



# Bikepacking Repair Kit: Field Utility & Checklist

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**Goal:** Turn a small failure into a quick stop. This utility is designed for rapid packing and trailside reference.

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## 1. My Bike Specs (The Compatibility Check)

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**CRITICAL:** Fill this out before every trip. The right tool/part is useless if it doesn't fit your bike.

Component	Your Specification (Write Here)
Tire Size	_____
Valve Type	_____
Chain Speed	_____
Derailleur Hanger Model	_____
Special Tool Needs	_____

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## 2. Master Checklist: Starter vs. Remote

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Use your phone's PDF editor or a pen to check the boxes.

### Starter Kit (Day/Weekend Trips)

- Multi-tool** (Must fit all your bolts)
- Chain Breaker** (Integrated into multi-tool or separate)
- Quick Links** (x2, matching chain speed)

- Spare Tube** (x1-2, correct size/valve)
- Tire Levers** (x2-3, durable)
- Mini Pump** (Reliable)
- Tire Boot** (or old tube section for sidewall cuts)
- Zip Ties** (A few sizes)
- Duct Tape** (Wrapped on pump/bottle)
- Small Parts Bag** (Brightly colored)

## **Remote Upgrades (Week+ / Far from Help)**

- Spare Derailleur Hanger** (Bike-specific, **CRITICAL**)
- Extra Quick Links** (Total 4-6)
- Patch Kit** (Backup to tubes)
- Spoke Option** (Wrench + 1-2 spare spokes)
- Spare Brake Pads** (x1 set)
- Small Chain Lube**
- Extra Tape/Zip Ties**

## **Tubeless-Specific (Add to either kit)**

- Tire Plugs + Tool**
- Valve Core Tool**
- Sealant Top-up** (Small bottle)

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### 3. 🧡 Trailside Cheat Sheet (The 60-Second Fix)

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#### 🔴 Scenario 1: Flat Tire

Step	Action	Notes
1. Stop	Get off the trail safely.	
2. Tubeless?	YES: Plug the hole. Spin wheel to seal. NO: Proceed to Step 3.	
3. Large Cut?	YES: Use a <b>Tire Boot</b> on the inside of the tire casing.	Prevents the tube from bulging out.
4. Insert	Insert a <b>Spare Tube</b> .	Even tubeless riders use a tube for large cuts.
5. Inflate	Pump up to riding pressure.	

#### 🔗 Scenario 2: Broken Chain

Step	Action	Notes
1. Assess	Find the broken link.	
2. Remove	Use the <b>Chain Breaker</b> to push out the pin and remove the damaged section.	
3. Rejoin	Use a <b>Quick Link</b> (matching your chain speed) to connect the two ends.	<b>Do not</b> try to re-use the old pin.
4. Test	Slowly pedal to ensure the link is seated.	<i>If you removed too many links, you may lose the ability to use your largest cogs.</i>

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### 4. ⚠ The Bail Protocol (When to Call for Help)

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These are **Red Flags**. A field repair is not worth a safety risk.

- Frame/Fork Damage:** Any crack or bend that compromises steering.

- Brake Failure:** Both brakes fail and cannot be fixed in 5 minutes.
- Catastrophic Wheel Failure:** Severely buckled wheel or cracked rim.
- Exposure Risk:** Mechanical failure combined with rapidly worsening weather (blizzard, heat, etc.).
- Injury:** You or your partner are injured and cannot safely continue.

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## 5. Organization Tip: The Tiny Enablers

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These are the most forgotten items that save trips. Keep them in a **separate, small, zippered bag** inside your main repair kit.

- **Quick Links**
- **Spare Valve Cores**
- **Valve Core Tool**
- **Small amount of cash** (for emergency resupply)
- **Derailleur Hanger** (if remote)
- **Tiny Bag/Container** (to hold the above)

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A resource from [The Traveling Vagabond](http://TheTravelingVagabond.com)