



Aqua-Cycle International, Inc.

Ride a Tricycle on Water

AC3 Fork Pinch-Point Kit

This kit is designed to protect fingers from being pinched between the fork and frame gussets (supports which reinforce the frame head).

Parts: This kit consists of two pieces: a rectangular shaft 4" x 3/4" x 3/8" and a U-bracket 10" x 2" x 7/8".

Concept: The shaft is welded onto the front of the frame head (where the fork attaches to the frame). The U-bracket is welded onto the front of the fork. With the fork assembled onto the frame, the shaft is enclosed or covered by the U-bracket. When the fork is turned to either far side, the shaft hits the inside wall of the U-bracket and stops any further turning that direction prior to the fork hitting the gussets.

Installation: Remove the fork and fork bushings from the Aqua-Cycle frame head tube. Weld the 3/8" side of the shaft vertically onto the front of the head tube. The shaft will extend forward from the front of the head tube by 3/4".

Weld the U-bracket vertically to the fork, perfectly centered from side to side, onto the front of the two cross braces (through which the fork pin passes during assembly). The sides of the U-bracket or "legs" are the surfaces which are welded to the fork cross braces. Do not weld the U-bracket backwards (with the flat side of the U-bracket touching the fork cross braces and the sides or legs pointing forward).

Be sure all welds are of high quality and very secure. Once the welds cool, reassemble the fork bushings, fork, and fork pin. Use the same bolts, nuts, and washers as before. Due to the U-bracket now covering the fork mounting bolt holes, assemble the bolts by holding the washer and nut in place inside the U-bracket and insert the bolt from the back side with a washer on its head.

If you have any questions about this installation, please call our office. We are available and glad to talk you through this process.

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