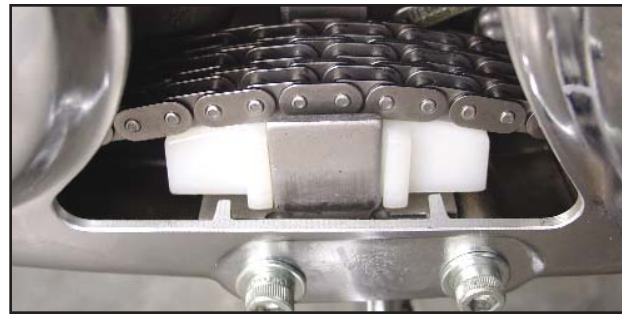
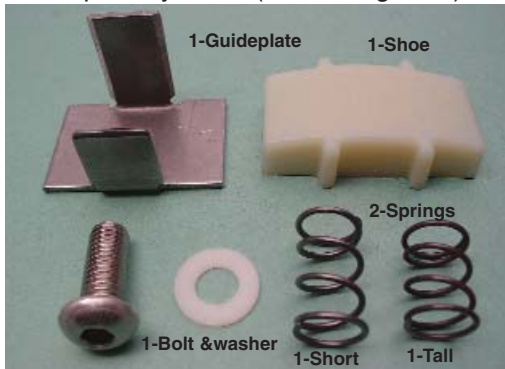
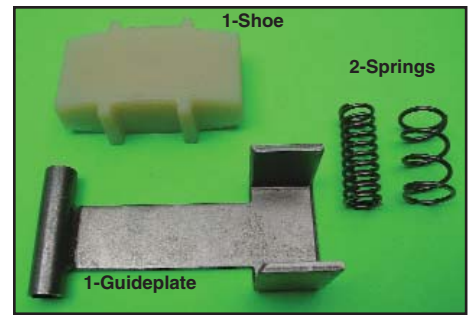




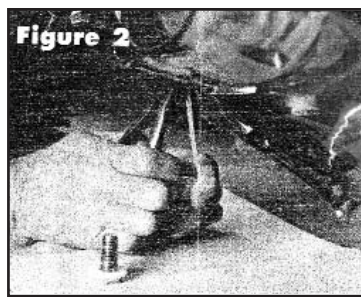
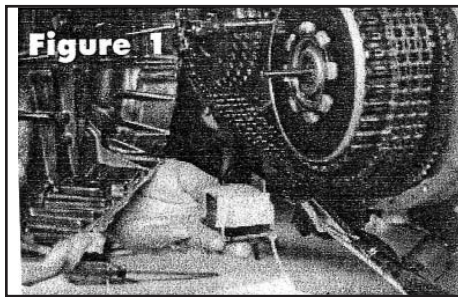
VT No. 18-3683 for 1977-90 XL.

The chain tensioner when installed automatically self-adjusts the tension on the primary chain to provide constant and even tension which improves your transition in gear shifting, reduces shifting noise, extends chain life and makes for a much smoother ride.

1. Drain oil
2. Remove primary adjuster bolt
3. Remove factory chain tensioner and spring
4. Place the smaller inside the larger spring and place them in the hole in the bottom of the nylon shoe. With the smooth surface facing up on the shoe, install into the steel guide plate with guideplate legs facing up. (as per photo)
5. Compress the springs by pressing the plastic shoe down as you install unit on the factory stud.
6. Slip adjuster on the factory locator stud as a unit, as you lift up on the primary chain.
7. Be sure to slide the adjuster all the way onto the stud.
8. Install bolt into factory adjuster bolt hole after using silicone seal or gasket seal on threads of bolts to prevent leakage. Re-install primary cover (with new gasket) and oil



Pre-Assemble before installation!



VT No. 18-3684 for 1991-up XL.

1. Refer to the HD manual and disconnect the clutch and remove the primary cover.
2. You can leave the clutch cable attached to the primary cover. Remove the the chain tensioner and the adjusting bolt from the primary cover by removing the lock nut on the bottom of the cover and screwing the bolt up through the cover using an allen wrench.
- 3 Install one of the two SPRINGS provided into the plastic SHOE, if your primary chain has less than 30k miles use the short spring, if you chain exceeds 30k miles or you have had chain stretch, use the taller of the two. Install SHOE and SPRING in the GUIDE PLATE.
4. Install the primary gasket onto the case. Now you are ready to install the outer primary cover and the unit onto your motorcycle.
5. Slip the primary cover onto the shift shaft leaving enough room to install the unit between the cover and case. Next, install the pre-assembled unit with the tall side of the steel GUIDE PLATE towards the case by moving it up between the primary cover and case. Push the tension up against the chain with the tall side of the guide plate BEHIND the primary chain in line with the adjusting hole in the bottom of the primary cover.
6. Install the primary cover, taking caution not to damage the gasket.
7. Align the unit to the adjusting bolt hole by using a screwdriver or center punch. Install the supplied bolt and washer using blue Loctite on the threads.
8. Remove the inspection cover and check the travel of the primary chain. The chain should travel approximately 3/8 of an inch. If travel is 5/8 or more, replace primary chain for normal operation.
9. Replace oil.