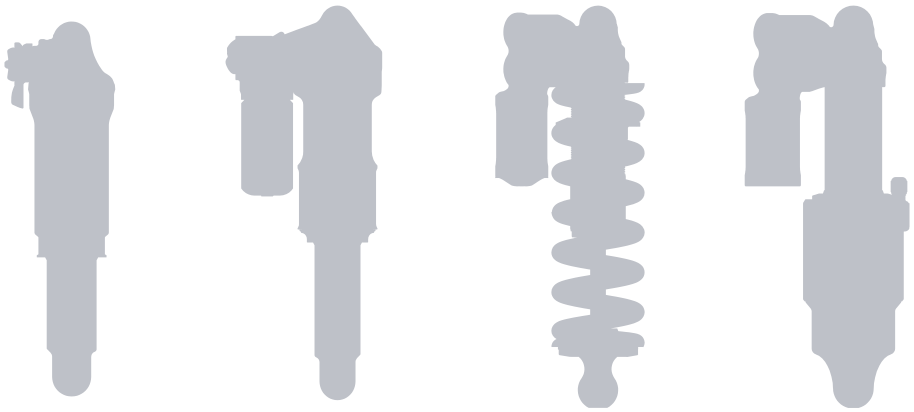
SUSPENSION SETUP GUIDE

For your Pivot suspension equipped bike to pedal and descend at it's best, it is important to tune the suspension properly. Use this guide to familiarize yourself with the Pivot suspension setup procedures and as a baseline for tuning to your individual riding needs.

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5. ***FOX Float X2 Air* for the Phoenix DH Carbon**
6. **Setting up *FOX Float* air fork pressure**
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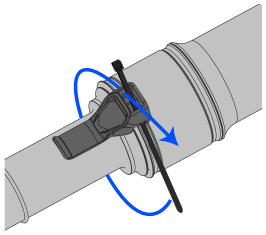
Performance. Redefined.

1. Setting Sag on *FOX Float DPS*, and *Float X* Rear shocks

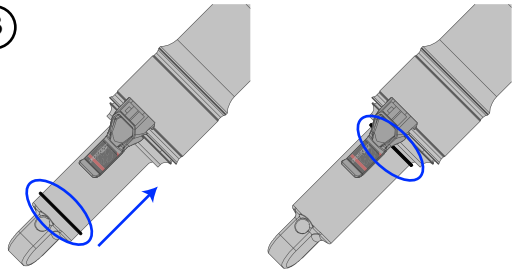
Always set sag with the compression adjust *blue* lever turned to the open position (see section 3 for details on this setting).

1. If it is not installed already, attach the sag indicator to the bottom of the shock body using the provided zip-tie. (*fig 1*)
2. Have the rider stand on the pedals, preferably with their hydration pack on, and have them sit down hard into the saddle to achieve accurate sag settings. The rider does not need to bounce up and down nor should they sit down gently. If they sit down hard once, the suspension will cycle well into the stroke and return to the natural sag setting with the rider in the saddle.
3. With the rider in the saddle and not moving, slide the O-ring up into position against the air can. (*fig 3*)
4. Once the O-ring is set in place, have the rider slowly step off the bike so as not to move the O-ring.
5. Make adjustments to the sag by removing or adding air so that steps 2-4 result in the O-ring lining up with the red line on the sag indicator (*fig 5*). Some of our models feature a sag indictor with both a blue line (RACE) and a red line (TRAIL). You can set the sag anywhere in this range to achieve a firmer or plusher overall feel depending on rider preference. *For shocks with the EVOL can*: It will be necessary to cycle the shock after adding or subtracting air before re-checking sag as the large Evol negative air chamber will need to equalize pressure with the main chamber each time air is added or removed. You can do this by pushing down on the saddle several times to compress the shock past the sag point. It is OK to do this with the shock pump still attached to the shock as it will let you know how much the pressure increases or decreases after the Evol negative air chamber balances with the main chamber.

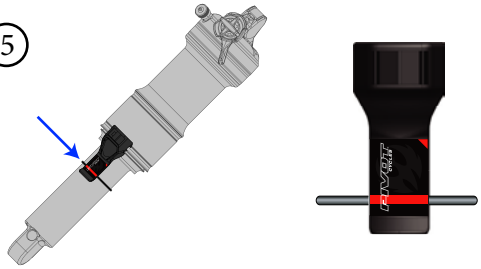
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3



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WARNING: MAKE SURE TO ROTATE SAG INDICATOR TO BOTTOM OF SHOCK BEFORE RIDING TO ENSURE THAT IT DOES NOT BREAK OFF WHEN SUSPENSION CYCLES

If there is no sag indicator on the shock, use the measurements listed below to determine sag. Different models and sizes of Pivot bikes use different length shocks and therefore require different sag settings.

Indicator A *0.74" (18.8mm):* Mach 5.7 XS-XL; Mach 5 M-XL
Indicator A+ *0.80" (20.3mm):* Mach 6 Carbon; Mach 6 Aluminum; Firebird **set between the red line and the end of the indicator*
Indicator B *0.65" (16.5mm):* Switchblade; Mach 5.7C 27.5; Mach 4 (2010-Older) S-XL; Mach 5 XS and S; Mach 429 alloy (all years)
Indicator C *0.49" (12.4mm):* Mach 4 XXS and XS
Indicator D *0.55" (14mm):* Mach 4 (2011-Current) S-XL; Mach 429C/429SL (all years); Mach 429 Trail

A



B

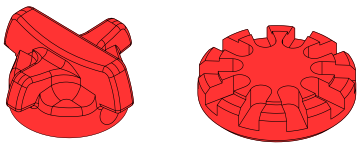


C



D

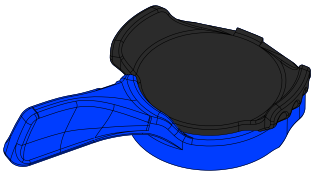




2. Setting Rebound damping on *FOX Float DPS* and *Float X* Rear Shocks:

We set rebound from the most open or fastest position, so start by turning the *red* rebound dial counterclockwise all the way out and then follow the guidelines below per model:

- Mach 4, 429SL, and Mach 5.7: Turn *red* dial in clockwise 0-6 clicks in depending on rider weight. A sub 130lb rider is at the full out or fastest setting. Average is 4 clicks in.
- Mach 429 Trail: Turn *red* dial in clockwise 3-8 clicks in depending on rider weight. Average is 5 clicks in.
- Switchblade: Turn *red* dial in clockwise 5-10 clicks in depending on rider weight. Average is 6 clicks in.
- Mach 6 or Firebird with Float X or Float DPS: Turn *red* dial in clockwise 9-13 clicks in depending on rider weight.



3. Setting Compression damping on *FOX Float DPS* and *Float X* Rear Shocks:

Because all dw-link® equipped Pivot bikes pedal so efficiently, we use the compression lever as a tuning tool for rider weight and compression support. All bikes can be run with the *blue* lever in full open and perform very well. On Float DPS shocks, this means the lever is turned towards the opposite side of the air valve. In the case of the Float X, this means that the lever will be flipped towards the remote reservoir. Lighter riders under 160lbs will generally run in the full open position most of the time. Riders in the 170lb+ range and more aggressive riders who like the feel of more mid-stroke support will generally prefer the middle setting. The firm setting is great for your ride to the trail, long fire road climbs, and smooth XC race courses where a more locked out feel is desired.

All Factory Series Float X and Float DPS shocks also feature three additional options that affect the open setting via the *black* knob. This knob needs to be lifted slightly to turn to one of the three designated options. #1 is the most open, or least amount of compression damping, and #3 is the firmest (but still slightly less firm then the middle position of the *blue* lever). You can experiment with all of these options to find the setting that provides the best compression support and plushest feel for your weight and riding style. Other than running in the full firm mode on rocky descents, all settings are designed to work well in a wide variety of terrain and rider weights.

4. Setting up the *FOX DHX2 Coil* on the Phoenix DH Carbon:

We offer four different spring rates for the FOX DHX2 Coil depending on the rider weight.
Spring Weight recommendations for DHX2 Coil Shocks on the Phoenix DH:

- Rider weight between 130-160lbs: *Spring Weight: 300lb coil*
- Rider weight between 160-190lbs: *Spring Weight: 350lb coil*
- Rider weight between 190-220lbs: *Spring Weight: 400lb coil*
- Rider weight between 220-250lbs: *Spring Weight: 450lb coil*

Damping guidelines based on spring weight:

We recommend 30% sag on the Phoenix DH which is .9" (23mm). Based on this sag setting with the proper spring, we have baseline settings to set your *High Speed Compression* damping (HSC), *Low Speed Compression* damping (LSC), *High Speed Rebound* damping (HSR), and *Low Speed Rebound* damping (LSR). These settings are also applicable to Performance series DHX2 Coil shocks that feature only the LSC and LSR adjustments. Turn all four damper adjusters to the closed position (full clockwise until they stop). Then back them out counter-clockwise to the number of clicks shown below:

- 300lb Spring: Dial the adjusters 12-15 out for all HSC, LSC, HSR, LSR Damper Adjustments.
- 350lb Spring: Dial the adjusters 11-14 out for all HSC, LSC, HSR, LSR Damper Adjustments.
- 400lb Spring: Dial the adjusters 10-14 out for all HSC, LSC, HSR, LSR Damper Adjustments.
- 450lb Spring: Dial the adjusters 11-14 out for all HSC, LSC, HSR, LSR Damper Adjustments.

For further detail, Fox provides a complete tuning guide for the DHX2 Coil shock on their website at *www.ridefox.com*
DHX2 Tuning Guide (.pdf link)

5. *FOX Float X2 Air* for the Phoenix DH Carbon:

The X2 air shock has tuning options well beyond the scope of what we can cover here. Not only can the shock be tuned through the use of the HSC, LSC, HSR, and LSR knobs, but it can also be tuned via the amount of air pressure in the shock and the addition or removal of air volume spacers to change the spring curve characteristics. We have settled on an air spring curve that has proven to be optimized for a wide range of riders from a sport level to our World Cup DH team, so changing the Pivot factory air spring curve characteristics is not really necessary.

We recommend 30% sag on the Phoenix DH which is .9" (23mm). Based on this sag setting you can record your air pressure and use FOX's tuning chart copied on the right to set your *High Speed Compression* damping (HSC), *Low Speed Compression* damping (LSC), *High Speed Rebound* damping (HSR), and *Low Speed Rebound* damping (LSR). These settings are also applicable to Performance series Float X2 air shocks that feature only the LSC and LSR adjustments.

For further detail, Fox provides a complete tuning guide for the Float X2 Air shock on their website at *www.ridefox.com*
Float X2 Tuning Guide (.pdf link)

*Count clicks from Closed: 0 Clicks = Closed				
Air Spring Pressure	Baseline LSR (3mm hex)	Baseline HSR (6mm hex)	Baseline LSC (3mm hex)	Baseline HSC (6mm hex)
90	Open	21-23	Open	Open
100	22-Open	20-22	23-Open	22-Open
110	21-23	19-21	22-24	21-23
120	20-22	18-20	22-24	20-22
130	20-22	17-19	21-23	19-21
140	19-21	16-18	21-23	19-21
150	18-20	16-18	20-22	18-20
160	18-20	15-17	20-22	18-20
170	17-19	15-17	19-21	17-19
180	17-19	14-16	18-20	16-18
190	16-18	14-16	18-20	16-18
200	15-17	13-15	17-19	15-17
210	14-16	13-15	16-18	14-16
220	13-15	12-14	16-18	14-16
230	12-14	12-14	15-17	13-15
240	11-13	11-13	14-16	13-15
250	10-12	11-13	14-16	12-14
260	9-11	10-12	13-15	12-14
270	8-10	10-12	12-14	11-13
280	7-9	9-11	12-14	11-13
290	3-7	8-10	12-14	10-12
300	1-5	7-9	11-13	10-12

6. FOX Float Air Fork Pressure:

To set fork sag use the charts below as a recommended starting point:

RIDER WEIGHT (lbs)	32 FLOAT Pressure	34 FLOAT Pressure	36 FLOAT Pressure
120-130	57 psi/ *3.9 bar*	45 psi/ *3.1 bar*	40 psi/ *2.8 bar*
130-140	61 psi/ *4.2 bar*	48 psi/ *3.3 bar*	41 psi/ *2.8 bar*
140-150	66 psi/ *4.5 bar*	51 psi/ *3.5 bar*	43 psi/ *3.0 bar*
150-160	71 psi/ *4.9 bar*	53 psi/ *3.7 bar*	46 psi/ *3.2 bar*
160-170	76 psi/ *5.2 bar*	56 psi/ *3.9 bar*	51psi/ *3.5 bar*
170-180	82 psi/ *5.6 bar*	58 psi/ *4.0 bar*	55 psi/ *3.8 bar*
180-190	87 psi/ *6.0 bar*	63 psi/ *4.3 bar*	59 psi/ *4.1 bar*
190-200	92 psi/ *6.3 bar*	68 psi/ *4.7 bar*	63 psi/ *4.3 bar*
200-210	98 psi/ *6.7 bar*	72 psi/ *5.0 bar*	67 psi/ *4.6 bar*
210-220	103 psi/ *7.1 bar*	77 psi/ *5.3 bar*	71 psi/ *4.8 bar*
220-230	108 psi/ *7.4 bar*	82 psi/ *5.6 bar*	75 psi/ *5.2 bar*
230-240	113 psi/ *7.8 bar*	86 psi/ *5.9 bar*	79 psi/ *5.4 bar*
240-250	119 psi/ *8.2 bar*	91psi/ *6.3 bar*	83 psi/ *5.7 bar*

7. FOX Float Air Fork Rebound and Compression Damping:

Setting rebound damping on FOX Forks:

We set rebound from the most open or fastest position, so start by turning the *red* rebound dial on the bottom of the right fork leg counterclockwise all the way out and then follow the guidelines below:

- **Float 32, 34, 36 Fit**: Turn *red* dial clockwise in 5-8 clicks in (depending on rider weight). Most riders are safe with 6 clicks in as a starting point.

Setting Low Speed Compression damping on FOX Forks:

We set compression from the most open or fastest position, so start by turning the *black* compression inner dial on the top of the right fork leg counterclockwise all the way out and then follow the guidelines below:

- **Float 32, 34, 36 Fit**: Turn black dial clockwise in 2-8 clicks in (depending on rider weight). Most riders should feel comfortable with 5 clicks in as a starting point. A rider under 120lbs would start with 2 clicks in.