



APPLICATION GUIDE FOR: ENGINE

TIMING KIT

16172



This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all information before operating product.

This guide has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains necessary information to ensure its correct and safe use. By following the information contained in this guide, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this guide are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure the accuracy of information contained in this guide, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

1. TITLE PAGE

1.1 INTRODUCTION:

USER GUIDE FOR: Engine Timing Kit

Stock No: 16172

Part No: ETK130

1.2 REVISIONS:

Date first published June 2018.

As our user manuals are continually updated, users should make sure that they use the very latest version.

Downloads are available from: <http://drapertools.com>

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1.3 UNDERSTANDING THIS GUIDES SAFETY CONTENT:

WARNING! – Information that draws attention to the risk of injury or death.

CAUTION! – Information that draws attention to the risk of damage to the product or surroundings.

1.4 COPYRIGHT © NOTICE:

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3. GUARANTEE

3.1 GUARANTEE

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact:

Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England.

Telephone Sales Desk: (023) 8049 4333 or:

Product Helpline (023) 8049 4344.

A proof of purchase must be provided.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee period covering parts/labour is 12 months from the date of purchase except where tools are hired out when the guarantee period is 90 days from the date of purchase. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

Note: If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the guarantee period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights.

Draper Tools Limited.

4. GENERAL PRODUCT INFORMATION

This product is designed to be used correctly and with care for the purpose for which it is intended. No liability is accepted by Draper Tools Limited for incorrect use or application of any of our products, and Draper Tools Limited cannot be held responsible for any damage to personnel, property or equipment when using this product. Incorrect use will also invalidate any warranty.

The applications database and any instructional information provided has been designed to offer general guidance for a particular product'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 product and information prior to use.

5. HEALTH AND SAFETY INFORMATION

GENERAL SAFETY INSTRUCTIONS

Warning: Please read all safety warnings and all details carefully. Failure to follow the warnings may result in serious injury or major component damage.

Important: Draper Tools recommends that this product should not be modified or used for any application other than that for which it was designed.

Save all warnings and instructions for future reference.

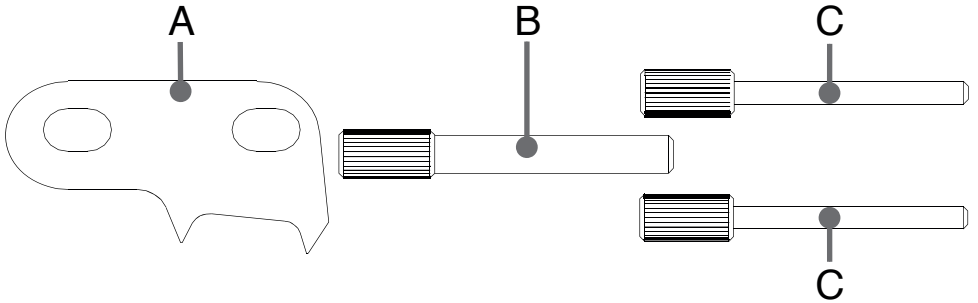
1) Personal safety

- a) Stay alert, watch what you are doing and use common sense when using this product. Do not use this product while you are tired or under the influence of drugs, alcohol or any medication. A moment of inattention while using this product may result in serious personal injury.
- b) Use personal protective equipment as necessary.
- c) Check and remove any part of the product before turning/testing the engine. A part left attached to a rotating part of the engine may result in personal injury or major component damage.
- d) Carefully clean the tool components after every use.
- f) Keep the tool components safe and tidy.
- g) Do not use this product for any purpose other than for which it is designed.

Warning! Some of the packaging materials used may be harmful to children. Do not leave any of these materials in the reach of children.

If any of the packaging is to be thrown away, make sure it is disposed of correctly; according to local regulations.

6. CONTENTS



ITEM	DESCRIPTION	OEM	STOCK No.
A	Flywheel Locking Tool	11.9.850	23373
B	Locking Pin	11.9.790	23385
C	2x Locking Pin	11.0.300	23510

7. APPLICATION

The **16172** has been developed as an **engine timing kit** for the vehicles listed below. The locking pins enable the user to lock the camshaft and crankshaft in the 'timed' position allowing the timing belt to be replaced.

Used on the following Vehicles:

Mini Clubman 2007 - 2010 (R55) Cooper D
Mini Mini 2007 - 2010 (R56/57) One D
Citroen Berlingo 2008 - 2017
Citroen Berlingo III 2010 - 2016
Citroen Berlingo I/II 2005 - 2011
Citroen C3 I/II 2002 - 2010
Citroen C3 III 2010 - 2015
Citroen C3 Picasso 2009 - 2015
Citroen C4 Aircross 2012 - 2017
Citroen C4 Cactus 2014 - 2017
Citroen C4 II 2011 - 2015
Citroen C4 Picasso/Grand Picasso 2010 - 2013
Citroen C4 Picasso/Grand Picasso II 2013 - 2015
Citroen C5 III 2009 - 2015
Citroen C-Elysee 2012 - 2015
Citroen Dispatch/Jumpy III 2011 - 2016
Citroen DS3/DS3 Cabrio 2009 - 2015
Citroen DS4 2011 - 2015
Citroen DS5 2012 - 2015
Citroen Nemo 2008 - 2010
Citroen Xsara Picasso 2004 - 2010
Peugeot 2008 2013 - 2017
Peugeot 206 /CC / + 2004 - 2013
Peugeot 207 / CC / + 2010 - 2015
Peugeot 208 2012 - 2017
Peugeot 301 2012 - 2017
Peugeot 307 2004 - 2008
Peugeot 308 / CC 2009 - 2017
Peugeot 3008 2010 - 2016
Peugeot 4008 2012 - 2017
Peugeot 5008 2010 - 2017
Peugeot 508 2011 - 2017
Peugeot Expert III 2011 - 2016
Peugeot Partner I/II/III 2005 - 2017

Engine Codes:

1.4cc

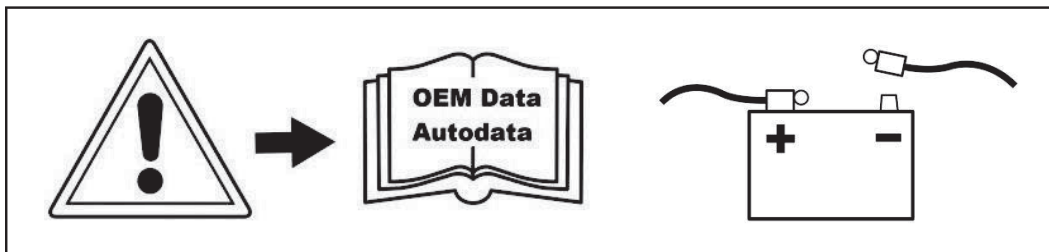
8HS (DV4TED), 8HP (DV4C), 8HR (DV4C), DV4C (8HR), DV4C (8HP)

1.6cc

W16 D16 (9HZ), W16 D16U0, 9HF (DV6DTED), 9HP (DV6DTED), 9HE (DV6DTED),
9HX (DV6ATED4), 9HC (DV6CTED), 9HD (DV6CTED), 9HR (DV6CTED), (DV6EU),
9HG (DV6CM), 9HJ (DV6DTED), 9HK (DV6ETED), 9HL (DV6CTED), 9HN (DV6ETED),
9HW (DV6BTED4), 9HY (DV6TED4), 9HZ (DV6TED4), 9HD (DV6C), 9HR (DV6C), 9HP (DV6D),
9HL (DV6C), 9HC (DV6C), 9HJ (DV6DM), DV6DM (9HJ), DV6DTED (9HP), DV6TED4 (9HV),
DV6CTED (9HR), DV6CTED (9HL), DV6DTED (9HJ), DV6ETED (9HK), DV6ETED (9HN),
DV6EU, DV6TED4 (9HW), DV6TED4 (9HX), 9HP (DV6DTED4), 9HH (DV6DU), 9HM (DV6UC),
DV6FC (BHX), DV6FC (BHZ), DV6FD (BHY), DV6FE (BHW), DV6C (9HC), DV6C (9HD),
DV6D (9HP), DV6ATED4 (9HX), DV6TED4 (9HY), DV6TED4 (9HZ), DV6C (9HR),
DV6TEDM (9HJ), DV6ETEDM (9HK), DV6FD, DV6CM (9HG), DV6C (9HL), DV6DU M (9HH),
DV6UC (9HM), DV6DTED (9HE), DV6DTED (9HF), DV6CTED (9HC)

8. PREPARATION

The following is for guidance only. Please refer to OEM derived data such as the vehicle manufacturer's own data or Autodata. The use of this product is purely down to the user's discretion and Draper Tools Limited cannot be held responsible for any damage caused what so ever.



9. PROCEDURE AND APPLICATION GUIDE

Depending on manufacture and model, some engine components do change. Please check with Autodata or the manufacturer's data before use.

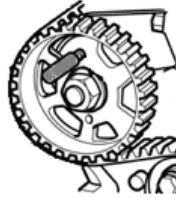
CRANKSHAFT PULLEY & FUEL PUMP ALIGNMENT PIN B/C

Use one of component (2) to align the crankshaft via the crankshaft pulley. Once the pulley is aligned the flywheel alignment pin 3 can be fitted.

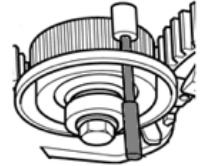
Component (2) is also used to align the fuel pump pulley. Component 4 is used to lock the fuel pump pulley on the 1.6 Blue Tech engines.

NB: do not attempt to torque any fixing against components (2). Always use appropriate pulley holding tools. Use component 5 to lock the flywheel.

FUEL PUMP



CRANKSHAFT

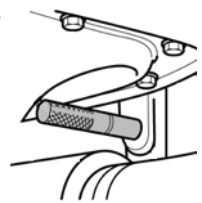
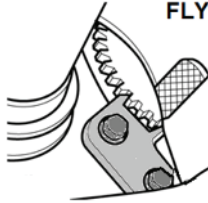


FLYWHEEL ALIGNMENT PIN & LOCKING TOOL A/B

Component (3) is used to lock the flywheel in its timed position.

NB: do not attempt to torque any fixing against components (3). Always use appropriate pulley holding tools.

FLYWHEEL



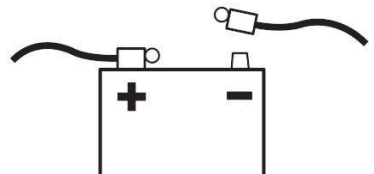
CAMSHAFT ALIGNMENT PIN B/C

Component (1) is used to lock and hold the belt driven Camshaft pulley in its timed position

CAMSHAFT



Please note images are for guidance only and subject to change.



10. EXPLANATION OF SYMBOLS

10.1 EXPLANATION OF SYMBOLS



Read the guide.



Refer to website.

CONTACTS

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Sales Desk: (023) 8049 4333

Internet: drapertools.com

E-mail: sales@drapertools.com

General Enquiries: (023) 8026 6355

Service/Warranty Repair Agent:

For aftersales servicing or warranty repairs, please contact the
Draper Tools Helpline for details of an agent in your local area.

YOUR DRAPER STOCKIST

CMDB0618

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