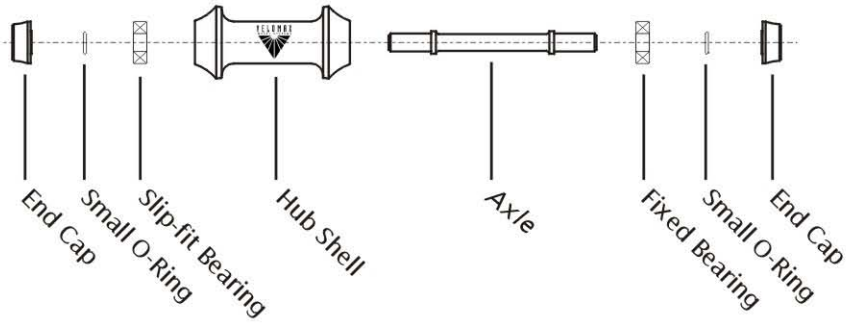
Technical Manual

Circuit Front Hub Disassembly / Assembly

EXPLODED VIEW



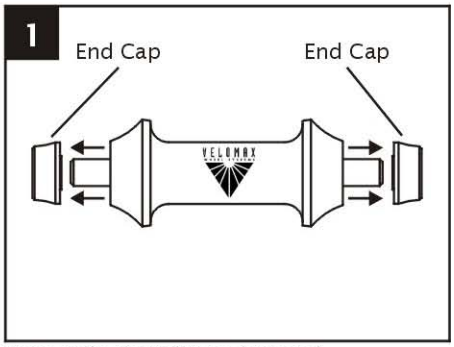
TOOLS/SUPPLIES REQUIRED:

Plastic Mallet
Velomax Bearing Drifts
(1 BLACK and 1 RED)
Waterproof Grease
Quick Release Skewer (front)
Loctite Green 638
(alternate: 609, 603, 620)

DISASSEMBLY

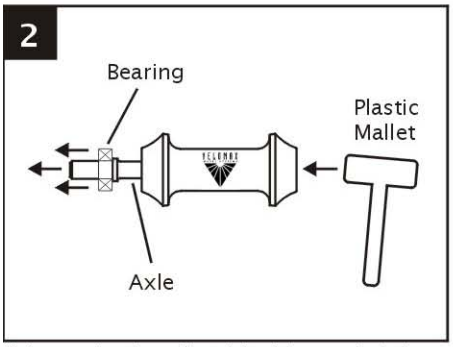
Read instructions through before starting

1



Remove both End Caps by hand.

2



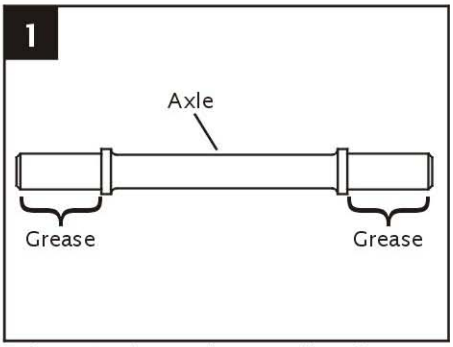
Using a plastic mallet, hit either end of the Axle to drive out a Bearing. Reinsert the Axle into the Hub Shell and drive out the other Bearing in the same manner. DISASSEMBLY is now completed.

ASSEMBLY

Read instructions through before starting

Before starting, make sure all surfaces are free of grease, oil or contaminants.

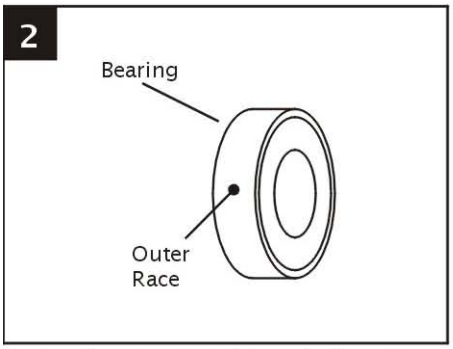
1



Before starting, make sure all surfaces are free of grease, oil or contaminants.

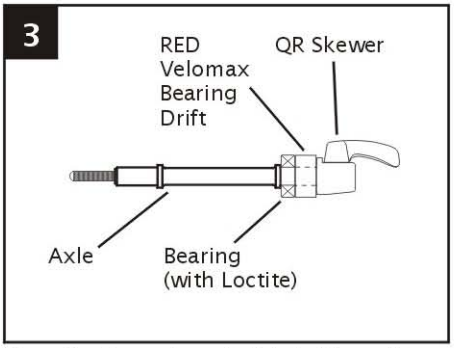
Apply a thin coat of grease to the ends of the Axle.

2



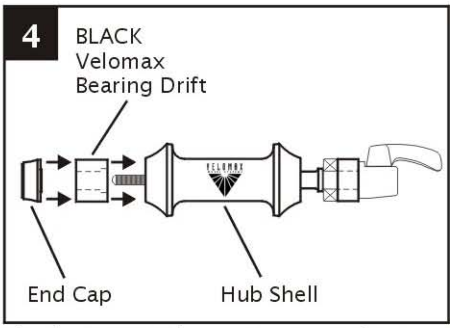
Apply a thin, barely visible coat of Loctite 638 (or alternate) to the outer race of each Bearing.

3



Slip a Bearing onto end of Axle. Then place the RED Velomax Bearing Drift next to the Bearing. Slip a quick release skewer through the Axle.

4

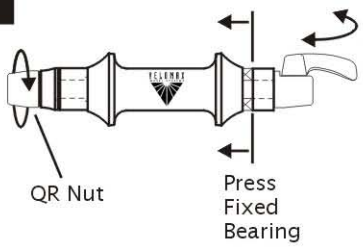


Slip the BLACK Velomax Bearing Drift into the Hub Shell. IMPORTANT - Recess in Bearing Drift must face IN. Insert Axle / Bearing assembly into Hub Shell. Then, slip one of the End Caps onto the Axle, next to the Black Bearing Drift.

Technical Manual

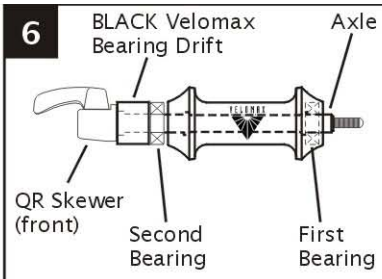
Circuit Front Hub Disassembly / Assembly

5



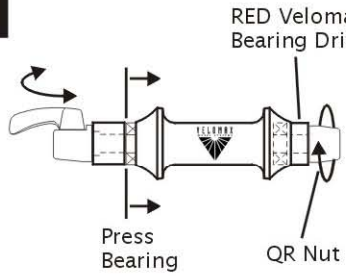
With the QR lever open, screw on the QR nut until tight. Press the Bearing into the Hub Shell by closing the QR lever. Open the lever and re-tighten the QR nut, then close the lever again. Repeat until Bearing is FULLY BOTTOMED. Remove skewer, Drifts and End Cap from Hub.

6



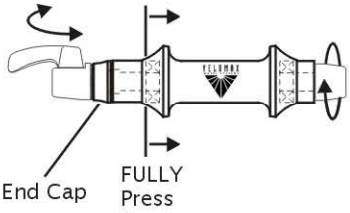
With the Axle still in the Hub, slip the remaining Bearing onto the Axle and line up in the bearing bore. Place the BLACK Velomax Bearing Drift against the Bearing. IMPORTANT - The recess in the drift must be facing OUT. Slip a QR skewer through the Axle.

7



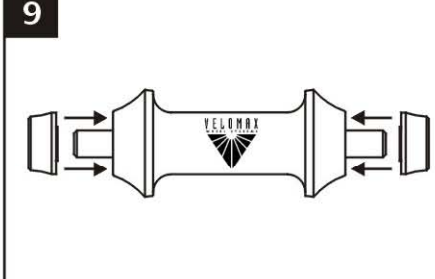
Place the RED Velomax Bearing Drift onto the other end of the Axle. With the QR lever open, tighten the QR nut onto the QR skewer. Press the Bearing into the Hub until it feels like the Bearing is bottomed. *Note* - the Bearing is not fully pressed yet.

8



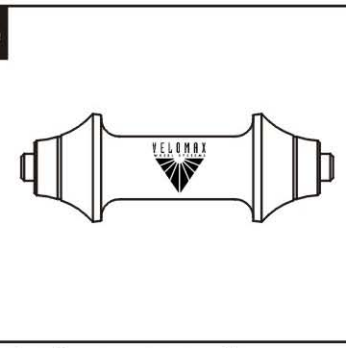
Remove the QR nut and place one of the End Caps against the BLACK Velomax Bearing Drift. Reinstall the QR nut and press the Bearing the rest of the way in. Remove QR and Bearing Drifts.

9



Wipe clean any excess Loctite. Slide both End Caps on by hand.

10



Completed Circuit Front Hub.

To make sure everything was done right, check the following:

1. Push on one side of the Axle. Then, push on the other. There should be no play.
2. Clamp the wheel into the bicycle fork dropout. Spin the wheel with the QR open. As the wheel is spinning, tighten the QR. If the wheel slows down quickly, then the Bearings are installed wrong.