

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.

7034_Instructions_V1

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.



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7034

Camshaft Drive Chain Wear Indicator BMW/Mini

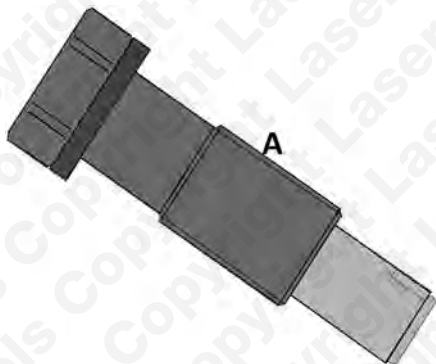
Instructions



The Camshaft Drive Chain Wear Indicator is designed to check the timing chain stretch on the BMW Mini petrol engines listed without dismantling the engine.

An essential diagnostic tool that can save significant time and money. Equivalent to the BMW Mini OEM tool and should be used in the same manner as the original BMW Mini tool.

Components



Ref	Code	OEM	Description
A	C825	2 353 281	Camshaft Drive Chain Wear Indicator

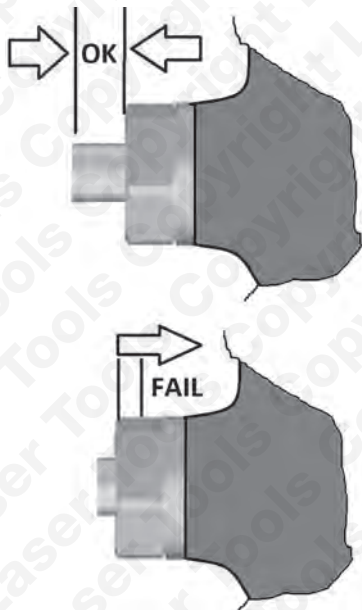
Applications

Make	Model	Type	Years	Variant
Mini	Clubman	(R55)	2007-2014	One/First Cooper Ray Cooper S JCW
	Clubvan	(R55)	2012-2014	
	Countryman	(R60)	2010-2017	
	Coupe	(R58)	2011-2015	
	Mini	(R56/57)	2006-2015	
	Paceman	(R61)	2013-2017	
	Roadster	(R59)	2012-2015	

Engine Code	
1.4	N12 B14AB, N12 B14
1.6	N12 B16A, N16 B16A, N16 B16M0, N16 B16U0, N16 B16A/M0, N16 B16K0, N16 B16A/MO, N18 B16A, N18 B16A/M0, N18 B16C, N18 B16A/MO, N18, N18 B16M0, N18 B16C/TO

5. If the rod falls below the level of the head of the tools outer body the chain has excessive stretch and should be replaced along with associated guides and tensioners.

WARNING: Never start or attempt to run the engine with the tool installed or without the chain tensioner installed.



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

The use of this chain stretch tool is purely down to the user's discretion and The Tool Connection Ltd. cannot be held responsible for any damage caused what so ever.



Warning:

- Always refer to OEM vehicle specific data
- Remove all spark plugs to aid turning of the engine

Where Used

Warning:

- Do not start the engine while the tool is fitted.

Note:

- Ensure the engine timing marks are aligned

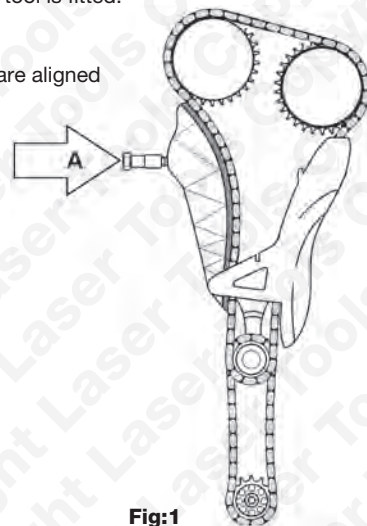


Fig:1

Instructions

Component A:

Used to assess the amount of chain stretch in the camshaft timing chain.

1. Remove the timing chain tensioner and washer from the engine. Fig:1.



2. Screw in component A complete with the spacer ring as shown. Fig:2



Fig:2

3. Tighten to 20Nm
4. Turn the engine 4 complete turns by hand in the normal direction of rotation while watching the spring loaded centre rod of the tool. The centre rod will move in and out as the engine is turned.

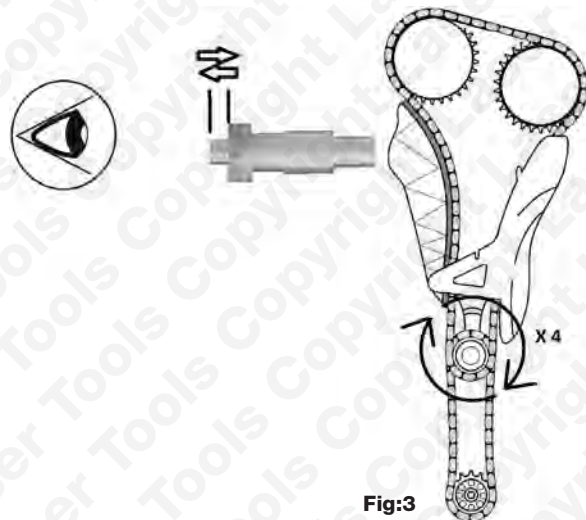


Fig:3

5. If the rod falls below the level of the head of the tool's outer body the chain has excessive stretch and should be replaced along with associated guides and tensioners.