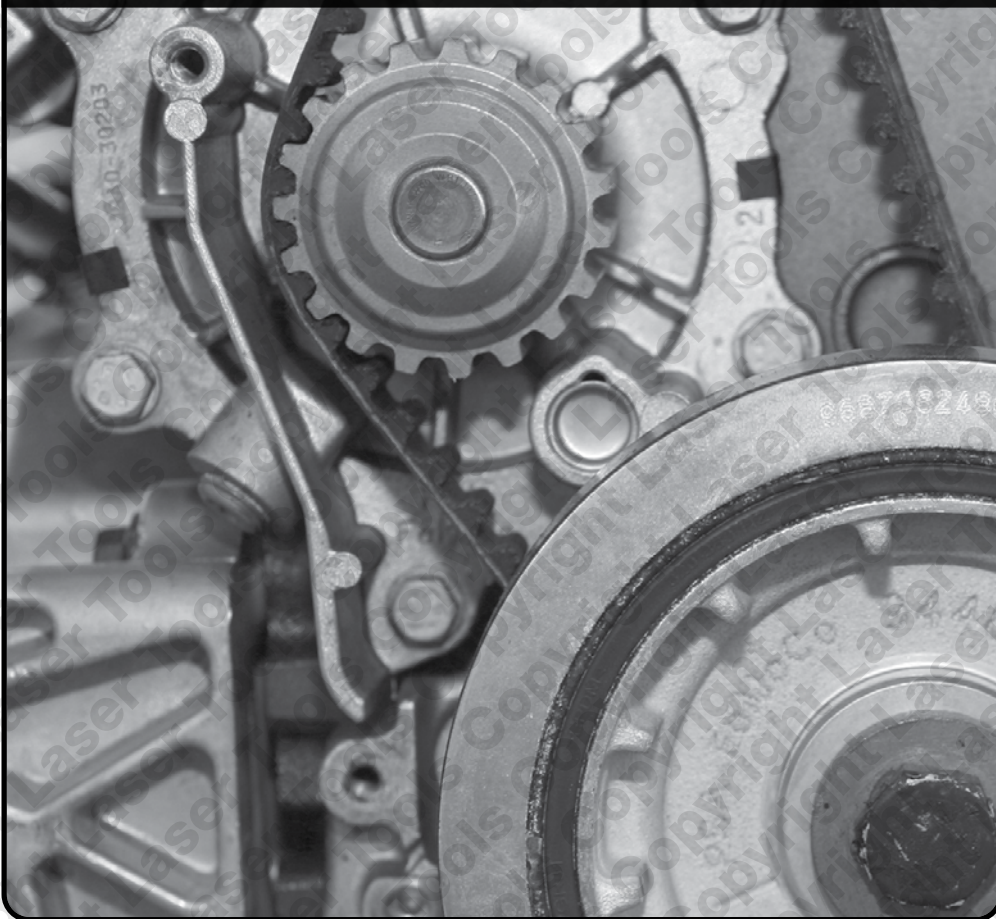


LASER[®]

Part No. 8108

Instructions

Engine Timing Kit for Volvo 2.0L Diesel



Please refer to www.lasertools.co.uk/toolpoint
to check the most up to date product applications.

www.lasertools.co.uk

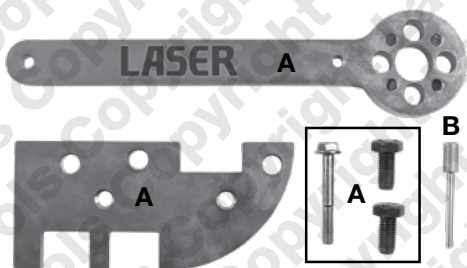
Introduction

The Laser 8108 engine timing kit provides the tools to lock and hold the crankshaft and high pressure fuel pump on the current range of Volvo 2.0lt diesel engines in the method specified by the manufacturer. The kit includes all the special tools required to time the engine when performing a timing belt change.

- Engine Applications include: 2.0lt Diesel D4204T codes.
- Includes Crankshaft and HP pump timing tools.
- Equivalent to OEM 999 7495 & 999 7233.
- Designed to be used in accordance with OEM instructions.

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.

Components



Ref.	Code	OEM Ref	Description
A	C961	999 7495	Crankshaft Pulley Holding Tool Components
B	C962	999 7233	High-Pressure Fuel Pump Sprocket Locking Tool

Applications

Make, Model, Year			Engine Codes
Volvo	S60	2013 - 2018	D4204T11
	S80	2013 - 2016	D4204T12
	S90	2016 - on	D4204T14
	V40	2014 - 2019	D4204T16
	V60	2013 - 2018	D4204T17
	V70	2013 - 2016	D4204T20
	V90	2016 - on	D4204T23
	XC40	2017 - on	D4204T4
	XC60	2013 - on	D4204T5
	XC70	2013 - 2016	D4204T6
	XC90	2014 - on	D4204T8 D4204T9

Always refer to the website for most up to date applications: www.lasertools.co.uk/product/8108

Instructions

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

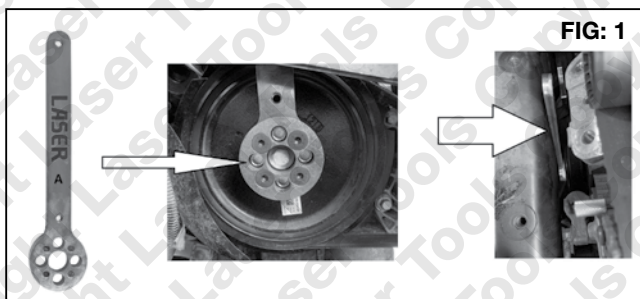
The use of this engine timing tool kit is purely down to the user's discretion and The Tool Connection Ltd. cannot be held responsible for any damage caused whatsoever.



- 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.

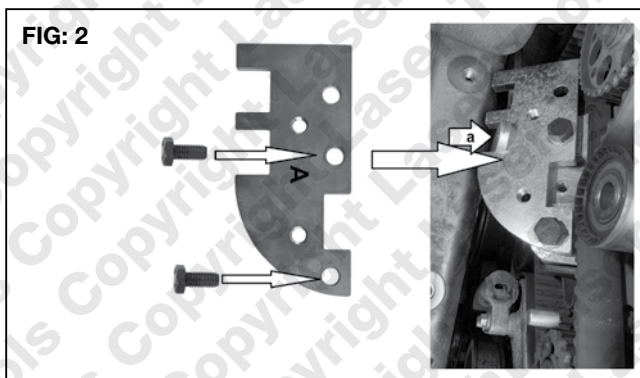
1. The crankshaft holding tool (A) is assembled from 2 major components. A lever and a holding bracket. It is required to hold the crankshaft while the pulley bolt is being loosened or tightened.

Fit as shown in figure 1 and 2.

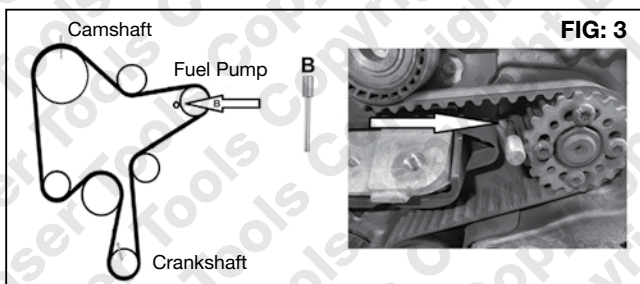


Once (A) is fitted and tightened the crankshaft pulley bolt can be removed allowing the pulley and lower cover to be removed.

2. Once the pulley is removed align the timing marks as shown in figure 3 and fit the fuel pump locking tool (B).



NOTE: Remove and fit the camshaft drive belt in accordance with manufacturer's instructions.



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 bottle please recycle it

www.lasertools.co.uk



Distributed by The Tool Connection Ltd

Kington Road, Southam, Warwickshire CV47 0DR
T +44 (0) 1926 815000 F +44 (0) 1926 815888
info@toolconnection.co.uk www.toolconnection.co.uk

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.

8108_Instructions_V2

www.lasertools.co.uk