LASER®

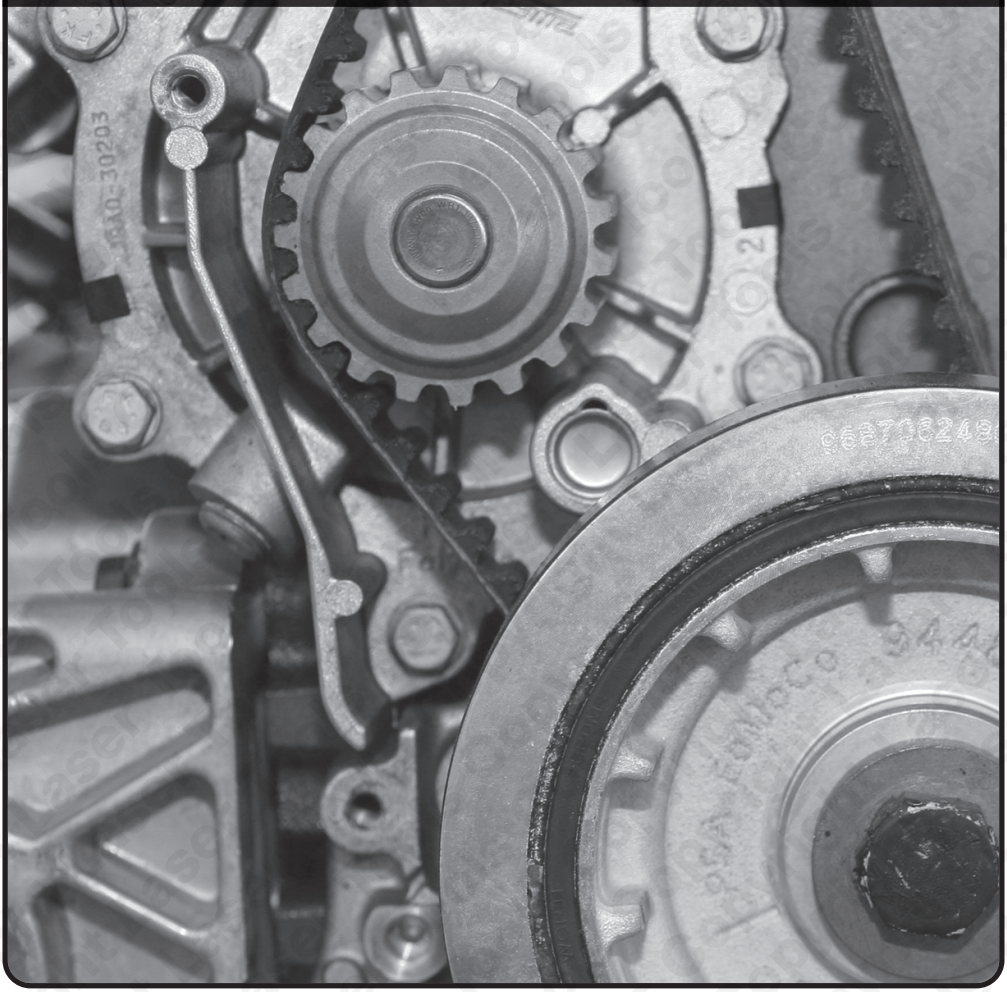
Part No. 5716

Instructions

Engine Timing Tool Kit

Fiat 0.9L TwinAir

MADE IN SHEFFIELD



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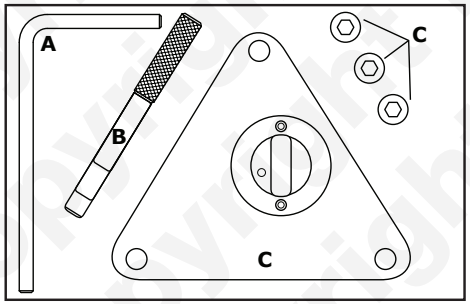
Components



Ref.	Code	OEM Ref.	Description
A	C579	2 000 035 300	Flywheel Locking Tool
B	C580	2 000 035 200	Pulley Locking Pin
C	C581	2 000 035 100	Camshaft Locking Plate with screws

Applications

Manufacturer	Model	Year	Engine Codes
Alfa Romeo	MiTo	2013 - 2018	199B6.000 199B7.000 312A2.000
Chrysler	Ypsilon	2011 - 2015	312A2.000
Fiat	500/500C	2010 - 2020	199B6.000 199B7.000 312A2.000 312A4.000 312A5.000 312A6.000 312A7.000 46337561 46337566
	500L/500L Living/500L MPW	2012 - 2018	
	Panda	2012 - on	
	Punto	2012 - 2018	
Lancia	Ypsilon	2011 - 2018	312A2.000 312A5.000

Always refer to the website for most up to date applications: ***www.lasertools.co.uk/product/5716***

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.

Instructions

This tool kit has been designed to lock the cam and crankshaft in position to allow the removal and replacement of the timing chain fitted to the new low emission and high economy twin cylinder Fiat engine.

It should be noted that Fiat state that after rebuild these engines should be placed on suitable electronic diagnostic software for the onboard electronic control systems to be reset.

Balance Shaft Alignment Tool available - Laser Part No. 7338

Preparation:

- Removal of the timing chain will require the removal of the sump.
- Ensure the engine is at TDC No.1 cylinder.
- Ensure the chain tensioner is fully retracted and held in the retracted position using a suitable pin or drill bit.

Component Descriptions

Component A = Flywheel Locking Tool

Component A is used to lock the crankshaft in its timing position by locking the Flywheel. Component A is fitted into the flywheel via an access hole in the gearbox bell housing as shown (Fig. 1).

Component B = Pulley Locking Pin

Component B is used to lock and hold the front crankshaft pulley position for removal (Fig. 2).

N.B. The Crankshaft pulley fixing bolt has a left hand thread.

Components C =
Camshaft Locking Plate & Fixings

Component C is used to lock the camshaft in its timed position. It bolts to the engine cylinder head using the fixing provided. Component C locates on to the camshaft at the opposite end to the camshaft drive pulley and chain as shown (Fig. 3).

Fig. 1

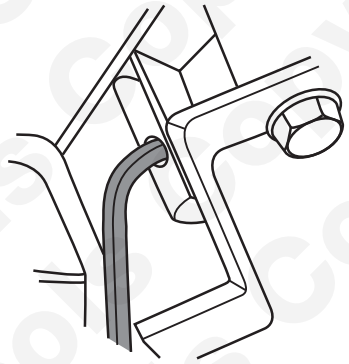


Fig. 2

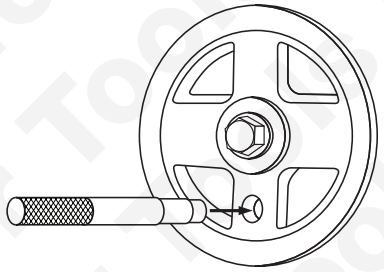
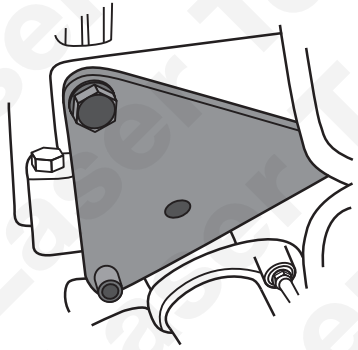


Fig. 3



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.