RST

Owner's Manual

ENGLISH

E-TACK

TAIPEI CYCLE d&i awards 2025 by iF



Thank you for purchasing RST products.
Your bicycle will have optimal shock absorption.
Next, we will introduce the operation and usage of the E-TACK system.

2.4G RF quick connection system, series shock absorber and seat post

Installation instructions

Remote control

Instructions

1. Linked Fork mode switching/Dropper height adjustment.
2. The remote-control buttons can be switched between push forward and pull back modes around 0.3 SEC.
3. Factory setting: push forward when connected to the seat tube/pull back when connected to the suspension.

- **Warning ! For your safety, do not make any mode changes during the ride "unless necessary" to avoid accidents.**



Push forward seat post

Pulls is connect the fork

Remote control indicator light description

- Switch between automatic and manual buttons from place A.
- In automatic mode, the road surface detection time is about 1 second.



Button switch automatic /manual



white light is automatic



green light is manual

Remote Control Battery

TOSHIBA CR2032 Lithium Battery

- **The remote control will become unresponsive at temperatures below 20°C and will automatically switch to manual mode.**
- **It is recommended to use CR2032A batteries at temperatures below 20°C.**
- **WARNING! Do not swallow the battery. Swallowing may cause serious injury or death. If swallowed, seek immediate medical attention.**
- **Do not put the battery in your mouth and keep it away from children and pets.**
- **Avoid short circuits, overheating, proximity to fire, or discharging into water, as this may cause explosion or leakage.**
- **Please recycle according to local regulations. Do not dispose of with general waste.**

CONGRATULATIONS on selecting an RST suspension fork.
You have chosen the best suspension components for your bicycle ！
This RST fork is fully assembled and ready for installation on your bicycle.

CAUTION
Proper care and maintenance of your RST product is necessary for longevity and optimum performance.
Failing to perform routine maintenance will decrease the performance of the product and may lead to premature deterioration or even failure of the product. Lack of maintenance may also jeopardize the safe operation of your fork and will void the warranty.

GENERAL WARNING
This manual holds essential information about the safe operation and maintenance of your fork. Reading this manual entirely and professional maintaining your bicycle and suspension fork is essential. 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 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 returning your suspension fork to your dealer or an authorized service center annually for a thorough inspection and service.

IMPORTANT
This 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 Customer 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 fitting of the inner legs and steerer tubes has higher performance versus having clamped stanchions or steerer tubes, but they can NOT press out and changed. Pressing them out will permanently damage the crown beyond repair and make it unsafe for any use.
2. Do NOT try to thread a thread-less 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, contact RST USA warranty service center or RST Europe.
3. Any other alteration or modification to your fork is unsafe and will avoid the warranty. Contact your dealer, RST USA warranty service center, or RST Europe prior to modifying your fork in any way for safety information.
4. Do not use an RST fork if any parts are broken, bent, cracked, or you suspect may be damaged. Contact your dealer, RST USA warranty service center, or RST Europe, if you have any questions concerning the integrity or condition of your fork.
5. RST recommends that you inspect your fork before every ride for wear and damage. Please pay particular attention to the crown, stanchions, sliders, dropouts, and brace for any sign of cracks, bending, or damage.

WARRANTY INFORMATION
Any RST fork found, by the factory, to be defective in materials and/or workmanship within two year from the date of purchase 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. 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 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. If 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 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 all risks of personal injury, product damage or failure, and any other losses which may arise under such use. If for any reason, warranty work

WARNING

The steerer 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. Attempting to remove and replace 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 install the stem (refer to the stem manufacturer' s instructions), you can use your old fork as guide for cutting the length of steerer tube.
2. Measure the length of steerer tube to fit your bicycle head tube, make sure there is sufficient length to install the stem (refer to the stem manufacturer' s instructions), you can use your old fork as guide for cutting the length of steerer tube.
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 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' specifications.
11. Make sure to check the tire clearance. To check tire clearance, remove the air pressure and/or spring stacks and compress the fork completely to make sure a minimum of 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-hour total riding time). Prior to break-in, you may notice your fork feels tight and slightly sluggish. Following the break-in period, your fork will feel much smoother and will react to bumps better than when you first put it on your bike.

SAFETY MAINTENANCE

Before every ride, please complete the following inspection：

1. Ensure that quick release skewers and thru axles are properly adjusted and tight.
2. Wipe the stanchions and outer legs 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.
5. Check top caps, brake posts and shaft bolt for proper torque.
   Please pay particular attention to ensure that steerer and stanchion tubes are still parallel. (Bending of the fork forward or backward is a common trait of hard landings.)
   Whenever the performance of the fork is noticed to have diminished or it has reached a service interval (whichever occurs first), perform the following procedures：

Bushing replacement：
In the event that an RST fork is founded to have excessive play between the stanchion and outer leg, the bushings will need to replace.
All forks, which have been 5 years or more, should be inspected and serviced annually if they are going to remain in use.

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

Suggested service intervals for all RST suspension forks			
Normal Conditions		**Severe Conditions**	
Short Sporadic Rides	Long Frequent Rides	Short Sporadic Rides	Long Frequent Rides
Every 6 months	Every 4 months	Every 4 months	Every 3 months

Normal wear and tear parts are identified as follows			
1	Dust seal	6	Remote lockout cable
2	Air sealing O-ring	7	Bushing
3	Rubber moving parts	8	Stanchion (upper tube)
4	Rear shock mounting hard and main seal	9	Pivot
5	Stripped/bolt	10	Lubricant-grease

Suggested replacement/service intervals of wear and tear parts as follows			
Dust seal	6 months	Rear shock mounting	1 year
Air sealing O-ring	1 year	Remote lockout cable	1 year
Rubber moving parts	1 year	Lubricant--grease	6 months

FORK

Instructions for Use

1. Power On：Press the power button for 1 second to turn on the front fork.
2. Indicator Lights: the front fork indicator lights flash approximately every 2 seconds.
3. Sleep Mode：After two minutes of inactivity, it will switch to automatic mode. After entering automatic mode, it will enter sleep mode after another two minutes of inactivity.
4. Power Off：Shaking during transport may wake the front fork, causing insufficient battery power.
   It is recommended to press and hold the power button on the front fork for 5 seconds until a purple light appears, then release the button to turn it off.
5. Wake Up the Front Fork：Press the power button for 1 second to turn on the front fork.
6. Indicator Lights：In automatic mode, a white light and a flashing mode indicator light (the two colors alternate) will illuminate.

Front fork indicator light description



White Light AUTO Smart Mode
After the white light appears, the current mode indicator light will then appear, alternating continuously.



Blue light＝OPEN



Green light＝
PEDAL COMPRESSION DAMPING



Orange light＝
LOCK OUT



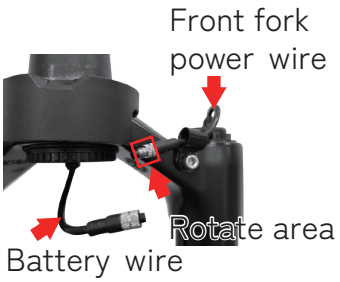
Red light Low battery mode
After flashing the current function light, it flashes a red light, alternating continuously.

Front Fork Battery

- **When the battery level is below 20%, the front fork switches to manual mode.**
- **WARNING! Do not swallow the battery. Swallowing may cause serious injury or death. If swallowed, seek immediate medical attention.**
- **Do not put the battery in your mouth and keep it away from children and pets.**
- **Avoid short circuits, overheating, proximity to fire, or discharging into water, as this may cause an explosion or leakage.**
- **Please recycle according to local regulations. Do not discard with general waste.**

Instructions

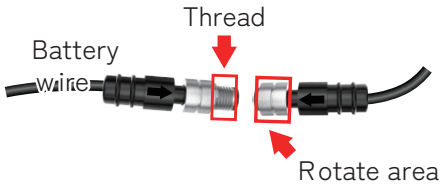
When using it for the first time, it is recommended that the battery be sufficient for more than 6 hours.



1 **Unplug the front fork power wire and battery wire**
First loosen the connection point of the cord, then unplug and separate the power cord.



2 **Remove the battery**
Use a special tool to release by clockwise and pull down to remove the battery.



3 **Battery connection charging cable**
After connecting to each other according to the arrows at the end of the line, twist the silver block 2-3 times.



4 Plug in the Type-C adapter and start charging.

Battery indicator light description



1.The red light stays on while charging.



2.The green light stays on when fully charged.

- Operating Conditions：

Voltage Range	3.6V ~ 7V
Operating Temperature Range	-10˚C ~ 85˚C
Storage Temperature Range	-20˚C ~ 85˚C
Relative Humidity (Operating)	≤90%
Relative Humidity (Storage)	≤90%

This device follows Part 15 of the FCC Rules.
Operation is subject to the following two conditions：
- This device may not cause harmful interference and
- This device must accept any interference received, including interference that may cause undesired operation.

Federal Communications Commission (FCC) Statement 15.105(b)
This equipment has been evaluated and found to follow the limits for a Class B digital device, following part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used following the instructions, may cause harmful interference in radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be figured out by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures：
- Reorient or move the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could avoid the user’s authority to use the equipment.

Rage Circuit / NCC statement
According to NCC LP0002 Low Power Radio Frequency Equipment Technical Specification, Chapter 3.8.2：
Without approval, companies, businesses, or users may not arbitrarily change the frequency, increase power, or alter the original design characteristics and functions of low power radio frequency equipment that has obtained certification.
The use of low power radio frequency equipment must not affect flight safety or interfere with legitimate communications; if interference is detected, it should be immediately stopped and the situation rectified until interference is eliminated before continued use.
Legitimate communications refer to radio communications running following the Telecommunications Management Act.
Low power radio frequency equipment must tolerate interference from legitimate communications or industrial, scientific, and medical radiating electrical equipment.

15.21
You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could avoid the user’s authority to run the equipment.

RST

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