

TIMING BELT TENSION TESTER

1. INTRODUCTION & APPLICATIONS

1.1. INTRODUCTION

The VS009 Tension Tester provides a simple yet effective and accurate set-up based on the thickness of the belt. Straightforward application - no need for complicated tables, conversions or reference to engine manufacturer's specifications. VS009 enables the operator to quickly assess the correct timing belt tension for each individual application by using the special Belt Thickness Gauge supplied in the kit to select the appropriate Calibration Button for correct set-up of the Tester. The belt tension status is then clearly indicated by the position of the tester plunger.

1.2. APPLICATIONS

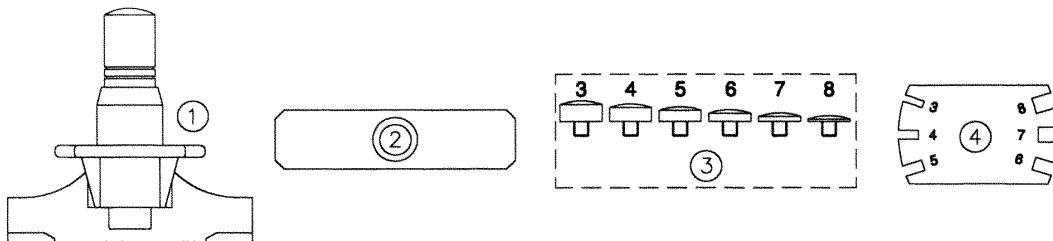
Universal - Toothed timing belts up to 30mm wide.

2. SAFETY INSTRUCTIONS

- ❑ **WARNING!** Ensure that Health and Safety, local authority, and general workshop practice regulations are adhered to when using tools.
- ✗ **DO NOT** use tools if damaged.
- ✓ Maintain tools in good and clean condition for best and safest performance.
- ✓ If the vehicle to be worked on is raised, ensure that it is adequately supported with axle stands or ramps and chocks.
- ✓ Ensure that the ignition key is removed, to prevent inadvertent engine cranking.
- ✓ Wear approved eye protection. A full range of personal safety equipment is available from your Sealey dealer.
- ✓ Wear suitable clothing to avoid snagging. Do not wear jewellery and tie back long hair.
- ✓ Account for all tools, locking bolts, pins and parts being used and do not leave them on or near the engine.
- * **IMPORTANT: Always refer** to the vehicle manufacturer's service instructions, or a proprietary manual, to establish the current procedure and data. These instructions are provided as a guide only.

3. CONTENT

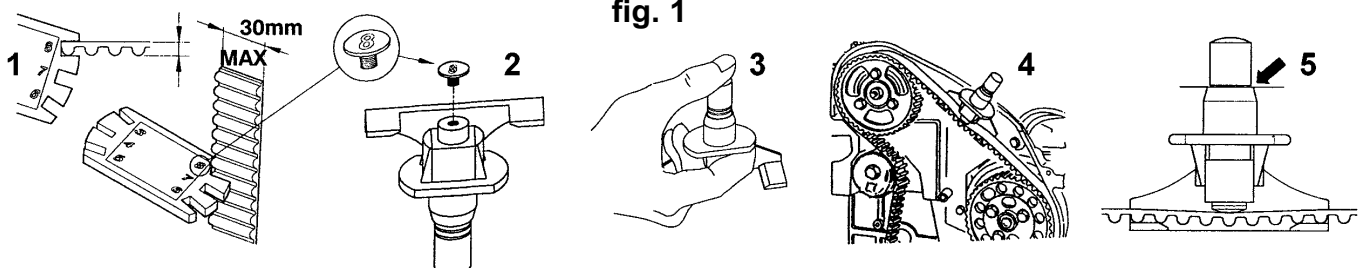
1. VS009/01 Tension Tester
2. VS009/C7 Test Plate
3. VS009/T6 Calibration Buttons (set of 6)
4. VS009/02 Belt Thickness Gauge
- VS009/84 Case + Insert



4. METHOD

Refer to fig. 1.

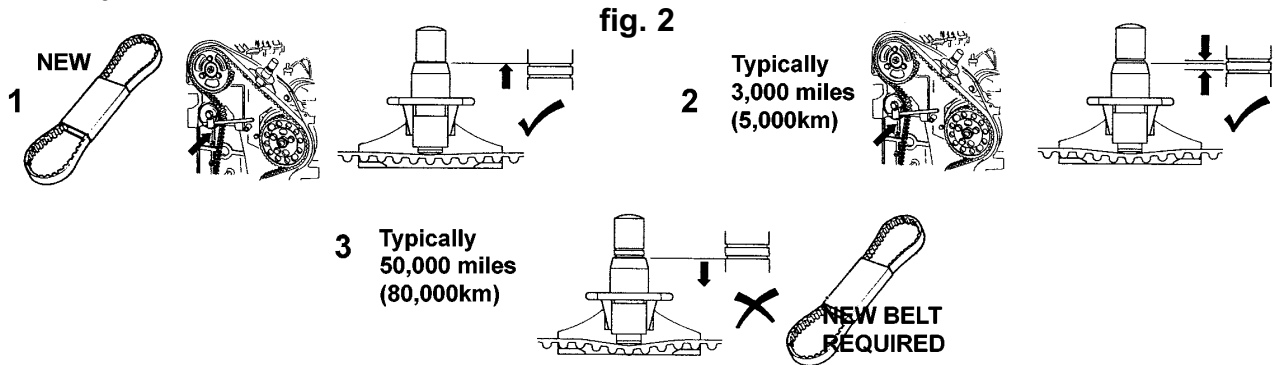
1. Determine belt thickness using the thickness gauge. The correct gauge slot for the belt is the narrowest (lowest number) that it will fit.
2. Screw the correspondingly numbered calibration button into the tester plunger.
3. Check that the tester plunger moves smoothly.
4. Fit the tester onto the belt in the position recommended by the engine manufacturer for tension checking. Note that the plunger goes to the plain side of the belt.
5. Note the position of the tester markings and refer to Section 5.



5. TENSION READINGS

Refer to fig. 2

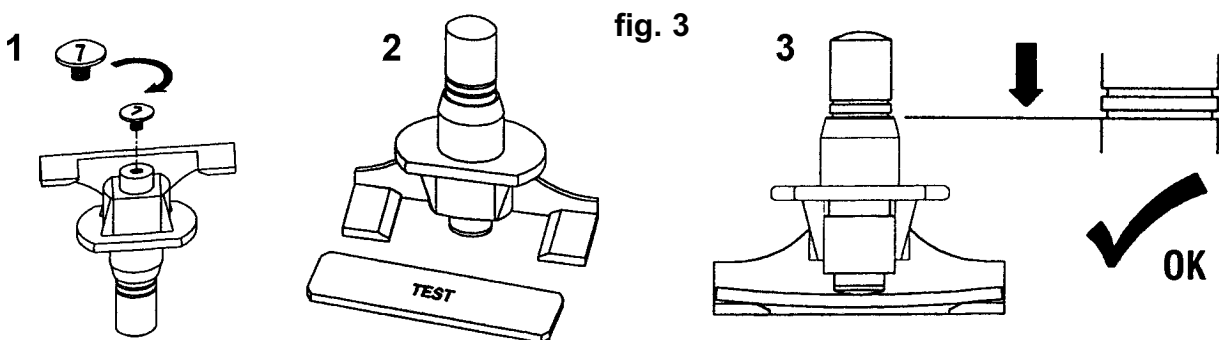
1. A new belt should be tensioned so that only the top edge of the upper groove is visible.
2. On an in-service belt the tester should show a reading between the upper and lower grooves.
3. When the reading is at, or below, the lower edge of the lower groove the belt should be replaced. Check the manufacturer's recommended belt change intervals.



6. GAUGE TEST

Regularly check that the tester is reading correctly, as follows (refer to fig. 3):

1. Fit the number 7 button to the plunger.
2. Apply the tester to the test plate, ensuring that the button sits in the central depression in the plate.
3. The tester reading should be to the bottom edge of the lower groove.



NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of the product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

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