

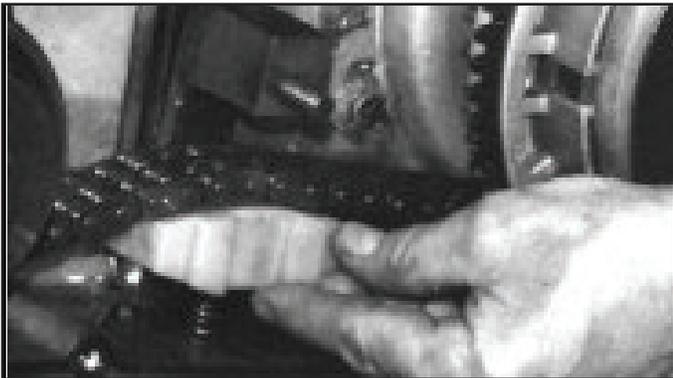
York Chain Tensioner for Big Twins. VT No. 18-0580

The York Chain Tensioner when installed in the primary engine case, automatically self-adjusts the tension on the primary chain to provide constant and even tension which improves gear shifting, reduces shifting noise.

1. Put your bike in neutral. Drain your oil and remove the primary engine cover.



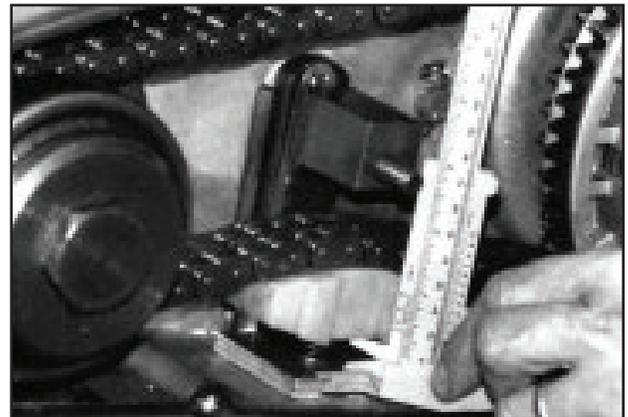
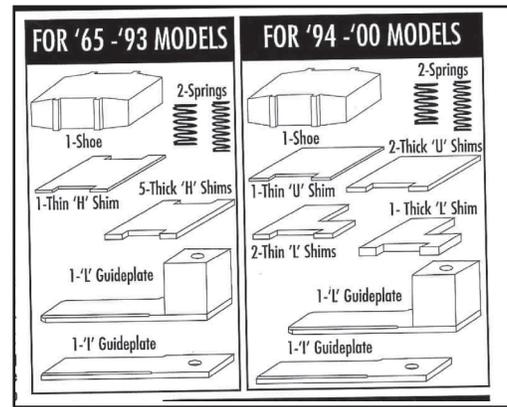
2. Remove the factory chain tensioner, but DO NOT remove the inner slotted adjustment bracket that is held in place with two flush screws. Then slip the GUIDE PLATE (with the large steel block on the end) over the carriage bolt and slide it back against the factory slotted adjustment bracket with the block facing you. In some cases, the length of the guide plate may need to be shortened to fit your primary case. This can be accomplished by grinding the end as required.



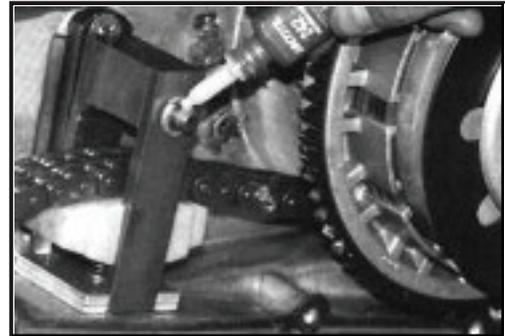
3. Place the smaller SPRING inside the larger SPRING and place them in the hole in the bottom of the SHOE. With the smooth surface facing up on the SHOE, slip it under the lower primary chain and fit it against the "L" shaped guideplate. Note: Never use washers in the SHOE or any other use in installing Chain Tensioner.

4. Place the SHIMS under the springs until you reach a measurement of 5/8" from the bottom of the SHOE to the top of the SHIM pack. If you need more than 5 SHIMS, this may indicate that your primary chain is worn and should be replaced.

94 & Up models use the 'L' SHIMS as shown above at the bottom of the stack to accommodate uneven design in the engine case, installing the thick 'L' SHIM at the bottom. Always use a "U" shim on top to give a full surface for the springs to sit on.



5. Place the other GUIDE PLATE with the bevel-cut edges facing inwards (towards the SHOE). Keeping the M6 held at a 90° (right angle) to the lower primary chain, torque the nut to 33 ft. pounds



6. Oil and re-assemble the primary engine case. Check the unit for wear every 20,000 miles...and always keep clean oil. At some point in time you will have chain 'stretch' and will need to add an additional shim. Save your extra shims and instructions sheet for future use.