

Excerpt from All-Terrain Hand Brake Design FMEA (with missing/incorrect elements for teaching purposes)

Item/Function	Status	Potential Failure Mode	Potential Effect(s) of Failure	S E V	Potential Cause(s) of Failure
<p>Hand Brake S/S: Provides the correct level of friction between brake pad assembly and wheel rim to safely stop bicycle in the required distance, under all operating conditions.</p>	<p>Preliminary</p>	<p>Insufficient friction delivered by hand brake subsystem between brake pads and wheels during heavy rain conditions.</p>	<p>Bicycle wheel does not slow down when the brake lever is pulled potentially resulting in accident.</p>	<p>10</p>	<p>Cable breaks</p>

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