

Applications

Make	Model	Year	Types
Fiat	Brava	1998-2002	16V Turbo 120 Turbo 120 LPG LPG Turbo T-Jet 120 T-Jet T-Jet 120 T-Jet 120 T-Jet 120 LPG T-Jet 150 16V Abarth Abarth Esseesse Bi-Fuel LPG
	Marea	1998-2000	
	Bravo	2000-2002	
	Idea	2004-2012	
	Patio Weekend	2001-2006	
	Punto/Punto Classic	1997-2008	
	Bravo	2007-2014	
	Doblo	2010-2016	
	Doblo Cargo	2010-2016	
	Linea	2007-2011	
	Ritmo	2008-2010	
	Grande Punto	2006-2010	
	500/500C	2007-2016	
	Panda/Panda Classic	2006-2011	
	Idea	2004-2012	
	500L	2012-2016	
Lancia	Punto/Punto Classic	2003-2006	
	Stilo	2004-2008	
	Stilo	2001-2004	
	Ypsilon	1996-2006	
Alfa Romeo	Musa	2004-2013	16V Turbo 120 Turbo 120 LPG LPG Turbo T-Jet 120 T-Jet T-Jet 120 T-Jet 120 T-Jet 120 LPG T-Jet 150 16V Abarth Abarth Esseesse Bi-Fuel LPG
	Ypsilon	2003-2011	
Chrysler	Delta	2008-2015	
	Delta	2011-2014	

Engine Code

1.2	182B2.000, 188A5.000, 176B9.000
1.4	198A4.000, 198A1.000, 199A6.000, 199A8.000, 955A1.000, 169A3.000, 192B2.000, 843A1.000

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by Sonic for incorrect use of any of our products, and Sonic 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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Instructions

Engine Timing Kit

Fiat T Jet petrol - 1.2, 1.4



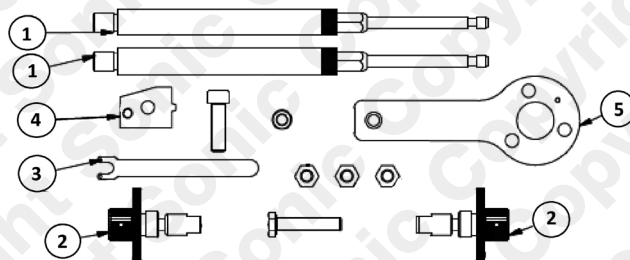
829019 - Engine Timing Kit

Description:

The 829019 has been developed to lock the cam and crankshaft in position to allow the removal and replacement of the timing belt fitted to the 1.2/1.4 T-Jet Fiat petrol engines.

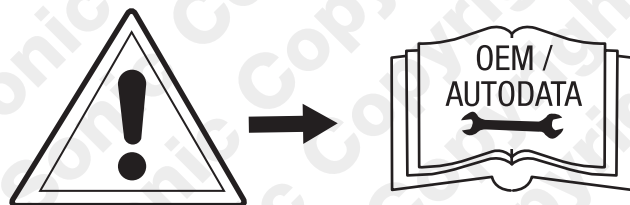
Components

Ref	Comp	OEM	Description
1	4880182	1 860 992 000	Piston Height Gauge x2 (1.2 engines)
2	4880183	1 860 985 000, 1 871 000 900	Camshaft Alignment Tool Assy. x2
3	4880184	1 860 987 000	Tension Wrench
4	4880233	2 000 015 800	Camshaft Pulley Lock Assembly
5	4880006	2 000 004 500	Crankshaft Alignment Tool

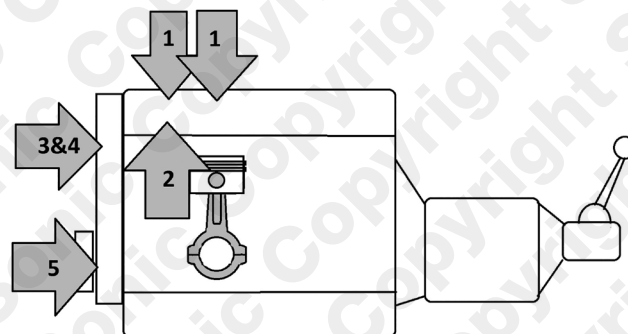


Instructions

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



Instructions

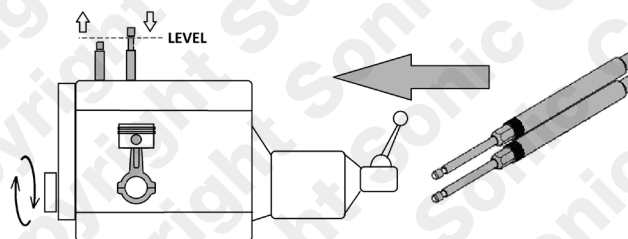


- Align all timing marks as described by OEM instructions.

Components 1 - Piston Height Gauge x2

Components 1 are used on the 1.2 engines to align the pistons at ½ way (90 degrees BTDC).

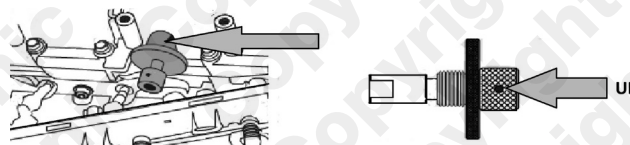
Insert in place of the spark plugs from piston 1 and 2 or 3 and 4 according to OEM instructions.



Components 2 - Camshaft Locking tools x 2

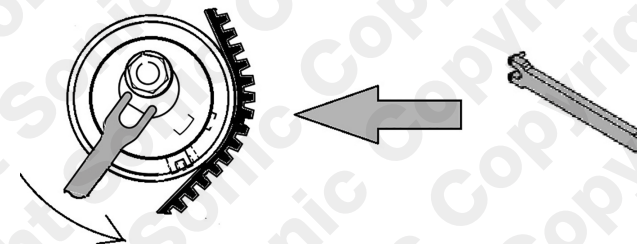
Components 2 are used to lock the camshafts in their timed position as shown.

NB - Never loosen or tighten the camshaft sprockets against these tools or damage will occur.



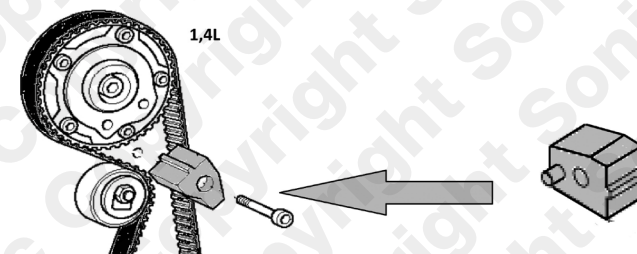
Component 3 - Tension Wrench

Used to adjust the camshaft drive belt tension by turning the tensioner.



Component 4 - Camshaft Pulley Lock Assembly

Component 4 is used as shown to lock the camshaft pulley to enable the pulley fixing to be loosened without straining the belt or camshaft timing tools.



Component 5 - Crankshaft Alignment Tool

Component 5 is used to lock the crankshaft in its timed position. It fits to the crankshaft after the front pulley has been removed.

