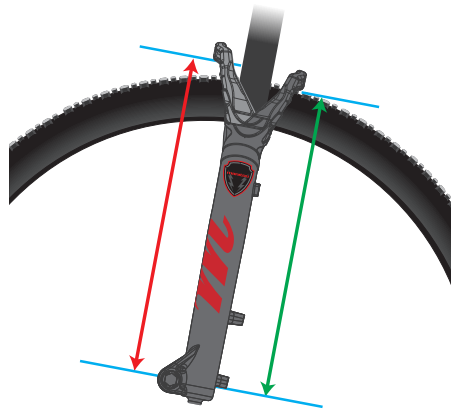


REVERSE ARCH: ADVANTAGES



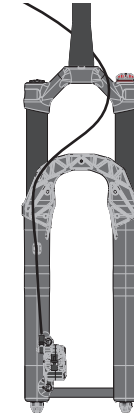
Reverse Arch has equivalent stiffness with less weight

By placing the arch in the rear, behind the high point of the tire, Manitou arch design achieves equivalent stiffness with less weight. The arch is shorter in height, resulting in more efficient use of material.



Reverse Arch shields the seals from debris

Manitou's Reverse Arch is the first line of defense, and protects the fork seals. While a traditional arch creates a pocket, catching and trapping contamination, Reverse Arch is a natural barrier blocking trail debris and contamination. A cleaner fork performs better.



Clean and protected hose routing

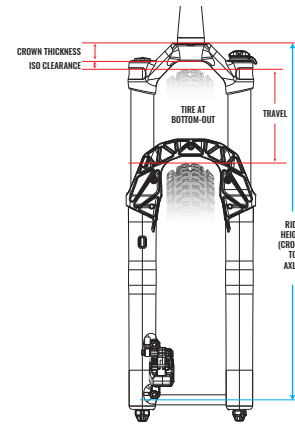
We route the brake hose from the caliper, along the rear of the fork leg, and loop behind the arch and crown. The result is a hose that is protected from impact and snagging, routed cleanly and symmetrical to other hose and cable.

REVERSE ARCH: MISCONCEPTIONS



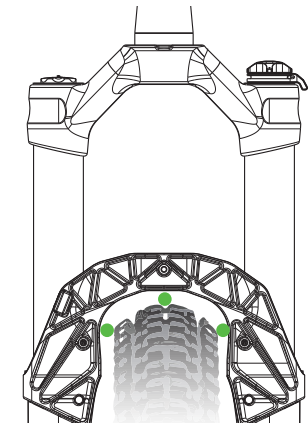
Reverse Arch does not affect frame clearance

Clearance between a frame's downtube and the fork is determined by: fork crown pitch and adjuster knob height when fork is turned 90°.



Reverse Arch does not affect ride height, and provides the same ride height opportunities as a forward arch

Ride height is determined by three factors: max tire fit, clearance between tire and crown at full bottom out, and crown thickness (from crown race to bottom surface).



Reverse Arch allows for identical tire clearance as a forward facing arch

We design our Reverse Arch around largest intended tire size, using all ISO specifications. We account for tire abnormalities, brand sizing deviation, and wheel failure situations.

manitou