

Applications

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

SONIC

equipment

Instructions

Engine Timing Kit

Fiat T Jet petrol - 1.2, 1.4



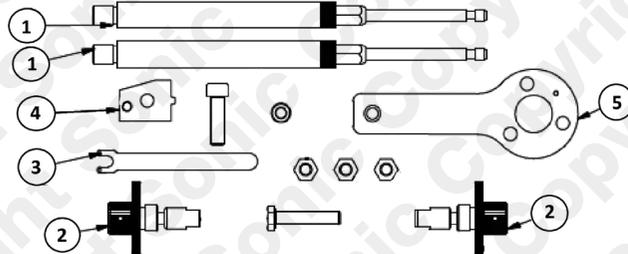
829019 - Engine Timing Kit

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.

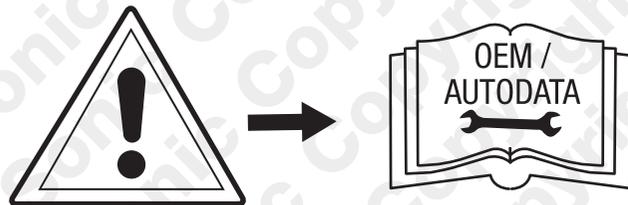
Components

| 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 |

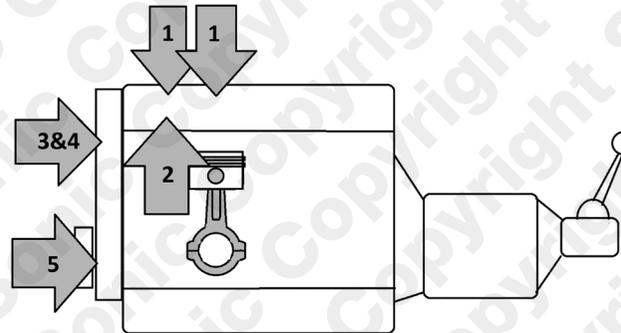


Instructions

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

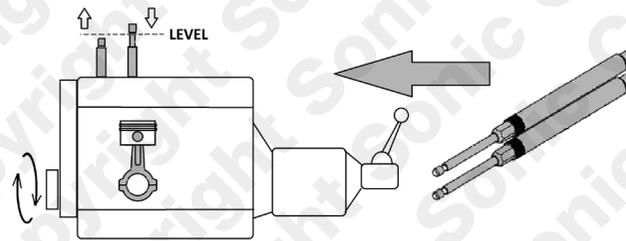


- Align all timing marks as described by OEM instructions.

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).

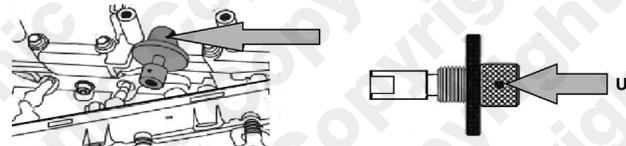
Insert in place of the spark plugs from piston 1 and 2 or 3 and 4 according to OEM instructions.



Components 2 - Camshaft Locking tools x 2

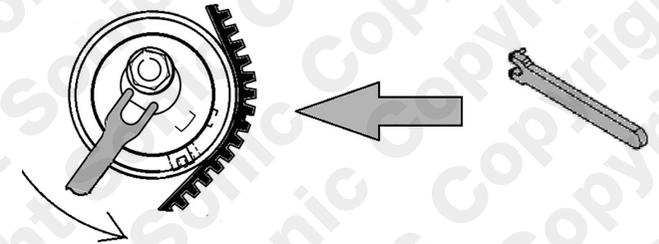
Components 2 are used to lock the camshafts in their timed position as shown.

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



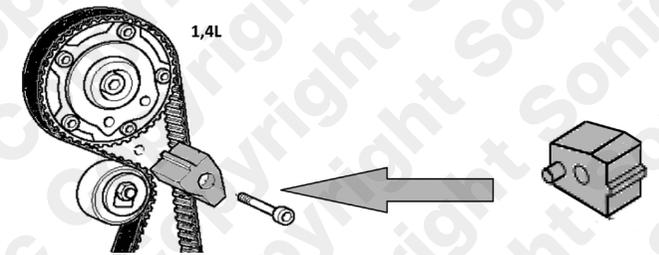
Component 3 - Tension Wrench

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.

