

## **Autotec hub service**

1. Start by loosening the end caps of the hub with a 6mm hex wrench. One side will come loose as the other side is held in place. Completely remove the end cap to expose the axle and insert a 10mm hex wrench into the axle. Now loosen the end cap on the opposite side. The free-hub body should easily slide off the drive side of the axle. If it does not, install a cassette lock ring on the body hand tight, and tug away from the hub shell.
2. Insert either a 2mm or 2.5 mm hex wrench (depending on model year) into the port on the non-drive side of the hub to loosen the preload collar. Spin the preload collar counter clockwise off the axle. With a plastic mallet tap the axle from the non-drive side. This should push the axle and bearing out of the drive side of the hub shell. Insert a punch into the drive side of the hub and line it up with the bearing on the non-drive side of the hub. Tap the punch to drive the bearing out of the non-drive side of the hub.
3. Clean and inspect the hub shell and freehub body.

## **Installing the axle and new bearings**

1. Start by installing a new 6902 bearing into the non-drive side of the hub. This bearing is press fitted so it will require a bearing seating tool to be pressed into place.
2. Put a light coating of grease on the axle and install it from the drive side of the hub with the coned ring facing the non-drive side of the hub.
3. Now install a 6902 bearing over the axle on the drive side of the hub. Using a bearing seating tool, tap the bearing in until it is seated flat.
4. Install the free hub spacer, cassette seal, and freehub body with a coating of light grease.
5. Using a 10mm hex wrench, hold the axle on the non-drive side. Reinstall the axle cap on the drive side of the hub.
6. Install the preload collar on the non-drive side of the hub with the raised side towards the hub shell. While holding the drive side of the axle with a 6mm hex wrench, tighten the collar just enough to take any play out of the hub. Using the 2/2.5 hex wrench, tighten the collar through the port on the non-drive side of the hub.
7. Now reinstall the non-drive side axle cap and tighten with a 6mm hex wrench while holding the drive side with a 6mm hex wrench.