Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by The Tool Connection Ltd. for incorrect use of any of our products, and the Tool Connection Ltd cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.

Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.

TOOL CONNECTION
The Complete Connection

Distributed by The Tool Connection Ltd

Kineton Road, Southam, Warwickshire CV47 0DR
T +44 (0) 1926 815000 F +44 (0) 1926 815888
info@toolconnection.co.uk www.toolconnection.co.uk

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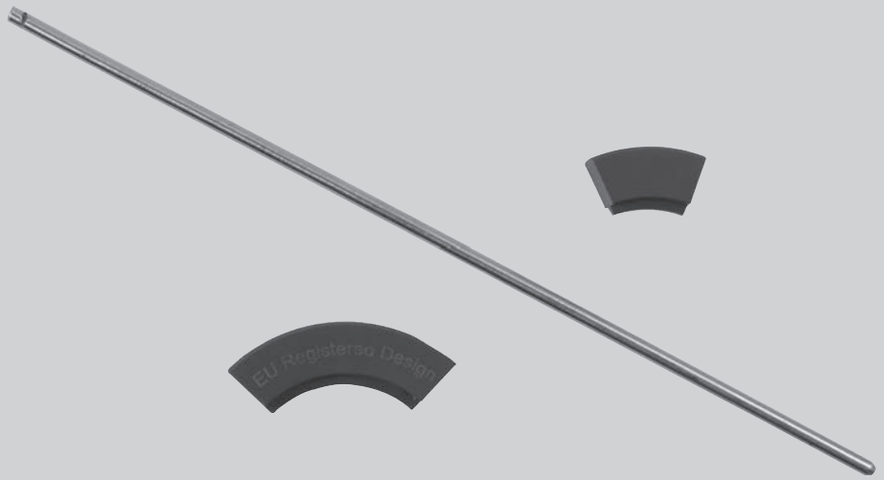
7644

LASER®

Multi V-Belt Pulley Alignment Tool



Multi V-belts are almost universally used on auxiliary drive systems on modern motor vehicles.

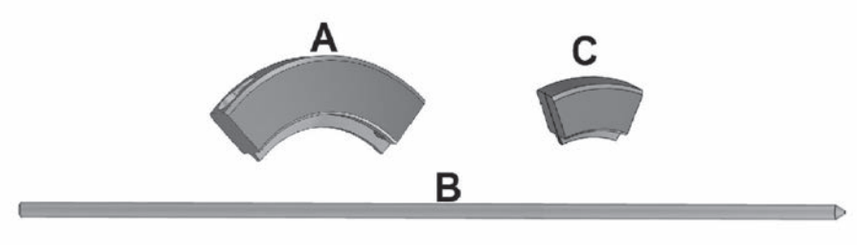
To ensure maximum belt life and avoid premature wear or belt derailment it is important to ensure that all the pulleys are correctly aligned.

The 7644 provides a quick and simple method of visually checking pulley alignment.

www.lasertools.co.uk

7644 Multi V-Belt Pulley Alignment Tool

- Designed to check the alignment of Multi-v pulleys prior to fitting a new belt.
- Manually adjustable silver steel alignment rod.
- Main segment equipped with attachment magnets.
- Target segment designed to be held in position by hand.
- Designed to help in the diagnosis of misaligned pulleys, failed idler, water pump, A/C pump and alternator bearings. Made in Sheffield. EU registered design.



Ref:	Description
A	Main Segment
B	Silver Steel Alignment Rod
C	Alignment Segment

The following instructions are for guidance only. Please refer to OEM derived data such as the vehicles manufactures own data or Autodata.
The use of this Alignment Tool is purely down to the user's discretion and The Tool Connection Ltd. cannot be held responsible for any damage caused what so ever.

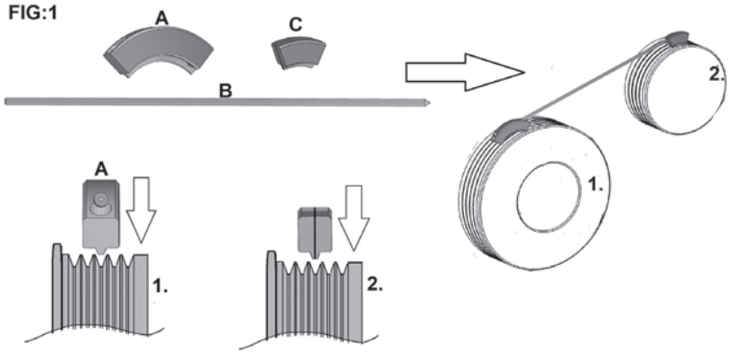
Instructions

Instructions for use:

Component A/B/C:

- Remove the Multi V-Belt.
- Assemble components A & B as shown in figure 1.

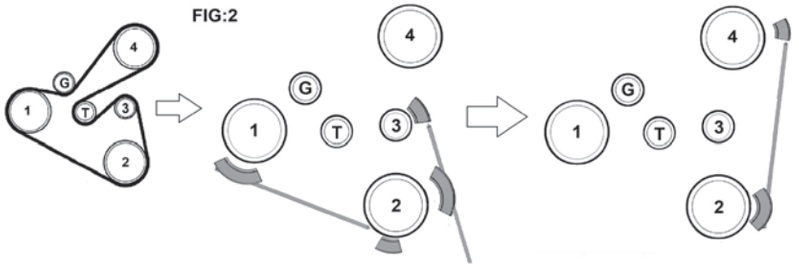
FIG:1



Instructions

- Starting with the crankshaft pulley (1, figure 2) check alignment to the next pulleys in the line (2, figure 2). Always work from the same V on each pulley. Example shown = Ford 1.0lt Ecoboost.
- Check pulley 2 to pulley 3 etc. Note: Guide and Tensioners (G & T) should be checked for visual alignment and bearing play/noise.

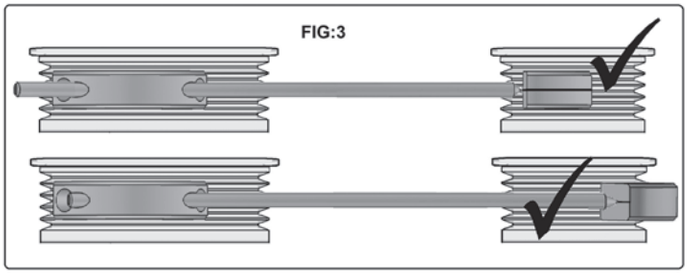
FIG:2



•Always check the pulleys in 2 positions as shown in figure 3 to check for angular misalignment.

Correct Alignment= Figure 3

FIG:3

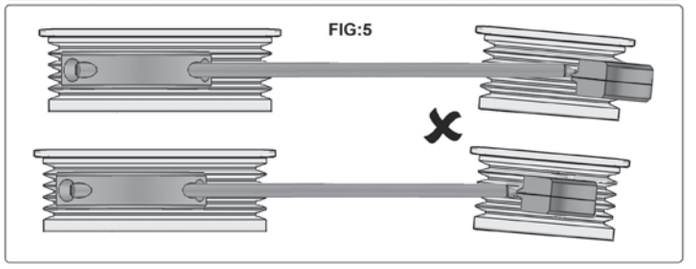


Parallel Alignment = Figure 4

Angular Misalignment = Figure 5
(Bent Pulley, Pulley Shaft or Shaft Mounting)

FIG:4

FIG:5



Misalignment due to bearing runout (Pulley wobble):
Check for any pulley wobble. Maximum run out should e less than 1/2 a rib (vee) in 150mm.