

Applications

Make	Model	Year
Alfa Romeo	147	2001-2010
	156	2001-2008
	159	2005-2012
	166	2001-2008
	Brera	2005-2011
	Crosswagon	2004-2008
	Giulietta	2010-2015
	GT	2004-2010
	Mito	2008-2016
Fiat	Spider	2006-2011
	500L	2013-2016
	Bravo II	2007-2015
	Croma	2005-2011
	Doblo/ Cargo	2002-2016
	Ducato	2011-2014
	Freemont	2011-2014
	Idea	2004-2012
	Linea	2008-2011
	Multipla	1999-2011
	Grande Punto	2005-2010
	Punto/ Evo	1999-2014
	Sedici	2006-2013
Stilo	2004-2008	
Lancia	Delta III	2008-2014
	Lybra	2001-2007
	Musa	2008-2012
	Thesis	2002-2009
Chrysler	Delta	2011-2015
Vauxhall	Astra-H	2004-2011
	Astra-J	2010-2015
	Combo-D	2012-2014
	Insignia	2008-2015
	Signum	2004-2008
	Vectra-C	2005-2008
	Zafira-B	2005-2014
Zafira-C	2011-2015	
Saab	9-3	2004-2012
	9-5	2005-2012

Engine Code	
1.6 JTDm	940A3.000, 955A3.000, 955A4.000, 198A2.000, 198A3.000, 198A6.000, 199B5.000, 263A3.000, 263A4.000, 263A5.000, 350A2.000, 350A3.000, 955A3.000, 955A4.000, 198A2.000, 350A2.000, 350A3.000, 944A3.000, 955A4.000, 198A2.000, A16FDL (DT), A16FDH (DTH)
1.9 JTD/m 8V	371.01, 182B9.000, 937A2.000, 937A3.000, 939A1.000, 939A7.000, 939A8.000, 182B4.000, 182B9.000, 186A6.000, 186A8.000, 186A9.000, 188A2.000, 188A3.000, 188A7.000, 188B2.000, 192A1.000, 192A3.000, 192A8.000, 192A9.000, 192B4.000, 192B5.000, 199A5.000, 223A7.000, 223B1.000, 939A1.000, 939A7.000, D19AA, 371.01, 937A2.000, Z19DT, Z19DTL
1.9 JTD/m 16V	192A5.000, 192B1.000, 937A4.000, 937A5.000, 937A6.000, 939A2.000, 192A5.000, 192B1.000, 937A4.000, 937A5.000, 939A2.000, 939A8.000, 844A1.000, Z19DTH, Z19DTJ, Z19DT, Z19DTH, Z19DTR, A19DTR
2.0 JTDm 16V	844A2.000, 939B3.000, 939B4.000, 940A4.000, 940A5.000, 940A7.000, 940A8.000, 198A5.000, 250A1.000, 263A1.000, 844A2.000, 940A5.000, D20AA, 198A5.000, 844A2.000, 844A3.000, 198A5.000, (LBQ) A20DTL, (LBR) A20DT, (LBS) A20DTH, (LBY) A20DTJ, (LBY) A20DTR, (LCB) A20DTC, (LHZ) A20FD, (LBS) A20DTH, (LBY) A20DTR
2.4 JTD 10V	362.02, 839A6.000, 841C.000
2.4 JTD 20V	841G.001, 841H.001, 841M.001, 9368.001, 939A3.001, 939A9.001, 939A3.000, 841G.001, 841H.001, 841M.001, 841N.001, 841P.001

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.

SONIC

equipment

Instructions

Engine Timing Kit

Fiat, Opel, Saab JTD Diesel - 1.6, 1.9, 2.0, 2.4

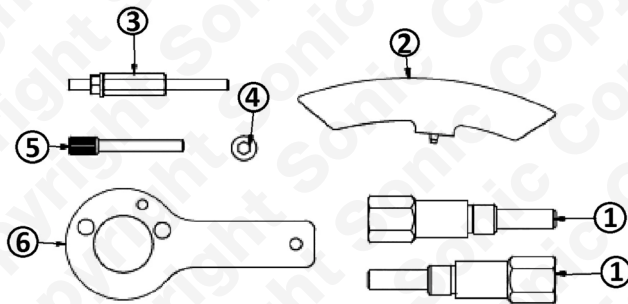


829015 - Engine Timing Kit

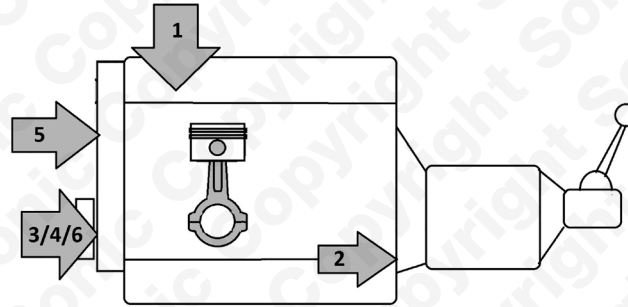
Description:
The 829015 Engine Timing Kit has been put together to provide the essential crankshaft and cam shaft timing pins only for the Fiat/Opel JTD Diesel engines found across the Fiat, Opel, Saab ranges.

Components

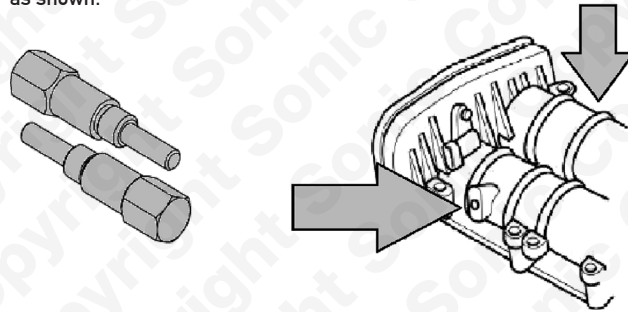
Ref	Comp	OEM	Description
1	4880188	1.870.896.900, EN-46789, 32 025 008	Camshaft Alignment Pins
2	4880136	1.860.898.000	Flywheel Locking Tool
3	4880137		Stud Assembly For 6
4	4880218		Bolt For 6
5	4880091	1.860.965.000	Fuel Pump Alignment Pin
6	4880187	1.860.905.000, 1.860.905.010, 2.000.003.000, EN-46788, 32 025 009	Crankshaft Alignment Tool



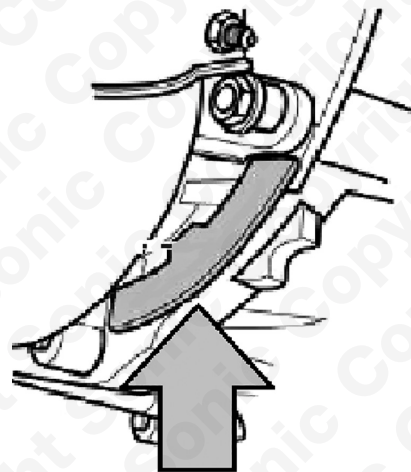
Instructions



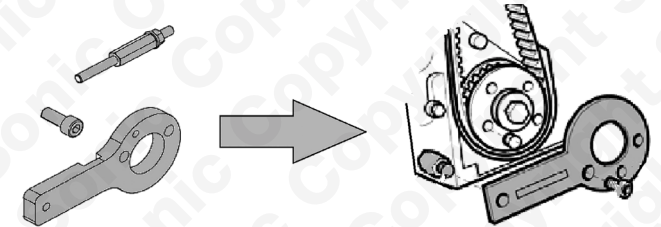
Component Descriptions:
Components 1 - Camshaft Alignment Pins X 2
Components 1 are used to lock the camshafts in their timed position as shown.



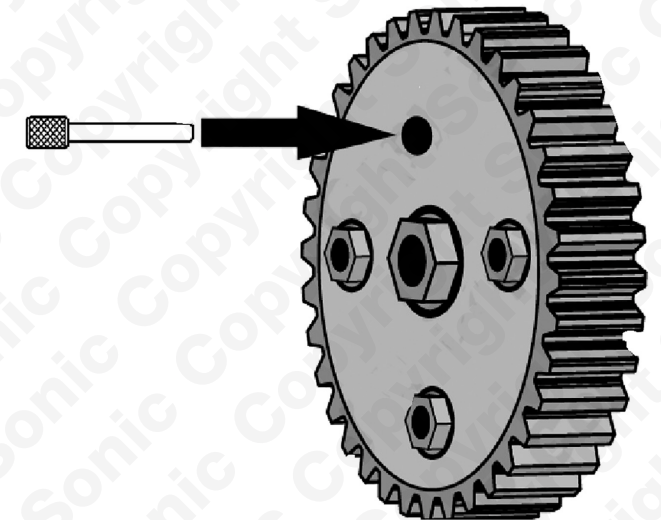
Component 2 - Flywheel Holding Tool
Component 2 is used to lock and hold the flywheel while loosening or tightening the front pulley fixing bolt.



Components 3, 4 & 6 - Crankshaft Timing Tool
Use components 3, 4 and 6 to hold the crankshaft in its timed position.



Component 5 - Fuel Pump Timing Pin
Component 5 is used to set the fuel pump pulley in its timed position.



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.

