

## Precautions

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 for incorrect use of any of our products, and the Tool Connection 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.

24 March 2017 10:17 AM



**Safety First. Be Protected.**

## 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.



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6965

# LASER<sup>®</sup>

## Timing Chain Wear Kit VAG 1.4 Petrol

### Instructions



### Timing Chain Wear Kit VAG 1.4 Twin Cam Petrol

Developed as an equivalent to VAG OEM tool T10550/1/2/3. This tool checks the amount of wear in the timing chain of the listed vehicles with minimal strip down of the engine.

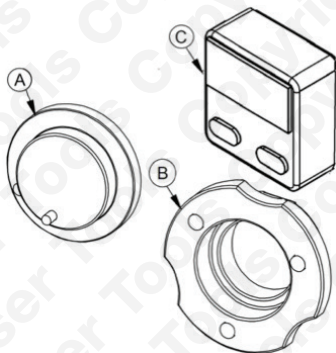
If the angle reading shown exceeds that of the manufacturer's angular measurement then the camshaft drive chain and associated components must be replaced.

A digital inclinometer is included which makes it easier and faster to use than the OEM equipment.

The information given below is for reference only. The Tool Connection Ltd recommends the use of Manufacturer data or Autodata and cannot be held responsible for damage to engine or personnel whilst using this tool kit.

Equivalent to OEM tool numbers T10550/1, T10550/2 and T10550/3

Note: due to the innovative design of the Laser 6965 and its use of a digital inclinometer there is no need for an equivalent tool to the T10550/2

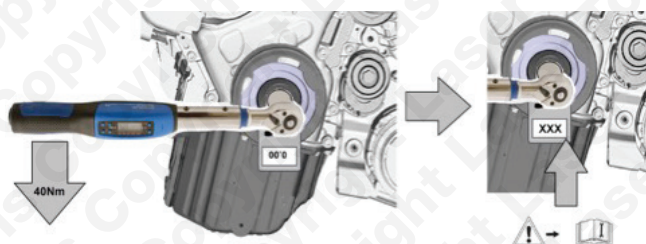


| Item | Component Code | Description                   | OEM No.    |
|------|----------------|-------------------------------|------------|
| A    | C817           | Exhaust Camshaft Holding Disc | T10550/1   |
| B    | C816           | Inclinometer Mounting Boss    | T10550/3   |
| C    | C784           | Digital Inclinometer          | T10550/2/3 |

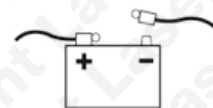
### Timing Chain Wear Kit VAG 1.4 Twin Cam Petrol



## Instruction for Measurement



If the chain has stretched more than the manufacturers recommended limit the chain must be replaced. For this use Laser kit 5742



| Make     | Year         | Model          | Engine Codes |
|----------|--------------|----------------|--------------|
| Passat   | 2009 to 2015 | TSI            | 1.4          |
| Polo     | 2010 to 2014 | TSI BlueMotion | CAXA         |
| Scirocco | 2008 to 2016 | TSI EcoFuel    | CTHD         |
| Sharan   | 2010 to 2015 | TSI FlexFuel   | CDGA         |
| Tiguan   | 2009 to 2016 | GTi            | CKMA         |
| Touran   | 2008 to 2015 |                | CAVB         |
| Beetle   | 2011 to 2017 |                | CAVE         |
| CC       | 2011 to 2015 |                | CTHE         |
| Eos      | 2008 to 2015 |                | CAVC         |
| Golf     | 2007 to 2016 |                | CMSB         |
| Jetta    | 2011 to 2017 |                | CAVA         |
|          |              |                | CTHA         |
|          |              |                | CAVD         |
|          |              |                | CTHB         |
|          |              |                | CTHC         |
|          |              |                | CTKA         |

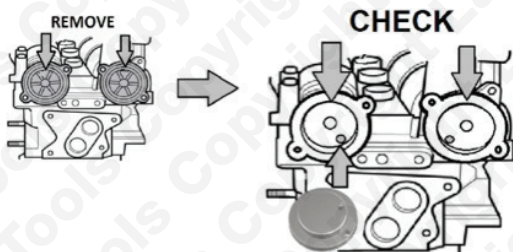
## Instructions

### Instructions for use:

Always refer to manufacturer specific data and instructions  
Gaining access to the front of the engine requires removal of the right hand front wheel and inner wheel arch and pipe work.

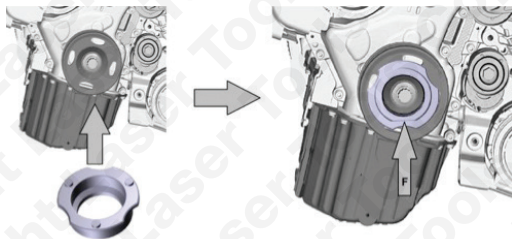
### Component A: Exhaust Camshaft Holding Disc

Remove the cover plates from both camshafts and check the holes in the camshafts are positioned as shown and fit component A as shown.



### Component B - Inclinometer Mounting Boss

Fit with the magnets facing the front crankshaft pulley and attach (B) with the flat (F) facing down as shown.



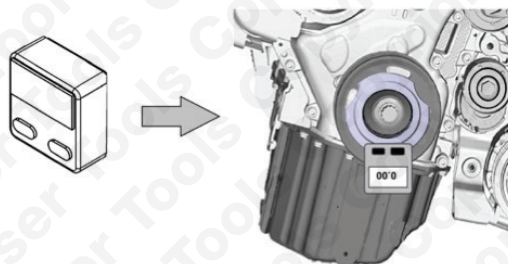
## Instruction for Measurement

### Component C/Inclinometer

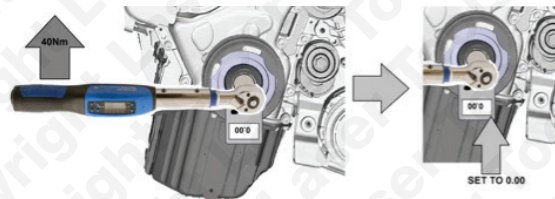
Used to digitally check the number of degrees the crankshaft can be turned with the exhaust cam shaft locked. This figure indicates the amount the chain has stretched.

Using the magnets in the base of (C) attach it to the flat on the mounting boss as shown.

NOTE: C will be upside down but will still be easy to read.



Using a suitable Bi-directional Torque wrench set to 40Nm and socket turn the crankshaft in a clockwise direction till the wrench clicks. Switch on the inclinometer and zero it.



Now set the torque wrench to work in a left hand direction and set it to 40Nm, turn the crank in an anti-clockwise direction until the torque wrench clicks. Read the angle from the Inclinometer. This is the angle of stretch which must be compared to the manufacturer's tolerance.