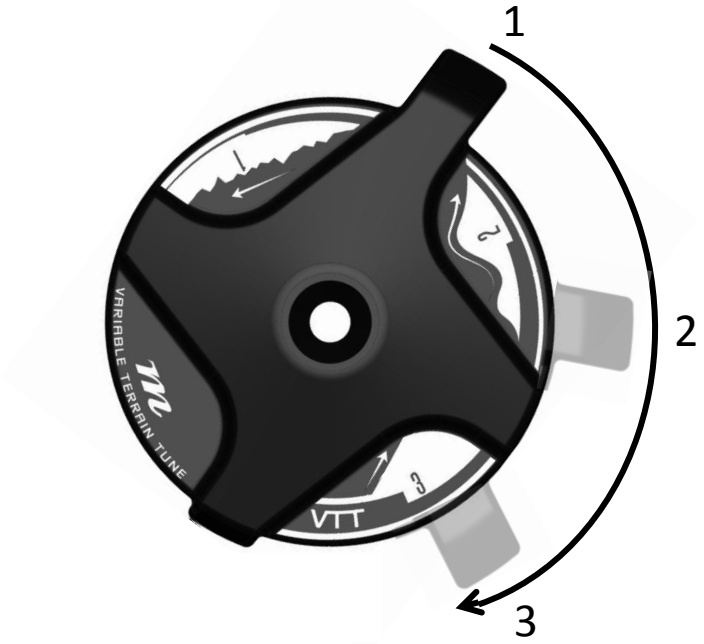
VTT TUNING GUIDE

VTT is designed to provide the rider with fast, on-the-fly, wide-ranging tuning adjustment to the damping characteristics for various terrains.

Three independent damping circuits create specific flow paths tuned to maximize pedaling efficiency and comfort for any terrain the rider may encounter.

These shim based damping circuits are factory tuned for a wide audience, but may be tuned after-market to suite any rider's preference.



Position 1 - Soft

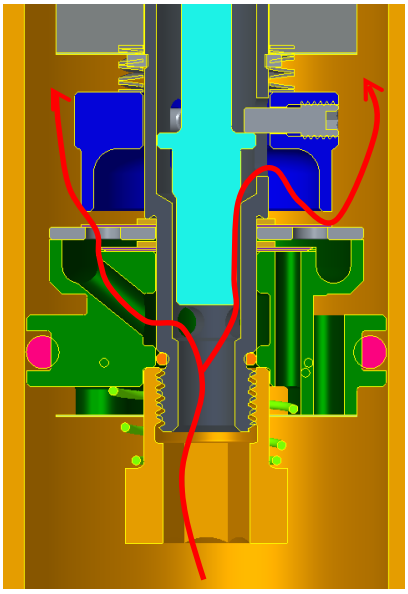
- High-speed preload valve disengaged. LS flow-path opened.
- This setting is for casual trail riding where comfort takes preference over speed.

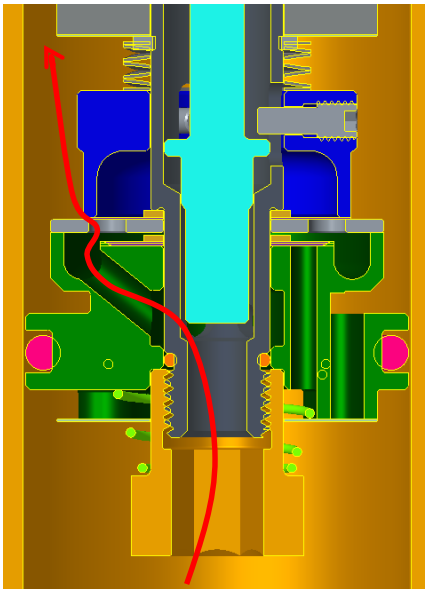
Position 2 – Firm

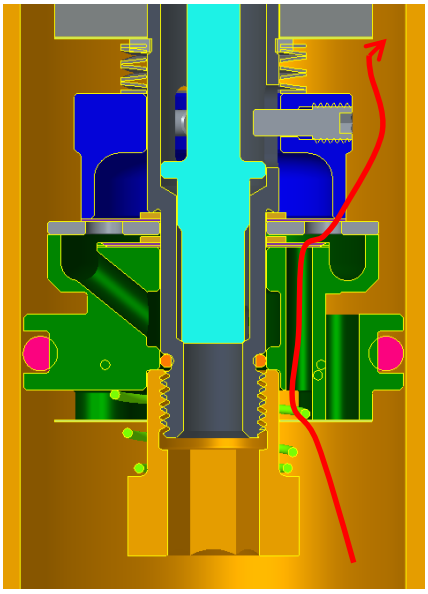
- High-speed preload valve engaged. Low-speed flow restricted.
- This setting is for pumping thru flow trail and additional support for hard charging downhill sections.

Position 3 - Platform

- Flow limited to preloaded shim valve
- This setting provides platform, limited movement of the fork, for maximum pedaling efficiency.





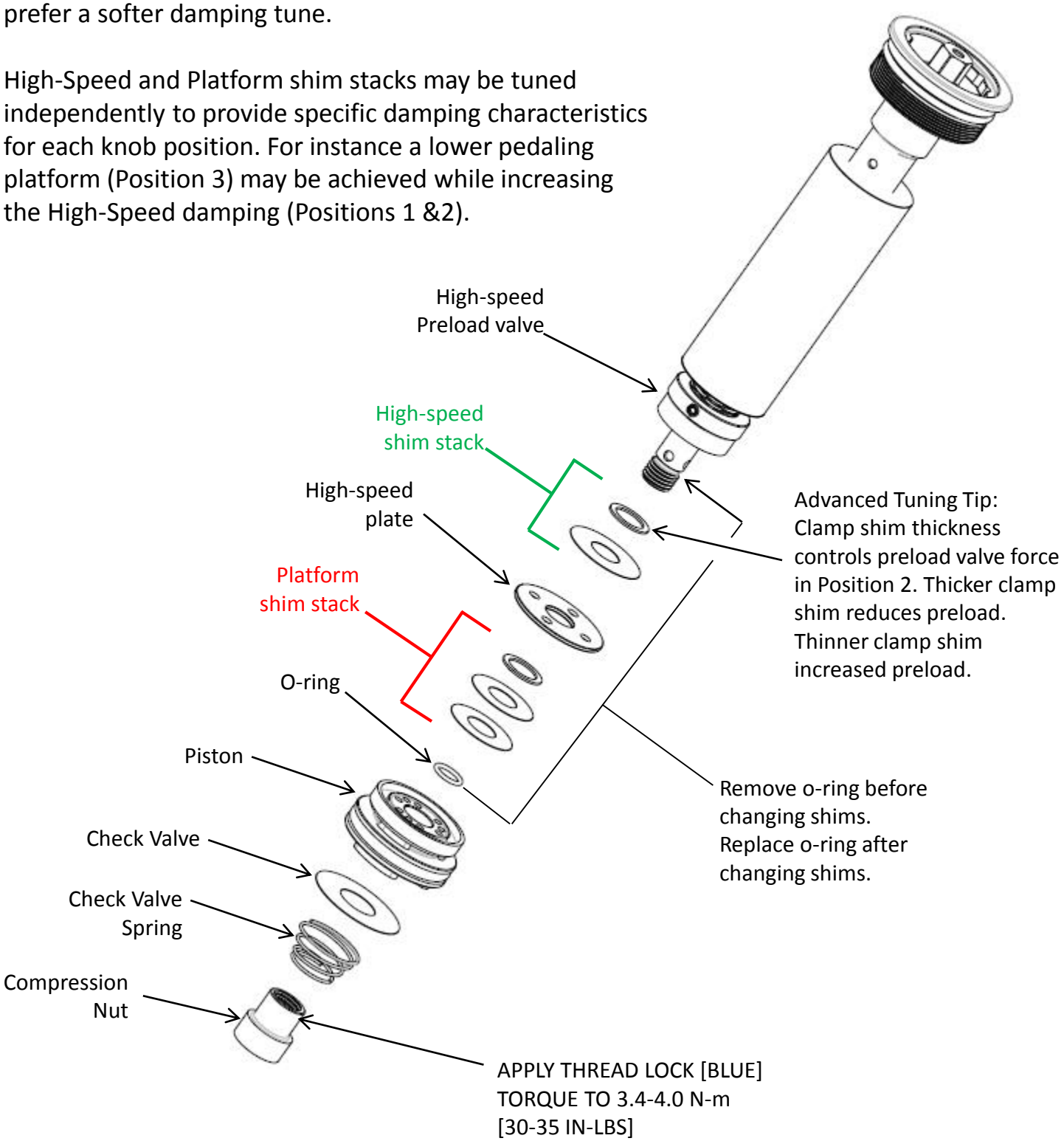


VTT DAMPER ARCHITECTURE

The shim-based design of the VTT damper can be fine tuned to the specific requirements of each rider.

A heavier or more aggressive rider may prefer a firmer damping tune. Likewise, a lighter or more casual rider may prefer a softer damping tune.

High-Speed and Platform shim stacks may be tuned independently to provide specific damping characteristics for each knob position. For instance a lower pedaling platform (Position 3) may be achieved while increasing the High-Speed damping (Positions 1 &2).



VTT DAMPER TUNING

In the table and dynometer plots below, four standard damper tunes have been created to demonstrate the effects on the Platform and High-Speed shim combinations. As noted before, the Platform and High-Speed shim stacks may be independently tuned to the needs of each specific rider.

	Extra-Firm Tune	Factory (Firm) Tune	Soft Tune	Extra-soft Tune
High-Speed Shim Stack Controls Positions 1&2	8x11x0.50 8x20x**0.15** 8x20x**0.20**	8x11x0.50 8x20x**0.15**	8x11x0.50 8x20x**0.10** 8x20x**0.10**	8x11x0.50 8x20x**0.10**
High-Speed Plate = 1mm	High-Speed Plate	High-Speed Plate	High-Speed Plate	High-Speed Plate
Platform Shim Stack Controls Position 3 Total Stack Min = 0.75mm Total Stack Max = 0.85mm	8x11x0.50 8x17.5x**0.20** 8x17.5x**0.15**	8x11x0.50 8x17.5x**0.15** 8x17.5x**0.15**	8x11x0.50 8x17.5x**0.15** 8x17.5x**0.10**	8x11x0.50 8x11x0.20 8x17.5x**0.15**

* Total shim stack height, including High-Speed plate must be 2.3-2.9mm