

Warning

It is always recommended to refer to the vehicle manufacturers workshop manual for specific procedures and technical data when using these tools.

Incorrect or out of phase engine timing can result in damage to valves. It is always recommended to turn the engine slowly by hand and to recheck the camshaft and crankshaft timing positions.

Our application directory should be used as a guide only and The Tool Connection cannot be held responsible for any damage caused to your engine by using these tools.

Safety

Care should be taken when working on the engine and full protection should be worn. The Tool Connection cannot be held responsible for any personal injury caused when using these tools.

Replacement parts can be ordered direct from The Tool Connection and not through your distributor.

LASER[®]

Engine Timing Kit



www.lasertools.co.uk



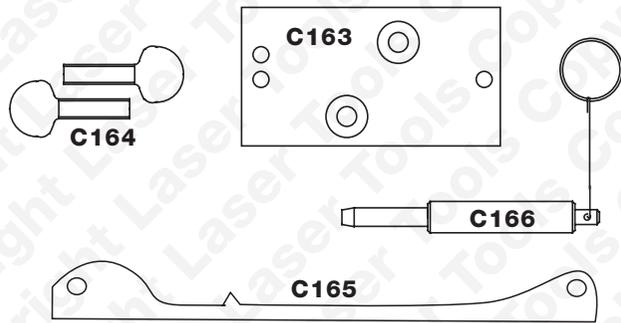
TIMING TOOL SET for Vauxhall / Opel]

This Timing Tool Set is suitable for engines manufactured after 1997 where the threaded location holes have been removed.

What the kit contains:

Check your Timing Tool Set carefully to make sure you have all the components. If any are missing, please contact Laser Tools on 01926 815000 - You should have all the following components.

Item	Description	OEM Ref
C163	Camshaft Locking Tool	KM 661-2
C165	Flywheel TDC Setting Bracket	KM 851
C166	Flywheel Locking Pin	KM 951
C164	M8x30mm Thumb Screws	KM 661



C163/4

The camshaft locking tool can be used in conjunction with Part No 2629 and enables the timing position of the Camshaft to be held whilst the Timing Belt is attached.

C165

The Flywheel TDC Setting Bracket is attached to the flywheel housing to give the position against which to align the flywheel top dead centre mark.

C166

The Flywheel Locking Pin is suitable for use on models which have a two part oil pan. The pin is inserted through the bell housing into the flywheel. The spring and ring are placed over the head of an adjacent bolt to prevent the pin from dropping out.

Manufacturer	Model	Year	Engine Size	Item Code
Vauxhall	Astra F / Astravan Cavalier Vectra A	1997-98	1.7D/Td	C163 / 4 / 5 / 6
	Astra/ Belmont/ Kadett-E Cavalier/ Ascona-C Vectra-A/ Astramax Astravan	1986-96	1.6/1.7D	C163
	Astra-G	1998-00	1/7Td	C163 / 166

Timing Belt Replacement

The Timing Belt drives the camshaft, fuel injection pump and in most cases the coolant pump on the front of the camshaft. If the belt breaks or slips while the engine is running the pistons may hit the valve heads and result in serious damage. Removing and replacing the timing belt needs specialist knowledge and special tools and should never be attempted without referring to a reputable workshop manual.