LASER®

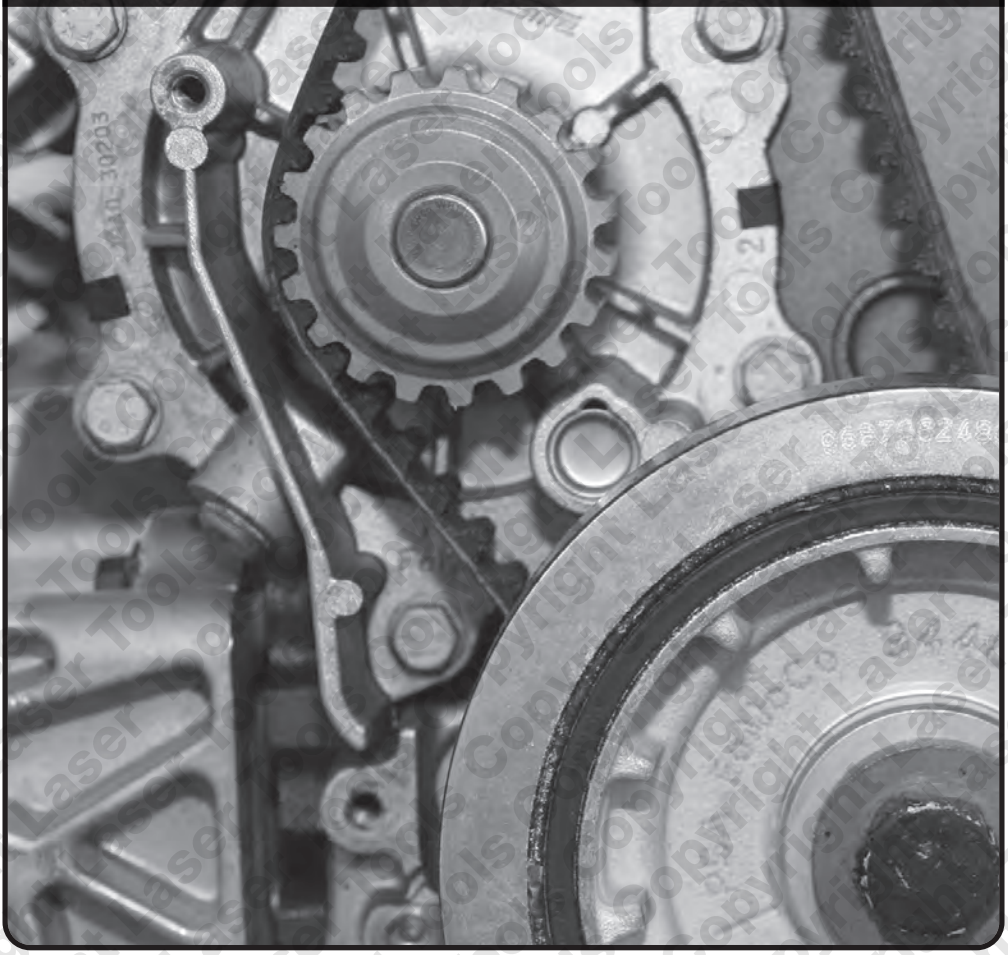
Part No. 6523

Instructions

Engine Timing Tool Kit

MADE IN SHEFFIELD

1.3 JTD/HDi - Fiat, GM, Suzuki, Ford, PSA

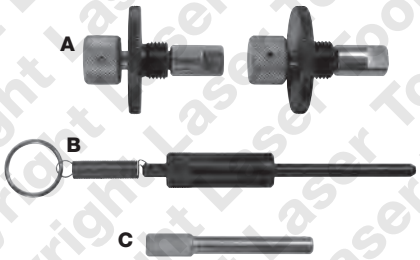


Please refer to **www.lasertools.co.uk/toolpoint**
to check the most up to date product applications.

www.lasertools.co.uk

- This is an essential engine timing tool set that provides the camshaft and crankshaft timing tools only.
- Applications are the same as for Laser 4773 but it does not include the chain lever and crank holding tools.

Components



Ref.	Code	OEM Ref	Description
A	C255	104-A EN 46781	Camshaft Alignment Tool (2)
B	C276	EN 46785	Crankshaft Locking Pin with Spring
C	C101		Crankshaft Locking Pin

Applications

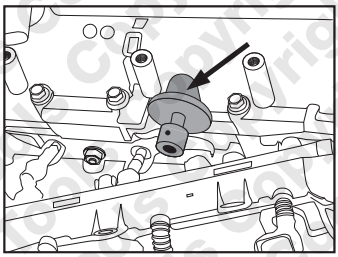
Make, Model, Year			Engine Codes
Citroën	Nemo	2010 - 2015	**1.3 HDi** FHZ(F13DTE5)
Fiat	Doblo/Cargo	2004 - 2006	**1.3 MultiJet/ JTD** 169A1.000 188A8.000 188A9.000 199A3.000
	Idea	2004 - 2006	
	Panda	2003 - 2009	
	Punto	2003 - 2007	
Ford	KA	2008 - 2015	**1.3 TDCi** 167A1.000 (FD4) BAAA/B
Peugeot	Bipper	2010 - 2015	**1.3 HDi** F13DTE5 (FHZ)
Suzuki	Ingis	2003 - 2009	**1.3 DDiS** Z13DT
	Wagon	2003 - 2009	
	Swift	2003 - 2010	
Vauxhall/ Opel	Aqila	2003 - 2008	**1.3 CDTi** Z13DT Z13DTH Z16DTJ
	Corsa-C	2003 - 2007	
	Corsa-D	2006 - 2009	
	Combo-C	2003 - 2009	
	Astra-H	2004 - 2009	
	Tigra-B	2004 - 2009	
	Meriva	2004 - 2009	

Always refer to the website for most up to date applications: ***www.lasertools.co.uk/product/6523***

Instructions

Component A

1. These camshaft locking tools are used to lock the camshafts in position.
2. Access must first be gained to the blanking plugs that are positioned one on the front of the cam cover and one on the rear of the cam cover. Lift the high pressure fuel rail and engine wiring harness to gain access.
3. Remove the blanking plugs and screw the locking tools into place with the flats on the inner section of the tools horizontal.
4. The tools are correctly fitted when the inner section of the tools can be easily pushed in with finger pressure.

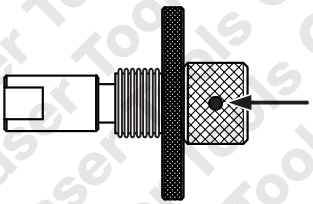


NB: These tools are for setting the position of the camshafts.

Do not attempt to loosen or tighten any fixings on the camshaft using these tools to lock the camshaft as this will cause damage

Components B & C (application dependent)

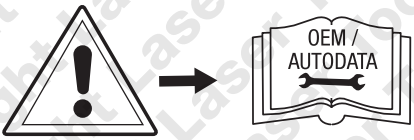
1. The flywheel alignment pins are used to lock the position of the flywheel to ensure the crankshaft is in the correct timed position to match the camshafts.

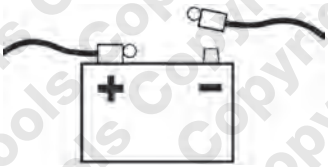


NB: These tools are for setting the position of the crankshaft, do not attempt to loosen or tighten any fixings on the crankshaft using these tools to lock the crankshaft as this will cause damage.

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.





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.

Safety First. Be Protected.

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection 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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Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.