

ART NO. 829118



Fuel Pump Drive Belt Kit

VAG TDI 2.7 | 3.0R



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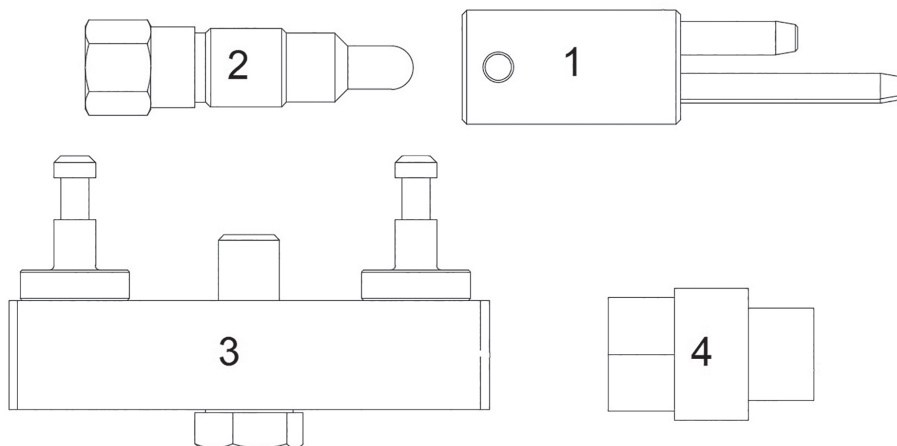
Description

829118 has been developed specifically for the VAG 2.7L and 3.0L TDI diesel engines from 2007 that are equipped with a belt driven high pressure diesel pump.

The kit contains all the components to allow the removal and replacement of the pump belt while maintaining the pump and engine timing.

Component equivalent to OEM tools – T40135, 3242, T10320, T40058.

Plan Layout



| Ref | Code | OEM | Description |
|-----|---------|-------------|---------------------------------|
| 1 | 4880364 | T40135 | High Pressure Pump Locking Tool |
| 2 | 4880407 | 3242/T40237 | Crankshaft Locking pin |
| 3 | 4880365 | T10320 | Camshaft Sprocket Puller |
| 4 | 4880156 | T40058 | Crankshaft Turning Tool |



The following instructions are for guidance only. Please refer to OEM derived data such as the vehicle manufacturers' own data or Autodata.

The use of these engine timing tools is purely down to the user's discretion and Sonic Equipment cannot be held responsible for any damage caused what so ever.

Applications

| Make | Model | Year | Type |
|------------|------------|-----------|---|
| Audi | Q5 | 2008-2012 | TDI CR TDI TDI CR Clean Diesel TDI CR BlueMotion |
| | A5 Coupe | 2007-2012 | |
| | A4 | 2007-2012 | |
| | Q7 | 2007-2012 | |
| | A6 Quattro | 2008-2011 | |
| Porsche | Cayenne | 2008-2016 | |
| Volkswagen | Phaeton | 2007-2015 | |

| Engine Size | Engine Code |
|-------------|---|
| 2.7 | CAMA, CAMB, CANA, CGKA, CGKB, CANC, CAND, CANB |
| 3.0 | CCWA, CASA, CASB, CDYC, CDYA, CCWB, CCMA, CCLA, CDYB, M05/9D (CAS), M05/9E, CAS, CARA, CEXA, CATA, CASC, CASD, CEXB |

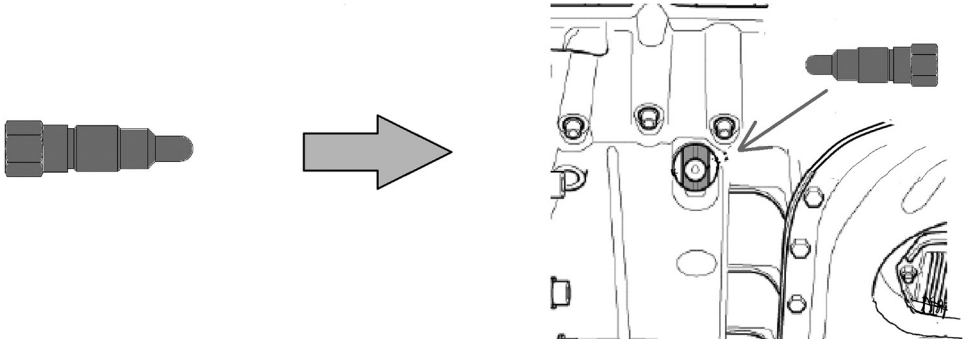
Instructions

Crankshaft Turning Tool - 4

Align the engine and pump timing marks by turning the crankshaft in a clockwise direction using **Component 4** on the front pulley.

Crankshaft Locking Pin - 2

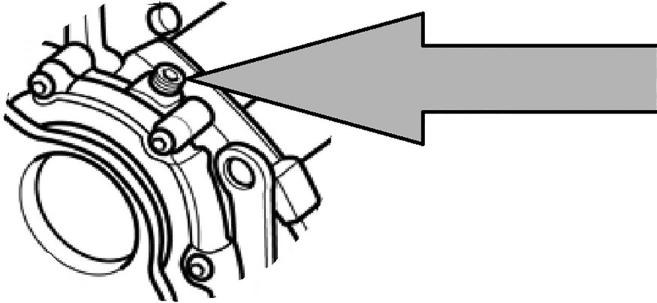
Lock the engine at TDC using **Component 2**. Remove the blanking plug from the sump and fit **Component 2** as shown.



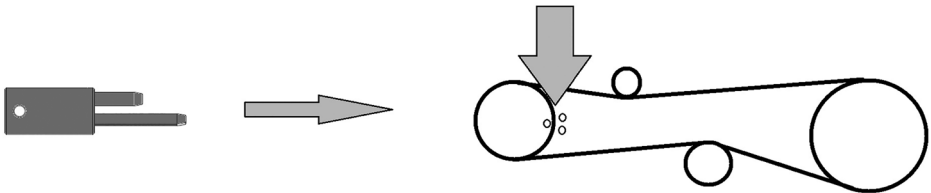
Instructions

High Pressure Pump Locking Tool – 1

Visually check the camshaft timing marks are aligned, if not reset the crankshaft by turning the crankshaft 360 degrees. The slot in the camshaft should align with inspection hole as shown.



Lock the fuel pump pulley in its timed position with the pump timing marks aligned using **Component 1** as shown.

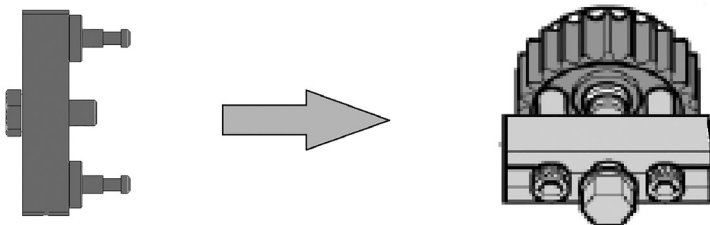


Camshaft Sprocket Puller – 3

Before fitting the new belt the camshaft pulley must be loosened. While holding the camshaft pulley with a suitable pulley holding tool loosen the camshaft pulley bolt 3 turns.

Using the pulley puller **C** pull the pulley so that it is free to rotate on the camshaft.

Fit and tension new belt according to manufacturer instructions.



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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.