



APPLICATION GUIDE FOR: ENGINE

TIMING KIT

19130



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: 19130

Part No: ETK235

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.

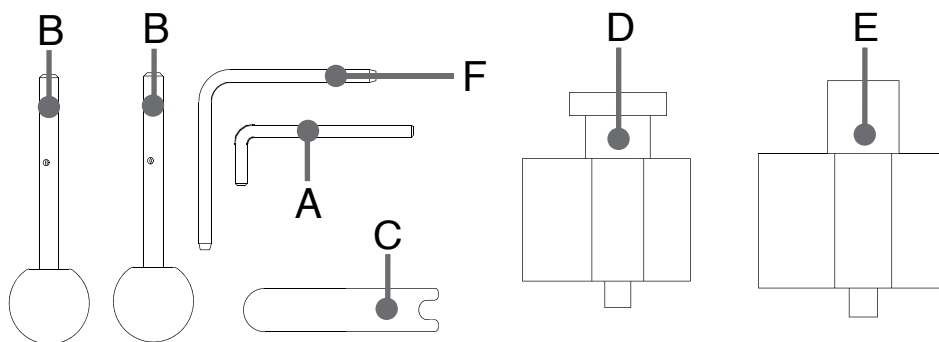
1) Personal safety

- 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	3mm Setting Pin	T10115	35558
B	Injection Pump Timing Pin	3359	35559
C	Tension Tool	T10008	35561
D	Crankshaft Locking Tool	T10050	35562
E	Crankshaft Alignment Tool	T10100	35563
F	Tensioner Pin	T10060	35564

7. APPLICATION

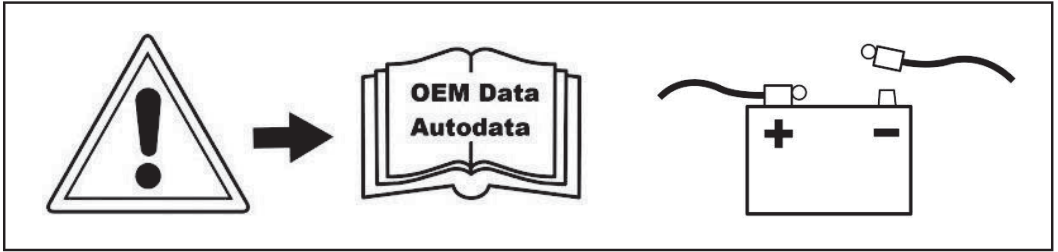
The **19130** has been developed as an **engine timing kit** for the vehicles listed below. Comprehensive kit covering a wide range of the VAG group of vehicles. Enables the user to lock the engine in the 'timed' position so the timing belt can be replaced. The kit comprises of camshaft locking pins, fuel pump locking pin and crankshaft locking plates.

Used on the following Vehicles:

Audi A1 2010 - 2015	Volkswagen Amarok 2010 - 2016
Audi A2 2000 - 2006	Volkswagen Beetle 2000 - 2015
Audi A3 2001 - 2013	Volkswagen Bora 1998 - 2005
Audi A4 1999 - 2016	Volkswagen Caddy 2003 - 2015
Audi A5 2008 - 2015	Volkswagen CC 2012 - 2017
Audi A6 1998 - 2015	Volkswagen Crafter 2011 - 2017
Audi Q3 2011 - 2015	Volkswagen Eos 2006 - 2015
Audi Q5 2008 - 2016	Volkswagen Fox 2005 - 2011
Audi TT 2008 - 2014	Volkswagen Golf 1998 - 2015
Seat Alhambra 1999 - 2015	Volkswagen Jetta 2005 - 2016
Seat Altea 2004 - 2015	Volkswagen Lupo 1999 - 2005
Seat Arosa 1999 - 2005	Volkswagen Lupo 2000 - 2005
Seat Cordoba 2002 - 2009	Volkswagen Passat 1998 - 2015
Seat Exeo 2009 - 2013	Volkswagen Polo 1999 - 2014
Seat Ibiza 2000 - 2015	Volkswagen Scirocco 2008 - 2014
Seat Toledo 2000 - 2015	Volkswagen Sharan 1999 - 2015
Skoda Fabia 2000 - 2006	Volkswagen Tiguan 2007 - 2016
Skoda Fabia 2005 - 2015	Volkswagen Touran 2003 - 2015
Skoda Octavia 2002 - 2013	Volkswagen Transporter T5 2003 - 2015
Skoda Praktik 2007 - 2015	
Skoda Rapid 2012 - 2015	
Skoda Roomster 2006 - 2015	
Skoda Superb 2002 - 2016	
Skoda Yeti 2009 - 2016	
Engine Codes:	
1.2cc	
ANY, CFWA, AYZ	
1.4cc	
AMF, ATL, BHC, BMS, BNM, BNV, BAY, BWB	
1.6cc	
CAYB, CAYC, CAYA, CLNA, CAYD, CAYE	
1.9cc	
ASZ, ATD, AXR, BLS, BKC, BXE, AJM, ATJ, AVB, AVF, AWX, BKE, BRB, ANU, AUY, BTB, BVK, BJB, BLT, BMT, BPX, BUK, BXJ, ARL, BSW, BPZ, BSV, AVQ, BRU, BXF, AXB, AXC, BRR, BRS, BSU, BRM	
2.0cc	
CFHB, CFHD, CBAA, CBAB, CFFA, CFFB, CBBB, CFGB, CLJA, AZV, BKD, BMM, BMN, BUY, BLB, BNA, BPW, BRC, BRD, BRE, BRF, BVA, BVF, BVG, CAGA, CAGB, CAGC, CAHA, CAHB, CGLC, CGLD, CJCA, CJCB, CJCC, CJCD, CMFA, CMFB, CMEA, CGLE, CMGB, CFGC, CFGD, CLLB, CGLA, CGLB, CFFE, BRT, BVH, CEGA, CFHC, CFJA, CLCB, CFHF, CLCA, BSS, BMP, CFHA, CBDB, CLLA, BGW, BHW, CBAC, CBDC, BKP, BMA, BMR, BUZ, BVE, BWV, CBBA, CFFD, CFJB, CFCA, CAAA, CAAB, CAAC, CAAD, CAAE, CCHA, CCHB, CDCA, CNEA, CSHA, CDBA, CNFA, CNFB, CFHE, BDJ, BST, CKUB, CKTB, CKTC, CKUC, CSLB, CSNA, CBDA, BDK, CJAAA	

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.



Preparation and precautions:

- Raise the front of the vehicle and remove the both front wheels and inner wheel arches where required.
- It may be necessary to remove the front bumper dependent on the vehicles type.
- Remove the engine under shield, top cover and auxiliary drive belt(s).
- Ensure the engine is at TDC cylinder number 1.
- Support the engine with a suitable jack and remove the right hand engine mounting where required for access.
- Turn the crankshaft in the normal direction of rotation until the camshaft marks are aligned.

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.

Component 6

Tensioner locking pin for the Auxiliary belt tensioner. Used to lock the tensioner for the auxiliary belt tensioner to allow the auxiliary belt to be removed and refitted with ease.

Component 2

Camshaft & Fuel Injection pump Locking Pins used to lock the cam shaft in its times position fit as shown in figure 1

Component 4/5

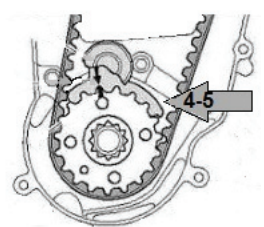
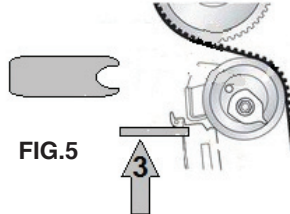
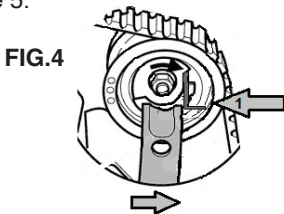
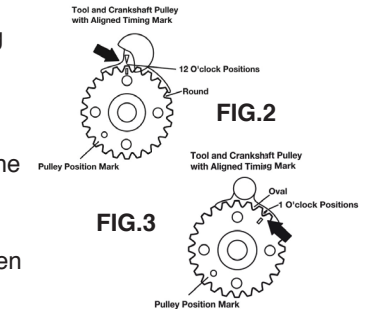
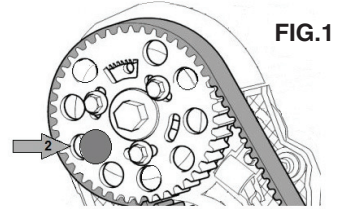
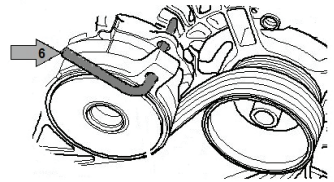
Crankshaft locking tools used to lock the crankshaft in its timed position fitted as shown in fig. 1. 4 and 5 look similar but are in fact quite different. The tool used depends on the application engine number. To identify which tool to use look at the positioning of the crankshaft timing mark on the front pulley. Figure 2 use component 4 (T10050) for figure 3 use component 5 (T10100). Both tools will only fit by sliding in to mesh with the crankshaft pulley from the front of the engine. 4 and 5 will not fit if lowered into position.

Component 1

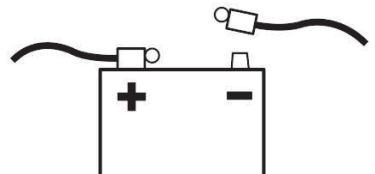
Back off the Belt tensioner to allow pin 1 to be fitted to lock the tensioner in its retracted position as shown. See figure 4.

Component 3

Tensioner Locking Tool – where a hydraulic tensioner has been used, use component 3 to lock it in its retracted position. See figure 5.



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.

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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

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