

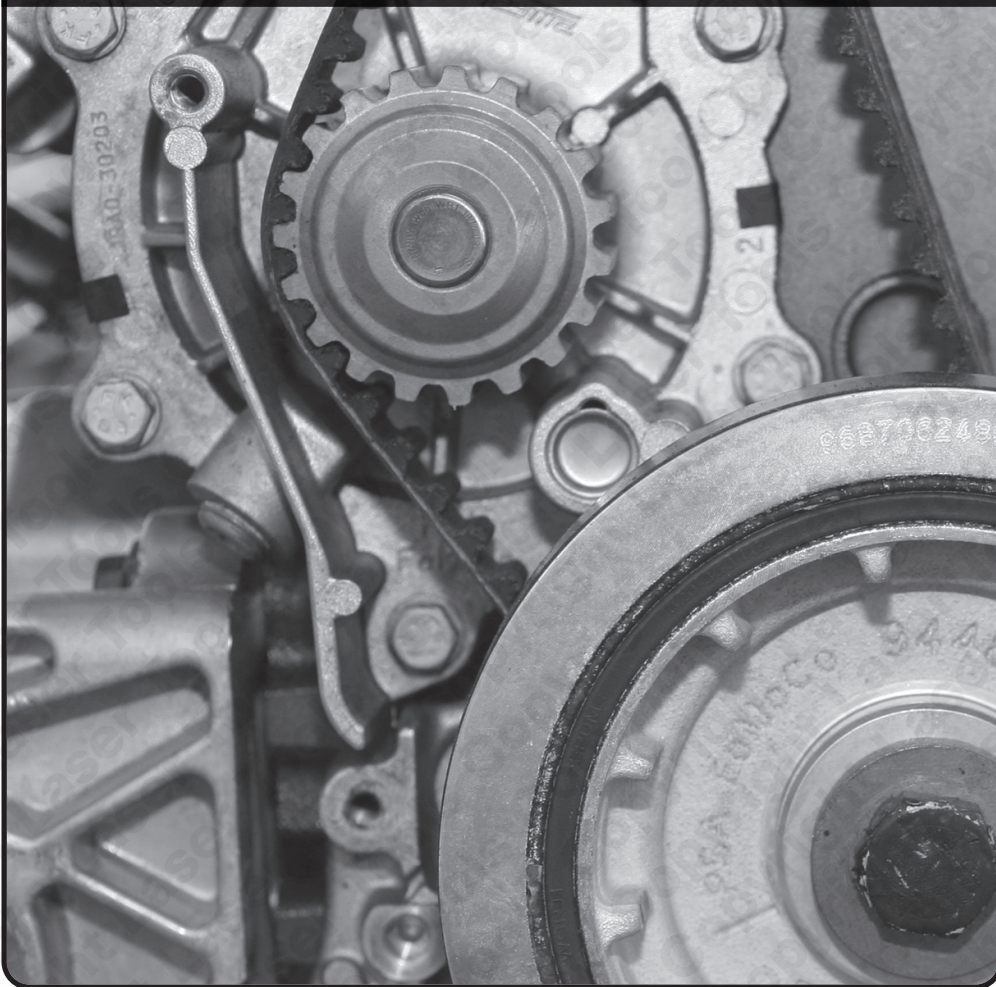
# LASER<sup>®</sup>

Part No. 7033

## Instructions

### Engine Timing Tool Kit

Vauxhall/Opel 1.0, 1.4, 1.5 Petrol



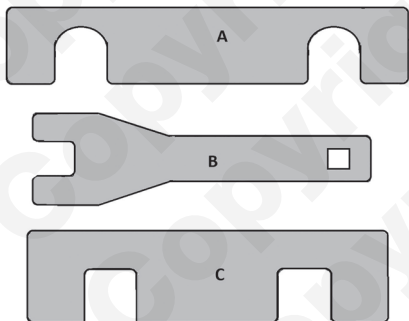
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## Introduction

This engine timing kit provides the essential tools required to check and set the camshaft timing on the post 2014 Vauxhall/Opel 1.0L, 1.4L, 1.5L turbo and non turbo petrol engines.

*Note: For vibration damper/front pulley removal we recommend Laser Part No. 7117.*

## Components



Ref.	Code	OEM Ref.	Description
<b>A</b>	C822	EN-51367	Camshaft Alignment Tool 1.0L, 1.4L & 1.5L turbo
<b>B</b>	C823	EN-51298	Balance Shaft Alignment Tool
<b>C</b>	C824	EN-51632	Camshaft Alignment Plate 1.0L & 1.4L non turbo

## Applications

Manufacturer	Model	Year	Engine Codes		
			Non Turbo	Turbo	
Opel/Vauxhall	Adam	2014 - 2019	1.0	1.0	1.4
	Adam Rocks	2014 - 2019	L5Q/B10XE	LE1/B10XFL	LE2/B14XFL
	Astra-K	2015 - 2019	LWT/B10XL	LE1/B10XFT	LE2/B14XFT
	Corsa-E	2015 - 2019	L5Q/D10XE	LE1/B10XHL	LFE/B14XNT
	Insignia-B	2017 - 2020	1.4	LE1/D10XFL	LE2/D14XFL
	Insignia-B Country Tourer	2017 - 2020	LV7/B14XE	LE1/D10XFT	LE2/D14XFT
	Karl	2015 - 2020		LE1/F10XFL	LFE/D14XNT
	Karl Rocks	2016 - 2020		LE1/F10XFT	
	Mokka X	2016 - 2019			1.5
	Viva	2015 - 2019			LFV/B15XHT
	Viva Rocks	2017 - 2019			LFV/D15XHL

**Always refer to the website for most up to date applications: [www.lasertools.co.uk/product/7033](http://www.lasertools.co.uk/product/7033)**

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

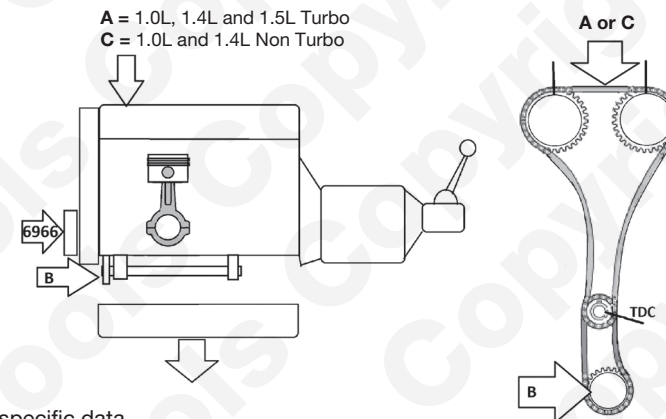
The use of this engine timing tool kit is purely down to the user's discretion and The Tool Connection Ltd. cannot be held responsible for any damage caused whatsoever.



## Instructions

**NOTE:**

- Ensure the engine timing marks are aligned

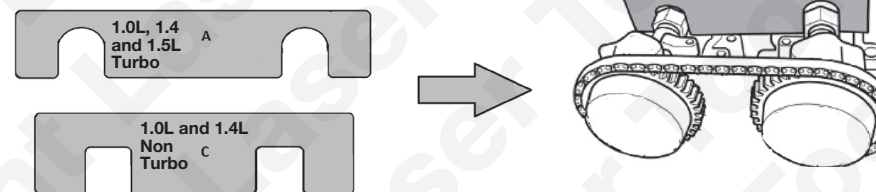


**Warning:**

- Always refer to OEM vehicle specific data
- Ensure timing marks aligned as per OEM data.
- Engine at TDC no.1
- Some engines will require the removal of the sump

**Component A/C**

Used to lock the camshafts in their timed position as shown. Select appropriate camshaft locking plate according to engine size, turbo or non turbo (refer to kit list).



**Component B**

Used to hold the balancer shaft while slackening the balancer shaft sprocket bolt.



## Safety Warnings - please read

- If the engine has been identified as an Interference engine, damage to the engine will occur if the timing belt has been damaged. A compression check of all the cylinders should be taken before the cylinder head (s) are removed.
- Do not turn crankshaft or camshaft when the timing belt/chain has been removed.
- To make turning the engine easier, remove the spark plugs/glow plugs or injectors.
- Observe all tightening torques.
- Do not turn the engine using the camshaft or any other sprocket.
- Disconnect the battery earth lead (check Radio code is available).
- Do not use cleaning fluids on belts, sprockets or rollers.
- Some toothed timing belts are not interchangeable. Check the replacement belt has the correct tooth profile.
- Always mark the belt with the direction of running before removal.
- Do not lever or force the belt onto its sprockets.
- Do not use timing pins to lock the engine when slackening or tightening the crankshaft pulley bolts.
- ALWAYS REFER TO A REPUTABLE MANUFACTURERS WORKSHOP MANUAL.

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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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