



# Engine Timing Tool Kit Vauxhall/Opel 1.6 CDTi





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### Description

In 2013 Opel/Vauxhall launched a new 1.6 ecoFLEX diesel engine across their range. The new engine design has also meant the need for a new engine timing kit.

This kit provides the essential tools required to set and time the main engine components when replacing the camshaft drive chain.

### Plan Layout



Ref	Code	OEM	Description
Α	4880185	EN-6349 EN-6130	Auxiliary Drive Belt Tensioner Locking Pin
В	4880355	EN-51143	Camshaft Alignment Setting Pin
С	4880356	EN-51140	Crankshaft Alignment Tool + Screws
D	4880348	EN-50513	Tensioner Locking Pin
Е	4880357	EN-51188	Camshaft Sprocket Holding Tool + Screws

## Applications

Make	Model	Year	Туре
Opel/Vauxhall	Astra-J	2013-2018	CDTi ecoFLEX
	Astra-K	2015-2018	
	GTC	2015-2018	
	Insignia- A	2015-2017	
	Meriva-B	2013-2017	
	Mokka	2014-2016	
	Mokka X	2016-2018	
	Zafira-C Tourer	2013-2018	

Engine Size	Engine Code
1.6	B16DTC, B16DTE, B16DTH, B16DTJ, B16DTL, B16DTN, B16DTR, B16DTU

### Instructions



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.

### Instructions



- Initial alignment align the camshaft marks at the 12 o'clock position.
- Align the crankshaft and idler gear marks.
- Align the high pressure pump mark as shown.
- Fit the crankshaft alignment tool (C) and camshaft alignment pin (B).



#### Instructions



Component **E** is used to support the camshaft drive sprocket and maintain the chain tension and position while the camshaft can be removed for service or replacement without disturbing the cam chain.

It is bolted to the cylinder head so that the peg supports the camshaft drive sprocket and chain.

Note: do not loosen or tighten against component **E**, use an appropriate sprocket holding tool to torque against when loosening or tightening the cam chain sprocket.

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 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.

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