

# LASER<sup>®</sup>

## Gasket Alignment Pins VAG

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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.



**Application:**  
For VAG engines that do not use dowel pins to align the gasket

- These pins allow the mechanic to place the gasket on the block accurately.
- Equivalent to OEM 3450 (3450/1, 3450/2, 3450/2A, 3450/3)  
Beetle 2.0L 1999-2004 (3450/2)

7333\_Instructions\_V1

### 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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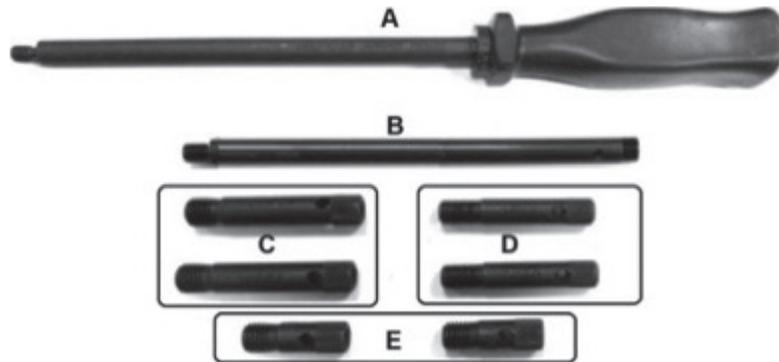
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## 7333 - Gasket Alignment Pins - VAG

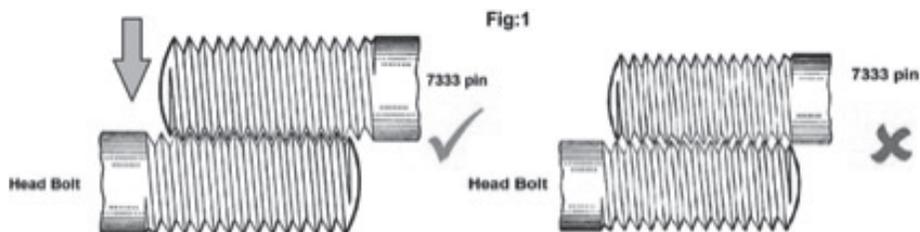
Many VAG engines are not fitted with dowel tubes or pins between the cylinder head and block. This means that when replacing a head gasket the gasket can be misaligned and damaged while fitting the cylinder head and head bolts. 7333 is designed to assist in the alignment of the gasket during the fitting process and ensure the gasket stays correctly aligned.

Item	OEM No.	Description
A	3450	Pin extraction tool (M6 x1.0mm L/H thread)
B	3450/3	Pin extraction tool (no handle, M6 x1.0mm L/H thread)
C	3450/2	2 x Long pins M10 x 1.5mm
D	3450/2A	2 x Long Pins M9 x 1.25mm
E	3450/1	2 x Short Pins M10 x 1.5



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 Head Gasket Alignment is purely down to the user's discretion and Tool Connection Ltd. cannot be held responsible for any damage caused what so ever.

NOTE: Before use check the pin thread pitch and diameter are identical to the thread used on the cylinder head bolts as shown in Fig:1.



## Instructions for use

Component (A) and (B) have a M6 left hand thread at one end which fits into the top of the alignment pins.

After fitting the cylinder head and hand tightening at least 2 head bolts use component (A) (where access permits) or (B) where access is restricted to extract the alignment pins.

