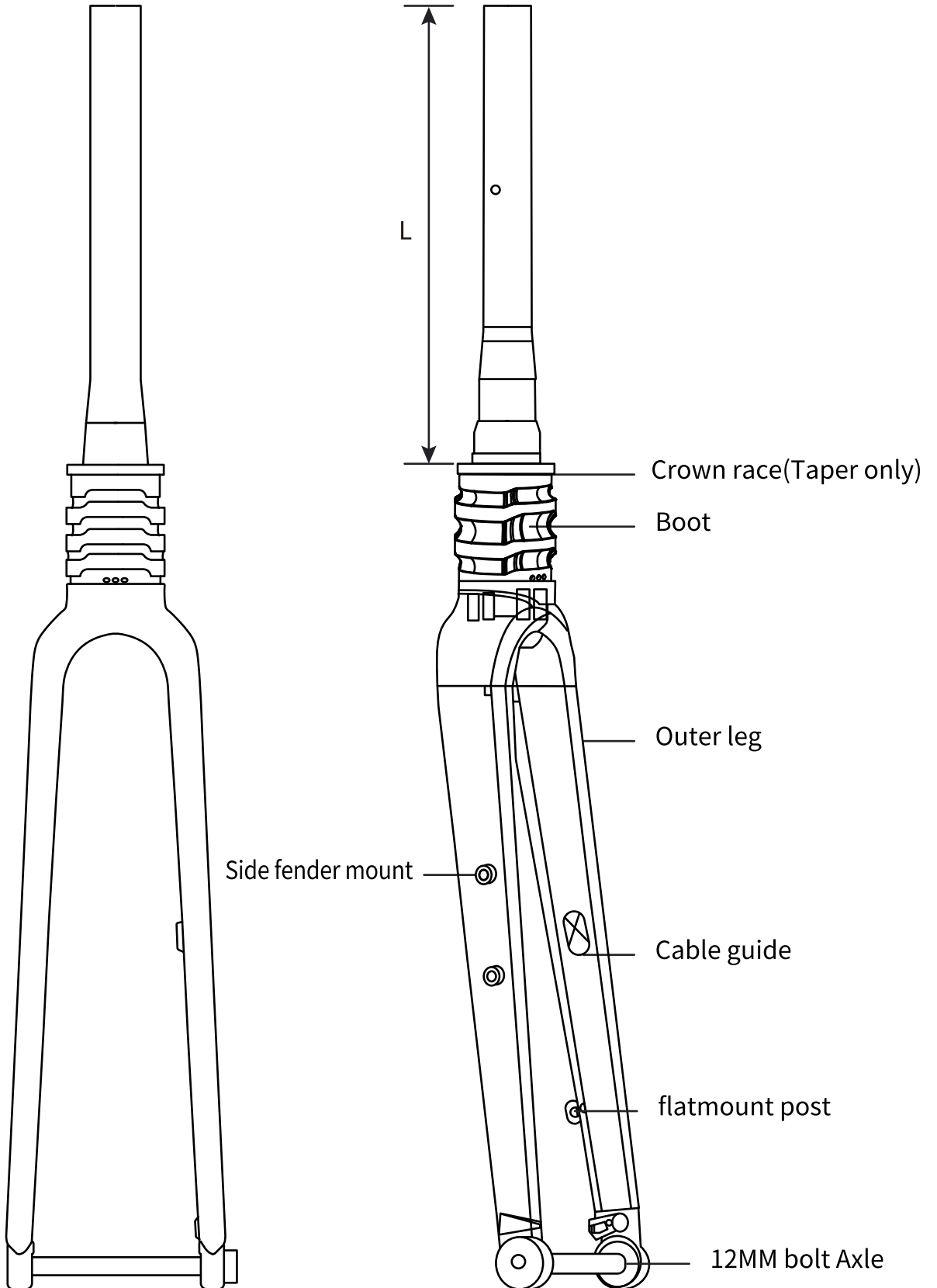
This manual contains important information about the safe operation and maintenance of your fork. Please read this manual entirely and maintain your bicycle and suspension fork. To ensure that your RST fork performs properly, we recommend that you have your fork installed by a qualified bicycle mechanic. Prior to riding your bicycle, you should inspect your suspension fork to ensure that no damage has occurred during the course of riding.

Do not ride your bicycle if the fork shows any signs of bending, cracking, leaking, or if it is missing any of the original supplied components. Any fall from your bicycle can result in serious injury or even death. Following these instructions can help you reduce the risk of being injured. We recommend thoroughly inspecting your suspension fork every year for riding safety and maximum performance.

### CONSUMER SAFETY INFORMATION

1. Never remove or have the steerer tube removed from the crown / fork legs. The steerer tube is a press fit from the factory. Press fit has a higher performance versus bolt-in joints, but can not be pressed out. Pressing them out will permanently damage parts beyond repair and render it unsafe for any use.
2. Do not add threads to a threadless steerer tube. Cutting threads will weaken the steerer tube and cause an unsafe condition. The only safe thing to do is to obtain the proper crown/ steerer from your dealer, or contact RST USA warranty service center or RST Europe.
3. Any other alteration or modification to your fork should be considered unsafe. Contact your dealer, or RST USA warranty service center or RST Europe prior to modifying your fork in any way for safety information.





## INSTALLATION INSTRUCTION

It is extremely important that your RST fork is installed correctly by a qualified bicycle mechanic. Improperly installed forks are extremely dangerous and can result in serious and/or fatal injuries. The steerer tube may need to be cut to length to fit your bicycle head tube. If you are not familiar with this procedure or do not have proper tools to cut the steerer tube, it is recommended that you seek a dealer with a qualified bicycle mechanic to perform the installation.

## FORK INSTALLATION

1. Remove the old fork from your bike.
2. To measure the length of steerer tube to fit your bicycle head tube, make sure there is sufficient length for headset, spacers and the stem (also refer to the stem manufacturer's instructions); you can use your old fork as guide for cutting the length of steerer tube. Please note: for the RST SINGLE SHOCK suspension fork, there is a minimum limited length of steerer tube, please see the minimum steerer length below before cutting.

MODEL NAME	Minimum length for steerer tube	Maximum Rotor Size
<ul style="list-style-type: none"><li>• SS-A7-T</li><li>• SS-A7</li><li>• SS-A8</li></ul>	210mm (assemble with star nut or RST compressor)	180mm
<ul style="list-style-type: none"><li>• SS-3.0</li></ul>	210mm (assemble with star nut or RST compressor)	flatmount : 160mm post : 180mm

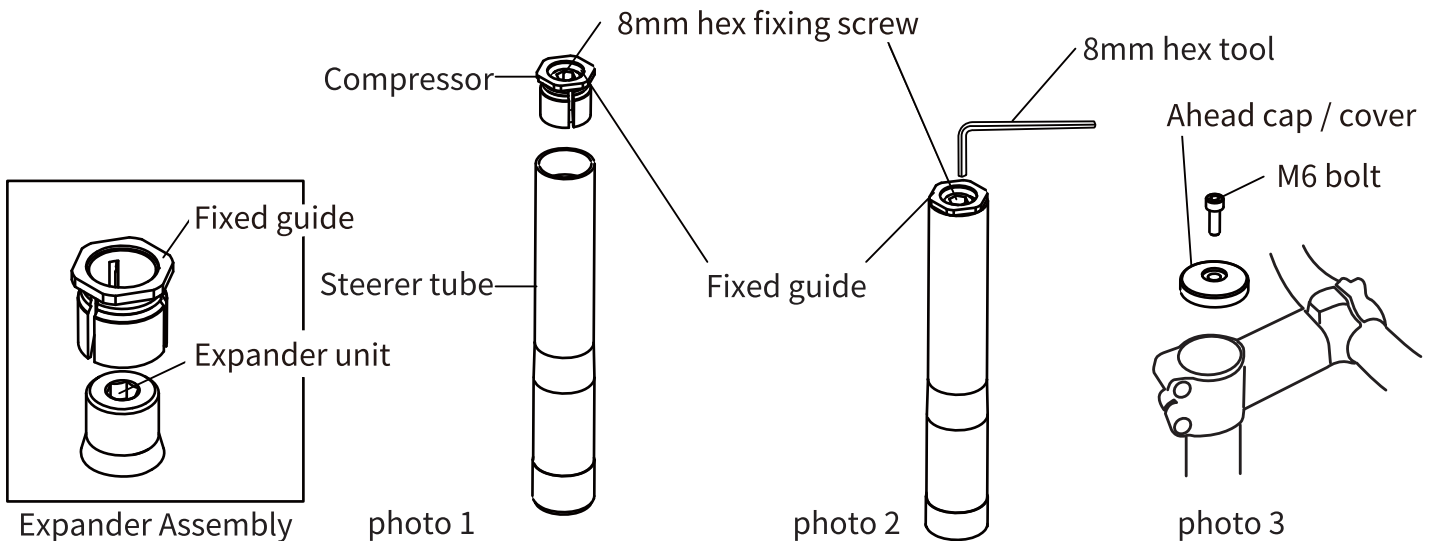
3. Install the headset crown race (as per manufacturer's instructions) firmly against the top of the fork crown.
4. Clean and lubricate the headset bearings and races.
5. Insert the steerer tube into the head tube of the frame.
6. Install the upper bearings, stem spacers and stem.
7. Install the stem cap and bolt. Tighten the bolt to headset manufacturer's specifications.
8. Install the handlebars to desired height and torque stem pinch screws or stem clamping system to manufacturer's specifications. Adjust the headset until you feel no play and drag.
9. Install the brakes and adjust per the manufacturer's instructions.
10. Install the front wheel into the dropout counter bore. The quick release must be tightened after it is properly seated into the dropout counter bores to manufacturer's specifications.
11. Your new fork is designed to break-in during your first few rides (about 20 hour total riding time). Prior to break-in, you may notice your fork feels tight and slightly notchy.

## Compressor installation guide (optional)

Instead of using a regular starnut, RST is offering an optional (re-usable) expander. The head tube expander is designed for SINGLE SHOCK After Market products.

The assembly sequence is as follows :

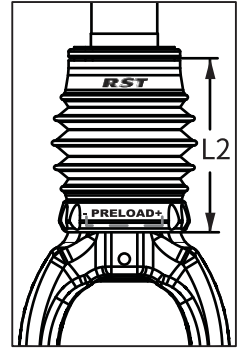
1. Place the expander into the correctly shortened steer tube (see Figure 1).
2. After fixing the outer hex (fixed guide) of the expander (as shown in Figure 2), fix the assembly with an 8mm hex key / tool (as shown in Figure 2). Lock it clockwise until you reach 18-21Nm torque).
3. Insert the steerer of the fork into the frame, install headset upper assembly, spacers and stem and adjust the headset play with the "ahead cap" (as shown in Figure 3). Tighten the stem according to the manufacturer's requirements.



## GENERAL WARNING

If the suspension fork ever begins to make "knocking" noises, or if it ever shows an unexplained increase in travel, or looks like it is extended farther than it was originally, stop riding your bicycle and bring it to a nearby RST dealer or distributor for inspection.

MODEL NAME	L2
A7	65mm
A7-T	73mm
A8	65mm
SS 3.0	65mm



## SAFETY MAINTENANCE

Before every ride, please perform the following inspection :

- 1.Ensure that quick release skewers are properly adjusted and tight.
- 2.Check entire fork for any obvious damage.
- 3.Check the headset for proper adjustment.
- 4.Ensure that the front brake cable is properly routed and check brake adjustment.
- 5.Check top caps, brake posts and shaft bolt for proper torque.
- 6.Check the condition of the shock boot.
- 7.If you find any damage at the boot, you should check the parts underneath like spring kit, seal or square axle. If there is no damage to be found, simply replace the boot immediately.
- 8.Please check the proper function of the suspension fork and if available, the function of the adjuster.
- 9.Please check the fork and function is working.

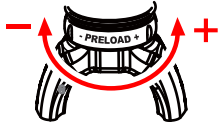
## CAUTION

Please do not ride your bicycle if the fork's dust boot is damaged or the fork without any dust boot at all.



## FUNCTION

### PRE-LOAD



Pre-load adjust function, featured exclusively in the SS-A7-T

Description of the function

1. The adjustment range is 2 1/2 to 3 turns of preload of the spring kit.
2. To increase the pre-load, please turn the adjuster clockwise.
3. To decrease the pre-load, please turn the adjuster counterclockwise.
4. From the factory, the fork will be delivered without any pre-load.

## WARNING

Changing the suspension settings on the fork can change the handling and braking characteristics of your cycle. Do not change the adjustment until you are fully familiar with the instructions and recommendations. Always check for changes in handling or braking by taking a careful test ride in a safe environment after each adjustment.

## LUBRICATION

To ensure the fork's optimum performance, we recommend regular lubrication with a suspension approved grease. Please send the fork to dealer or distributor for lubrication every six month.

## CAUTION

1. Before disassembly of the "SUSPENSION UNIT", we strongly recommended to consult an official RST dealer.

The authorized RST dealers will provide qualified technicians with proper tools and training to perform any service correctly. Improper disassembly may damage the product and lead to failure or even injuries.

2. Before completing maintenance, please make sure all screws have been securely tightened according the correct torque settings to avoid any injury.

### WARRANTY INFORMATION

Any RST fork found by the factory to be defective in materials and/or workmanship within one year from the date of purchase or two years from the date of manufacturing (whichever comes first), will be repaired or replaced at the option of the manufacturer, free of charge, when received at the factory with proof of purchase, freight prepaid. (The warranty in USA is 12 months; any region outside of USA will be subject to the local regulations.)

This warranty does not cover any fork that has been subject to misuse or abuse, including but not limited to, any breakage, bending, damage cause by crashes and/or assembly, improper maintenance, or other excessive, improper or abnormal conditions. This warranty does not cover paint damage.

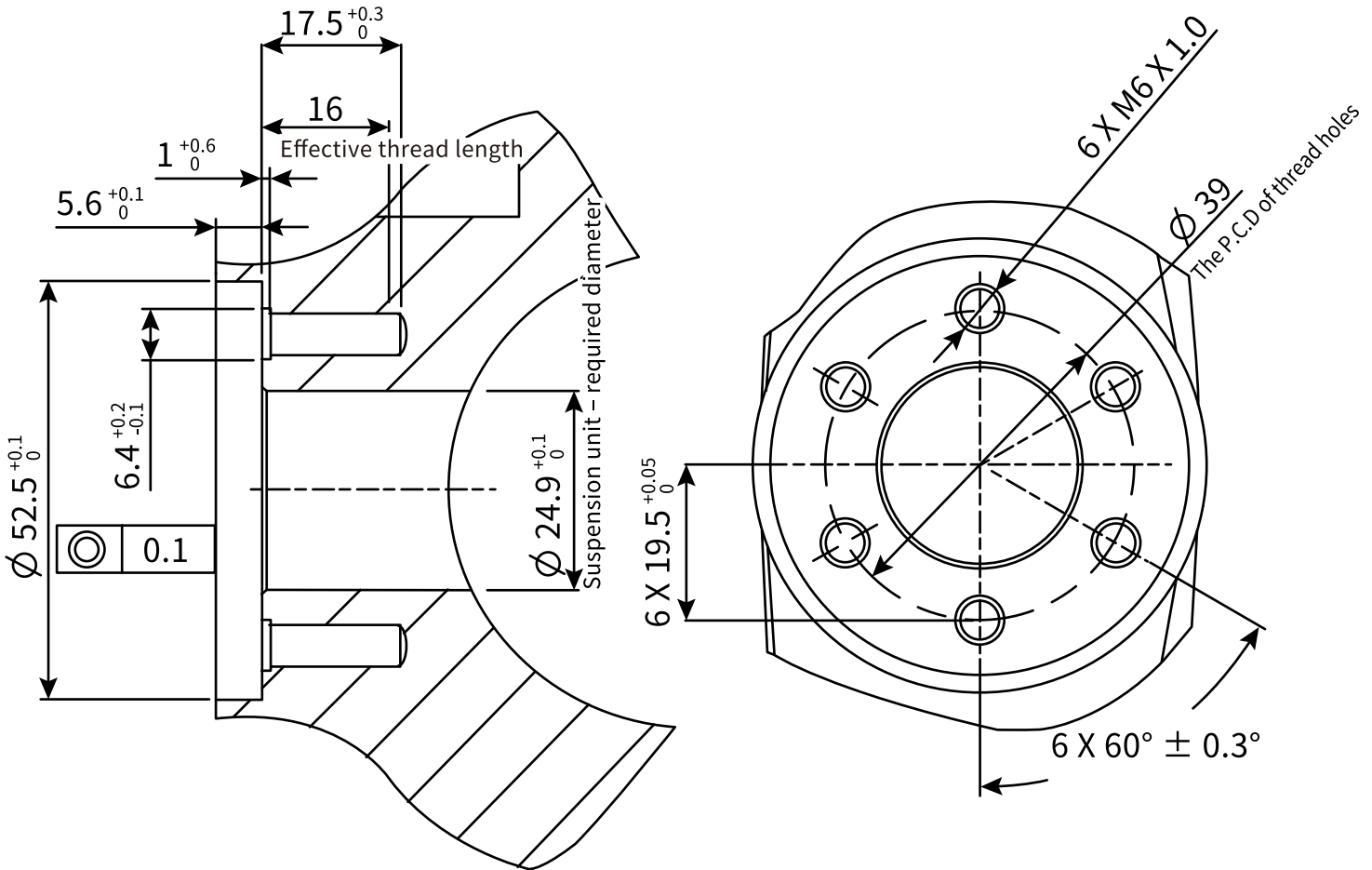
Any modifications or alterations made by the user will render the warranty null and void. This warranty is expressly in lieu of all other warranties, and any implied are limited in duration to the same duration as the expressed warranty herein. RST shall not be liable for any incidental or consequential damages. In the event that a product needs to be replaced and is discontinued or not available, RST reserves the right to replace the product with one of equal value, not credit or refund will be issued.

This product is not intended for use in stunt or acrobatics riding, ramp jumping, or similar activities, the user assumes that any personal injuries, product damage or failure, and any other losses which may arise under such using.

If for any reason warranty work is necessary, return the fork to the place of purchase. In the USA, dealer should call RST USA warranty service center. Customers in countries other than USA should contact their local dealer or distributor or RST Europe.

## SS 3.0 Single shock installation

### 1. Fork lower installation manual



Fit the position of six thread hole as in the attached picture

### 2. Preparation

Unscrew and remove the spring kit from the steerer, turn counterclockwise.

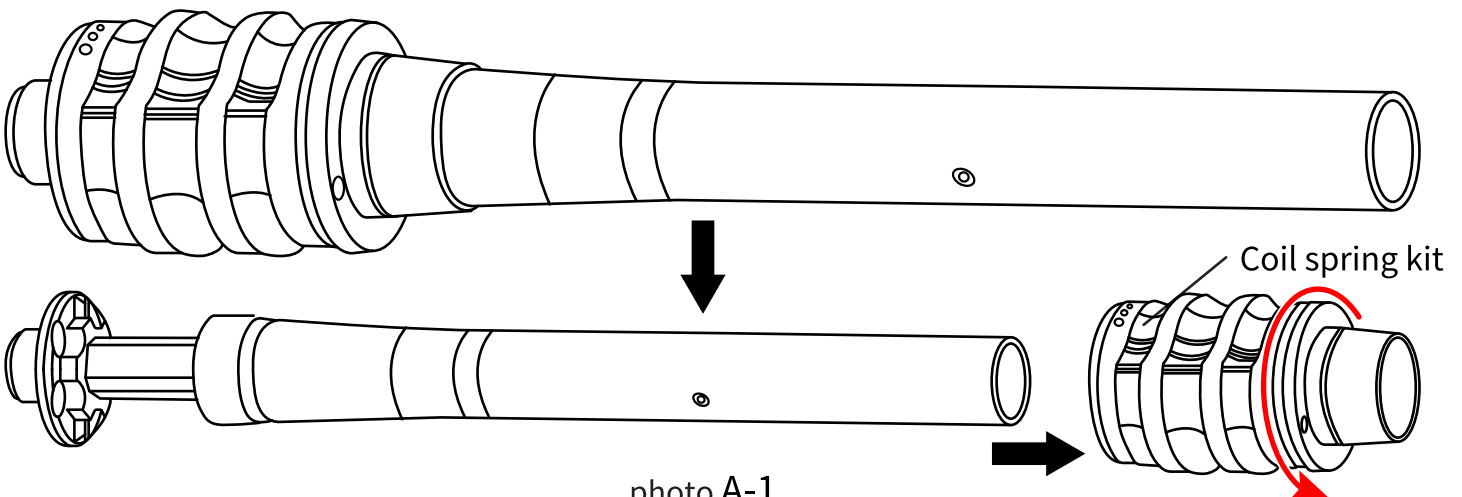


photo A-1

Remove the spring kit from the steerer unit.

3. With the notch facing forward, match the six holes of steerer to the holes of fork legs / lower, and only use the delivered RST special screws for the assembly of suspension unit to the fork legs / lower.

Please use a standard 4mm allen key – fix the screws clockwise in the following order : 1 to a, 2 to b, 3 to c, 4 to d, 5 to e, 6 to f; fasten the screws until you reach the maximum torque of 7Nm.

Note : please **do not** compress the steerer during installation.

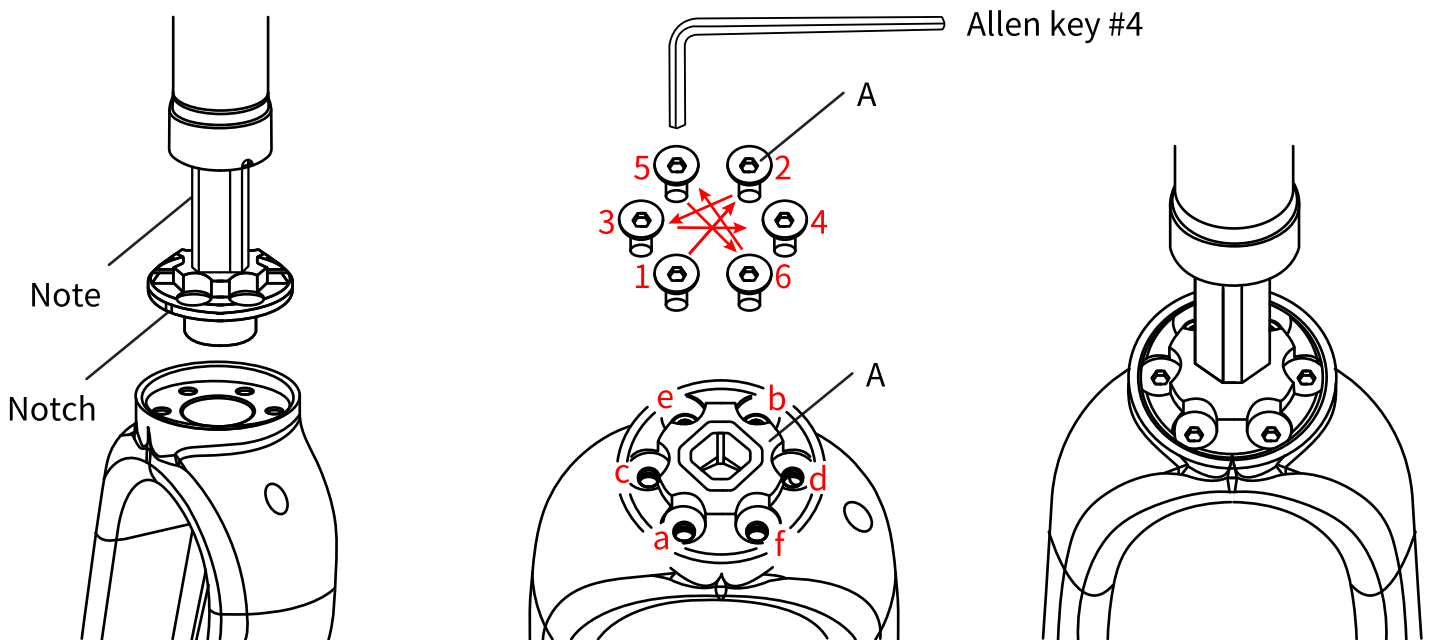


photo A-2

4. Routing the coil spring kit clockwise by 5N-m, and make sure L is match the length.

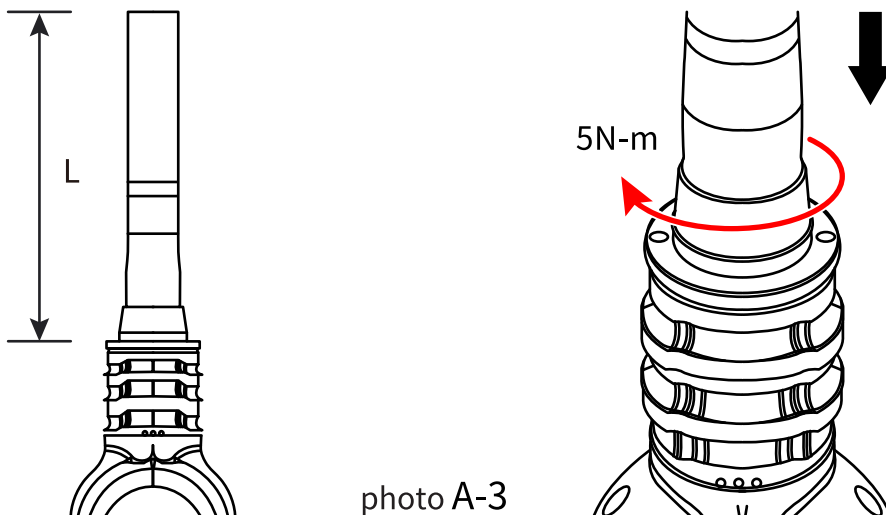


photo A-3



# SINGLE SHOCK

## OWNER'S MANUAL

### RST GLOBAL NETWORK

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