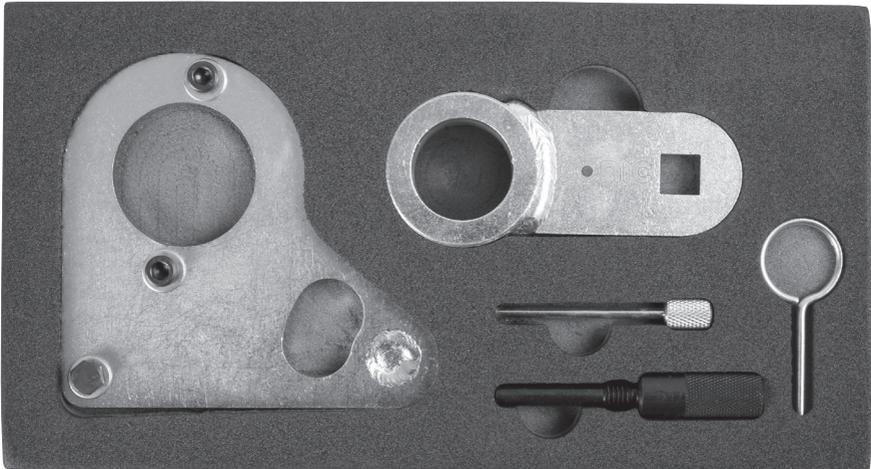


ART NO. 829134



## Diesel Timing Kit

1.6 R9M Renault | Nissan | Vauxhall  
(Chain Drive)



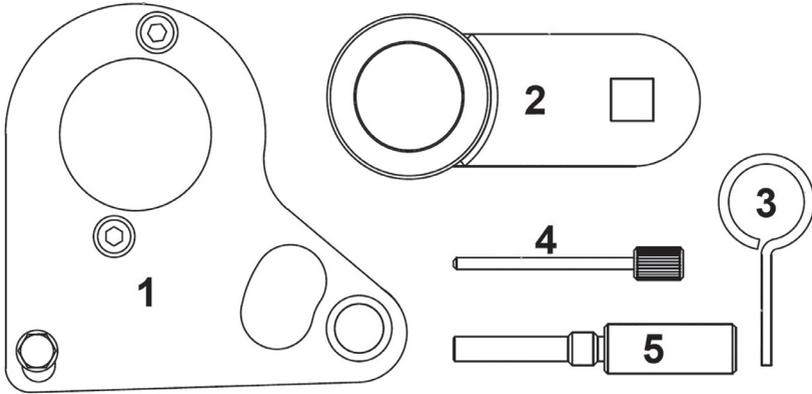
[WWW.SONIC-EQUIPMENT.COM](http://WWW.SONIC-EQUIPMENT.COM)

## Description

829134 has been developed specifically for the 1.6 R9M diesel engines fitted across the Renault, Nissan, Vauxhall/Opel and Mercedes-Benz ranges as listed. The 829134 contains all the essential tools required to lock the engine in its "timed" position for safe removal and replacement of the camshaft drive chain.

- Applications: Renault, Nissan, Mercedes-Benz R9M 1.6 engines (Mercedes-Benz 626.952 and 622.951)
- Engine found in: Mercedes-Benz C Class, Vito, Renault Megane III, Scenic III, Trafic, Espace V, Nissan Qashqai, X-Trail and Vauxhall Vivaro-B
- Equivalent to OEM tool codes: MOT 1969 (626 589 04 40 00), MOT 1970 (626 589 00 15 00), MOT 1770 (626 589 02 40 00)
- Renault from 2012 on, Mercedes-Benz from 2014

# Plan Layout



Ref	Code	OEM	Description
1	4880359	626 589 04 40 00, MOT 1969	Camshaft Alignment Tool 1.6 R9M Engines
2	4880118	626 589 02 40 00, MOT 1770, KM 959-1, EN-48334	Crankshaft Pulley Holding Tool
3	4880201		Chain Tensioner Pin
4	4880121	KM 6130	Auxilliary Belt Tensioner Pin
5	4880293	626 589 00 15 00, MOT 1970	Crankshaft Locking Pin



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
Mercedes-Benz	C-Class	2014-2016	C180 BlueTEC
	Vito	2014-2016	C200 BlueTEC
Vauxhall/Opel	Vivaro-B	2014-2016	CDTi CDTi BiTurbo
Renault	Scenic/Grand Scenic III	2011-2016	XMOD dCi dCi
	Megane III	2012-2015	
	Trafic III	2014-2016	
	Espace V	2015-2016	
Nissan	Qashqai/Qashqai+2	2011-2016	
	X-Trail	2014-2016	

Engine Size	Engine Code
<b>1.6</b>	626.951 (R9M), 622.951, 626.951, LWX/R9M 408, LWZ/R9M 408, LWU/R9M 450, LWY/R9M 450, R9M, R9M 410, R9M 402, R9M 404, R9M 408, R9M 450, R9M 409, R9M 452, R9M 413

## Instructions

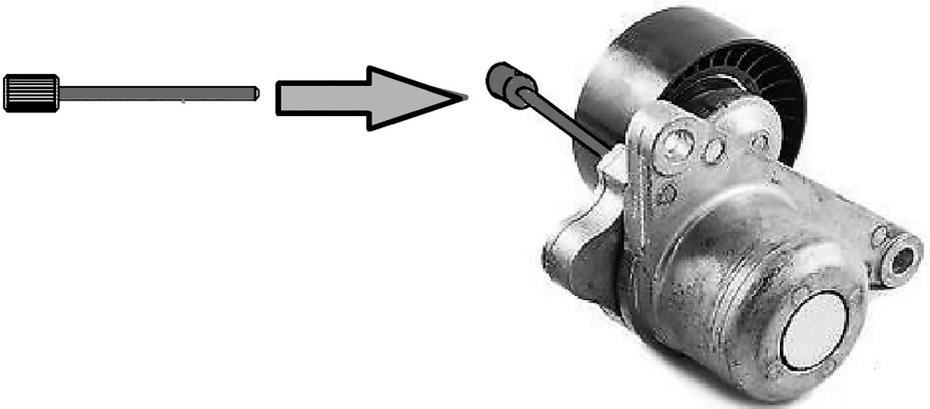
### Crankshaft Pulley Holding Tool (2)

Used with a suitable 1/2" D ratchet or bar to hold the crank pulley still whilst loosening or tightening the pulley fixing.

### Auxiliary Belt Tensioner Pin (4)

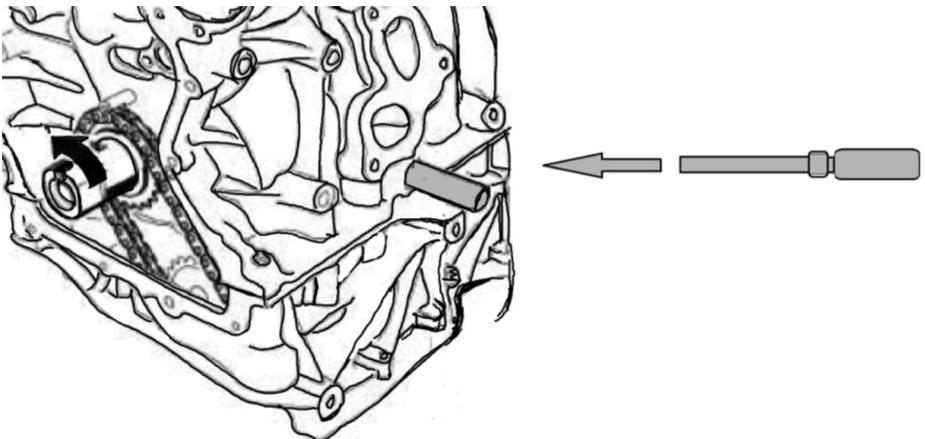
Use pin (4) to lock the auxiliary belt tensioner in its retracted position.

N.B. There are several designs of tensioner used dependent on the manufacturer, image shown for illustration purposes only.



### Crankshaft Locking Pin (5)

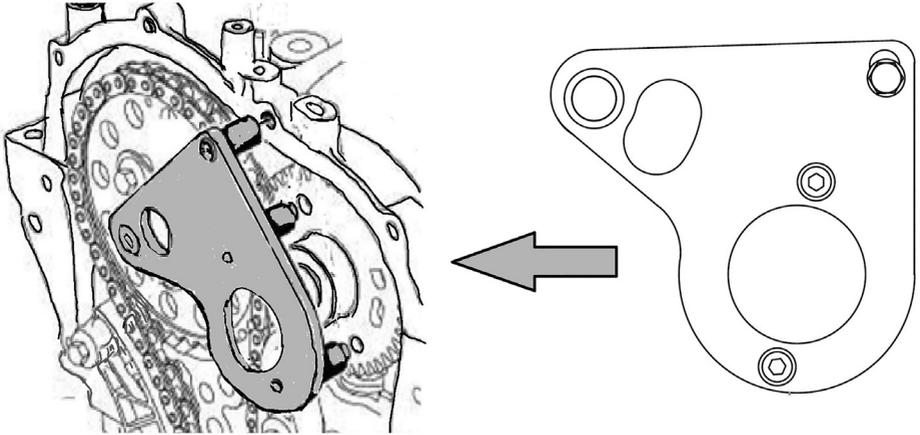
Use pin (5) to align the crankshaft.



## Instructions

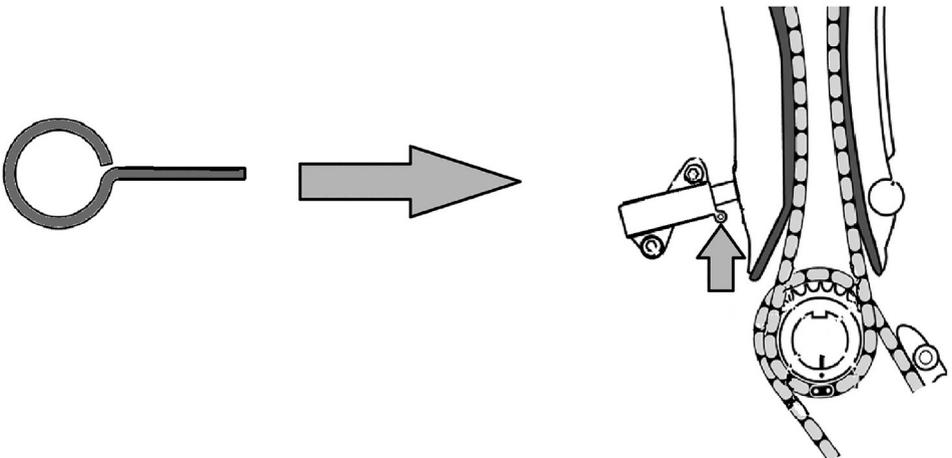
### Camshaft Alignment Tool (1)

Use components (1) for the 1.6L R9M engines. Use to align the camshafts.



### Chain Tensioner Pin (3)

Used to lock the cam chain tensioner in its retracted position.





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 Equipment for incorrect use of any of our products, and Sonic Equipment 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.