

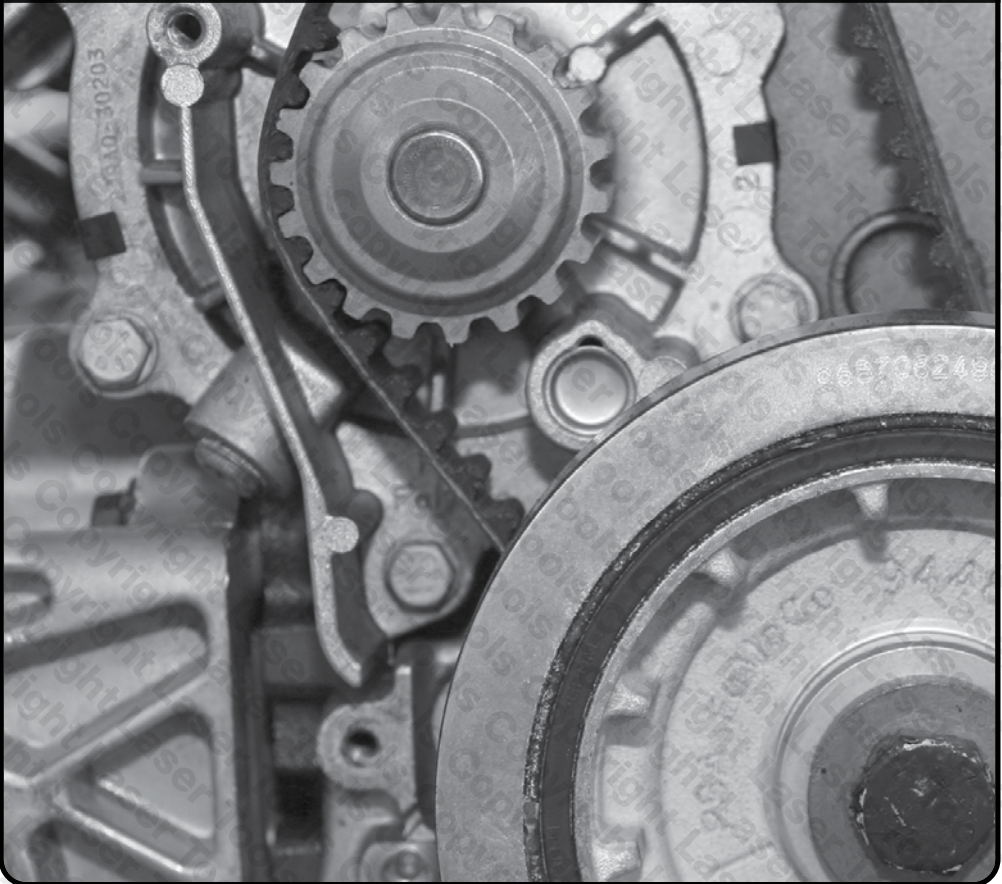
Part No. 6826

LASER[®]

Instructions

Engine Timing Kit

for Renault, Nissan, Mercedes,
Vauxhall/Opel



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

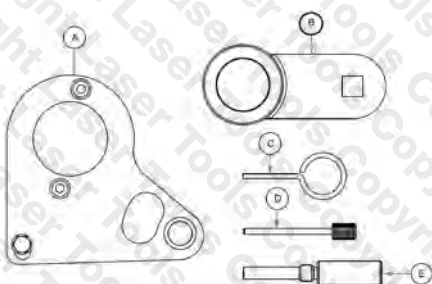
www.lasertools.co.uk

Introduction

Developed specifically for the 1.6 R9M and 1.7 R9N diesel engines fitted across the Renault, Nissan, Vauxhall/Opel and Mercedes-Benz ranges (chain drive). The kit contains all the essential tools required to lock the engine in its "timed" position for safe removal and replacement of the camshaft drive chain.

- Designed for 1.6 R9M/1.7 R9N Renault engine in Renault, Nissan/Mercedes-Benz/Vauxhall models: Renault and Nissan from 2012 onwards, Mercedes and Vauxhall from 2014 onwards.
- Applications: Mercedes C Class, Vito, Renault Megane III & IV, Scenic/Grand Scenic III & IV, Kadjar, Koleos II, Trafic III, Talisman, Espace V, Nissan Qashqai, X-Trail, NV300 and Vauxhall Vivaro-B

Components



Ref.	Code	OEM Ref	Description
A	C783	MOT 1969, EN-51248, 626 589 04 40 00	Camshaft Alignment Tool
B	C490	MOT 1770, EN-48334, 626 589 02 40 00	Crankshaft Pulley Holding Tool
C	C485		Chain Tensioner Pin
D	C488	KM 6130	Auxiliary Belt Tensioner Pin
E	C602	MOT 1970, EN-51241, 626 589 00 15 00	Crankshaft Locking Pin

Applications

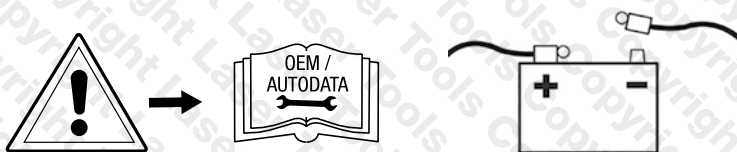
Make, Model, Year			Engine Codes	
Renault	Espace V	2015 - 2018	1,6 CDI/BlueTEC	1,6 dCi
	Fluence	2013 - 2015	622.951 (R9M)	R9M 402
	Kadjar	2015 - on	626.951 (R9M)	R9M 404
	Koleos II	2017 - on		R9M 408
	Megane III	2012 - 2017	1,6 CDTi	R9M 409
	Megane IV	2016 - on	R9M 408	R9M 410
	Scenic/Grand Scenic III	2011 - 2016	R9M 413	R9M 413
	Scenic/Grand Scenic IV	2016 - on	R9M 450	R9M 414
	Talisman	2015 - on	R9M 452	R9M 415
	Trafic III	2014 - on		R9M 450
Nissan	Qashqai/Qashqai+2	2011 - 2014	1,7 dCi	R9M 452
	Qashqai	2014 - 2021	R9N 401	R9M 453
	X-Trail	2014 - on		
	NV300	2016 - on		
Mercedes-Benz	C-Class	2014 - 2018		
	Vito	2014 - on		
Vauxhall	Vivaro-B	2014 - 2019		

Always refer to the website for most up to date applications: www.lasertools.co.uk/product/6826

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.



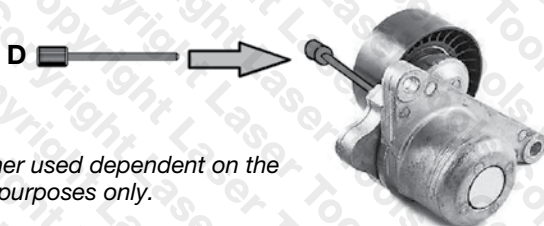
Crankshaft Pulley Holding Tool (B)

Used with a suitable $\frac{1}{2}$ "D ratchet or bar to hold the crank pulley still whilst loosening or tightening the pulley fixing.

Auxiliary Belt Tensioner Pin (D)

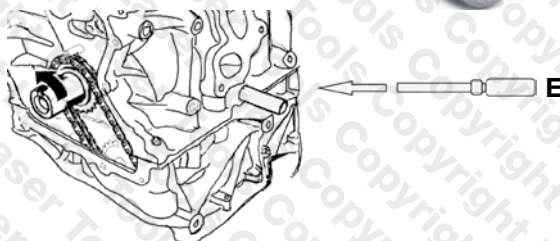
Use pin (D) to lock the auxiliary belt tensioner in its retracted position.

NOTE: There are several designs of tensioner used dependent on the manufacturer, image shown for illustration purposes only.



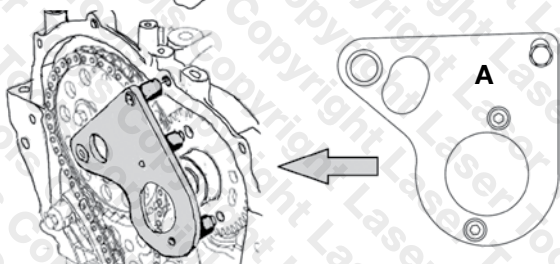
Crankshaft Locking Pin (E)

Use pin (E) to align the crankshaft.



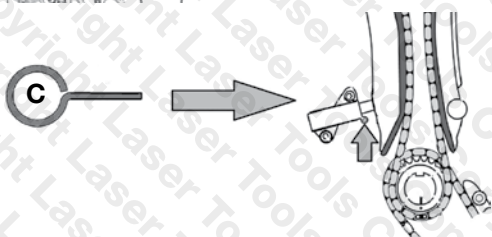
Camshaft Alignment Tool (A)

Use component (A) to align the camshafts.



Chain Tensioner Pin (C)

Used to lock the cam chain tensioner in its retracted position.



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 toolset 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.

6826_Instructions_V4

www.lasertools.co.uk