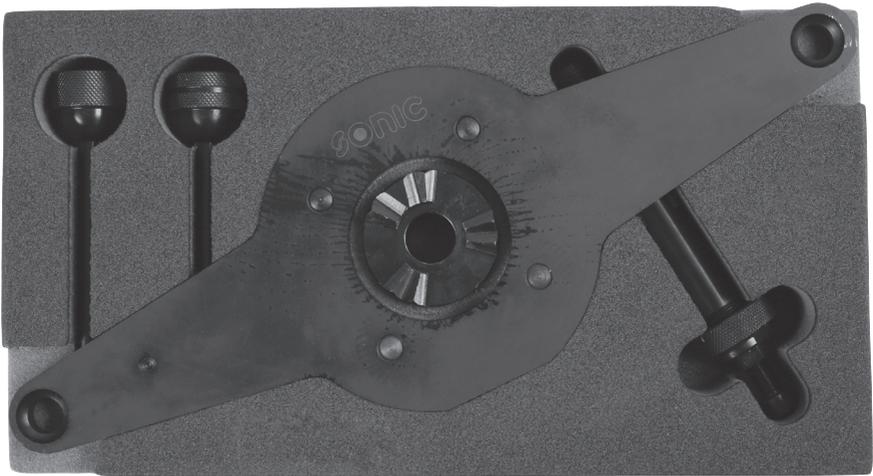


ART NO. 829122



## Vibration Damper Holding Tool

1.8 | 2.0 TFSi | TSi VAG



[WWW.SONIC-EQUIPMENT.COM](http://WWW.SONIC-EQUIPMENT.COM)

## Description

A comprehensive kit used for dismantling and assembling the vibration damper on the applications listed. The vibration damper fitted to the VAG 1.8 | 2.0 TFSi | TSi engines is held in place by a single central bolt. The pulley clamps the crankshaft timing chain sprocket against the end of the crankshaft, there is no traditional key way and the sprocket is not supported by the crankshaft. If the pulley bolt is removed without using the 829122 the crankshaft chain sprocket can easily separate from the crankshaft causing the timing position to be lost.

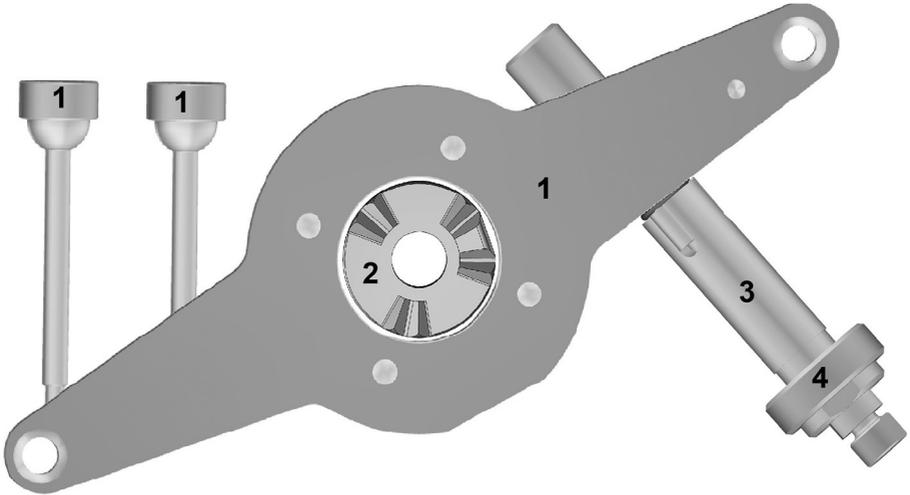
The 829122 is an essential kit required to maintain the engine timing when removing the front vibration damper and should be used whenever the vibration damper is removed for instance when replacing the front crankshaft oil seal.

N.B. for replacement of the camshaft drive chain additional tooling will be required – see Sonic Equipment 829066 Engine Timing Kit.

The 829122 can also be used on earlier engines as the VW tool T10531 replaces the older tool T10368.

- Engines covered include: 1.8 | 2.0 TFSi | TSi petrol engines from 2007 onwards
- Equivalent to OEM tools: T10531/1, T10531/2, T10531/3, T10531/4

## Plan Layout



Ref	Code	OEM	Description
1	4880382	T10531/1	Vibration Damper Holding Tool
2	4880383	T10531/3	Crankshaft Sprocket Holding Tool Adapter
3	4880383	T10531/2	Crankshaft Sprocket Holding Tool
4		T10531/4	Crankshaft Sprocket Holding Tool Nut

# Applications

Make	Model	Year	Type
Seat	Altea	2006-2015	TFSI FlexFuel Hybrid TFSI FSI TFSI MPI S TSI Freetrack TSI TFSI FR Cupra vRS RS TFSI 300 GSR GTI FSI TFSI Ultra TSI FR X-PERIENCE GTi
	Exeo	2010-2013	
	Ibiza	2015-2017	
	Leon	2007-2017	
	Toledo	2007-2017	
Skoda	Octavia	2007-2017	
	Superb	2008-2017	
	Yeti	2009-2015	
Audi	A1	2015-2017	
	A3	2007-2017	
	A4	2007-2017	
	A5	2007-2017	
	A6	2012-2017	
	A7	2014-2017	
	A8	2012-2014	
	Q3	2011-2017	
	Q5	2008-2017	
	TT	2008-2017	
	Q7	2015-2017	
	S1	2014-2017	
S3	2013-2017		
Volkswagen	Passat	2007-2017	
	Scirocco	2008-2017	
	Sharan	2011-2017	
	Tiguan	2007-2016	
	Transporter T5	2011-2015	
	Transporter T6	2015-2017	
	Amarok	2010-2016	
	Beetle	2013-2017	
	CC	2012-2015	
	Eos	2008-2015	
	Polo	2014-2017	
	Touran	2015-2017	
	Golf	2007-2017	

# Applications

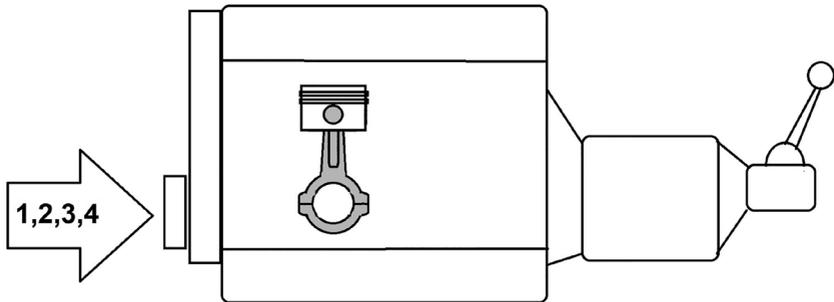
Engine Size	Engine Code
1.8	BZB, CDAA, BPU, BYT, CABA, CABB, CDHA, CDHB, CABD, DAJB, CJSA, CJSB, CJEB, CJEE, CJED, CYGA, DAJA, CDAB, CJSC, CGYA
2.0	CAWB, CCZA, CBFA, CCTA, CDNB, CDNC, CFKA, CHJA, CCZC, CPSA, CESA, CETA, CNCD, CYRB, CYRC, CNCE, CYNB, CYPB, CULB, CULC, CNCB, CWZA, CJXF, CJXC, CJXB, CJXG, CHHC, CCZB, CDND, CJXA, CJXE, CJXH, CHHB, CHHA, CULA, DEDA, CAWA, CCZD, CJKA, CJKB, CFPA, CPLA



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 cannot be held responsible for any damage caused what so ever.

## Instructions



### Preparation:

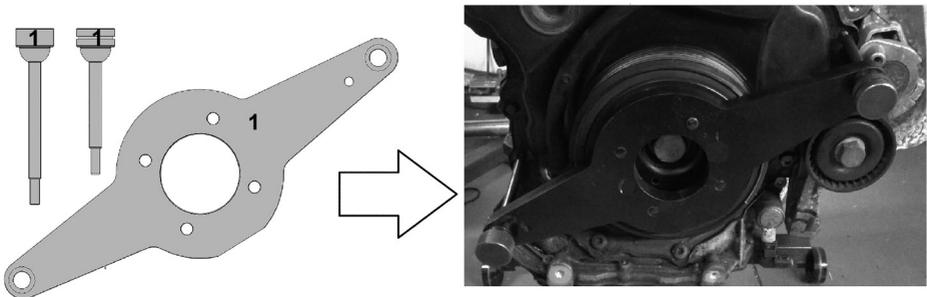
- Turn the engine to TDC on number one cylinder
- Holding the crankshaft pulley with a suitable holding tool loosen the vibration damper fixing bolt by 180° (1/2 a turn).
- Remove the 2 engine front cover fixing bolts as identified in the instructions for component **1**. VAG OEM instructions require these bolts to be replaced with new bolts.

**WARNING: do not remove the bolt without putting component 1 in place as described below.**

### Component 1 = Vibration Damper Holding Tool

After loosening the crankshaft vibration damper fixing bolt by 180° fit component **1** over the vibration damper as shown and tighten the 2 fixing screws evenly so the holding tool sits squarely on the pulley. Tighten fixing bolts hand tight. Once component **1** is fitted the damper fixing bolt can be removed.

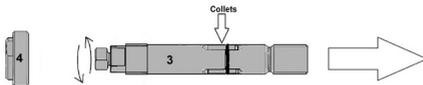
N.B. the fixing screws for **1** are designed to screw into the angled front face of the engine.



## Instructions

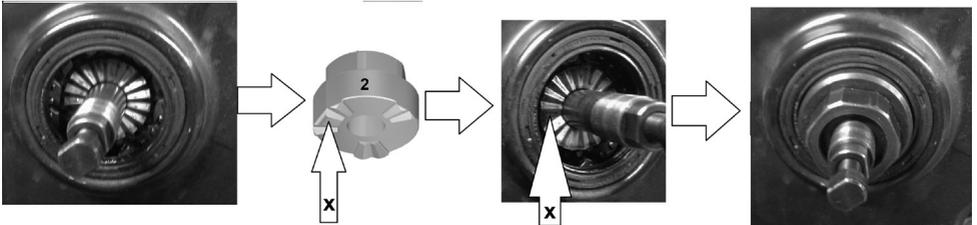
### Component 3 = Crankshaft Sprocket Holding Tool

Loosen off the end bolt of component **3** so the split collet components are full retracted and insert the assembly into the end of the crankshaft and screw it in as far as it will go. Turn the end bolt clockwise so that the split collet components of **3** expand and grip the crankshaft sprocket inside the engine. Now component **1** can be removed with the vibration damper.



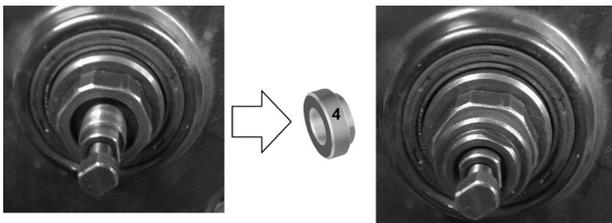
### Components 2 = Crankshaft Sprocket Holding Tool Adapter

Fit component **2** as shown, ensure the larger tooth on component **2** corresponds with the larger tooth on the crankshaft sprocket as shown by **X**.



### Component 4 = Crankshaft Sprocket Holding Tool Nut

Fit the holding tool nut (**4**) and tighten. If required the crankshaft is now safe to turn by turning the larger Hex of **3**. Only turn the engine over with the spark plugs removed.



### Fitting of Vibration Damper:

The fitting of the vibration damper is the reverse of the above process.

**WARNING:** it is very important not to remove component **3** until component **1** has been re-installed.

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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.

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