

# WARNINGS

**EXT**  
RACING SHOX

# WARNINGS

- ▶ EXT guarantees their damper systems are free from origin defects for the period of two (2) years from date of purchase, according to 99/44/EC decree.
- ▶ EXT MTB products are specifically designed for Enduro/Allmountain use. These products are developed and designed for bike industry and must be installed on related vehicles, including pedal assisted motorized cycles that produce a maximum of 250 Watt of power. **DO NOT USE** these products on throttle-equipped motorized cycles or any vehicle carrying more than one rider. Any such unauthorized use may result in failure of the suspension, which may cause a crash and result in property damage, **SERIOUS INJURY or DEATH** and void warranty.
- ▶ Do not modify any part of the product, all components are precisely designed as they are.
- ▶ Always use EXT Racing Shox parts. Use of other parts or self built ones void warranty and could cause a structural failure.
- ▶ EXT products contains pressurized gas. Do not open, service or modify this product.
- ▶ External visual inspection may reveal cracks or defects, if you notice them please refer immediately to an EXT service point or EXT directly.
- ▶ Following the scheduled inspection allows you to have a functional and safe product.
- ▶ If your riding weight is more than 90kg/ 188lbs inspection must be more frequent.
- ▶ The product warranty is applied if product has been operated and maintained in accordance with recommendations in the user manual (downloadable from the link below).
- ▶ An improperly installed product can be extremely dangerous, we recommend to have it installed by a qualified mechanic.
- ▶ Read and ensure you have understood the information in the user manual or other technical documents related to this product before using it.
- ▶ Do not exceed 280 psi / 19 bar on the + chamber and 600 psi / 41 bar on the ++ chamber.

## SERVICE INTERVAL

**RACING USE** Every 50 hours riding or 6 months  
**AMATORIAL USE** Every 100 hours riding or 1 year



## COMPLETE USER MANUAL

Scan the QR code to download the complete user manual.  
If you can't download it, please visit the ARIA product page on our website.



## SHOCK INSTALLATION

Scan the QR code and follow the instructions for the correct installation and setup of your shock.

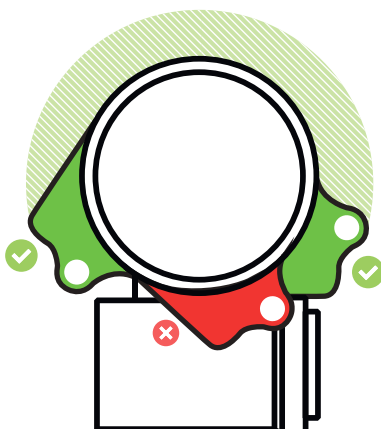


## SHOCK INFLATION

Scan the QR code and follow the instructions for the correct inflation procedure of your shock.



## VALVES POSITIONING



**ALWAYS CHECK THAT THE AIR VALVES ARE NOT ALIGNED WITH THE DAMPER RESERVOIR!**

- valves safe area
- valves location to avoid



To inflate the EXT Aria you need the 600 psi shock pump, included in the package!

# ARIA

## AIR SIDE

Access the valves by removing the two caps on the side of the main body.

### MAIN CHAMBER +

The + chamber, defined by the black-colored air valve and a "+" symbol next to it, provides the primary support for the system and controls the sensitivity of top and mid stroke.




### SECONDARY CHAMBER ++

The ++ chamber, defined by the nickel-colored air valve and a "++" symbol next to it, controls the sensitivity of the mid-end stroke and final ramp-up characteristic.



## INFLATION STEPS

1. Make sure that both chambers are fully deflated.
2. Set the suggested pressure into the high pressure ++ chamber, indicated by the nickel-colored air valve.
3. Inflate the + chamber, indicated by the black-colored air valve, with 40/50 psi.
4. Sit on your bike and compress the shock slowly through 25/30% of its travel, at least 15-20 times, to equalize the positive and negative air chambers.
5. Inflate more pressure on the + chamber by adding only 40/50 psi each time.
6. Repeat the same operations described on point 4 and 5, until you reach the desired pressure into the + chamber.

+  - **Inflating air to the shock without equalization between the air chambers will make the shock feeling stiffer!**

- Do not change chamber inflation order
- When releasing the pressure, proceed on the reverse order, so release + first and then the ++ chamber.

 **Max air pressure:**  
+ chamber 280 psi, ++ chamber 600 psi

**Don't worry if the ++ pressure detected is lower than the previous one achieved!** After inflating the ++ chamber, if you carry out a pressure check with the EXT pump, the ++ pressure will suffer a reduction, due to the filling of the pump. Check the pressure reduction in the table below:

achieved [psi] ++	after check [psi] ++
600	499
550	457
500	416
450	374
400	333
350	291
300	249
250	208
200	166
150	125

Then you have to refill the ++ chamber to the desired pressure!

## HYDRAULIC ADJUSTMENTS

### LOW SPEED COMPRESSION

Tune it by turning the black adjuster in the valve with a 4mm Allen key. **We refer to it as BL.**



### HIGH SPEED COMPRESSION

Tune it from the compression valve by turning the nickel-colored hexagon with a 12mm wrench (or socket key). **We call it BH.**



### REBOUND

Tune it from the knob placed on the bottom of the main body. **We refer to it as R.**



### HBC

Tune it from the adjuster placed on top of the compression valve with a 4mm Allen key. **We refer to it as H.**



### LOK

Tune it from the black lever placed on the damper head.



## SUGGESTED SETUP

EQ. RATE	PRESSURE +		PRESSURE ++		SUGGESTED CLICK
	[lb]	[bar]	[bar]	[psi]	
< 250	< 9.6	< 140	< 18.6	< 270	10 - 12 - 13 - 4
300	11	160	21.4	310	10 - 10 - 12 - 3
350	12.4	180	24.1	350	9 - 8 - 10 - 2
400	13.8	200	19.3	390	9 - 8 - 9 - 1
450	15.2	220	26.9	430	8 - 7 - 8 - 1
500	17.2	250	33	480	8 - 6 - 7 - 0
> 600	> 18.6	> 270	> 38	> 550	8 - 6 - 6 - 0



► Maximum clockwise = Full Closed = ► Full Closed = CLICK 0 (ZERO)  
Maximum force, for all adjusters