

TerraCycle™ Optima Baron Power Side Idler Kit

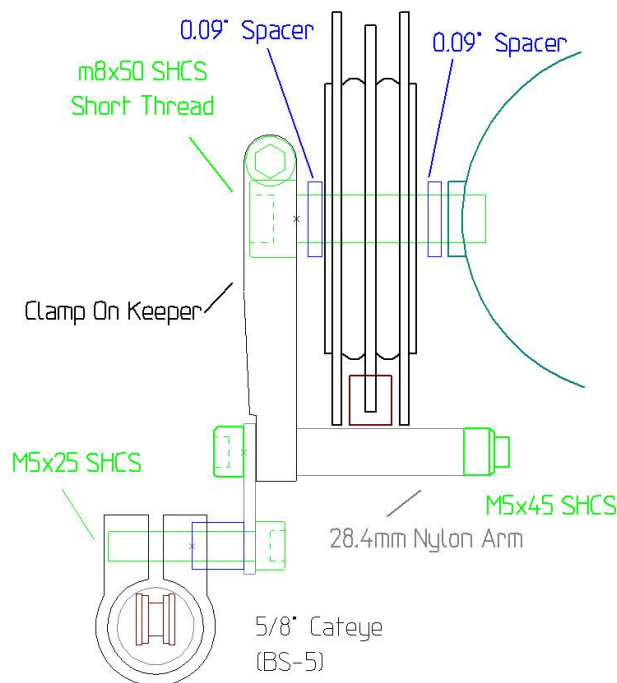
Installation and Adjustment Instructions

Introduction

This kit consists of Power Side Idler, a clamp on chainkeeper, a new bolt, and a chaintube clamp for Optima Baron bikes. This kit is designed to completely replace the existing Power Side idler setup on an Optima Baron. We make a different kit that replaces both the power and return idlers.

Tools Required

You will need 5 and 6mm Allen wrenches; a short piece of wire, like a long twist tie, is handy also.

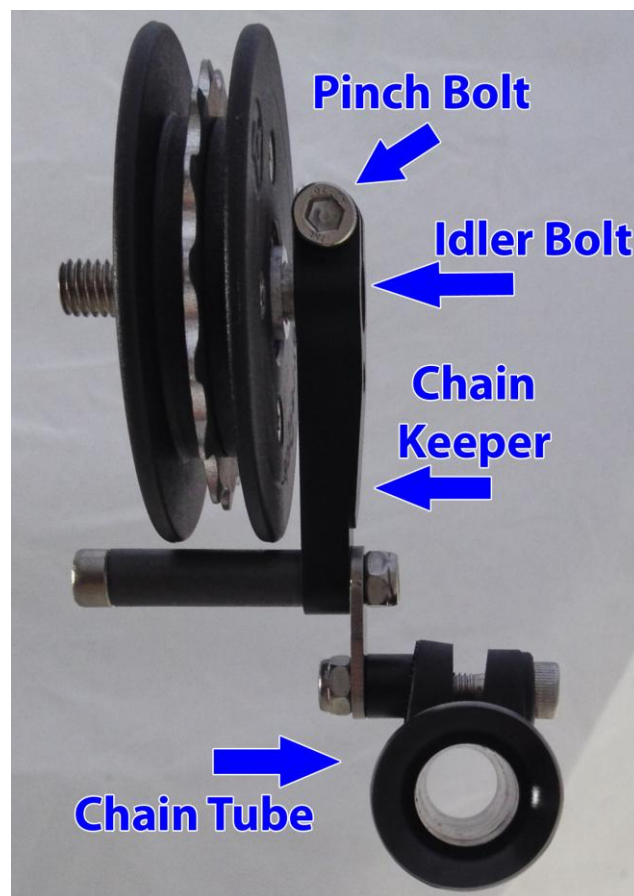


Installation

Installation involves removing the existing idlers, installing the new idler, and adjusting the chainkeeper.

- 1. Remove the existing Idler and chaintube under the seat.** Break the chain at the Quick Link if it has one, or use a chain tool to separate the chain and slide it out of the chaintube. To preserve your sanity, it's a good idea to use a short piece of wire to hold the ends of the chain together while you work—keeps the chain from slithering out of the derailleurs while you're not watching. Remove the 8mm bolt that the existing idler rides on. Set the old parts aside; none of them will be used in the new setup.
- 2. Temporarily remove the chainkeeper from the new idler bolt.** Loosen the 5mm pinch bolt that holds the keeper to the head of the 8mm stainless bolt and slip the keeper off. You will reinstall the keeper after the idler is in place.
- 3. Install the new idler** as shown in the drawing. Note there is a spacer between the head of the idler bolt and the idler. With the spacer and the idler on the bolt, insert the bolt into the frame boss and tighten the bolt with the 6mm Allen wrench. Tighten securely, to about 60in-lb (6.5N-m).

- 4. Reinstall and align the chainkeeper** Lay the power side of the chain into the idler, then slip the chainkeeper back onto the head of the idler bolt. Line it up so the inside edge of the keeper is in line with the inside edge of the head of the bolt. Tighten the 5mm pinch bolt slightly, then rotate the keeper until it is at the apex of the chain. Double check the inside edge alignment, then tighten the pinch bolt until the chainkeeper is secure, about 25in-lbs (2.8N-m).
- 5. Put the Return Chain through the chain tube.** This is often easier to do if you attach a small piece of wire to one side of the chain and feed the wire through first. Make sure that the chain isn't twisted, then attach the chain back together.
- 6. Check that nothing is rubbing and that the idler floats side to side.** Gently rotate the cranks backwards to make sure the idler turns smoothly and nothing is rubbing. If the bike is on a stand, turn the cranks forward and check to see that the idler floats side to side as you change gears. If everything looks good, take it for a test ride.



Note that there will be a short break-in time for both the Power Side cog and the Return tube during which things will quiet down even more as the chain and the idler get to know each other.

That's it! May you ride in peace and quiet for years and years!

