RST
RAPID SUSPENSION TECHNOLOGY

OMNI



OWNER'S MANUAL

ENGLISH

ENGLISH

CONGRATULATIONS on choosing a **RST** suspension fork. You have the best in suspension components on your bicycle! This **RST** fork is fully assembled and ready to be installed onto your bicycle.

▲GENERAL WARNING

This manual contains important information about the safe operation and maintenance of your fork. Reading this manual entirely, and properly maintaining 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 recommends returning your suspension fork every 2 years for a thorough inspection and update.

IMPORTANT

RST fork is an off-road fork, and as such, does not come with proper reflectors for on-road use. Have your dealer or mechanic install proper reflectors to meet the Consumer Product Safety Commission's (C.P.S.C.) requirements for bicycles if the fork is going to be used on public roads at any time.

CONSUMER SAFETY INFORMATION

1. Never remove or have the steerer tube or stanchions removed from the crown. The steerer tube and stanchions (inner legs) are press fit at the factory. Press fit inner legs have higher performance versus bolt- in inner leg, but can not be pressed out. Pressing them out will permanently damage the crown 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** North America warranty service center at 1-888-RST-7731.
3. Any other alteration or modification to your fork should be considered unsafe. Contact your dealer or **RST** North America warranty service center prior to modifying your fork in any way for safety information.
4. Do not use the **RST** fork if any parts are broken, bent, cracked, or you suspect may be damaged. Contact your dealer or RST North America warranty service center, if you have any question concerning the integrity or condition of your fork.
5. **RST** recommends that you inspect your fork before every ride for wear and damage. Inspect the crown, inner legs, outer legs dropout and brake arch areas for cracks or damage.

WARRANTY INFORAMTION

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; the region outside of USA will be subject to the local regulation.)

This warranty does not cover any fork that has been subject to misuse or abuse, including but not limited to, any breakage, bending, damage caused by crashes and/or collisions, owner's neglect, improper installation, and / or assembly, improper maintenance, or other excessive, improper or abnormal conditions. This warranty does not cover paint damage. Any modifications or alternations 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, no credits or refunds 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, dealers should call RST North America warranty service center at 1-888-RST-7731.

Customers in countries other than USA should contact their local dealer or distributor.

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. Ensure that the proper steerer tube has been delivered on your RST fork. 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 the proper tools to cut the steerer tube, it is recommended that you seek a dealer with a qualified bicycle mechanic to perform installation.

▲WARNING

The steere tube and stanchions (inner legs) are a one-time precision press fit at the factory and cannot be removed From the crown. Replacement of the entire crown/steerer assembly must be done to change steerer tube lengths or diameters. Removing and replacing the steerer tube or stanchions will result in an unsafe condition and should never be done.

FORK INSTALLATION

1. Remove the old fork from your bike
2. Measure the length of steerer tube to fit your bicycle head tube, make sure there is sufficient length to clamp the stem (refer to the stem manufacturer's instructions), you can use your old fork as guide for cutting the steerer tube length.
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 manufacture 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. Make sure to check the tire clearance. To check tire clearance, remove the MCU and/or spring stacks and compress the fork completely to make sure at least a 1/4 (6.4mm) of clearance exists between the top of the tire and the bottom of the crown.
12. Your new fork is designed to break-in during your first few rides (about 20 hours total riding time). Prior to break-in, you may notice your fork feels tight and slightly notchy. Following the break-in period, your fork Will feel much smoother and will react to bumps much better than when you first put it on your bike.

IMPORTANT

RST fork should not be used if any parts appear to be or are damped.
Contact you local dealer or distributor for replacement parts.

MAINTENANCE

IMPORTANT

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.

Before every ride, please perform the following inspection:

1. Ensure that quick release skewers are properly adjusted and tight.
2. Wipe the inner legs and clean and 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.

Every week or 8-10 hours of riding or whenever the performance of the fork has deteriorated (whichever occurs first), perform the following procedures:

1. Check top caps, brake posts and shaft bolt for proper torque
2. Apply a light amount of grease to the wiper and stanchion.

Every 4 weeks or 25-30 hours of riding or whenever the performance of the fork has diminished (whichever occurs first), perform the following procedures:

1. Disassemble fork and throughly clean grease and residue form each part.
2. Inspect all parts for damage such as cracks, abrasions, and normal wear. If parts are found to be damaged or excessively worn in any way, replace them immediately. Stop using this product until the damaged or worn parts have been replaced. If all the parts are in usable condition, proceed to step 3.
3. Apply a liberal amount of grease to the upper and lower bushing, stanchion, valve assembly, and wipers. Fill the wipe pocket with a generous amount of grease. Do not use a lithium based grease as it may damage the bushing material.

Bushing replacement

If the event that **RST** fork founded excessive play between the stanchion and outer leg, the bushing will need to be replaced.

IMPORTANT

Replacing bushing requires special tools to remove and install the bushing properly. **RST** strongly recommends this work shall be done by a qualified mechanic with the proper tools. Improperly installed bushings are extremely dangerous and can result in serious and / or fatal injuries.

AIR PRESSURE

RST air system suspension fork (AEROSA-BAS, and all AT and AET series products) need to be adjusted the air pressure subject to the road condition and rider weight, please refer to the following suggestion:

Rider weight (Kgs)	AEROSA-BAS	AT or AET series*
	Pressure (psi)	Pressure (psi)
51-60	35-45	120
61-70	40-50	130
71-80	45-55	140
81-90	50-60	150
91-100	55-65	160
101 up	60 up	170

***Note: Recommended Maximum Air Pressure is 250 PSI**

If you have any question regarding **RST** fork, Contact your dealer or **RST** North America warranty service center at 1-888-RST-7731, or visit our website www.rst.com.tw

Thank you again for choosing a **RST** suspension fork.