



User manual B-series

Rear shock absorber

YASUSU Shock Series

CONGRATULATION

Your specialized bicycle is outfitted with YASUSU shock in suspension components. YASUSU shock products are designed, tested and manufactured by the professionals in the industry in Taiwan.

It is our intent with this manual, to help you set up your shock so you can achieve your best ride performance possible. We believe the better you understand how your shock adjustments can impact and improve your ride, the more you will want to ride and have fun!

This manual provides step-by-step instructions of how to setup and maintain your shock. So please take the time to read and learn about your shock.

In addition, this manual contains important information about the safe operation and maintenance of your shock. To ensure that your shock performs properly, we recommend you have a qualified bicycle mechanic service your shock. We also urge you to follow our recommendations to help make your bicycling experience more enjoyable and trouble-free.

This manual only covers the rear shock that came on your specialized bicycle. Consult your bicycle owner's manual for any issues associated with your bicycle.

IMPORTANT SAFETY INSTRUCTION READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. Read these instructions - All the safety and operating instructions should be read before the product is operated.
2. Keep these instructions - The safety and operating instructions should be kept for future reference.
3. Heed all warnings - All warnings on the product and in the operating instructions should be adhered to.
4. Follow all instructions - All operating and use instructions should be followed.
5. Do not attempt to DISASSEMBLE shocks by yourself(it is prohibition) if it is compressed or has not returned (will not return) to its original neutral length (with no load on the shock). This can result in serious or fatal injuries.
6. If the shock ever loses oil or makes abnormal noises, stop riding and have the shock inspected by qualified technician. A broken or malfunctioning shock can result in loss of control and possible serious or fatal injuries.
7. Follow the correct maintenance recommendations listed on the inside cover of this manual.
8. Do not modify your bike frame or shock. Use only genuine YASUSU shock parts. Modification, improper service or use of aftermarket replacement parts voids the warranty and could cause the shock to malfunction, and can cause loss of control resulting in serious injury or death.
9. YASUSU shock contain a nitrogen charge. Do not pry out the shock body or remote reservoir. The charged portion of the shock should only be opened by a professional technician. Opening a nitrogen pressurized shock can be dangerous and can result in serious injury or death.
10. Please obey above safety instructions.

GENERAL MAINTENANCE

YASUSU provides high performance shocks. To ensure products for further working and extend lifetime some maintenance you should be particularly known.

- If you ride in extreme conditions, take care of your shock more frequently.
- Inspect all shocks bolts and tighten if necessary to required torque settings.
- Wash your shock with soft soap(detergent) and water only.
- Do not use a high pressure washer to clean your shock.

BASIC TERMS

TERMS

Bottom Out: When a rear shock is compressed completely and all the shock travel has been used.

Compression Stroke: The motion of the shock in response to an impact.

Damping: Internal mechanism to control the speed of compression or rebound.

Rebound: The extension or return stroke of the shock.

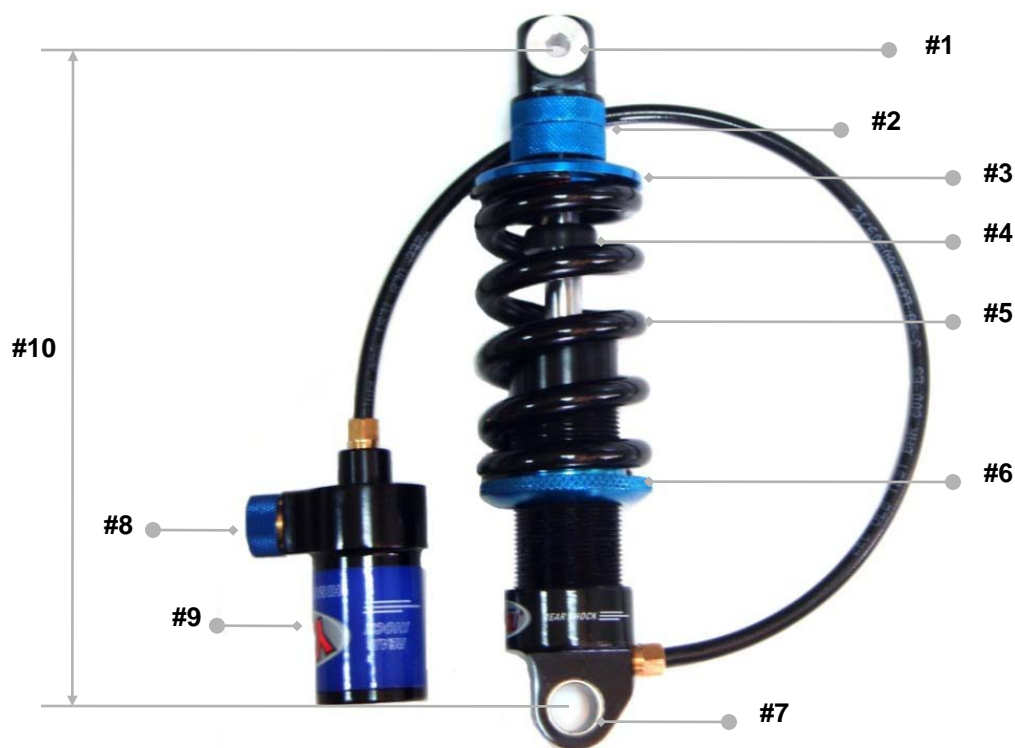
Sag: Compression of the shock caused by the only one rider's static weight.

Spring Rate: The amount of force required to compress the spring.

Topped Out: When the shock rebounds quickly enough to cause a "clunk" at the very top of its upstroke.

SHOCK DESCRIPTION

YASUSU shock model BRCP101 as shown below:



TERMS

- #1: Reducer (varies depend on bike model)
- #2: Rebound adjust
- #3: Spring retainer
- #4: Bottom- out bumper
- #5: Coil spring(shows spring rate)
- #6: Preload adjust
- #7: Eyelet
- #8: Compression adjust
- #9: Reservoir
- #10: Shock length(eye to eye)

NOTE: THIS DESCRIPTION IS ONLY FOR MODEL BRCP101. REST MODELS POSSESS RELATED FUNCTION, PLEASE REFER TO THIS PAGE.

YASUSU Shock Series

SET UP & SAG

SETUP

Please refer to the shock manuals for specific information on how to adjust the shock on your bicycle. The shock on your bicycle can be adjusted to meet your riding style and weight.

This manual is intended as a quick-start guide to help you get started.

It may take a few rides to find your preferred settings.

Sag

All bikes rely on sag for it's shock to work efficiently. Please take a few moments to read through this guide to understand sag as it applies to your bicycle.

Setting your bike's sag will greatly enhance your riding experience and the performance of your bicycle.

SAG MEASUREMENT

Sag measurement:

Use this procedure to measure the sag on your YASUSU shocks:

STEP 1

1. Before sitting on the bicycle, measure and record the distance from the center of one to the center of the other one(eye to eye length).

STEP 2

2. Sit on the bicycle in a normal riding position. Your weight should be distributed on the saddle, handlebars and pedals. It may be necessary to hold yourself up against a wall or post to steady yourself. Do not bounce on the pedals or saddle.
3. Have an assistant measure and record the eye to eye distance after weighted.
4. Subtract step 2 from step 1. The difference between the two is sag.

SETTING SAG

Setting sag is necessary to obtain the best performance from your shock. To set sag:

1. Measure sag as described on page 6, and compare it to the recommended sag setting shown in the coil spring settings table below.

2. Adjust the preload ring accordingly:

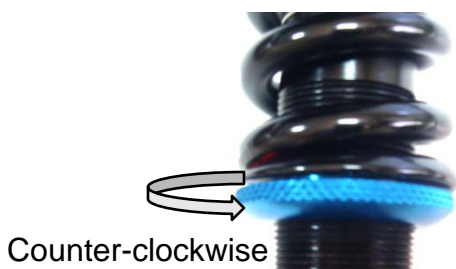
If sag is lower than on the table, turn the preload ring clockwise. Always ensure that the spring is secure and does not freely move.

NOTE: AFTER THE PRELOAD RING ENGAGES THE SPRING, TURN THE PRELOAD RING CLOCKWISE . IF THE PRELOAD RING NEEDS TO TURNED CLOCKWISE FROM THIS POINT TO ACHIEVE PROPER SAG, YOU WILL NEED TO OBTAIN A LOWER RATE SPRING.

If sag is higher than on the table, turn the preload ring counter-clockwise no more than full two turns after the preload ring engages the spring.

NOTE: IF AFTER THE PRELOAD RING ENGAGES THE SPRING, MORE THAN 2 FULL COUNTER-CLOCKWISE TURNS ARE REQUIRED TO ACHIEVE THE PROPER SAG SETTING, YOU WILL NEED TO OBTAIN A HIGHER RATE SPRING.

3. If necessary, contact YASUSU to obtain a higher- or lower- spring rate.

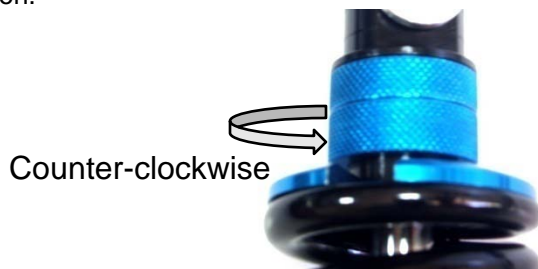


Spring Setting	
Shock Travel Inches/mm	Recommended Sag Inches/mm
0.78/20	0.19/5
0.98/25	0.24/6.25
1.18/30	0.29/7.5
1.37/35	0.34/8.75
1.54/40	0.39/10
1.77/45	0.44/11.25
1.96/50	0.49/12.5
2.16/55	0.54/13.75
2.36/60	0.59/15

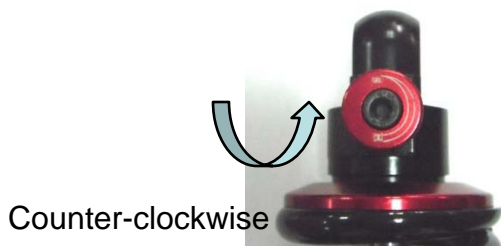
NOTE: RECOMMENDED SAG IS ABOUT 25%~35% OF SHOCK TRAVEL.

REBOUND DAMPING ADJUSTMENT

Rebound damping controls the speed at which the shock returns to its full travel position after compression. The YASUSU shock features a rebound damping adjust (**see page 5 #2 item**) to dial in your rebound setting. Rebound is quickest when the adjust is in the full counter-clockwise position and slowest when the adjust is in the full clockwise position.



Only for model BRCP101, BRNP501 and BRCP601



Only for model BK7, BRCP102 and BRCP602

Setting rebound

Starting for your rebound damping setting can be accomplished by suggestion. Rebound controls the rate at which your shock returns after it has been compressed. The proper rebound setting is a personal preference, and changes with rider weight, riding style and conditions.

Suggestion:

1. If rider feel rebound too fast, please turn adjust clockwise.(fit for flat road)
2. If rider feel rebound too slow, please turn adjust counter-clockwise.(fit for pit ground)

NOTE: BE SURE THIS TEST IS PERFORMED AFTER YOU HAVE SET UP YOUR SAG.

IMPORTANT: BE SURE THIS TEST IS PERFORMED IN A SAFE REGION!

COMPRESSION DAMPING ADJUSTMENT

Compression damping controls the speed at which the shock sags. The YASUSU shock features a compression damping adjust (**see page 5 #8 item**) to dial in your compression setting. Compression is quickest when the adjust is in the full counter-clockwise position and slowest when the adjust is in the full clockwise position.



Only for model BK7, BRCP101,
BRCP102, BNCP201, BNCP401,402,
BRCP601 and BRCP602

Setting compression

Bottom-out resistance affects the final part of the compression stroke. The knob can be turned by hand to S-side or H-side. Do not use any other tool to turn the knob. Fully turn to clockwise stands for lock-out function.

Suggestion:

1. If rider feel compression too fast, please turn adjust clockwise.(fit for pit road)
2. If rider feel compression too slow, please turn adjust counter-clockwise.(fit for flat road)

NOTE: BE SURE THIS TEST IS PERFORMED AFTER YOU HAVE SET UP YOUR SAG.
IMPORTANT: BE SURE THIS TEST IS PERFORMED IN A SAFE REGION!

WARRANTY

YASUSU warrants all shocks supplied by YASUSU. It's free from malfunction for 12 month from date of shipment . During the warranty period, YASUSU will repair or replace the shocks for free.

Limitations

This warranty does not apply to malfunction or oil leakage caused by abuse, modification, or to use of the product for which it was not intended.

If a problem occurs, please contact YASUSU with the shock model, and thoroughly describe the nature of the problem.

Claims for Shipping Damage

When you receive the products, inspect it immediately for any damage or oil leakage. If the product is damaged, file a claim with the carrier. The factory will supply you with a quotation for estimated costs of repair. You must negotiate and settle with the carrier for the amount of damage.



NOTES

YASUSU Shock Series

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

For more information on using the YASUSU series products with application, please contact our Technical Support Team directly at +886 6 2534106, or by email to service@yasusu.com



Her Cheng(YASUSU) Co., Ltd. No.148, Yansin St.,
Yongkang City, Tainan County 71046, Taiwan (R.O.C.)
Tel: +886 6 2534106 Fax: +886 6 2534109

Website: www.yasusu.com