



## APPLICATION GUIDE FOR: ENGINE

# TIMING KIT

19356



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

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## 1.1 INTRODUCTION:

**USER GUIDE FOR: Engine Timing Kit**

**Stock No: 19356**

**Part No: ETK280**

## 1.2 REVISIONS:

**Date first published June 2018.**

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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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**General Fax:** +44 (0) 23 8026 0784

## 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

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### 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

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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

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### 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.**

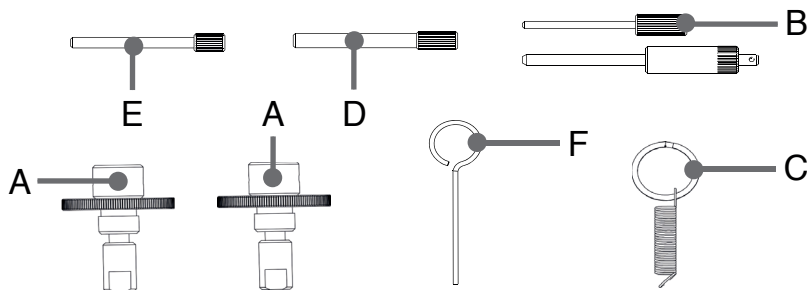
#### 1) Personal safety

- 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	2x Camshaft Locking Tools	1.871.000.900	35773
		EN-46781	
		09917-68610	
B	Chain Tensioner Retaining Pin	KM-955	35774
C	Crankshaft Locking Pin / 6mm Pin	EN-46785	35776
D	8mm Pin	8mm Pin = MPW / 500X / Tipo	35777
E	6mm Pin	6mm Pin = All Other Models	35779
		09912-38300	
F	Auxilliary Belt Tensioner Pin	N/A	35781

## 7. APPLICATION

The **19356** has been developed as an **engine timing kit** for the vehicles listed below. Allows the user to lock the engine in the 'timed' position to allow the timing chain to be removed or replaced.

### Used on the following Vehicles:

Vauxhall/Opel Agila/B 2003 - 2010  
Vauxhall/Opel Astra-H/J 2004 - 2015  
Vauxhall/Opel Combo-C/D 2003 - 2016  
Vauxhall/Opel Corsa-C/D 2003 - 2014  
Vauxhall/Opel Doblo 2004 - 2015  
Vauxhall/Opel Doblo Cargo 2004 - 2016  
Vauxhall/Opel Doblo Work Up 2011 - 2016  
Vauxhall/Opel Meriva-A/B 2003 - 2015  
Vauxhall/Opel Musa 2004 - 2013  
Vauxhall/Opel Tigra-B 2004 - 2010  
Vauxhall/Opel Ypsilon 2003 - 2015  
Vauxhall/Opel Zafira-B/Zafira 2006 - 2010  
Fiat 500X/500L Living/500L MPW 2012 - 2015  
Fiat Idea 2004 - 2012  
Fiat Linea 2007 - 2016  
Fiat Panda/Panda Classic 2003 - 2013  
Fiat Punto 2012 - 2016  
Fiat Punto Evo 2009 - 2012  
Fiat Punto/Punto Classic 2003 - 2011  
Fiat Qubo 2008 - 2017  
Fiat Strada Pick-up 2006 - 2016  
Ford Ka 2008 - 2015  
Chevrolet Aveo 2011 - 2015  
Lancia Fiorino 2008 - 2017  
Lancia Grande Punto 2005 - 2012  
Peugeot Bipper 2010 - 2016  
Subaru Justy G3X 2004 - 2009  
Suzuki Ignis 2003 - 2009  
Suzuki Splash 2008 - 2011  
Suzuki Splash 2010 - 2014  
Suzuki Swift 2004 - 2015  
Suzuki Wagon R+ 2003 - 2008

### Engine Codes:

1.3cc

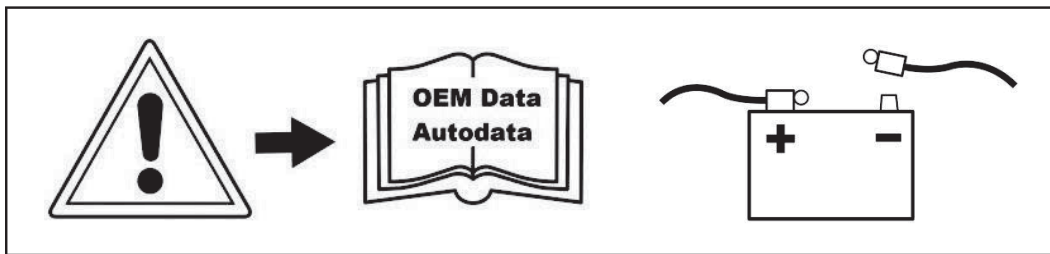
55266963, 169A1.000, 169A1.000 (FD4) / BAAA/B, 169A5.000, 188A8.000, 188A9.000, 199A2.000, 199A3.000, 199A9.000, 199B1.000, 199B2.000, 199B4.000, 199B8.000, 223A9.000, 225A2.000, 263A2.000, 263A6.000, 312A8.000, 312B1.000, 312B2.000, 330A1.000, 843A2.000, A13DTC, A13DTE, A13DTR, D13A, D13A, D13AA, LDV/A13DTC, LN9/A13DT (263A2.000), LSF/A13DTC, LSF/A13DTE, LSF/A13DTR, Y13DT, Z13DT, Z13DT, Z13DTE, Z13DTH, Z13DTI, Z13DTJ, Z13DTJ, Z13DTR



## 8. PREPARATION

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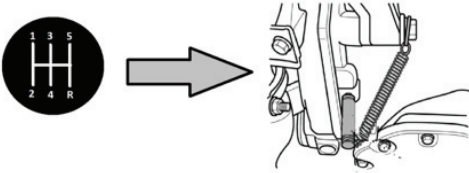
The following is for guidance only. Please refer to OEM derived data such as the vehicle manufacturer's own data or Autodata. The use of this product is purely down to the user's discretion and Draper Tools Limited cannot be held responsible for any damage caused what so ever.



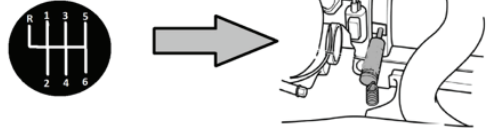
# 9. PROCEDURE AND APPLICATION GUIDE

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

## Crankshaft Alignment PIN (C)

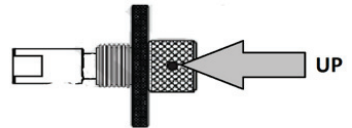
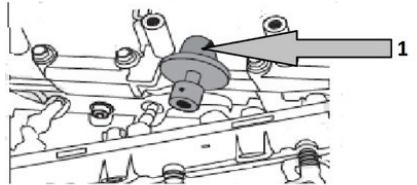


## Crankshaft Setting Pin (D) Used on Fiat engines.



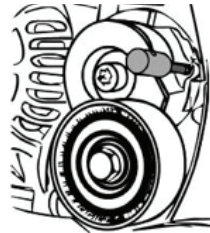
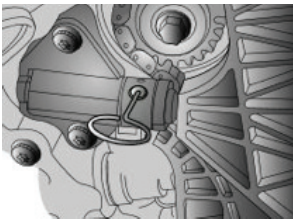
## Camshaft Alignment Tool (A)

Access must first be gained to the blanking plugs that are positioned one on the front of the cam cover and one on the rear of the cam cover. Lift the high pressure fuel rail and engine wiring harness to gain access. Remove the blanking plugs and screw the locking tools into place with the flats on the inner section of the tools horizontal. The tools are correctly fitted when the inner section of the tools can be easily pushed in with finger pressure.

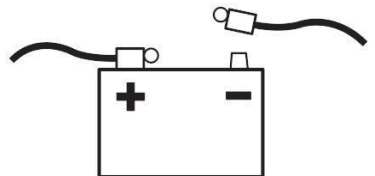


## Tensioner locking pins B+E+F

B+E+F Are used in the timing tensioner or the poly V-belt tensioner to hold them in there retracted positions



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



# 10. EXPLANATION OF SYMBOLS

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## 10.1 EXPLANATION OF SYMBOLS



Read the guide.



Refer to website.

## CONTACTS

Draper Tools Limited, Hursley Road,  
Chandler's Ford, Eastleigh, Hampshire. SO53 1YF. U.K.

Helpline: (023) 8049 4344

Sales Desk: (023) 8049 4333

Internet: [drapertools.com](http://drapertools.com)

E-mail: [sales@drapertools.com](mailto: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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