

BOSS
MOUNTAIN-BIKE *SUSPENSION*

IDYLLE SC

Model year 2014

USER MANUAL

WARRANTY



Terms and conditions

BOS MTB offers warranty on its products on the following terms:

BOS MTB guarantees to the original purchaser that the BOS product for which they received this warranty is free from defects in material and workmanship for one year from the date of original retail purchase. A proof of purchase will be asked for any warranty claim. This warranty is not transferable to a subsequent purchaser.

Wear and tear parts such as dust seals, O-rings, bushings, rear shock mounting hardware, stanchions, threaded parts and bolts are not covered under this warranty.

Terms

This warranty is subject to legal jurisdictional or warranty rights of the country where it has been originally purchased, which will prevail if different from the terms herein listed.

Limits

BOS MTB cannot be liable for any loss, inconvenience damages, whether direct, incidental, consequential, resulting from the use of its products, local legislation prevailing.

Warranty exclusions

This warranty does not cover the following cases:

- Damage to products resulting from improper assembly other than listed below
- Products that have been modified by the owner or a third party
- Improper use
- Damages resulting from an accident, crash under any circumstances
- Invalid servicing procedures and servicing time frame not respected
- Replacement of the original parts by parts from others manufacturers
- Products whose serial numbers has been altered, defaced or removed.

Warranty procedure

The owner should always refer to an approved BOS center for any warranty claim. A proof of purchase is compulsory for any warranty claim. Otherwise the warranty claim will not be considered. Always contact BOS MTB warranty department before returning any products that may fall under this warranty. If "the faulty parts" do not fall under warranty, the customer will be charged for any costs in respect with warranty such as transport and package back and forth.

Settings & Maintenance



1 . Assembly

Fitting your Idylle SC onto your bike requires care and attention. For your safety, please follow these instructions.

1.1 The steer tube

Before cutting the steer tube, first take some measurements: height of the headset, length of the headtube of the frame, height of the stem, and then add 5 to 10mm.

Calculate the length as below:

Add the length of the headtube, the height of the headset, the height of the stem, plus 5 to 10mm.

Caution :

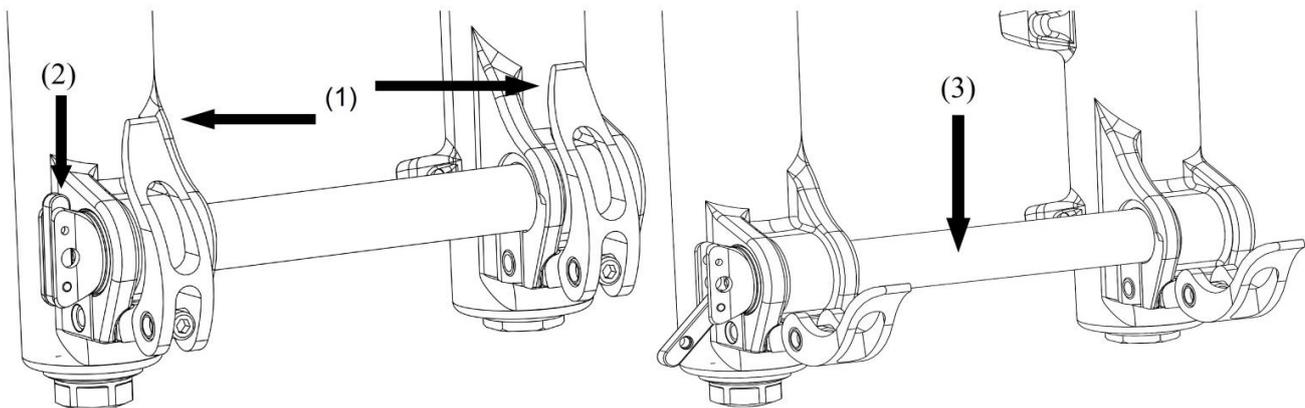
Never attempt to remove or replace the steer independently from the crown. Modifying the integrated crown, steer, or stanchions independently can cause an assembly failure, resulting in a loss of control of the bicycle and serious injury.

1.2 Initial wheel installation

To install the front wheel, follow these instructions:

- 1 – Open the quick releases on each side of the fork (1)
- 2 – Open the folding lever (2)
- 3 – Unscrew and remove the axle (3)
- 4 – Insert the wheel in the dropouts
- 5 – Insert the axle and screw it completely. Fold the lever. Close the quick releases.

To disassemble the wheel, follow these instructions in reverse.



Important:

The QR bolts are originally torqued between 4 and 4.5 N.m.
It may be useful to check this regularly.

1.3 Disk brake installation

The Idylle SC uses standard post mount 160 (PM160) disk brake mount.

To assemble the disc brakes, follow this procedure:

1. Install the disc brake caliper according to disc brake manufacturer's specifications.
2. Torque all fasteners and bolts to manufacturer's recommendations. Consult the instructions that came with your disc brakes for proper installation procedures. It is recommended to install NEW disc brake pads, to ensure proper alignment and to minimize drag.

3. Route the disc brake hose (for hydraulic disc brakes) or brake cable housing (for mechanical disc brakes) from the caliper to the inside of the lower leg and through the supplied disc brake hose guide.
4. Tighten the disc brake hose guide screw (M3 x 12) with a 2.5 mm-hex key wrench, and torque it to 1 N.m.
5. Test the brakes for proper operation on level ground before hitting the trails.

The disc brake caliper mounting bolts must have 10 mm of thread engagement with the fork. Never exceed 10 N.m. of torque when tightening the disc brake caliper mounting bolts.

2. Settings

2.1 Air Spring

The first adjustment that should be done on the fork is to set the air pressure. This adjusts the stiffness of the air spring according to your weight. The stiffness of the air spring induces a degree of fork travel when you sit on your bike. This value, commonly called sag, can vary based on your usage. This value should be between 27mm (smooth terrain) and 45mm (rough terrain/downhills). The sag measurement should be taken with both feet on the pedals and both hands on the bars, arms and legs in the attack position.

To achieve the best performance from your BOS product, it is important to set your optimal pressure. The chart below will give you some base values based on your weight. Your specific pressure may vary based on your riding style and personal preference. However, do not stray too far from the indicated pressures, or you may risk changing the performance of your fork.

Recreational use :

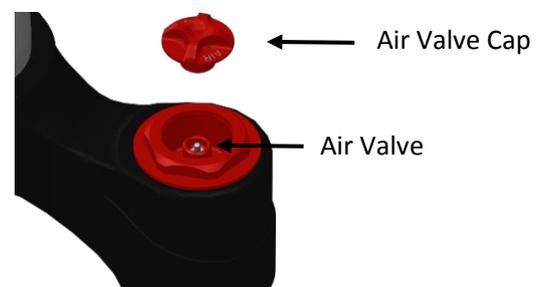
Weight (Kg/lbs)	60/132	65/143	70/154	75/165	80/176	85/187	95/210
Air Pressure (PSI) +/-10 PSI	180	185	190	195	200	205	210

Racing use :

Weight (Kg/lbs)	60/132	65/143	70/154	75/165	80/176	85/187	90/198
Air Pressure (PSI) +/-10 PSI	185	190	195	200	205	210	215

Caution :

Minimum air pressure: 175 PSI
Maximum air pressure: 225 PSI



Important :

Balancing the air chamber pressure:

To ensure optimum operation, it is important to balance the positive and negative chambers every time you adjust the air pressure.

Proceed as follows:

After adjusting the pressure, cycle the fork slowly 5-10 times on the first inch of travel.

Thus, the air pressure is distributed equally between the chambers, and your fork is ready to roll!

2.2 Hydraulic adjustments

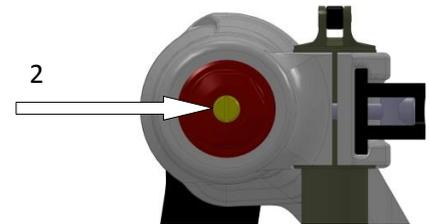
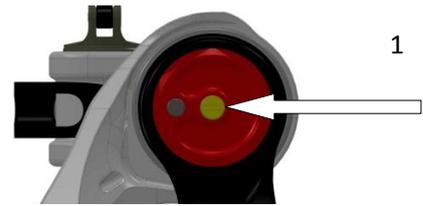
The Idylle SC offers 2 hydraulic adjustments: compression and rebound.

Rebound adjustment is done by rotating the flat head screw that can be found at the top of the right fork leg. (1)

Compression adjustment is done by rotating the flat head screw on the bottom of the right fork leg. (2)

The number of clicks is counted from the fully closed position while unscrewing the knob.

Harder = tighten (close turning clockwise) / Softer = loosen (open turning counterclockwise)



Tuning tips:

When it comes down to hydraulic setting there is no such thing as a magic formula, many factors have to be taken into account (bike balance, spring rate, geometry of the bike...). Having said that, you can use the following as a guide:

- Excessive diving of the bike upon braking: harden the compression
- Often bottom out: harden the compression
- Feeling harsh on roots or square edges: soften the compression
- Discomfort, arm pain: soften the rebound
- The forks don't spring back and stay low after succession of bumps: soften the rebound
- Front too high (in dynamic situation): harden the rebound.

Whenever you are far from the factory settings, it's always better to consider what is influencing the performance of the forks. Proceed step by step, one setting at a time by hardening or softening a few clicks at a time. If you ever get lost while you are setting up the forks, always go back to its original settings.

Starting adjustments – Idylle SC

Rebound:

Recreational use: 18 clicks

Racing use: 15 clicks

Compression:

Recreational use: 15 clicks

Racing use: 8 clicks

3. Maintenance

3.1 Air bleeding

The Idylle SC is fitted with a bleeding screw on the top of the right stanchion.

Bleeding your forks on regular basis will reduce the pressurizing effect that happens with open cartridge DH forks.

We recommend bleeding the excess air in your forks every 5 rides in racing use or every 10 rides in recreational use. All you have to do is to undo the bleeding screw completely, then put it back on; no need to compress the forks.

3.2 Service

It is compulsory to clean your forks immediately after every use! Nothing is worse for your fork's seals than dry mud. It is very simple to clean your forks: wipe off the stanchion with a clean rag and then slightly lube the stanchion (with fork oil).
Warning: Do not under any circumstances use degreaser.
On the same note, do not power wash the forks! It will only push the mud inside the forks and get it stuck between the stanchion and the seals and scratch your stanchions.

	Cleaning	Oil service	Full service
Recreational use	After each ride	Once per year	Every two years
Racing use	After each ride	Twice per year	Once per year

Caution :

We recommend doing the oil service and full service at a BOS approved center. Only the BOS approved centers are able to identify and appraise a damaged or worn part, especially in case of shock or wear on structural elements such as the lowers, the stanchions, and the crown.

3.3 Changing Oil

An oil change with the Idylle SC fork consists in changing the oil bath in each leg. Ensure that the correct oil level has been added in both legs (cartridge and spring).

CAUTION

To get the correct oil level in the cartridge side, you must bleed the air while you are pouring in the oil. Once there is no air remaining in the cartridge you can adjust the level.

How to measure the oil level on the cartridge side:

- Push down the stanchion
- Pull out the rebound rod
- Measure the distance between the top of the stanchion and the oil

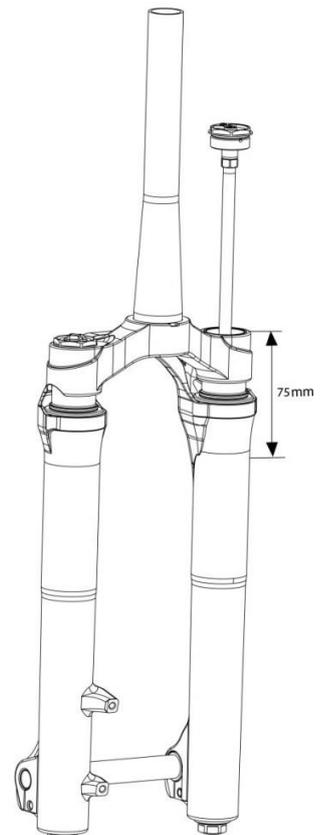
Oil Level Idylle SC

Damping side (right): 75mm

Air spring side (left): 10ml

IMPORTANT

This is strongly recommended to use BOS Bi'oil oil, other brands of oil could significantly alter the performance of the fork and reduce the life of the wear parts.



My fork loses pressure when I remove the pump, what can I do?

Check the valve core tightness using a Schrader valve core tool.

My fork has negative travel, is this normal?

The BOS air spring is designed to lower the engagement threshold as much as possible. Therefore, it is possible on some bikes that there will be a small negative travel.

Where can I buy original stickers or a valve cap?

These items and more are available in our online store.

My fork has bushing play from new, what should I do?

The unique bushing alignment and tolerance on BOS forks results in less friction, more sensitivity, and some bushing play from new. If the bushing play feels abnormally excessive, please contact a BOS certified service center for expertise.

My fork is lowering as I deflate it, what is happening?

When you deflate the fork by the Schrader valve, you are only emptying the positive air chamber. The negative air chamber stays under pressure and exerts an opposing force on the air piston and pulls the fork down. To avoid this phenomenon, deflate the fork in steps of 30-40 PSI and equalize the air chambers between steps (compress and release the fork 5-10 times over the first 20mm – 1 inch) of travel.

I just inflated my fork for the first time and it is really hard, what can I do?

Have you equalized your fork's air chambers? If not, check how it's done in section 2.1

Did you change your fork's settings? Check that your low-speed and high-speed compression are at our recommended base settings given in section 2.2.

If you've equalized your fork, you may have some internal pressure from the production process. You can eliminate this pressure by slipping a thin ziptie between your left dust seal and your stanchion until you hear the sound of air escaping. Then reset your pressure and equalize your air chambers.

If you've tried all that and your fork is still hard, email customer service and they'll give you a hand.

My fork was upside down or on its side and now it feels like there's no hydraulic control.

Your cartridge has depurged – air has entered the hydraulic system. Open bath cartridges like the one used in your fork allow air to mix with oil. The cartridge purges itself as you ride. You can purge the fork even faster by cycling it through its full travel 5-10 times.

If it is becoming increasingly difficult to purge your cartridge, it may be time for an oil change. Contact your closest BOS authorized service center for a basic or a full service.

I have about 5mm of travel unused when I ride normally.

Our forks are designed to be very progressive at the end of travel to give you a bottomless feeling. This means that those last couple millimeters of travel might only be used on the biggest hits or when you case a landing. You can think of them as insurance to get you out of the trickiest situations. If you have more than about 5% of your travel unused, try lowering your air pressure by 5PSI and check your compression settings. If your compression settings are much harder than our recommended values, try bringing them closer to the settings in section 2.2.

I have grease/oil coming out of my brand new fork seals.

This is not unusual at the beginning of the life of a fork. Clean off the stanchions and the seals and it will stop after a few rides.

My fork has been sitting for a couple of weeks and some oil came out of the seal when I rode it the first time.

BOS seals can let out a little bit of oil when they have been sitting and dried out. Wipe off any oil, and none more will come out when the seal is lubricated again.

I have grease/oil coming out of my used fork seals.

It's time for a service! Contact your nearest BOS authorized service center for a full service.

But I haven't reached your recommended service interval yet.

Our recommended service intervals cannot cover 100% of customer's usage cases. Use in wet, muddy conditions; storage out in the sun; frequent use; or improper care can all cause your seals to wear out more quickly.

For any other questions, please refer to our FAQ page at <http://www.bosmtb.com/faq.html> or send us a message at customerservice@bosmtb.com.