

## Applications

Make	Model	Year
Chrysler	Grand Voyager	2008-2014
Jeep	Cherokee	2008-2013
	Wrangler	2007-2014
Dodge	Nitro	2007-2011

## Engine Code

2.8	VM64C, ENS, ENS (51C), ENS VM10D, ENS VM11D, 49C, 50C
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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 Chrysler/Jeep Diesel CRD - 2.8



## 829084 - Engine Timing Kit

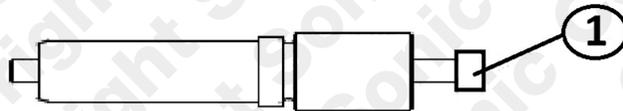
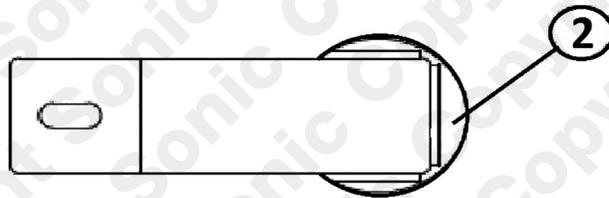
### Description:

The 829084 kit has been developed specifically for the 2008 and later 2.8 CRD Chrysler/Jeep engines where the cam belt drives one camshaft and the second camshaft is driven via gears.

The 829084 kit is a 2 piece kit consisting of the components required to lock the crankshaft and Camshafts in their timed position to allow the removal and replacement of the cam belt and associated components.

## Components

Ref	Comp	OEM	Description
1	4880284	VM.9992	Crankshaft Locking Pin
2	4880285	VM.9991	Camshaft Locking tool

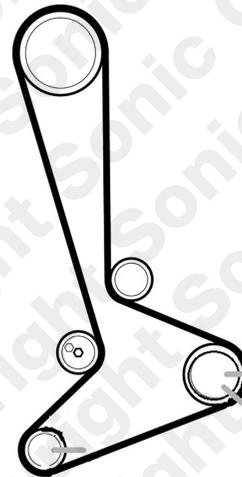


## Instructions

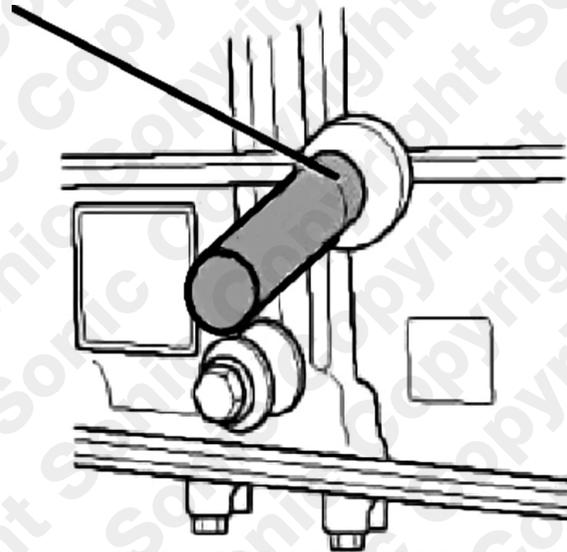
The following instructions are for guidance only. Please refer to OEM derived data such as the vehicles manufactures own data or Autodata. The use of these engine timing tools is purely down to the user's discretion and Sonic cannot be held responsible for any damage caused what so ever.



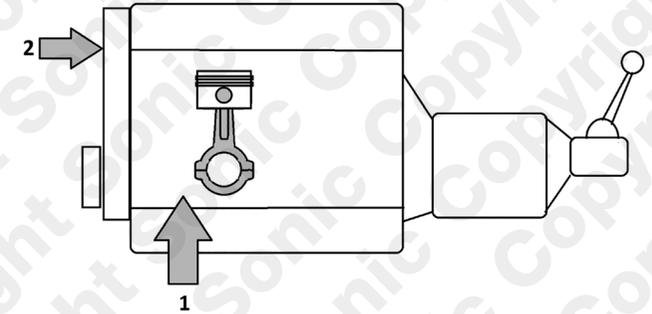
NOTE: Align crankshaft as shown below at 90 degrees ATDC (After Top Dead Centre)



1

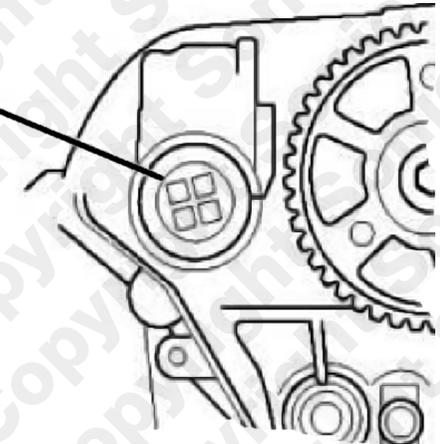


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Note: Remove Exhaust Camshaft Oil seal.  
WARNING Take care not to damage or move the camshaft sensor disc. mark the position of the disc relative to the cylinder head.

Remove Seal



Fit Camshaft timing tool (2)

