

TECHNICAL GUIDE

ADJUST GEARS

Overview: If the gears are slipping or not shifting properly, it is likely that your shifter cable has stretched – which is normal and occurs over time. Using the shifter’s barrel adjuster on the handlebar, you can compensate for this stretching and realign your gears quickly and easily. To make this adjustment, you will need a flat head or Phillips head screwdriver.

Step 1: Turn shifter to put the bike in 4th gear.

Step 2: Remove the black dust cover from the rear gearbox by removing the two screws and sliding the dust cover backwards off of bike.

Step 3: Go behind the bike and look at eye level with the rear hub. Look for the two alignment indicators (Figure 1). These indicators are on the cassette joint pulley (parts between shaft drive and Shimano hub). For 7-speed bikes, this will be two red indicators; for 8-speed bikes, this will be two yellow indicators. When looking at the rear wheel from behind at eye level, these two colored indicators (#1 and #2 in Figure 2) should be lined up side by side when the bike is in 4th gear. Also note that the shifter cable will be to the inside (closer to the hub) of these two colored indicators. Note that the paint on the tip of the inside indicator (#2 in Figure 2) can sometimes get scraped off, but this indicator is shaped like a triangle. The tip of this indicator should be used for alignment.

Step 4: If these colored indicators are not lined up, turn the barrel adjuster which will rotate the inside colored indicator. The barrel adjuster is a black dial where the shifter cable attaches to the shifter on the handlebar (Figure 3). Turn the barrel adjuster until you see the dots lined up. When you have aligned the colored dots, turn the shifter from 1st gear to 7th (or 8th) gear and back to 4th gear to confirm the colored indicators are still lined up. If not, repeat this process of turning the barrel adjuster until the colored indicators remain aligned in 4th gear after rotating through the gears.

Step 5: Put black dust cover back on rear gearbox and secure with screws.

Figure 1. Look at bike from behind at eye level with hub

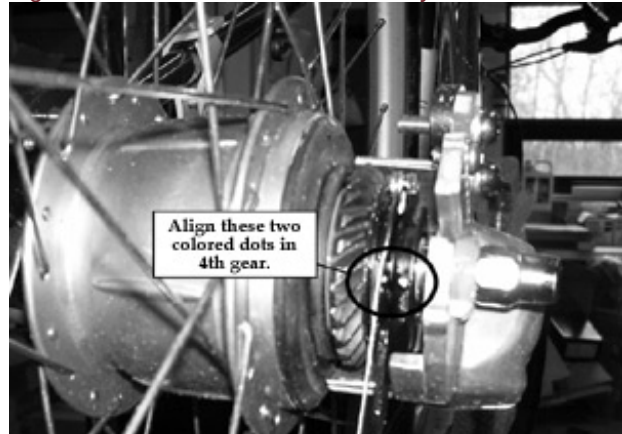


Figure 2. Align Colored Indicators

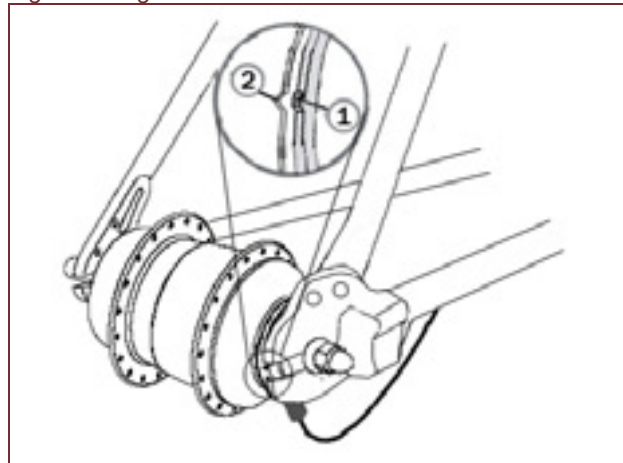


Figure 3. Turn Barrel Adjuster

