

LASER[®]

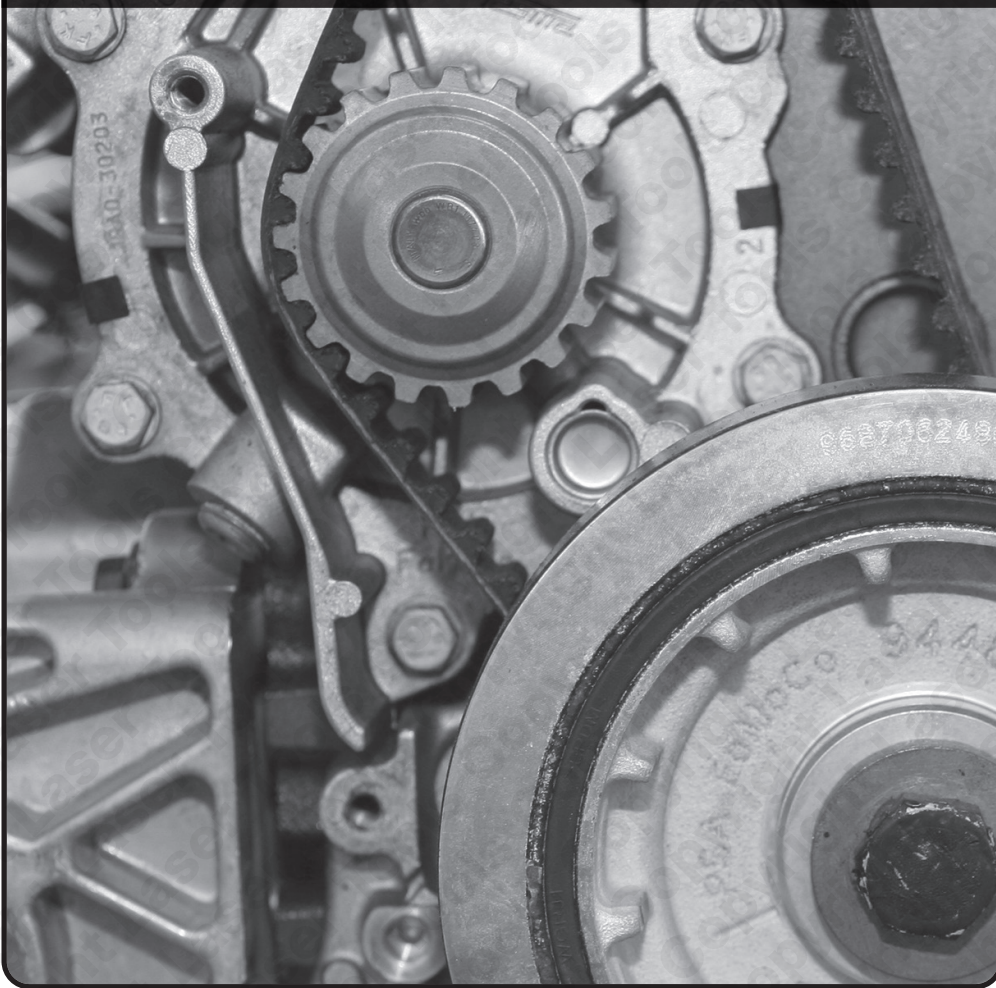
Part No. 5033

Instructions

Engine Timing Tool Kit

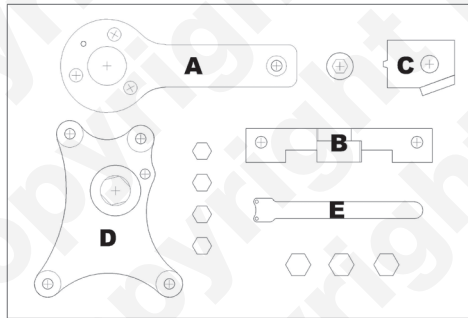


Fiat 1.2, 1.4 8v



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Components



Ref.	Code	OEM Ref.	Description
A	C491	2 000 004 500 2 190 754 500	Crankshaft Locking Tool
B	C492	2 000 004 400 2 190 754 400	Camshaft Setting Bracket
C	C493	2 000 004 200 2 190 754 200	Camshaft Sprocket Locking Tool (M10)
D	C494	2 000 004 300	Camshaft Cover Alignment Tool
E	C256	1 860 987 000	Tension Tool

Applications

Manufacturer	Model	Year	Engine Codes
Alfa Romeo	Mito	2010 - 2018	1.4 8V 350A1.000 955A9.000
Chrysler	Ypsilon	2011 - 2015	1.2 8V 169A4.000
Fiat	500/500C	2007 - on	1.2 8V 169A4.000 199A4.000
	Fiorino	2009 - 2021	
	Grande Punto	2005 - 2012	1.4 8V 199A7.000 350A1.000
	Idea	2005 - 2012	
	Linea	2007 - 2011	
	Panda	2010 - on	
	Punto	2012 - 2019	
	Punto Evo	2009 - 2012	
	Qubo	2009 - 2020	
Ford	Ka	2008 - 2016	1.2 8V 169A4.000 (FP4)/AAAA 169A4.000 (FP4)/ABAA 169A4.000 (FP4)/ABCA 169A4.000 (FP4)/ABDA
Lancia	Musa	2005 - 2013	1.2 8V 169A4.000
	Ypsilon	2006 - on	1.4 8V 350A1.000

Always refer to the website for most up to date applications: www.lasertools.co.uk/product/5033

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 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.



Preparation

Access to the timing belt end of the engine is restricted on these engines. For this reason some or all of the following may need to be removed:

Right hand front wheel, inner wheel arch, sub frame connection bar and air intake system. It will be necessary to remove the right hand engine mounting and bracket. For this reason an additional engine support will be required. (Refer to manufacturer's information for details).

A Crankshaft Locking Tool

Fit component (A) to the crankshaft and lock the crankshaft in position with the bolt provided. Loosen the tensioner fixing, back the tensioner off and remove the belt.

N.B. Manufacturer vehicles specific instructions should be consulted when setting the belt tension.

B Camshaft Setting Bracket

Turn the crankshaft so that the notch in the camshaft is in the 12 o'clock position and fit component B (Camshaft Setting Bracket) so the bracket locks the end of the camshaft (opposite end to the belt).

C Camshaft Sprocket Locking Tool

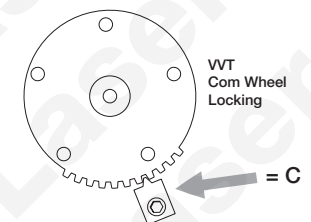
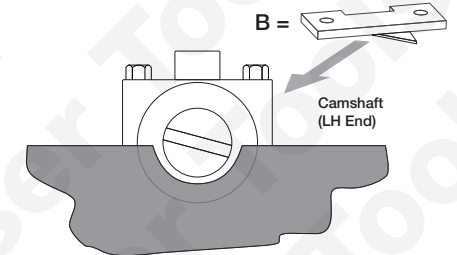
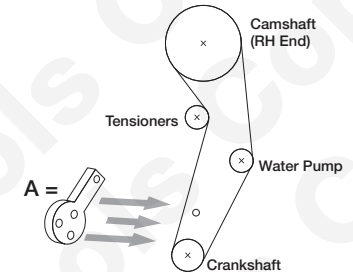
The component C is designed to allow the user to lock the camshaft sprocket in position to allow it to be loosened without turning the camshaft (engines fitted with VVT, 350A1 000).

D Camshaft Cover Alignment Tool

Component D is used to ensure the Cam end cover (1.4 engines with VVT) is fitted in the correct position to ensure the Camshaft sensor is correctly aligned.

E Tensioner Adjuster

Required to back off and adjust the belt tensioners fitted to these engines.



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.



When you have finished with this product please recycle it

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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.

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