

## Applications

Make	Model	Year	Type
Volvo	S40 / S40	1999-2004	
	C30	2006-2013	
	S40	1996-2012	
	S80	1998-2011	
	V40	1996-2004	
	V50	2006-2012	
	V70	1997-2011	
	S70	1997-1999	
	B50	1996-1997	Bi-Fuel
	C70	1997-2005	20V / R Turbo
	S60	2000-2009	Bi-Fuel CNG
	S70	1997-2000	Bi-Fuel LPG
	B50	1996-1997	
	C70	1997-2005	
	S60	2000-2004	
	S70	1998-2000	
	S80	1999-2004	
	XC70	2002-2006	
	Cross Country	2000-2003	
	S60	2000-2009	

## Engine Code

1.6	B4164S2
1.8	B4184S2, B4184S3, B4184S9, B4184S10
1.9	B4194T, B4194T2
2.0	B4204S3, B4204S, B4204S2, B4204T, B4204T2, B4204T3, B4204T5, B5202FS, B5204T2, B5204T3, B5204T4, B5204T5
2.3	B5234T4, B5234T3, B5234T9, B5234T7, B5234FS, B5234T8
2.4	B5244S, B5244T, B5244T7, B5244T3, B5244S2, B5244S6, B5244S62, B5244T4, B5244T5

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by Sonic for incorrect use of any of our products, and Sonic 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.

# SONIC

equipment

## Instructions

## Engine Timing Kit

### Renault, Volvo Petrol Twin Cam 16V/20V - 2.0, 2.4



## 829082 - Engine Timing Kit

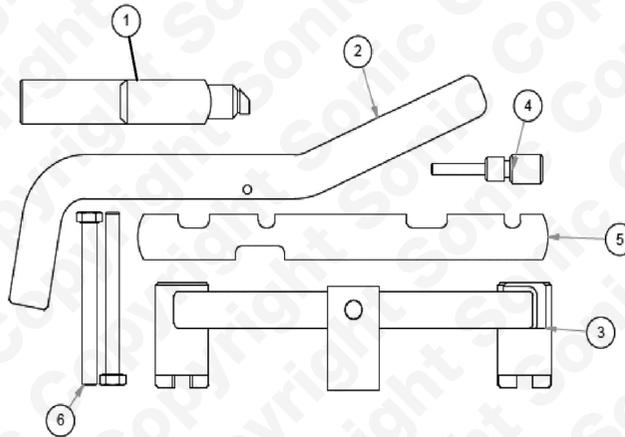
### Description:

The 829082 kit provides all the essential engine timing tools to set and lock the engine components of the popular Renault/Volvo 2.0lt and 2.5lt petrol engines to allow camshaft belt replacement. Also offers coverage for the 1.6, 1.8, 1.9 and 2.3 derivatives. See attached applications.

- Additional recommended tooling – Sonic recommends the use of Sonic 829089 crankshaft pulley holding tool when tightening or loosening the crankshaft pulley fixing bolt.

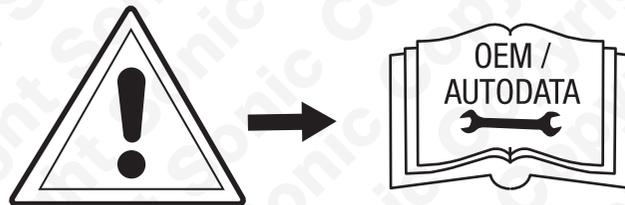
## Components

Ref	Comp	OEM	Description
1	4880101	MOT 1340, 999 5451	Timing Pin
2	4880105	MOT 1348	Tensioning Lever
3	4880107	MOT 1337, 999 5452	Camshaft Setting Tool
4	4880051	303-507, 999 7152	Crankshaft Locking Pin
5	4880050	303-376B	Camshaft Alignment Strap
6			Hex-Head Bolt for 3

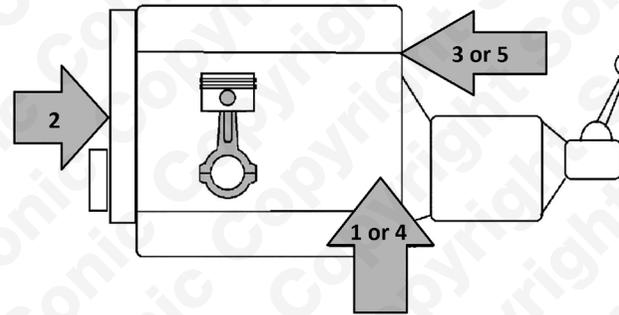


## Instructions

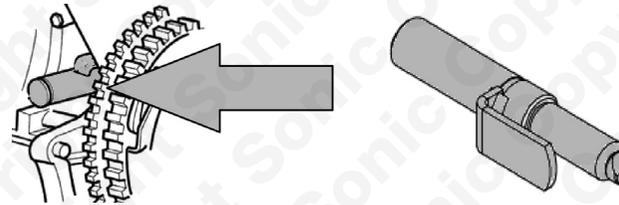
The following instructions are for guidance only. Please refer to OEM derived data such as the vehicles manufactures own data or Autodata. The use of these engine timing tools is purely down to the user's discretion and Sonic cannot be held responsible for any damage caused what so ever.



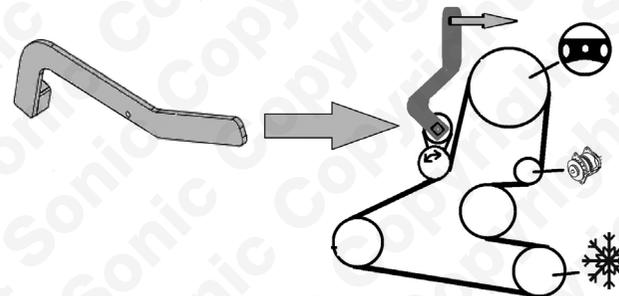
## Instructions



Component 1 - Crankshaft Timing Pin.  
Used to lock the crankshaft at TDC on the 2.0lt engines

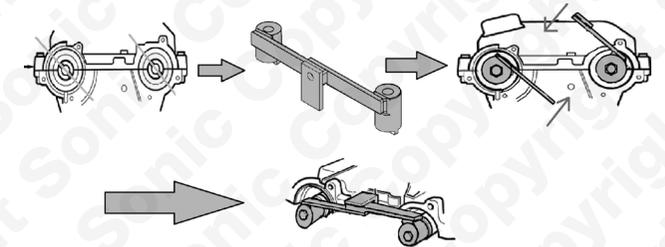


Component 2 - Tensioning Lever  
Used to back off the auxiliary belt tensioner.

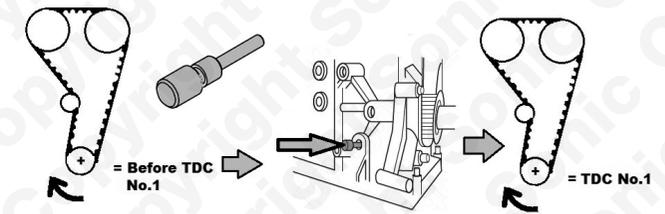


### Component 3 & 6 - Camshaft Setting Tool + Bolts

Used to set the camshafts independently of the camshaft pulleys. Turn engine to just before TDC, fit 3 and 6, turn engine till camshaft tools align.



### Component 4 - Crankshaft Locking Pin



### Component 5 - Camshaft Alignment Strap

