V-Twin Mfg.
Belt Tension Tool
VT No. 16-1765
For use on HD Models

This tool should only be used by a knowledgeable and trained motorcycle technician. V-Twin Mfg. Excepts no responsibility for improper use.

This tool is designed to help properly adjust belt tension on all HD model motorcycles equipped with a secondary drive belt.

Follow these steps to check for proper belt tension.

1. Position small O-ring on tool directly over the 10 lb. Mark.
2. Position saddle, on upper end of tool, against the lower bottom strand of the belt just in front of the lower belt guard.
3. On 1985 and later vehicles, note which mark on the lower belt guard is directly opposite the saddle on the tool. On 1984 and earlier models mark the location on the lower belt guard that is directly opposite the center of the tool.

NOTE: This first reading represents “zero” force or load.

4. Push the end of the tool directly upward until small O-ring just touches the bottom of the tool body. This means 10 lbs of force has been applied to the belt. Note the reading or mark location on lower belt guard.

CAUTION: Tool must be kept at 90 degree angle to belt, both side-to-side and front-to-back in order to obtain an accurate reading. To ensure accuracy, measurements should be taken with one rider sitting on the motorcycle with the motorcycle in an upright position.

NOTE: The larger O-ring on the body of the tool can be used as a “zero” reference mark.
On 1985 and later models, each mark on the lower belt guard represents 1/8 in. increment.
On 1984 and earlier models, use larger O-ring on tool to mark zero deflection and measure distance from saddle to large O-ring to obtain reading.

5. If reading is outside allowable deflection limits adjust rear wheel according to the service manual.

NOTE: The allowable deflection on 4 Speed models is 5/8” - 3/4”.
The allowable deflection on 5 Speed models is 3/8” - 5/16”.