

RIDE-4 setup guide

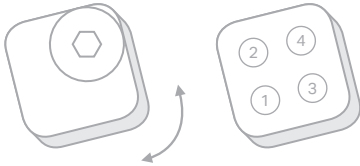
2020 Slayer

This guide introduces the geometry of the 2020 Rocky Mountain Slayer. It describes each of the RIDE-4 positions, and provides setup information for riders, mechanics, and suspension professionals.



RIDE-4 SYSTEM

The RIDE-4 adjustment system allows riders to quickly fine tune their geometry with a pair of Allen keys. Four configurations are possible thanks to a rotating chip.



SETUP TIPS

Geometry setup is a complex artform with huge variables in rider style, preference, terrain, and ability. We do recommend the use of professional services, but we also believe that learning to dial in your own bike is the best way to fully understand its performance.

When adjusting your RIDE-4 position, make gradual, incremental changes, take notes, and be methodical. Don't adjust in a hurry before a big ride. Take your time and enjoy the process.

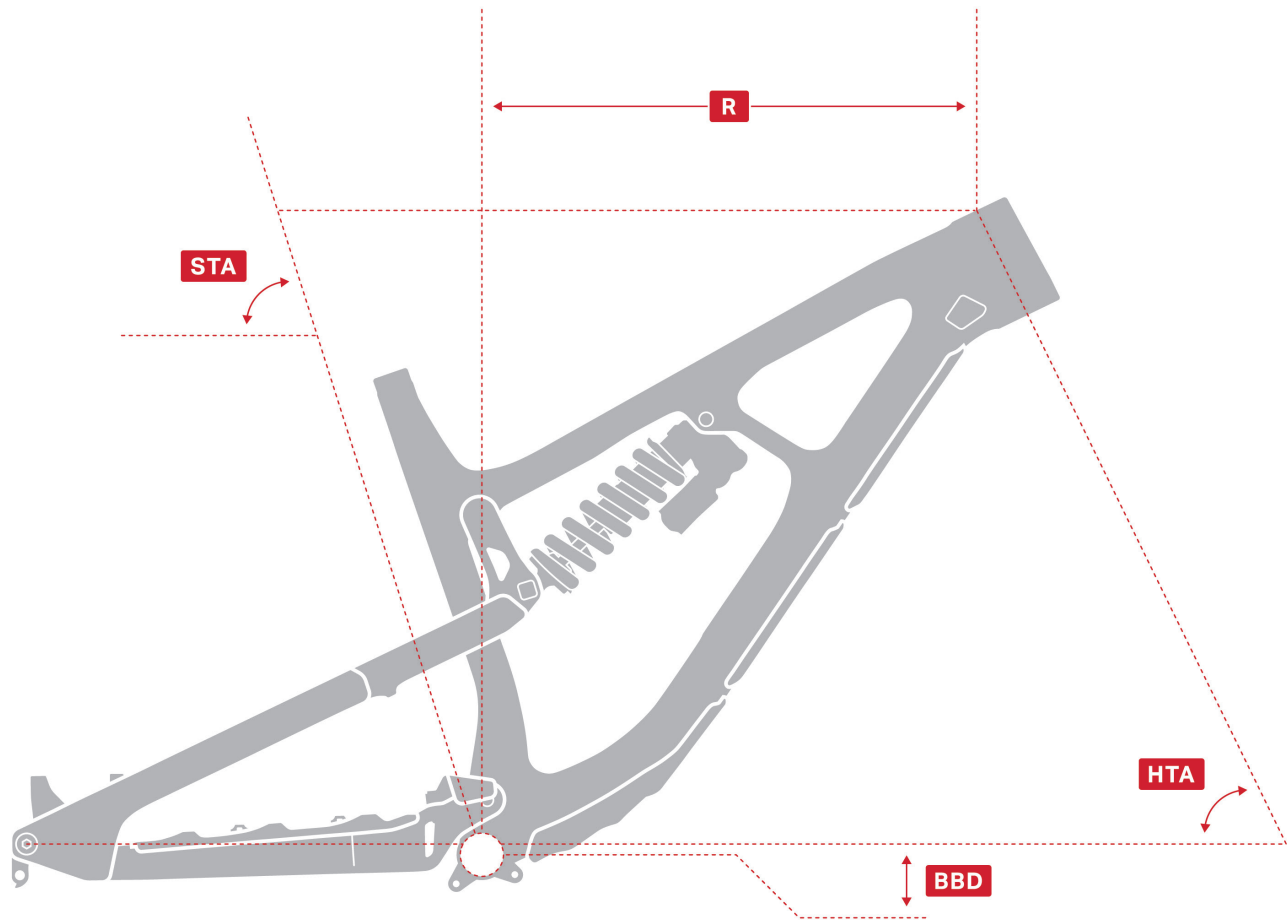
GEOMETRY INFORMATION

The Slayer received an all-new frame for 2020. The updated geometry retains a fairly steep seat-tube angle, while the reach has been extended and the head-tube angle has been slackened. We kept the BB drop neutral and the rear centre quite short to improve cornering, and shortened the seat-tube lengths to make room for the next generation of longer dropper posts.

Rider Rémi Gauvin
Photo Margus Riga
Location Vancouver Island, BC



TERMS



Bottom Bracket Drop (BBD)

Bottom bracket drop is how far below the height of the axles your bottom bracket is. More bottom bracket drop means a lower bottom bracket, which is critical in determining your centre of gravity. More bottom bracket drop (lower bottom bracket) makes cornering easier and increases the feeling of being “in” the bike, while less bottom bracket drop (higher bottom bracket) makes it easier to avoid pedal strikes.

Head Tube Angle (HTA)

Head tube angle is the angle from the ground to the fork. A slacker head tube angle allows the bike to plow over obstacles more easily, while a steeper head tube angle makes the bike respond faster to steering input.

Reach (R)

Reach is the horizontal distance measured from the bottom bracket to the head tube. It determines how the bike fits while the rider is standing up. Shorter reach makes the bike more agile and playful. Longer reach provides a roomier cockpit.

Seat Tube Angle (STA)

Seat tube angle is the angle from the ground to the seat tube, measured from bottom bracket to top of the extended seatpost. Steeper seat tube angles put the rider in a more powerful pedaling and climbing position, but too steep will cause awkward pedaling and steering dynamics.

2020 SLAYER RIDE-4 POSITIONS

POSITION 1
Slack

POSITION 2

POSITION 3
Neutral

POSITION 4



Slayer 29" (170mm fork)

	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
MD	63.8°	75.8°	420	600	95	443	34	830	1220	462	622
LG	63.8°	75.8°	445	628	110	443	34	830	1249	469	635
XL	63.8°	75.8°	480	657	125	443	34	830	1286	492	649

Slayer 27.5" (180mm fork)

	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	63.9°	75.4°	380	574	90	431	18	806	1180	419	595
MD	63.9°	75.4°	420	598	95	431	18	806	1205	444	600
LG	63.9°	75.4°	460	624	110	431	18	806	1234	469	614
XL	63.9°	75.4°	480	660	125	431	18	806	1273	494	627

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
- HTL** Head Tube Length (mm)
- RC** Rear Centre (mm)
- BBD** Bottom Bracket Drop (mm)
- SH** Standover Height (mm)
- WB** Wheelbase (mm)
- R** Reach (mm)
- S** Stack (mm)

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Slayer 29" (170mm fork)

	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
MD	64.1°	76.1°	420	599	95	442	30	831	1219	466	619
LG	64.1°	76.1°	445	627	110	442	30	831	1248	471	632
XL	64.1°	76.1°	480	656	125	442	30	831	1285	496	646

Slayer 27.5" (180mm fork)

	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	64.2°	75.7°	380	573	90	430	14	807	1179	422	593
MD	64.2°	75.7°	420	597	95	430	14	807	1204	447	598
LG	64.2°	75.7°	460	623	110	430	14	807	1233	472	612
XL	64.2°	75.7°	480	659	125	430	14	807	1272	497	625

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Slayer 29" (170mm fork)

	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
MD	64.5°	76.5°	420	598	95	442	25	832	1218	470	616
LG	64.5°	76.5°	445	626	110	442	25	832	1247	475	629
XL	64.5°	76.5°	480	655	125	442	25	832	1284	500	643

Slayer 27.5" (180mm fork)

	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	64.5°	76°	380	573	90	430	10	809	1178	425	591
MD	64.5°	76°	420	597	95	430	10	809	1203	450	596
LG	64.5°	76°	460	622	110	430	10	809	1232	475	610
XL	64.5°	76°	480	658	125	430	10	809	1271	500	623

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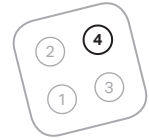
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Slayer 29" (170mm fork)

	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
MD	64.8°	76.8°	420	595	95	441	18	833	1215	473	614
LG	64.8°	76.8°	445	623	110	441	18	833	1244	478	627
XL	64.8°	76.8°	480	652	125	441	18	833	1281	503	641

Slayer 27.5" (180mm fork)

	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	64.8°	76.3°	380	572	90	429	6	811	1177	428	589
MD	64.8°	76.3°	420	596	95	429	6	811	1202	453	594
LG	64.8°	76.3°	460	621	110	429	6	811	1231	478	608
XL	64.8°	76.3°	480	658	125	429	6	811	1270	503	621

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LOVE THE RIDE

Development Centre

1225 East Keith Road, Unit #10
North Vancouver, BC Canada, V7J 1J3
T. 604-980-9938 F. 604-980-9975

Head Office

9095, 25th Avenue,
Saint-Georges, QC Canada G6A 1A1
T. 1-800-663-2512 F. 1-800-570-8356

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