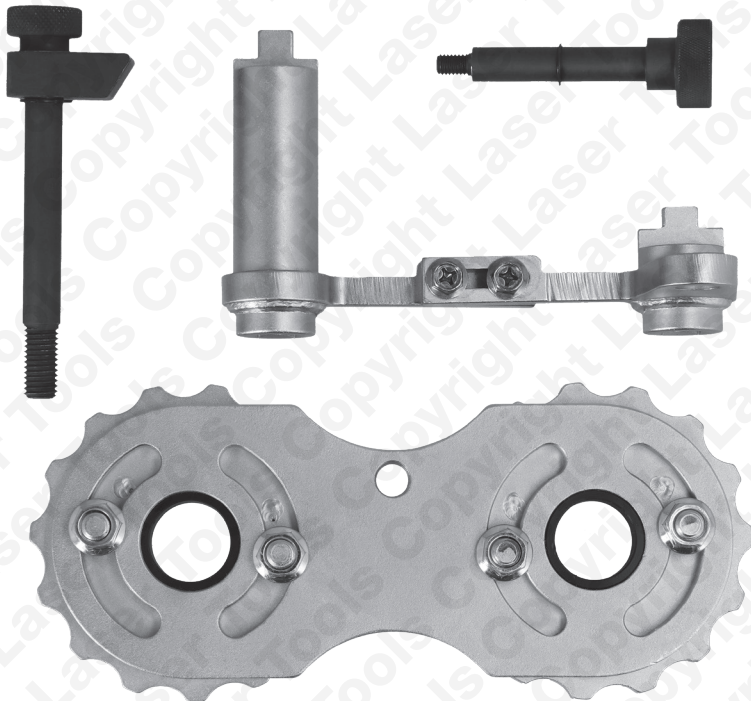


Part No. 8134

LASER[®]

Camshaft Setting & Sprocket Locking Tool - Volvo Petrol

Instructions



www.lasertools.co.uk

Introduction

The Laser 8134 kit provides the camshaft timing and camshaft sprocket locking tools required for the Volvo 1.5L and 2.0L petrol engines with the engine codes listed overleaf.

For crankshaft timing and holding tools see Laser 8108 kit sold separately.

- Applications include: Volvo S60 (2013 to 2018), S80 (2013 to 2016), S90 (from 2016), V40 (2014 to 2019), V60 (2013 to 2018), V70 (2013 to 2016), V90 (from 2016), XC40 (from 2017), XC60 (from 2013), XC70 (2013 to 2016), XC90 (from 2014).
- Engine code applications include: 1.5L B4154T and 2.0L B4204T petrol engines including PHEV versions. See Website for full application list.
- Used to lock the camshafts in their timed position and hold the loosened sprockets while removing and replacing the cambelt.
- Equivalent to OEM refs. 9997490, 9997497/1.
- Use in combination with the crankshaft holding tools from Laser - Part No. 8108.

The information given below is for reference only. Laser Tools recommends the use of Manufacturer data. Laser Tools cannot be held responsible for damage to engine or personnel whilst using this tool kit.

The following instructions are for guidance only. Please refer to OEM derived data such as the vehicle manufacturers' own data or Autodata.

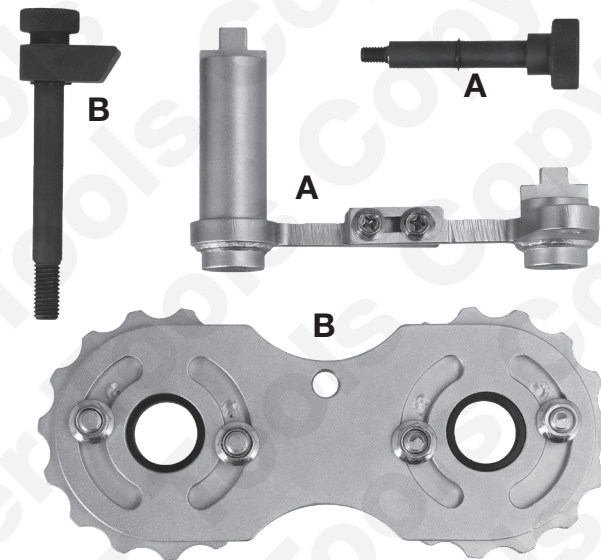
The use of this engine timing tool kit is purely down to the user's discretion and The Tool Connection Ltd. cannot be held responsible for any damage caused whatsoever.



Warning: Hybrid drive vehicles (including PHEV & MHEV):

Where the vehicle is a hybrid electric vehicle there may be a risk of injury due to electric shock. Please ensure all manufacturers' safety recommendations are followed at all times including any relevant HV disconnection processes and the use of appropriate PPE as specified by the vehicle manufacturer. No liability is accepted by the Tool Connection for injury or shock to personnel, property or equipment, however caused.

Components



Ref.	Comp. Code	OEM Ref.	Description
A	C972	999 7490	Camshaft Setting Tools
B	C973	999 7497/1	Camshaft Sprocket Locking Tool

Applications

Make	Model	Type	Year	Engine Codes	
Volvo	S60 II	T2, T3, T4, T5, T6, Cross Country, Polestar	2013 - 2018	1.5L B4154T2 B4154T3 B4154T4 B4154T5	2.0L B4204T9 B4204T11 B4204T14 B4204T17 B4204T18 B4204T19 B4204T20 B4204T21 B4204T23 B4204T26 B4204T27 B4204T28 B4204T29 B4204T31 B4204T33 B4204T34 B4204T35 B4204T36 B4204T37 B4204T38 B4204T39 B4204T43 B4204T45 B4204T46 B4204T47 B4204T48 B4204T49 B4204T52 B4204T53 B4204T56
	S60 III	T4, T5, T6, T8, Polestar	2018 on		
	S80 II	T5	2013 - 2016		
	S90 II	T4, T5, T6, T8, Polestar	2016 on		
	V40	T2, T3, T4, T5, Cross Country	2014 - 2019		
	V60 I	T2, T3, T4, T5, T6, Cross Country, Polestar	2013 - 2018		
	V60 II	T4, T5, T6, T8, Cross Country, Polestar	2018 on		
	V70 III	T4, T5	2013 - 2016		
	V90 II	T4, T5, T6, T8, Cross Country, Polestar	2016 on		
	XC40	T4, T5, Polestar	2017 on		
	XC60 I	T5, T6	2013 - 2018		
	XC60 II	T4, T5, T6, T8, Polestar	2017 on		
	XC70 II	T5	2013 - 2016		
	XC90 II	T5, T6, T8, Polestar	2014 on		

Always refer to the website for most up to date applications:
www.lasertools.co.uk/product/8134

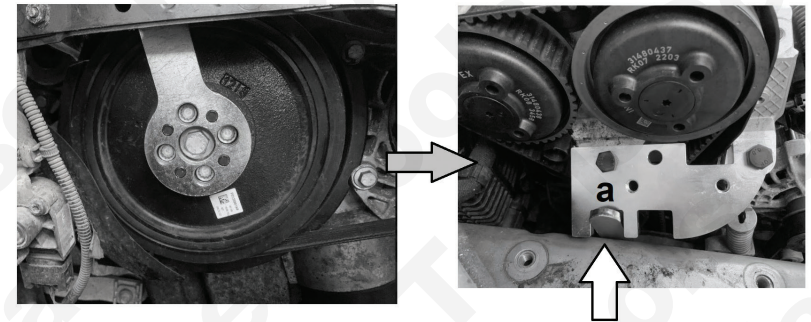
Instructions

- Always refer to manufacturer specific data and instructions.
- Support the engine from underneath.
- Mark the position of, and then remove the right hand engine mounting, upper torque reaction link and bracket.
- For crankshaft locking and holding additional tools will be required. Please see Laser Part No. 8108 available separately.

1. For crankshaft holding use 8108 kit (available separately) as shown in figure 1.

Note: for petrol engines align the crankshaft lever with the first slot (a) in the mounting bracket as shown in figure 1.

FIG. 1



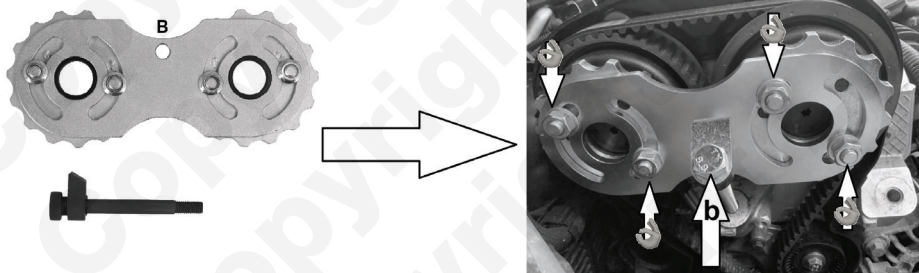
2. Remove the crankshaft pulley centre bolt, the pulley holding bolts, the alignment tool and the timing belt lower cover.

Instructions

Camshaft Alignment:

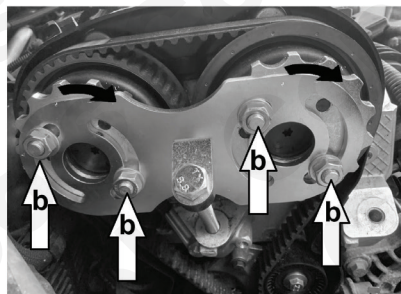
1. With the crankshaft pulley removed, turn the crankshaft to align the crankshaft timing marks.
2. Fit the camshaft sprocket locking tool (B) as shown in figure 2. Tighten the main fixing bolt (b) just enough to hold the sprocket locking tool in place and hand tighten the sprocket tool nuts.

FIG. 2



3. Turn the camshaft sprocket adjuster wheels clockwise as far as they will go and tighten the holding bolts (b) to 25Nm as shown in figure 3.

FIG. 3



b = 25Nm

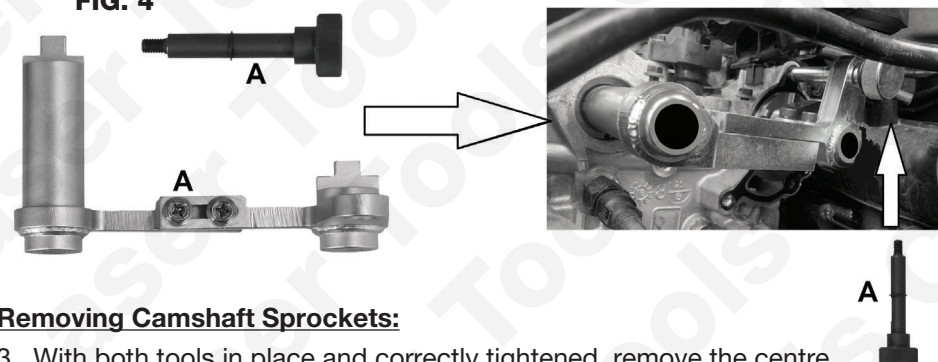
4. Slacken the belt tensioner and remove the cambelt.

Instructions

Removing Camshaft Sprockets:

1. When removing the camshaft sprockets the camshafts must be held in their timed position by fitting the camshaft setting tool (A) at the other end of the engine to the camshaft sprockets. This will require the removal of the petrol high pressure fuel pump and pipes.
2. With the camshaft sprocket holding tool in place, fit the camshaft setting tool (A) as shown in figure 4.

FIG. 4



Removing Camshaft Sprockets:

3. With both tools in place and correctly tightened, remove the centre fixings for the camshaft adjuster sprockets.
4. Remove the sprocket holding tool and the sprockets as required.

IMPORTANT: Ensure the camshaft locking tool (A) remains in place to hold the camshafts in their timed positions.

Follow the OEM vehicle manufacturer's procedure for fitting the camshaft sprockets and camshaft drive belt.

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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.



Safety First. Be Protected.



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When you have finished with
this product please recycle it

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