



# INSTRUCTIONS

-J00089

REV. 7-1-95

Kit Number 40006-85

## BELT TENSION TOOL

### General

This tool is designed for use as an aid in properly adjusting belt tension on all Harley-Davidson model motorcycles equipped with a secondary drive belt.

Refer to your Owner's Manual for proper belt tension specifications.

### Procedure

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 debris deflector. See Figure 1.
3. On 1985 and later vehicles, note which mark on the debris deflector is directly opposite the saddle on the tool.

On 1984 and earlier vehicles, mark with chalk or grease pencil the location on the debris deflector that is directly opposite the saddle of the tool.

#### NOTE

*This first reading represents "zero" force or load.*

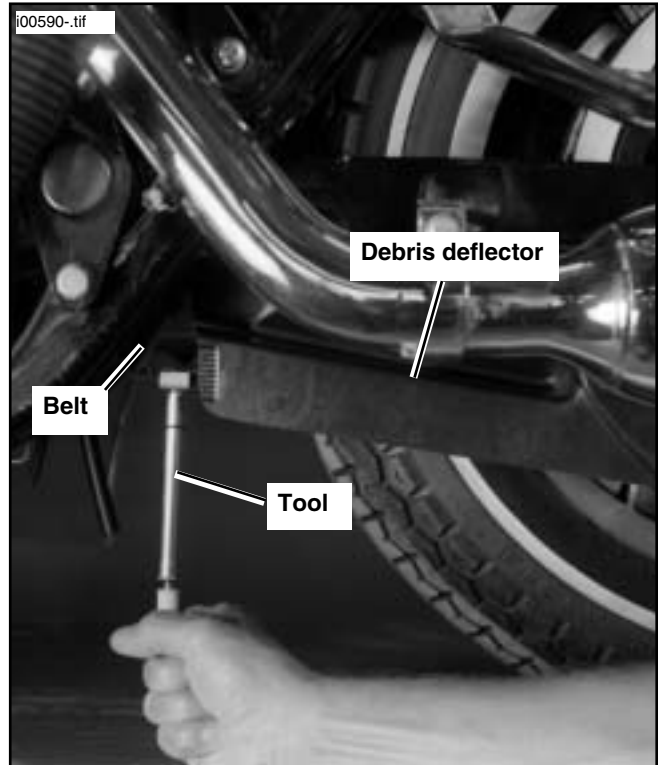


Figure 1. Measuring Belt Deflection

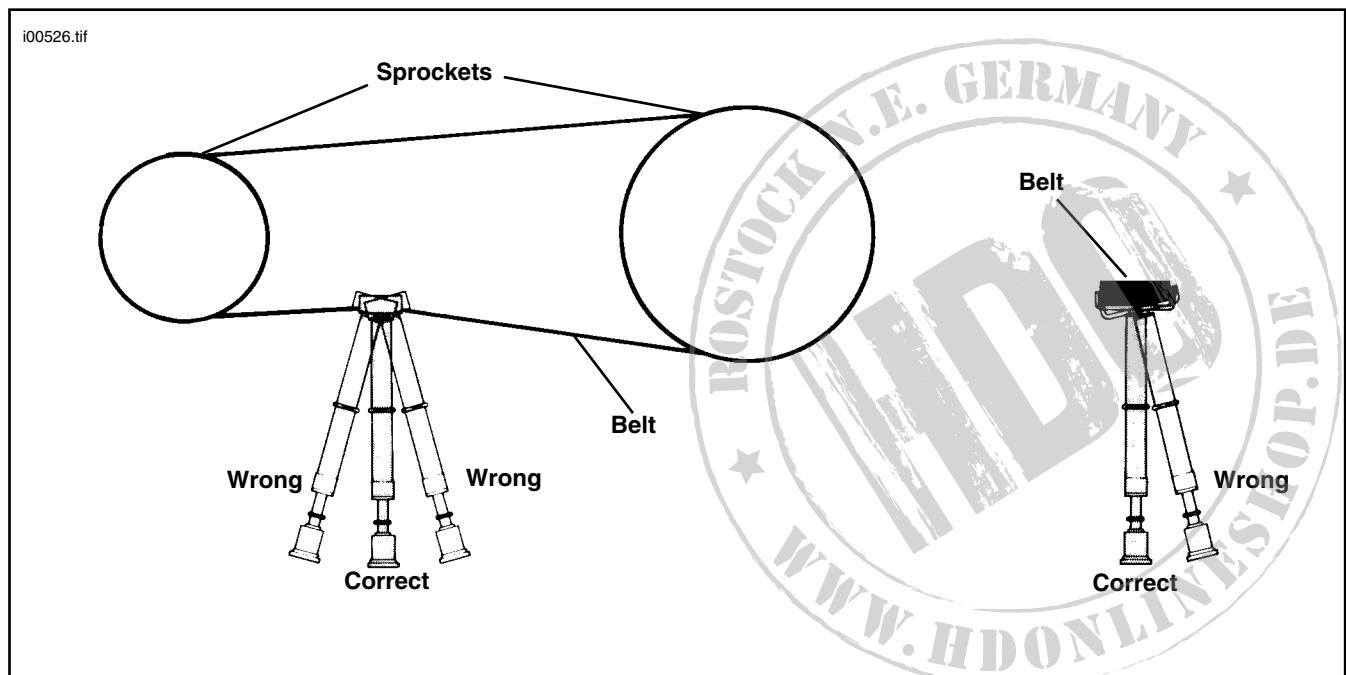


Figure 2. Tool Position

4. Push end of 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. See Figures 1 and 2. Note reading or mark location on debris deflector as described above in Step 3.

**⚠ CAUTION**

**Tool must be kept at 90° 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 vehicle positioned upright and one rider sitting on it.

*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 debris deflector 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.*

ALLOWABLE DEFLECTION	
<b>4 speeds</b>	<b>5 speeds</b>
<b>5/8 in. to 3/4 in.</b>	<b>3/8 in. to 5/16 in.</b>

5. If reading is outside allowable deflection limits (see chart), adjust rear wheel according to Owner's Manual procedure.

