

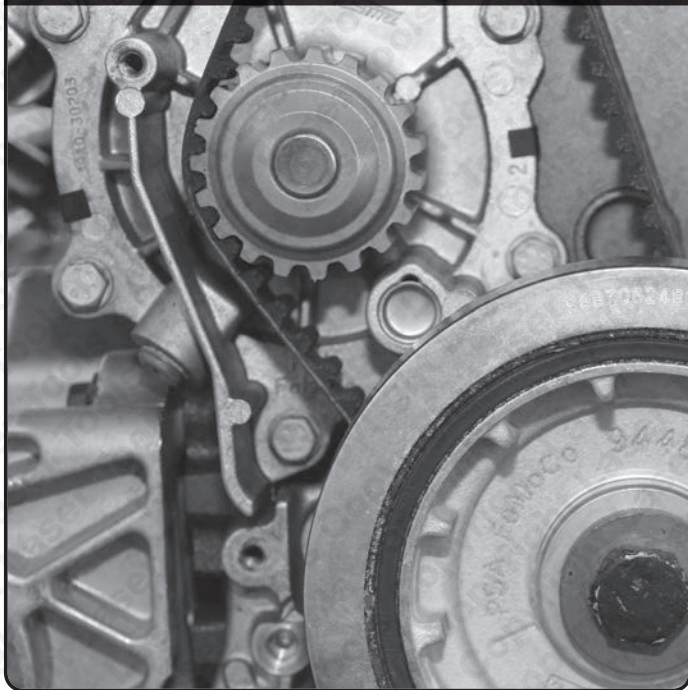
Part No. 3471

LASER[®]

Instructions

Timing Tool Set

Fiat 1.9 D, TD



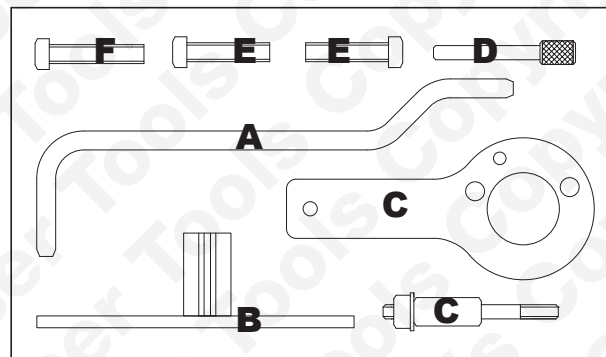
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Introduction

Around 1994 Fiat introduced the 1.9L Citroën Peugeot based diesel engine to their vehicle range. The 3471 was introduced to provide the Fiat specific locking tools required to set the engine timing on these 1.9 turbocharged and naturally aspirated diesel engines.

- For use on Fiat 1.9 D, TD with Peugeot engines. Also Alfa Romeo 145, 146, 156 JTD.
- Also suitable for 2.4 JTD
- Includes cranked setting bar, flywheel locking tool, crankshaft timing tool and timing pump locking pin.

Components



Ref.	Code	OEM Ref.	Description
A	C062	1 860 863 000	Cranked Setting Pin 8mm
B	C148	1 860 898 000	Flywheel Locking Tool
C	C150	1 860 905 000	Crankshaft Timing Tool
D	C091	1 860 965 000	Timing Pump Locking Pin
E	C063		M8 x 35mm Locking Screw
F	C064		M8 x 40mm Locking Screw

Applications

Make	Model	Year	Engine Codes	
Alfa Romeo	145	1998 - 2001	1,9 JTD/TD	2,4 JTD
	146	1998 - 2001	323.02	325.01
	147	2001 - 2010	371.01	342.02
	156	1997 - 2006	182A7.000	362.02
	159	2005 - 2010	182A8.000	838A8.000
	166	1998 - 2007	182B4.000	839A5.000
Fiat			182B9.000	839A6.000
			186A6.000	841C.000
	Brava / Bravo	1995 - 2002	186A8.000	
	Bravo	2007 - 2009	188A2.000	
	Doblo / Cargo	2000 - 2010	188A3.000	
	Idea	2004 - 2008	188A7.000	
	Marea / Weekend	1996 - 2003	188B2.000	
	Multipla	1999 - 2011	192A9.000	
	Palio Weekend	2000 - 2006	192A1.000	
	Punto / Punto Classic	1999 - 2006	192A3.000	
	Ritmo	2008 - 2010	937A2.000	
	Stilo	2001 - 2008	937A3.000	
Lancia	Strada Pick-up	2000 - 2006	939A7.000	
	Kappa	1998 - 2002	1,9 MultiJet	
	Lybra	1999 - 2007	186A9.000	
	Musa	2004 - 2011	192A8.000	
	Thesis	2002 - 2007	192B4.000	
			192B5.000	
			223A6.000	
			223A7.000	
			223B1.000	
			223B2.000	
			185A2.000	
			185A6.000	

Always refer to the website for most up to date applications:

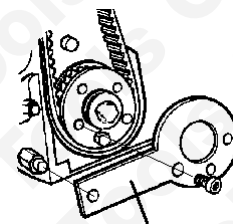
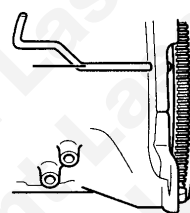
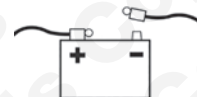
www.lasertools.co.uk/product/3471

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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.



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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.

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