



# LASER JLR V6 Timing Tool Kit Instructions

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**LASER JLR V6 Timing Tool Kit**



## Product Information

The Timing Tool Kit for JLR V6, part number 4273, is designed for timing belt replacement on Jaguar Land Rover TDV6 2.7L and 3.0L diesel engines. It is compatible with Land Rover, Range Rover, and Jaguar vehicles manufactured from 2004 onwards.

### Introduction

Engine timing kit designed to allow timing belt replacement on the Jaguar Land Rover TDV6 2.7L and 3.0L diesel engines found in the Land Rover, Range Rover, and Jaguar range from 2004.

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.



## Product Usage Instructions

1. Before using the timing tool kit, refer to the OEM-derived data such as the vehicle manufacturers' own data or Autodata for specific engine timing instructions.
2. Ensure that the engine is turned off and all necessary safety precautions are taken.
3. Identify the appropriate components from the kit based on the references provided.
4. Use the Camshaft Sprocket Aligning Tool (C322) to align the Camshaft sprocket correctly.
5. Use the Camshaft Sprocket Timing Pins (C323) to ensure the precise timing of the camshaft sprocket.
6. If the vehicle has a manual transmission, use the Flywheel Locking Tool (C324) to lock the flywheel in place. If it has an automatic transmission, use the Flywheel Locking Tool (C325) instead.
7. Follow the specific instructions provided in the OEM documentation or workshop manual for your vehicle

model.

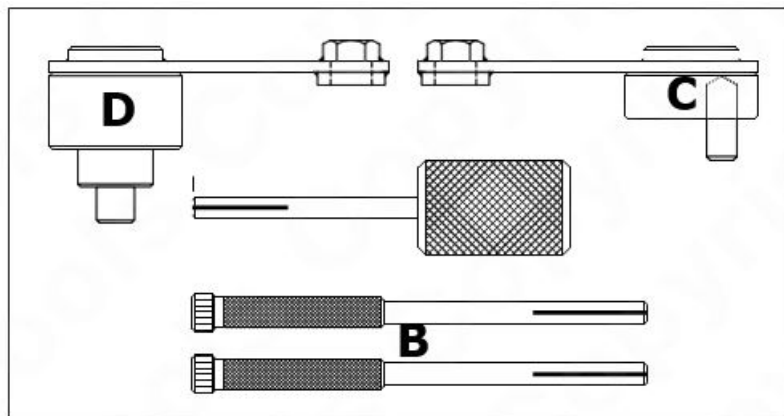
8. Always exercise caution and follow safety guidelines while using the timing tool kit.

**Note:** For 3.0 engines, the use of the 6183 Diesel Fuel Pump Locking Tool – for JLR is also required.

For more information, please refer to the website: [www.lasertools.co.uk/product/4273](http://www.lasertools.co.uk/product/4273)

Ensure that you read and understand the safety warnings provided in the user manual before using the product.

## Components



Ref.	Comp. Code	OEM Ref.	Description
A	C322	OEM 303-1132	Camshaft Sprocket Aligning Tool
B	C323	OEM 303-1126	Camshaft Sprocket Timing Pins
C	C324	OEM 303-1116	Flywheel Locking Tool (Manual Transmission)
D	C325	OEM 303-1117	Flywheel Locking Tool (Automatic Transmission)

## Applications

Make	Model	Sub Model	Range	Year	Engine Codes
Jaguar	S-Type		(X200)	2004 – 2008	2.7
	XF	S	(X250)	2008 – 2015	276DT (7B/7G)
	XF	S	(X260)	2015 – 2021	3.0
	XJ6	TDVi	(X350/358)	2005 – 2010	AJ-V6D/306DT
	XJ		(X351)	2010 – 2020	
	F-Pace	S 30d	(X761)	2016 – on	
Land Rover	Discovery 3	TDV6	(L319)	2004 – 2009	2.7
	Discovery 4 / Discovery	SDV6, TDV6	(L319)	2009 – 2017	276DT
	Discovery	Sd6, Td6	(L462)	2017 – on	3.0
	Range Rover	SDV6, SDV6 Hybrid, TDV6	(L405)	2012 – on	306DT
	Range Rover Sport	SDV6, TDV6	(L320)	2005 – 2013	
	Range Rover Sport	SDV6, SDV6 Hybrid, TDV6	(L494)	2013 – 2021	
	Range Rover Velar	D275, D300	(L560)	2017 – on	

All 3.0 engines also require a 6183 'Diesel Fuel Pump Locking Tool – for JLR'.

Always refer to the website for most up-to-date applications: [www.lasertools.co.uk/product/4273](http://www.lasertools.co.uk/product/4273)

**Warning** – Incorrect or out-of-phase engine timing can result in damage to the valves. It is always recommended to turn the engine slowly, by hand, and to re-check the camshaft and crankshaft timing positions.

## Safety Warnings

- 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 the 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 MANUFACTURER'S WORKSHOP MANUAL.

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## Guarantee

If this product fails through faulty materials or workmanship, contact our service department directly on: +44 (0) 1926 818186. Normal wear and tear are excluded as are consumable items and abuse.

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## Documents / Resources

	<p><a href="#">LASER JLR V6 Timing Tool Kit</a> [pdf] Instructions JLR V6 Timing Tool Kit, JLR V6, Timing Tool Kit, Tool Kit</p>
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## References

- [LASER Tools | Premier Automotive Hand Tools designed to make easy work of difficult and awkward jobs.](#)
- [LASER Tools 4273 Timing Tool Kit - for JLR V6](#)