

J&S Technical Information

Cambelt Tension Gauge – MOP370



Introduction

At first sight the tool appears to have two scales on it, one along the flattened surface of the plunger barrel reading 0 - 20 and one around the handle reading 0 - 9. The scale around the handle is actually to enable a more accurate reading to be obtained from the plunger barrel scale, as one complete turn of the handle moves it one mark along this other scale. Each segment on the handle scale represents 0.1 of a segment on the plunger barrel 0 - 20 scale, and should be read in a similar way to a micrometer scale. There is a channel immediately above the 0 - 20 scale on the plunger barrel which contains a slotted pin. This slotted pin moves in and out with the plunger.

To obtain a valid reading there are three things that must be in line -

1. The handle leading edge
2. The slotted pin
3. The value on the plunger barrel scale

This is achieved either by setting the handle to a specific reading on the 0 - 20 scale and tensioning the belt until the slotted pin lines up with the handle, or by fitting the tool to a belt which is already tight and winding the handle up until the front edge lines up with the slotted pin, the value of the belt tension is then read off the 0 - 20 scale.

To check a belt tension

Fit tool onto the belt and tighten the handle until its leading edge lines up with the slotted pin. Read the value from the 0 - 20 scale on the plunger barrel. Repeat the process in several places on the belt and average your readings.

To set a belt tension

Position the tool on the belt and wind the handle until it's leading edge is in line with the desired value on the 0 - 20 scale. Tighten the belt until the slotted pin is in line with the leading edge of the handle - which is already in line with the value. The belt is now at that tension value. Check the belt tension in several places and adjust as required.

If in any doubt about how to correctly tension a belt you must consult the vehicle manual. These instructions are for your guidance only.

