

QUICK GUIDE

SUSPENSION **BASE CHARTS**

WARNING

Be sure to read this manual carefully before using your DVO suspension. Throughout this manual, reference is made that "an accident" could occur. Any accident may cause damage to the product, SERIOUS INJURY, OR DEATH.

These instructions contain important information about the correct installation, guidelines for setup, service and maintenance of your suspension. Nevertheless, please be informed that special knowledge and tools are essential to install, service and to maintain DVO / WP Suspension.

Common mechanical knowledge may not be sufficient to repair, service or maintain your suspension. Therefore we strongly recommend getting your suspension installed, serviced and/or maintained by a trained and qualified bicycle mechanic. Improper installation, service or maintenance can result in an accident.

Forks and rear shocks contain fluids and air under extreme pressure. DO NOT attempt to disassemble any portion of a DVO / WPSuspension product unless instructed to do so by a DVO / WP Suspension authorized technician.

Only use genuine DVO / WP Suspension replacement parts. Modification, improper service, or the use of aftermarket replacement or spare parts may result in an accident and VOIDS the warranty of your product.

DVO / WP Suspension forks and rear shocks are designed for the usage by a single rider only. DO NOT use DVO / WP Suspension products on any powered vehicle that is not a pedal-assist Class-1 or Class-3 e Bike.

Always be equipped with proper safety gear. This includes a properly fitted and fastened helmet. According to your riding style you should use additional safety protection. Make sure your equipment is in flawless condition.

Make sure you select the correct fork and rear shock according to your frame manufacturer specification. Installing suspension that does not match the geometry of your frame could result in a failure of the suspension itself and void the suspension warranty. Installing a fork or rear shock not designed for your frame will change the geometry and handling of your bike.

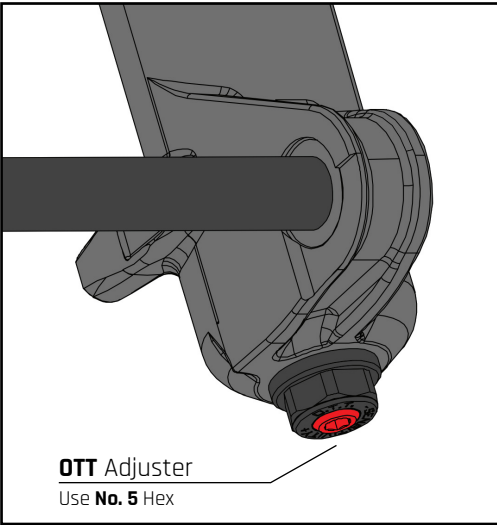
Learn how to ride and train your skills. Know your limits and never ride beyond those. Study all other manuals provided with your bicycle and make yourself familiar with all components mounted to your bike.

PRE-RIDE SAFETY CHECK

- 1.** DO NOT ride your bicycle if any of the following test criteria is not passed. Riding your bike without eliminating any defect or carrying out the necessary adjustments can result in an accident, SERIOUS INJURY OR DEATH.
- 2.** Do you notice any cracks, dents, bent, or tarnished parts of your suspension fork or shock, or any other part of your bicycle? If so, please contact a qualified DVO / WP bicycle mechanic to check your fork, shock, seat post, saddle, and complete bike.
- 3.** Do you notice any oil leaking from your fork and/or shock? If so, please consult a trained and qualified bicycle mechanic to check your suspension and bike before riding.
- 4.** Make sure your wheel is attached and centered properly in order to avoid any contact with the suspension fork or brake system.
- 5.** Make sure your axle system is secure. There should be no play between the hub and fork lower.
- 6.** Make sure your brakes are properly installed, adjusted, and work properly. This also applies to every other part of your bike like handlebars, pedals, cranks arms, seat post, saddle, etc.
- 7.** Check the cable length and routing of your braking components. Make sure they do not interfere with your steering actions or full compression and extension of your suspension.
- 8.** Check your shock hardware and ensure there is no play between the shock and mounting surfaces. Ensure your shock hardware is tightened to the bike manufacturer's recommend torque before riding.

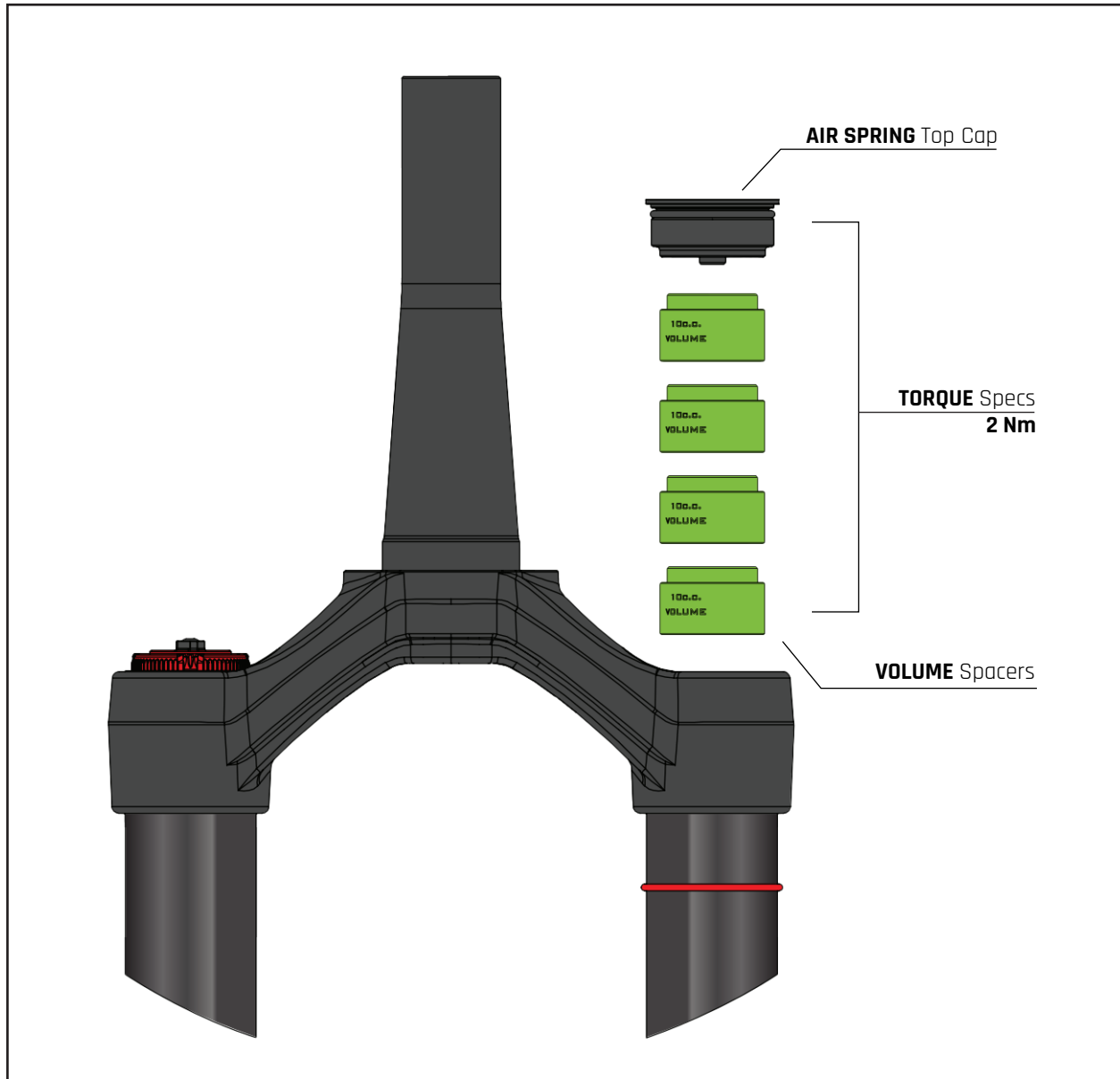
OTT *ADJUSTMENT*

OTT BASE SETTING CHART													
Air Pressure (psi)	FULL ROTATIONS Start from open position (counterclockwise)												
	1	2	3	4	5	6	7	8	9	10	11	12	
50-55		█	█	█									
55-60			█	█	█								
60-65				█	█	█							
65-70					█	█	█						
70-75						█	█	█					
75-80							█	█	█				
80-85								█	█	█			
85-90									█	█	█		
	CCW		ALWAYS release the air from the fork before an OTT adjustment. Not doing so will damage the adjustment nut.									CW	



SL FORKS

VOLUME SPACERS



TOOLS NEEDED

- **CASSETTE** Tool
- **TORQUE** Wrench
- **Nr. 8mm** Inbus bit (Hex Key)

HOW TO

- **Release** the air from the spring leg.
- **Use** the cassette tool and remove the Air Spring Top Cap.
- **Use** the torque wrench and the Nr. 8mm Inbus bit to tighten the volume spacer and air spring top cap together, to the recommended torque specs.
- **Reinstall** the air spring top cap back on the spring leg and tighten to 20 Nm.
- **Pump** the fork to your desired pressure.

OTT & SL AIR PRESSURE

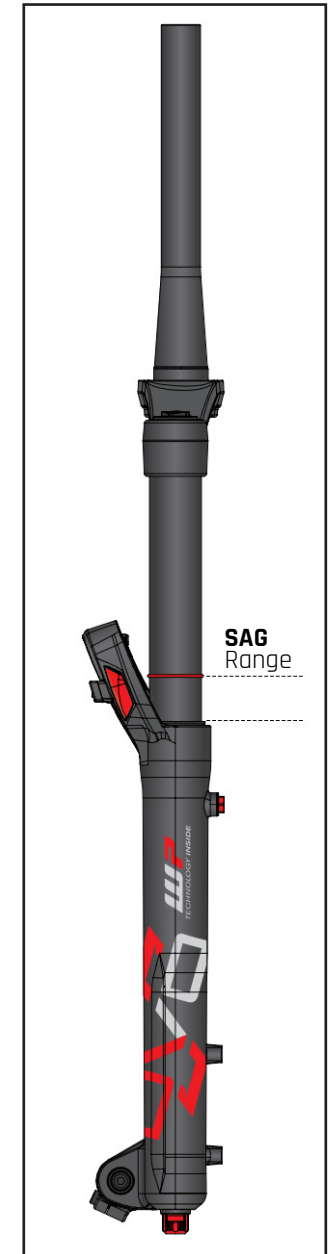
AIR PRESSURE BASE SETTING CHART

Rider Weight		Air Pressure (psi)										
lbs	kg	50	55	60	65	70	75	80	85	90	95	100 (max)
120-139	54-63	█	█	█								
140-159	64-72		█	█	█							
160-179	73-81			█	█	█						
180-199	82-90				█	█	█					
200-219	91-100					█	█	█				
220-239	101-108						█	█	█			
240-249	109-113							█	█	█		
250-259	114-117									█	█	█

OTT Forks have no volume spacers pre-installed. **DO NOT** install volume spacers on your OTT fork.
 SL Forks come with 3 volume spacers pre-installed. Only a maximum of **4 volume spacers** should be installed.

SAG MEASUREMENT

Fork Travel	15%	20%	30%
170mm	26mm	34mm	51mm
160mm	24mm	32mm	48mm



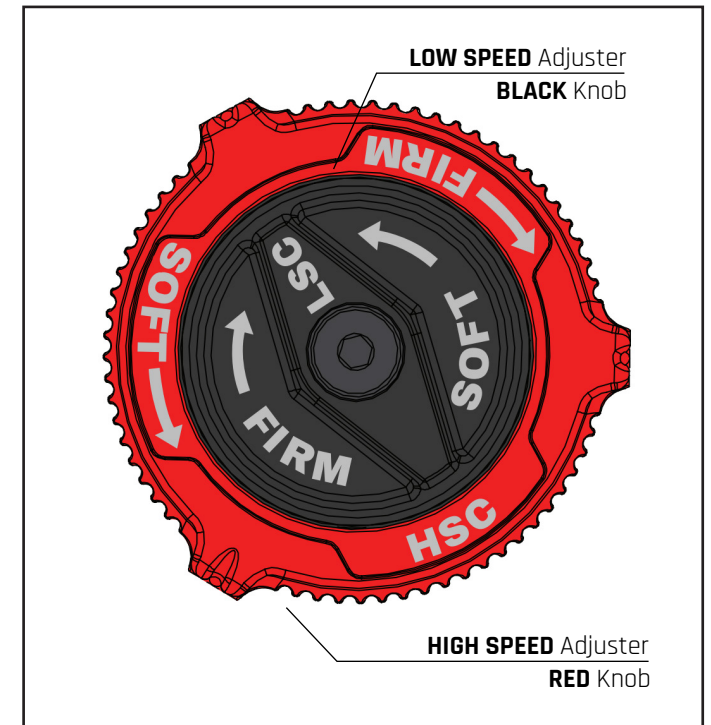
OTT & SL *HSC & LSC*

HSC BASE SETTING CHART

Air Pressure	CLICKS Start from closed position (clockwise)							
	28	24	20	16	12	8	4	0
50-55								
55-60								
60-65								
65-70								
70-75								
75-80								
80-85								
85-90								
100 (max)								
	CCW							CW

LSC BASE SETTING CHART

CLICKS Start from closed position (clockwise)											
12	11	10	9	*8	7	6	5	4	3	2	1
CCW											CW

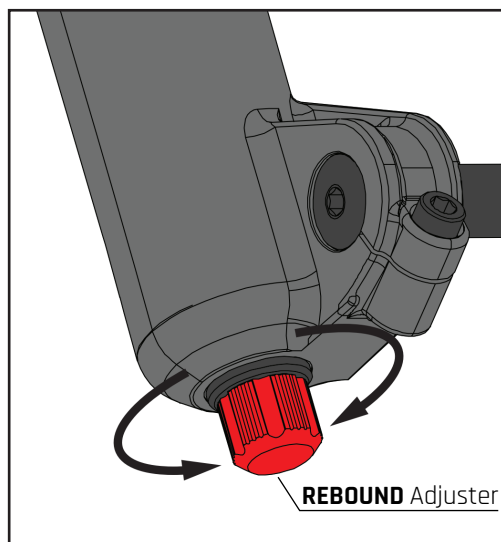


* Recommended Initial Setting

OTT & SL **REBOUND**

OTT & SL REBOUND BASE SETTING CHART

Air Pressure	CLICKS Start from closed position (clockwise)													
	25	24	22	20	18	16	14	12	10	8	6	4	2	0
50-55		█	█	█										
55-60			█	█	█									
60-65				█	█	█								
65-70					█	█	█							
70-75						█	█	█						
75-80							█	█	█					
80-85								█	█	█				
85-90									█	█	█			
100 (max)										█	█	█		
	CCW													CW



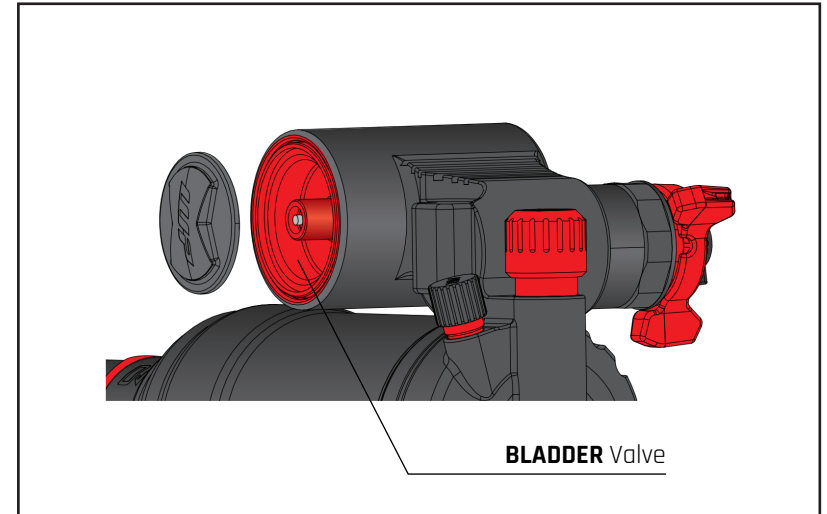
JADE X & TOPAZ AIR PRESSURE

JADE X & TOPAZ

BLADDER PRESSURE BASE SETTING CHART

Air Pressure (psi)				
140	150	160	*170	180

* Recommended Initial Setting / **DO NOT** exceed 180psi or go below 140psi.

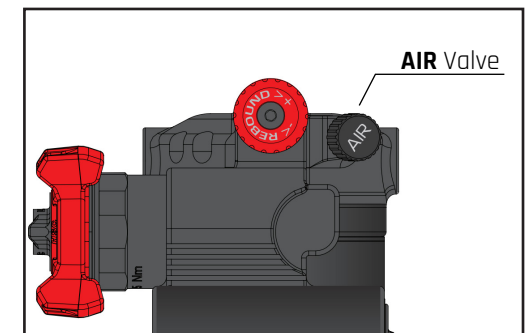


BLADDER Valve

AIR PRESSURE BASE SETTING CHART

Rider Weight		Air Pressure (psi)										
lbs	kg	50	55	60	65	70	75	80	85	90	95	100 (max)
120-139	54-63											
140-159	64-72											
160-179	73-81											
180-199	82-90											
200-219	91-100											
220-239	101-108											
240-249	109-113											
250-259	114-117											

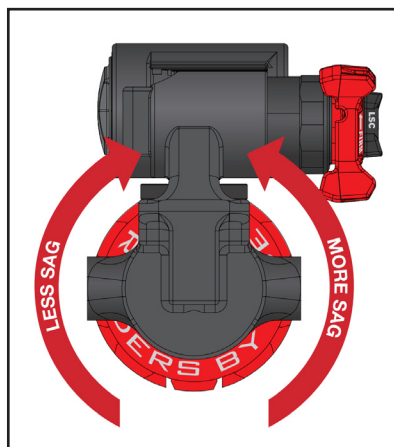
TOPAZ *ONLY



AIR Valve

*JADE X shocks have no Air Valve, thus no Air Pressure Settings.

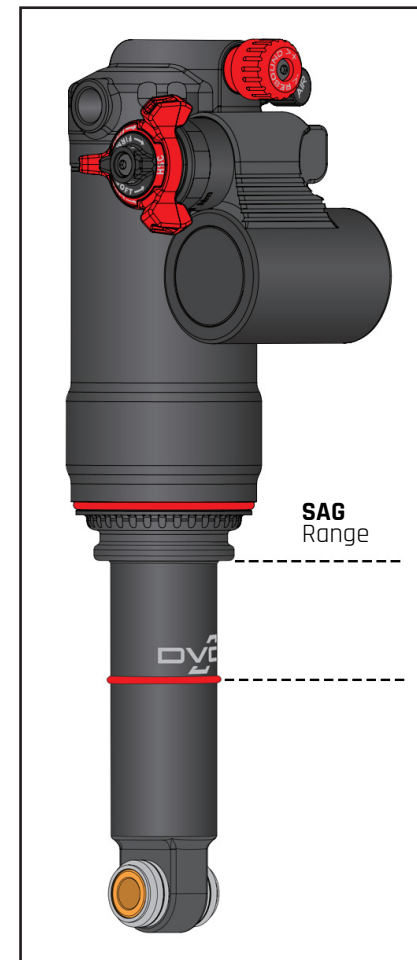
JADE X & TOPPAZ **SAG**



- One rotation equals 1mm of preload.
- **DO NOT** exceed 6mm of preload. Change coil's spring rate to achieve your desired sag.

COIL SPRING RATE CHART

Rider Weight		Spring Rate	
lbs	kg	lbs / inch	kg / cm
120-139	54-63	300	54
140-159	64-72	350	63
160-179	73-81	400	72
180-199	82-90	450	80
200+	100+	500	88



SAG MEASUREMENT

Shock Travel	25%	30%
65mm	16mm	20mm
60mm	15mm	18mm

SAG MEASUREMENT

Shock Travel	20%	30%
65mm	13mm	20mm
60mm	12mm	18mm

JADE X & TOPAZ

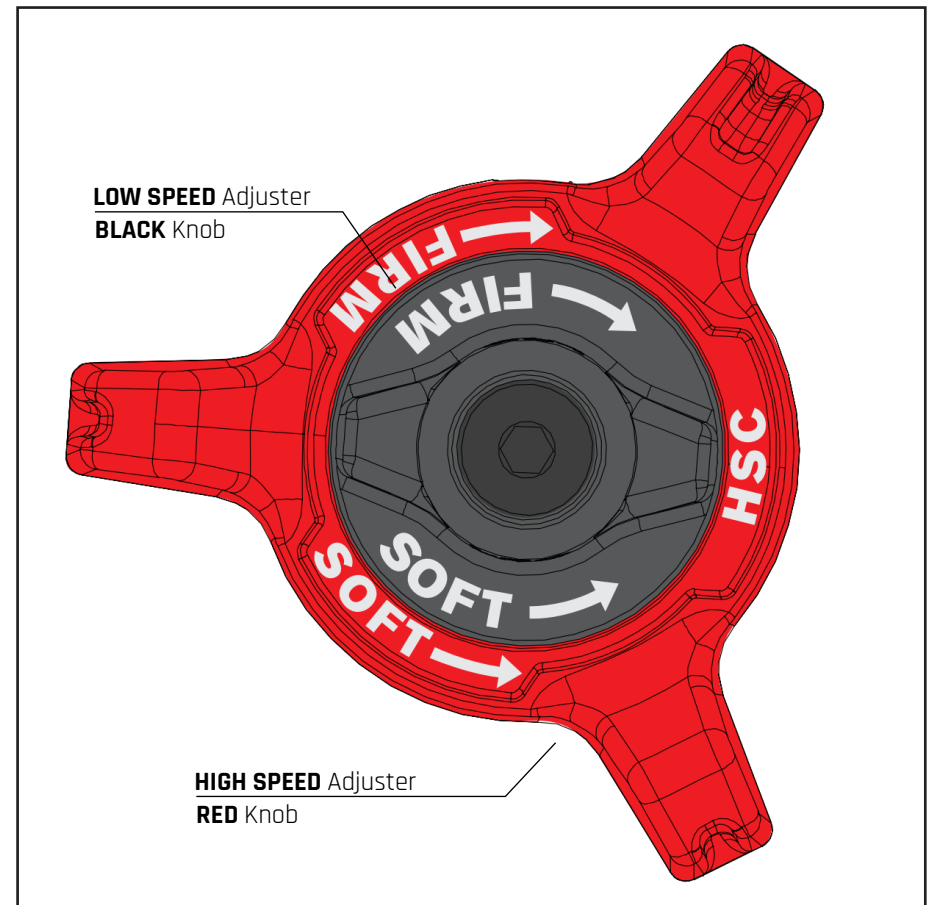
HSC & LSC

HSC BASE SETTING CHART						
CLICKS Start from closed position (clockwise)						
6	5	*4	3	2	1	0
CCW						CW

* Recommended Initial Setting

LSC BASE SETTING CHART						
CLICKS Start from closed position (clockwise)						
18	15	12	9	*6	3	0
CCW						CW

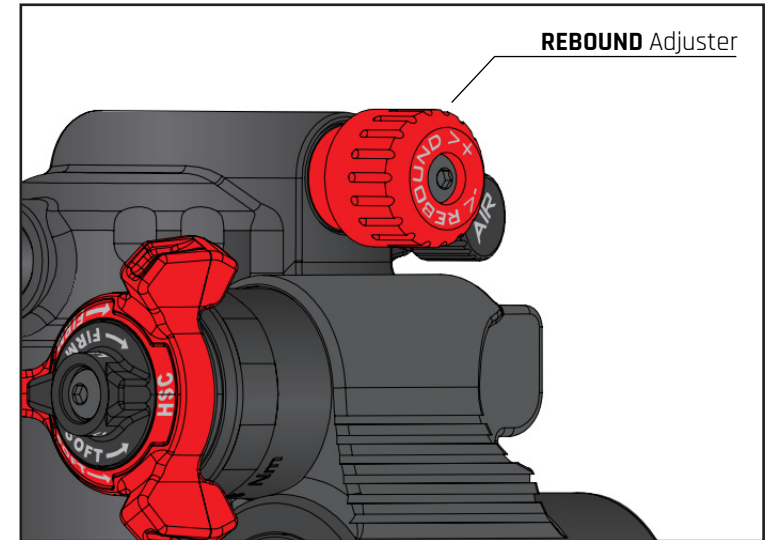
* Recommended Initial Setting



JADE X & TOPAZ **REBOUND**

REBOUND BASE SETTING CHART									
CLICKS Start from closed position (clockwise)									
9+	8	7	*6	5	4	3	2	1	0
CCW									CW

* Recommended Initial Setting



REBOUND BASE SETTING CHART									
CLICKS Start from closed position (clockwise)									
18+	16	14	*12	10	8	6	4	2	0
CCW									CW

* Recommended Initial Setting

