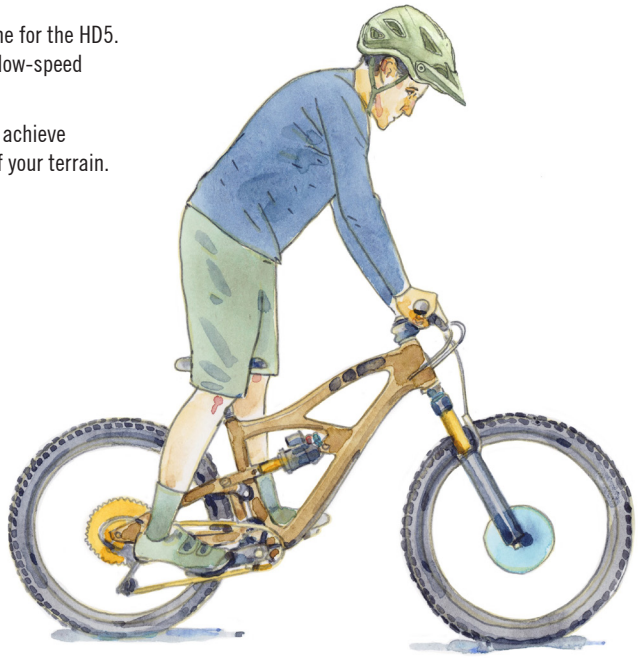
mojo hd5

TRACTION TUNED | **QUICK SETUP GUIDE**

WHAT IS TRACTION TUNED?

We want to promote very responsive suspension performance, so we have developed Traction Tune for the HD5. We recommend having high-speed adjustments wide open or close to it, and using just enough low-speed damping to provide stability to the bike.

For maximum traction and performance, your front and rear suspension need to be balanced. To achieve proper balance, you need to setup your suspension so it matches your style and the steepness of your terrain. ***Here is the recommended procedure to get the most out of your suspension.***



STEP 1 FORK TUNING

First, set your fork sag with your riding gear on. Determine the sag by picking a riding style listed below. While in a standing position on the bike *(see illustration)*, set the sag to the correct number of mm. Use the starting guidelines from the chart below left, these will generally get you close to 28% sag. You will likely need to raise or lower pressures to get the recommended setting.

28% / 48mm Sag:
Best for normal trail riding where efficient pedalling and a stable platform is required.

30% / 51mm Sag:
For aggressive riding in terrain that demands your attention.

32% / 54mm Sag:
Use for rough, steep, slippery trails when maximum control is a must.

IN MID 2020, WE STARTED SHIPPING DVO ONYX FORKS AS STANDARD EQUIPMENT ON THE HD5. THIS SETUP GUIDE CONTAINS THE SETUP FOR BOTH THE DVO AND THE FOX FORKS.

FORK AIR PRESSURES AND SETTINGS

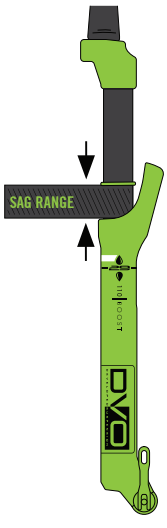
ONYX AIR PRESSURES

RIDER WEIGHT (LB)	28% SAG	30% SAG	32% SAG
120	30	25	20
130	35	30	25
140	40	35	30
150	45	40	35
160	50	45	40
170	55	50	45
180	60	55	50
190	65	60	55
200	70	65	60
210	75	70	65
220	80	75	70
230	85	80	75
240	90	85	80
250	95	90	85

ONYX COMPRESSION & REBOUND SETTINGS

TURNS FROM CLOSED	POSITION	CLICKS FROM CLOSED
HSC	LSC	REBOUND
5	1-2	22
5	1-2	22
5	1-2	22
5	1-2	21-22
5	2-4	21-22
4-5	2-4	21-22
4-5	2-4	18-22
4-5	2-4	18-22
4-5	2-4	18-22
4-5	2-4	16-22
3-5	2-4	16-22
3-5	3-5	16-22
3-5	3-5	15-22
3-5	3-5	15-22
5 TOTAL TURNS	6-POSITION KNOB	22 CLICKS

SAG is the amount your fork compresses under your body weight (don't forget to include your riding gear), also referred to as Rider Weight. Remember that these are only starting points and adjustments will vary based on rider ability, trail conditions and personal preference.



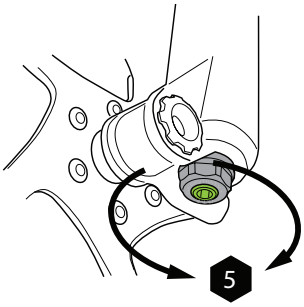
- Continued -

OTT EXPLAINED

OTT (Off The Top) is a DVO Exclusive Performance Feature that delivers amazing traction, comfort and control matching a wide range of riders weights and skill levels.

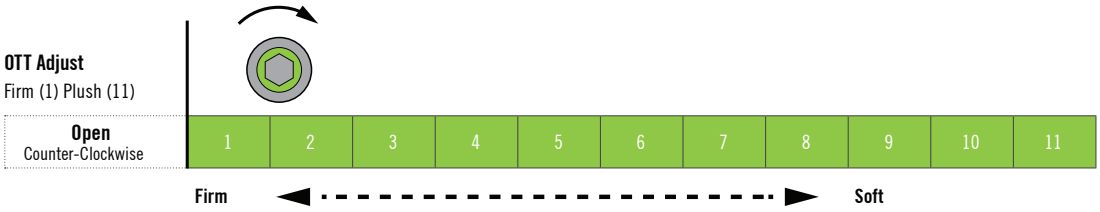
OTT allows the rider to independently adjust the initial 30mm's of the travel by externally adjusting the tension on the negative spring in relation to the amount of air pressure in the main spring.

As a general rule of thumb, the heavier/aggressive rider will use more air pressure and more OTT, and and lighter/less aggressive rider will use lower air pressures and less OTT.



NOTE: Make sure that you always adjust the OTT 1 full rotation at a time, NOT 1 click.

HEAVIER RIDERS NEED MORE OTT
LIGHTER RIDERS NEED LESS OTT



Rider Weight		OTT (Rotations)										
lbs	kgs	1	2	3	4	5	6	7	8	9	10	11
120-139	54-63	Firm	Soft									
140-159	64-72		Firm		Soft							
160-179	73-81				Firm		Soft					
180-199	82-90						Firm		Soft			
200-219	91-100								Firm		Soft	
220-239	101-108										Firm	
240+	109+											

For detailed instructions and videos, visit DVO Tech: tech.dvosuspension.com/setup

FOX FORK AIR PRESSURES

FOX FLOAT 36 AIR PRESSURES : 27.5

RIDER WEIGHT		170MM
LB	KG	PSI
120-130	54-59	50
130-140	59-64	54
140-150	64-68	59
150-160	68-73	62
160-170	73-77	66
170-180	77-82	70
180-190	82-86	75
190-200	86-91	80
200-210	91-95	84
210-220	95-100	88
220-230	100-104	92
230-240	104-109	97
240-250	109-113	101
MAX		120

FOX FLOAT 36 FACTORY GRIP 2

CLICKS FROM CLOSED				
PRESSURE (PSI)	HSC	LSC	HSR	LSR
40	16	12	8	10-12
45	16	12	8	10-12
50	16	10-12	8	8-12
55	14-16	10-12	8	8-12
60	14-16	8-12	7-8	8-12
65	14-16	8-12	7-8	6-10
70	12-16	8-12	7-8	6-10
75	12-16	8-12	6-8	6-10
80	12-16	8-12	6-8	4-10
85	12-16	6-10	6-8	4-10
90	10-16	6-10	5-8	4-10
RANGE	0-16	0-12	0-8	0-12

High-Speed Compression adjustment is useful to control fork performance during bigger hits, landings, and square-edged bumps.

Low-Speed Compression adjustment is useful to control fork performance during rider weight shifts, G-outs, and other slow inputs.

FOX FLOAT 36 PERFORMANCE GRIP

CLICKS FROM CLOSED		
PRESSURE (PSI)	COMPRESSION	REBOUND
40	Open	13
45	Open	13
50	Open	12-13
55	Open	12-13
60	Open	12-13
65	Open	10-13
70	Open	10-13
75	Open	10-13
80	Open	8-13
85	Open	8-13
90	Open	8-13
	SWEEP	RANGE 0-13

The **3-Position Micro Adjust** lever is useful to make on-the-fly adjustments to control fork performance. Use the positions between the OPEN, MEDIUM,and FIRM modes to fine-tune your compression damping.

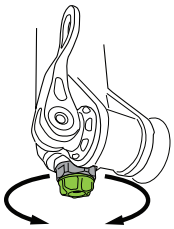
- Continued -

STEP 2 FORK REBOUND SETTINGS

REBOUND ADJUSTERS

Once you have the sag set, use the charts on **page 1** to set your compression and rebound settings. From there, adjust to your preference.

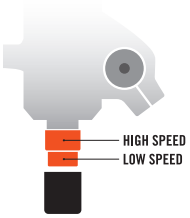
DVO ONYX REBOUND ADJUSTERS



REBOUND ADJUSTERS

Once you have the sag set, use the charts on **page 2** to set your compression and rebound settings. From there, adjust to your preference.

FOX FLOAT 36 REBOUND ADJUSTERS



BALANCING YOUR SUSPENSION

It's best to balance your suspension for different types of riding.

- If your normal descent is 10-15% down grade, use recommended pressures.
- If your normal descent is 20-25% down grade, reduce rear shock pressure by 4% and increase fork pressure by 4% over recommended pressure.
- If your normal descent is 30+% down grade, reduce rear shock pressure by 8% and increase fork pressure by 4% over recommended pressure.

STEP 3 SHOCK TUNING

Set the rear sag and rebound using the same technique as the fork pressure. These are just guidelines, so experiment until you find the settings that work for you. Once you have the sag set, use the charts below to set your compression and rebound settings. From there, adjust to your preference.

DPX2 SHOCK PRESSURES

HD5 SHOCK SAG	28% WHEEL SAG 15MM SHOCK STROKE	30% WHEEL SAG 16MM SHOCK STROKE	32% WHEEL SAG 17MM SHOCK STROKE
RIDER WEIGHT (LBS.)	SHOCK PRESSURE (PSI)	SHOCK PRESSURE (PSI)	SHOCK PRESSURE (PSI)
120 - 130	131	126	118
130 - 140	143	137	130
140 - 150	155	149	142
150 - 160	166	161	153
160 - 170	178	172	165
170 - 180	190	184	177
180 - 190	202	196	189
190 - 200	214	207	201
200 - 210	226	219	213
210 - 220	238	231	225
220 - 230	250	242	237
230 - 240	262	254	249
240 - 250	273	266	260

DPX2 DAMPER BASE SETTINGS

		CLICKS FROM CLOSED
PRESSURE (PSI)	LSC	LSR
110	Open	10-12
120	Open	10-12
130	Open	10-12
140	Open	10-12
150	Open	10-12
160	Open	10-12
170	Open	10-12
180	Open	10-12
190	Open	10-12
200	Open	10-12
210	Open	10-12
220	Open	10-12
230	Open	10-12
240	Open	10-12
250	Open	9-12
260	Open	9-12
270	Open	8-12
280	Open	8-12
RANGE	LEAVE IT OPEN	0-12

- Continued -

STEP 3 SHOCK TUNING *(Continued)*

DVO TOPAZ SHOCK PRESSURES

HD5 SHOCK SAG	28% WHEEL SAG 15MM SHOCK STROKE	30% WHEEL SAG 16MM SHOCK STROKE	32% WHEEL SAG 17MM SHOCK STROKE
RIDER WEIGHT (LBS.)	SHOCK PRESSURE (PSI)	SHOCK PRESSURE (PSI)	SHOCK PRESSURE (PSI)
120	102	92	87
130	113	103	98
140	124	114	109
150	135	125	120
160	146	136	131
170	157	147	142
180	168	158	153
190	179	169	164
200	190	180	175
210	201	191	186
220	212	202	197
230	223	213	208
240	234	224	219
250	245	235	230

TOPAZ COMPRESSION & REBOUND SETTINGS

POSITION	CLICKS FROM CLOSED
COMPRESSION	REBOUND
OPEN	10
Open	10
Open	9-10
Open	9-10
Open	8-10
Open	8-10
Open	7-10
Open	7-10
Open	7-10
Open	6-10
Open	6-10
Open	6-10
Open	5-10
Open	5-10
THREE-POSITION KNOB	**10-CLICKS**

TORQUE SPECS

HARDWARE	TORQUE SPEC.	THREAD TREATMENT
Clevis to Swingarm Bolts	**15 Nm**	Titanium Bolts: Loctite 243 on threads, Ti anti-seize under head of bolt
Derailleur Hanger Bolt	**5 Nm**	Grease
Downtube Rock Guard	**2 Nm**	Loctite 243
Forward Shock Mount Bolt	**10 Nm**	Loctite 243 on threads, grease under head of bolt or mylar washer
Lower Link 6mm Preload Bolts	**2 Nm**	Loctite 243 on threads, grease on flange
Lower Link 5mm Pinch Bolts	**10 Nm**	Loctite 243
Lower Shock to Clevis Bolt	**20 Nm**	Ti anti-seize
Rear Brake Caliper	**6 Nm**	Loctite 243
Seat Binder	**5 Nm**	Ti anti-seize
Upper Link Bolts	**10 Nm**	Loctite 243

FOR MORE IN-DEPTH INSTRUCTIONS DOWNLOAD THE FULL SET UP GUIDE AT: ibiscycles.com/support/set-up_guide/