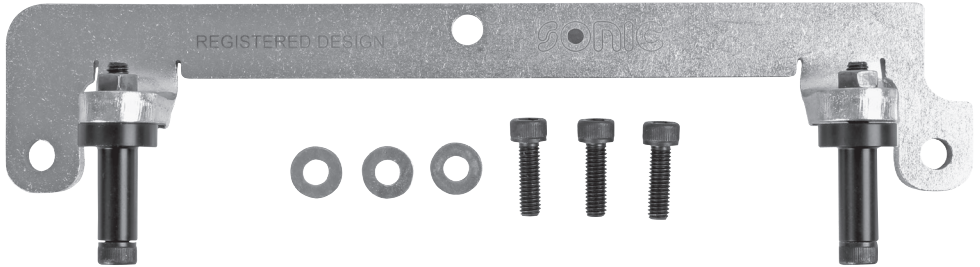


ART NO. 829124



Timing Chain Fitting Bridge

Mercedes-Benz M651 1.8 | 2.1 Diesel



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Description

The Mercedes-Benz M651 1.8 | 2.1 diesel engines can suffer from issues requiring the replacement of the timing chain. The M651 timing chain is at the back of the engine (flywheel end) which makes the replacement of the timing chain difficult.

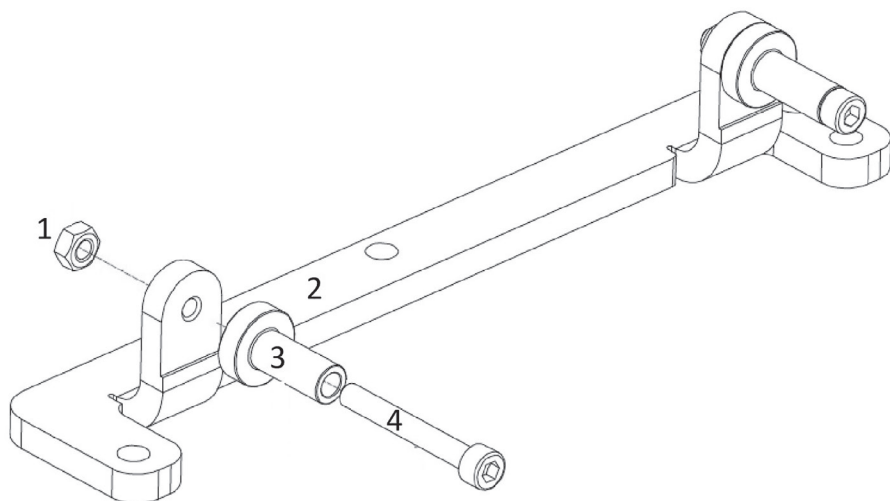
To avoid the need for completely stripping the engine the new chain must be attached to the old chain and “threaded” around the engine sprockets while turning the crankshaft.

The 829124 Timing Chain Fitting Bridge helps guide the new chain into position while the old chain is extracted by maintaining the contact of the new chain with the sprocket.

Note: the 829124 must be used with the cam locking tools found in 829120 M651 engine timing kits.

Designed and manufactured in the UK and subject to a Europe wide registered design.

Plan Layout



Ref	Code	OEM	Description
1	829124	651 587 03 40 00	Spindle Fixing Nut
2			Cam Chain Fitting Bridge
3			Plastic Chain Guide Spindle
4			Spindle Fixing Bolt

N.B. The use of 829124 requires the use of additional engine locking and timing tools not supplied in this kit.

Additional tooling required can be found in 829120 M651 engine timing kits.



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 these engine timing tools is purely down to the user's discretion and Sonic Equipment cannot be held responsible for any damage caused what so ever.

Applications

Make	Model	Year	Type
Mercedes-Benz	A-Class	2012-2015	CDI BlueEFFICIENCY BlueTEC
	B-Class	2012-2015	
	C-Class	2009-2015	
	C-Class Coupe	2011-2016	
	CLA Coupe	2013-2015	
	CLA Shooting Brake	2015-2015	
	CLS	2014-2015	
	E-Class	2009-2016	
	E-Class Coupe/Cabriolet	2009-2016	
	GLA	2014-2015	
	GLK	2008-2015	
	M-Class	2011-2016	
	S-Class	2010-2016	
	SLK	2012-2015	
	Sprinter	2009-2016	
	V-Class	2014-2015	
	Viano	2010-2015	
	Vito	2010-2015	

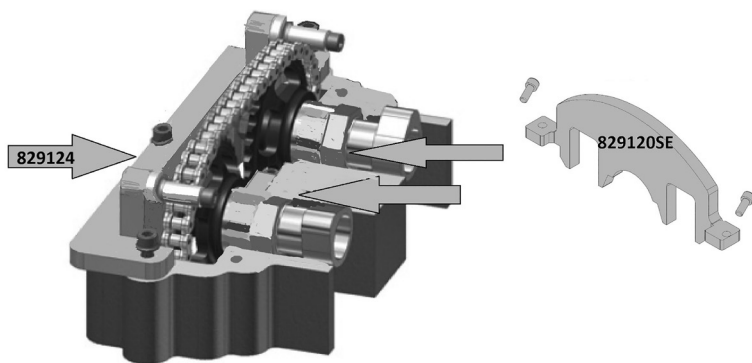
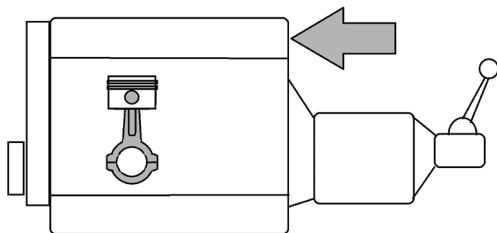
Engine Size	Engine Code
1.8	651.901
2.1	651, 651.9, 651.91, 651.911, 651.912, 651.913, 651.916, 651.921, 651.922, 651.924, 651.925, 651.93, 651.93, 651.94, 651.95, 651.955, 651.956, 651.957, 651.96, 651.961

Instructions

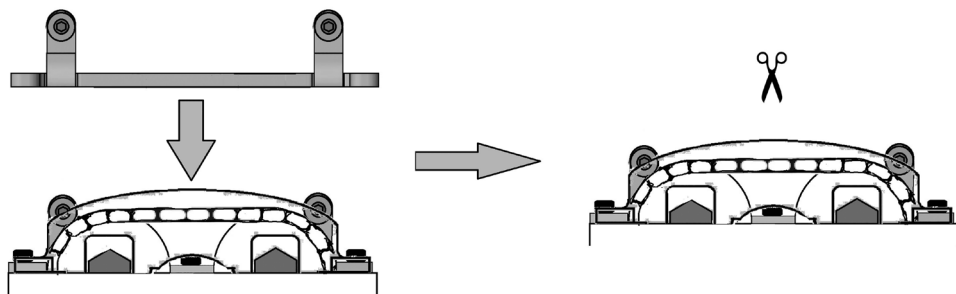
- Following relevant kit instructions fit the camshaft locking tools from 829120 (supplied separately).
- With the camshafts locked in position remove the cam chain tensioner and loosen the sprockets but do not remove them (N.B. Camshaft Fitting Bolts have a left hand thread).
- Separate the timing chain between the camshaft sprockets using an appropriate chain splitting tool.
- Fit new chain sprockets and lay the old chain back on to the new sprockets, hand tighten sprockets enough to still allow the sprockets to turn separate of the camshafts.
- Fit the 829124 cam chain bridge as shown ensuring the old chain is held in contact with both loosened sprockets.
- Attach the new chain to the old chain using an appropriate temporary link.
- Gently turn the crankshaft in the normal direction of rotation while feeding the new chain in and pulling the old chain out.
- Disconnect the old chain and close the new chain using appropriate chain riveting tools.
- Check alignment of the crankshaft and camshafts before tightening the camshaft sprockets and reassembling the engine.

N.B. The camshaft locking tools must be left in place to ensure only the sprockets turn while fitting the new chain.

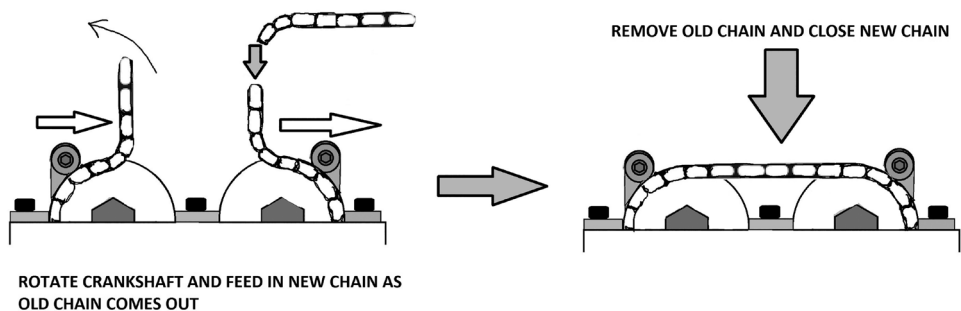
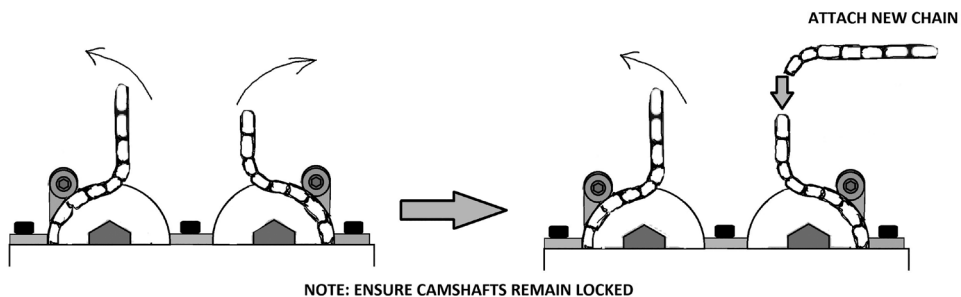
Instructions



*Cam blocks not included in 829124, see 829120.



Instructions



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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.