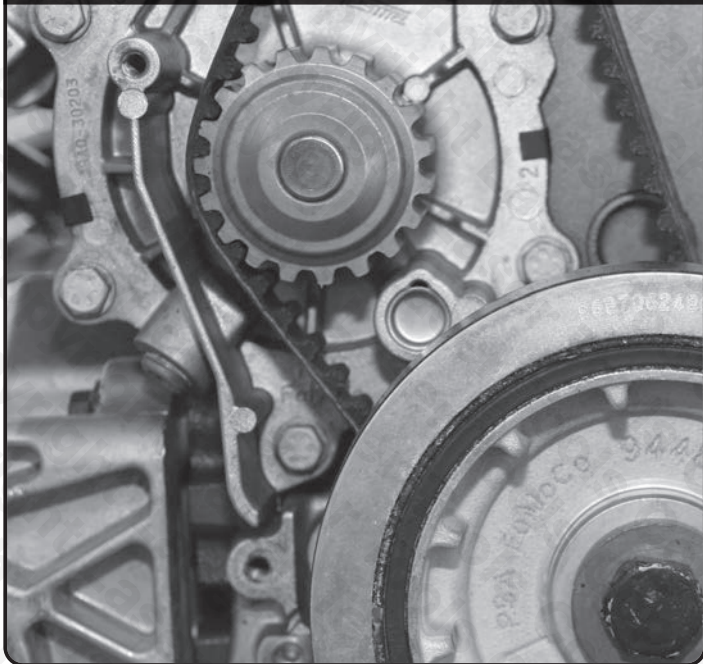


# LASER<sup>®</sup>

Part No. 6230

## Instructions

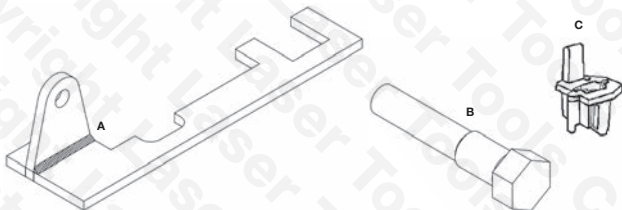
### Engine Timing Tool Kit for VAG 3cyl 4v



Please refer to [www.lasertools.co.uk/toolpoint](http://www.lasertools.co.uk/toolpoint)  
to check the most up to date product applications.

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## Components



Ref.	Component Code	OEM Ref	Description
A	C667	T10477	Camshaft Locking Bar
B	C439	T10340	Crankshaft Locking Pin
C	C668	T10476	Camshaft Sprocket Locking Tool (Nylon)

## Applications

Make, Model, Year			Engine Codes
Seat	Ibiza	2013 - 2019	1.0 TSI/MPI
	Mii	2012 - 2019	
Skoda	Citigo	2011 - 2019	CHYA CHYB CPGA DAFA
	Fabia III	2014 - on	
Volkswagen	Polo	2012 - 2018	
	Up!	2011 - 2020	

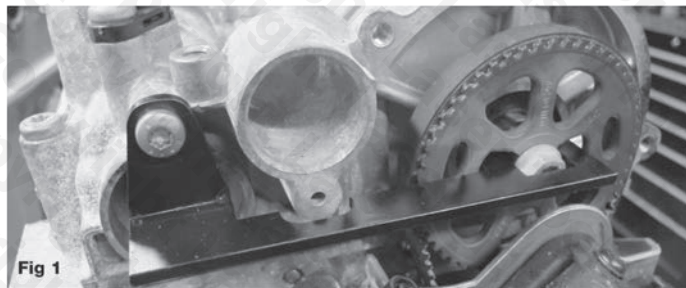
## Instructions

- Raise the front of the vehicle and remove the front wheels and inner wheel arches as required.
- Remove the engine under shield, top cover, air intake, auxiliary drive belt(s).
- Ensure the engine is at TDC cylinder number 1.
- Remove the blanking caps from the rear of the inlet camshaft and cylinder block.
- When loosening or tightening the camshaft or crankshaft pulley bolts ALWAYS use a pulley holding tool.
- The component provided in this kit are to lock the cam/crankshaft in their timed position and not designed to hold them against the load of tightening or loosening fixings.

### Component A

Used to lock the camshafts in their timed positions in relation to each other. Fit as shown in Fig. 1 after fitting component B with the engine set at TDC No 1 cylinder. Fit at the rear of the camshafts once blanking plugs have been removed.

## Instructions



### Component B

Used to lock the crankshaft in its timed position. Component B screws into the block as shown in Fig. 2

The crankshaft rear web should sit against the end of the pin with the engine set at TDC No 1 cylinder.

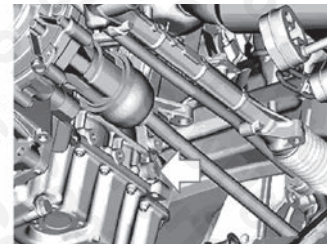


Fig 2

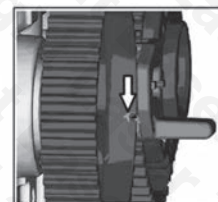
### Component C

Used to lock the two camshaft pulleys together in their timed position. Loosen both pulleys using a suitable pulley holding tool and use (C) to set the pulleys in the correct position as shown in Fig. 3.

Ensure all marks are correctly aligned as shown.



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.**

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6230\_Instructions\_V6



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