



## TT420: Primary Chain Tensioner Adjustment

January 4, 2010



**Primary  
Drive**

APPLIES TO	SYMPTOMS
2007-Later Big Twin Models	<ul style="list-style-type: none"><li>• Abnormal or Excessive Sound</li><li>• Abnormal Vibration</li><li>• Driveability or Performance Concerns</li></ul>

If you experience primary chain noise during PDI and prior to test riding the motorcycle, please do not remove the primary chaincase cover and make adjustments to the chain tensioner at this time.

Instead, perform the remainder of the PDI procedure. During the test ride, operate the vehicle long enough to bring the primary assembly up to operating temperature. If you still experience primary chain noise, perform two or three hard acceleration/deceleration cycles.

This may allow the chain tensioner to move to the next adjustment notch. The chain tensioner requires not only the spring pressure to move the ramp but also a small amount of vibration to help break the friction. Vehicle operation at temperature, vibration, and oil covering all of the surfaces aids in allowing the chain tensioner to function properly.