

Part No. 7431

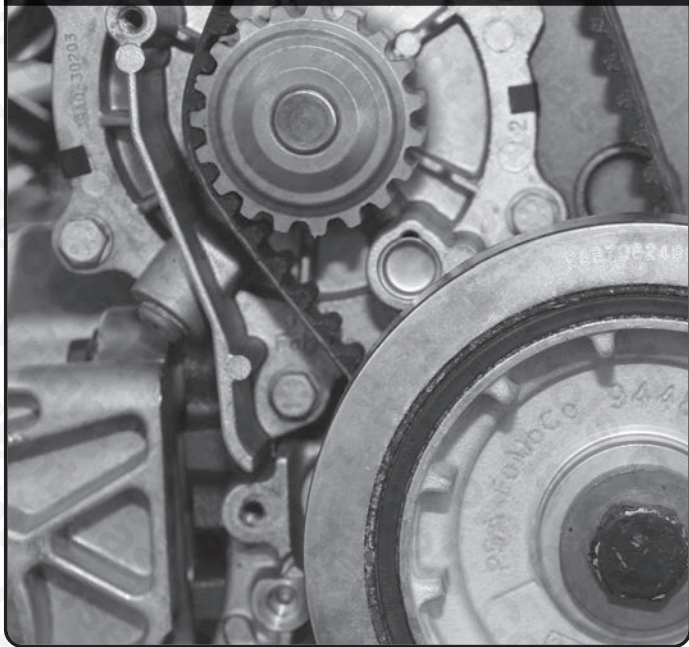
LASER[®]

Instructions

Fuel Pump Locking/Removal Tool



JLR 2.0 Ingenium Diesel Engines



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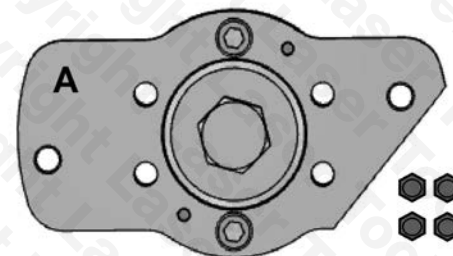
Introduction

Developed specifically for the latest 2.0L diesel engine from JLR, the 7431 tool safely locks the fuel pump sprocket and chain in a fixed position allowing the fuel pump to be removed and replaced without disturbing the timing chain.

NOTE: For engine timing see Part No. 7430.

- Applications: JLR 2.0 Ingenium diesel engines (from 2015), fitted to Land Rover, Discovery Sport, Range Rover & Evoque.
- Equivalent to OEM JLR-303-1627.
- Engine codes include: AJ-200D, 204DT, AJ-200D, AJ200, 204DTD.
- Designed for use with the Laser Timing Tool Kit Part No. 7430.

Components



Ref.	Comp. Code	OEM Ref.	Description
A	C896	JLR-303-1627	Fuel Pump Locking/Removal Tool

Applications

Make, Model, Year					Engine Codes
Jaguar	E-Pace	D150, D180, D240	(X540)	2017 - on	20L AJ-200D/204DT AJ-200D/204DTA
	F-Pace	20d, 25d, E-Performance	(X761)	2016 - on	
	XE	20d, 25d, E-Performance	(X760)	2015 - on	
	XF	20d, 25d	(X260)	2015 - on	
Land Rover	Discovery Sport	eD4, SD4, TD4	(L550)	2015 - 2019	20L AJ200D AJ200/204DTA AJ200/204DTD
	Discovery	Sd4, Td4	(L462)	2017 - on	
	Range Rover Evoque	eD4, SD4, TD4	(L538)	2015 - 2019	
	Range Rover Sport	SD4	(L494)	2016 - 2018	
	Range Rover Velar	D180, D240	(L560)	2017 - on	

Always refer to the website for most up to date applications:
www.lasertools.co.uk/product/7431

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.



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.

Instructions

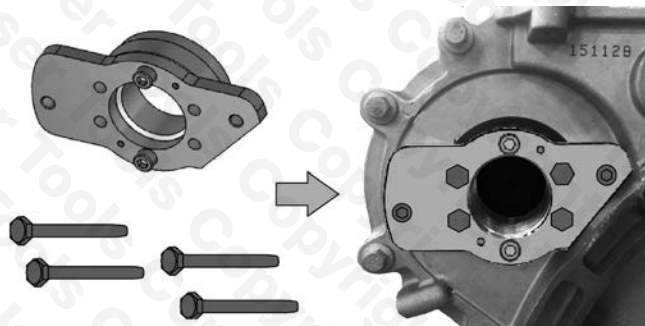
Basic component use:

NOTE: This tool allows the fuel pump to be removed without disturbing the fuel pump drive chain. Do not attempt to remove the pump until it is correctly fitted and do not remove until the pump is refitted.

- Preparation: disconnect fuel pump pipes and electrical connections.
- Remove the fuel pump sprocket access cover from the back of the engine.

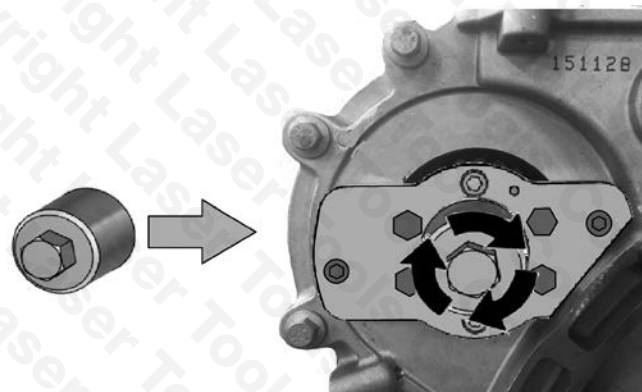
Component A: Fuel Pump Locking/Removal Tool

- Fit the body only of component A as shown using the bolts provided.
- Ensure the 4 x Hex-headed bolts screw completely in to the pump sprocket.
- Remove the fuel pump sprocket fixing bolt.



Instructions

- With Fuel pump fixing bolt removed use the tools centre screw to push the pump out of the sprocket.
- Leave the tool body in place until the pump is refitted.



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



Distributed by The Tool Connection Ltd
Kineton Road, Southam, Warwickshire CV47 0QR
T +44 (0) 1926 815000 F +44 (0) 1926 815888
info@toolconnection.co.uk www.toolconnection.co.uk

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