



APPLICATION GUIDE FOR: CAMSHAFT SPROCKET PULLER AND **BALANCE SHAFT TOOL**

19156



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: Camshaft Sprocket Puller and Balance Shaft Tool

Stock No: 19156

Part No: ETK237

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.

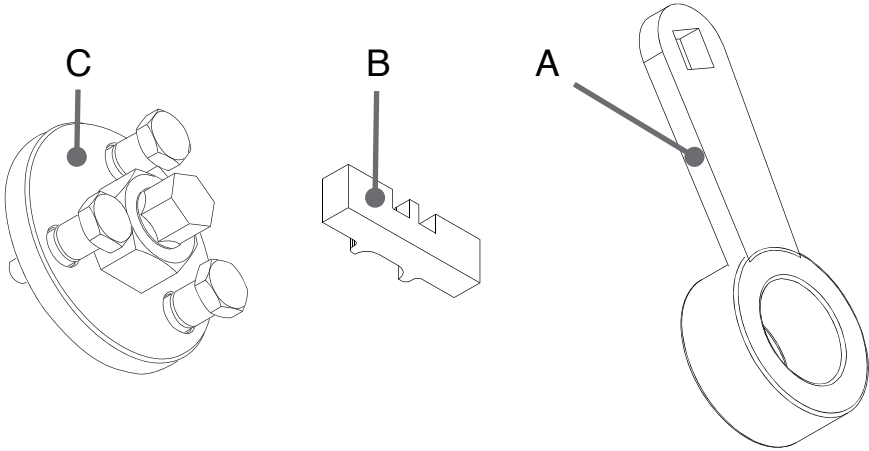
1) Personal safety

- 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	Camshaft Gear Holding Tool	T10051	35566
B	Balance shaft Locking Tool	T10255	35567
C	Camshaft Sprocket Puller	T10052	35568

7. APPLICATION

The **19156** has been developed as a **camshaft sprocket puller and balance shaft tool** for the vehicles listed below. Designed to allow the user to turn the engine safely and also used to remove the camshaft sprocket off the tapered mounting on the camshaft. Supplied with a balance shaft locking tool.

Used on the following Vehicles:

Audi A6 2005 - 2015	Audi A1 2010 - 2015
Audi Q3 2011 - 2015	Audi A3 2008 - 2013
Audi Q5 2008 - 2016	Audi A4 2004 - 2016
Audi TT 2008 - 2014	Audi A5 2008 - 2015
Seat Toledo 2009 - 2015 TDI CR FR	
Seat Alhambra 2005 - 2015 TDI PD	
Seat Altea/Altea XL 2009 - 2015 TDI CR	
Seat Exeo 2009 - 2013 TDI PD Ecomotive	
Seat Ibiza 2009 - 2015 TDI CR Ecomotive	
Seat Leon 2009 - 2013 TDI CR Freetrack	
Skoda Fabia II 2010 - 2015 TDI CR FR/Sport	
Skoda Octavia II 2008 - 2013 vRS TDI CR	
Skoda Praktik 2010 - 2015 TDI CR GreenLine	
Skoda Rapid 2012 - 2015 TDI CR/BlueMotion/Technology	
Skoda Roomster 2010 - 2015 TDI CR GreenLine II	
Skoda Superb II 2005 - 2016 TDI CR BlueMotion	
Skoda Yeti 2009 - 2016 TDI CR BlueMotion Technology	
Volkswagen Amarok 2010 - 2017 TDI CR	
Volkswagen Beetle 2011 - 2015 BiTDI CR 400	
Volkswagen Caddy 2010 - 2015 BiTDI CR 420	
Volkswagen CC 2012 - 2017	
Volkswagen Crafter 2011 - 2017	
Volkswagen Eos 2008 - 2015	
Volkswagen Golf 2008 - 2015 TDI CR 340	
Volkswagen Jetta 2008 - 2015 TDI CR BlueMotion/Technology	
Volkswagen Jetta 2011 - 2015 TDI CR/BlueMotion Technology	
Volkswagen Passat 2003 - 2015 Blue TDI CR	
Volkswagen Polo 2009 - 2014 TDI PD BlueMotion	
Volkswagen Scirocco 2008 - 2014 TDI CR 4Motion Achleitner	
Volkswagen Sharan 2005 - 2015 TDI CR 4x2	
Volkswagen Tiguan 2007 - 2016 GTD CR	
Volkswagen Touran 2010 - 2015 BiTDI CR	
Volkswagen Transporter T5 2009 - 2015	

Engine Codes:

1.2cc - CFWA

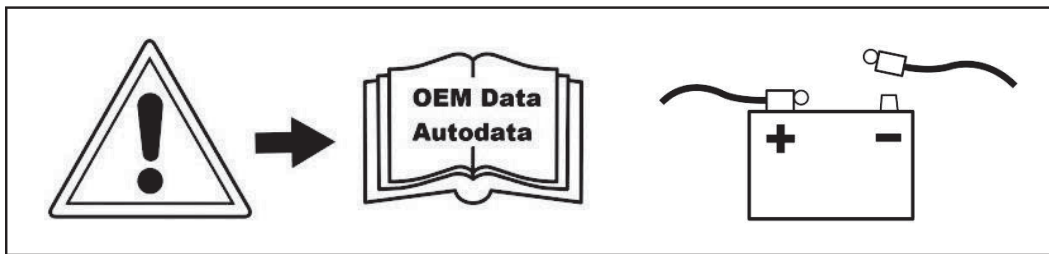
1.6cc - CAYB, CAYC, CAYA, CLNA, CAYD, CAYE

2.0cc

CFFA, CFFB, CFFE, CFGB, CFGC, BRT, BVH, CEGA, CFHC, CFJA, CAGA, CAGC, CAHA, CGLB, CJCA, CJCC, CFHD, CLCB, CFHF, CLCA, BSS, CBBB, CLJA, BMP, CFHA, CBDB, CFJB, CFCA, CAAA, CAAB, CBAC, CBAA, CAHB, CGLC, CGLD, CJCB, CJCD, CMFA, CMFB, CGLA, BLB, BNA, BPW, BRC, BRD, BRE, BRF, BVA, BVF, BVG, CFGD, CLLB, CFHB, CBAB, CAGB, CMGB, CAAC, CAAD, CAAE, CCHA, CCHB, CDCA, CNEA, CSHA, CDBA, BKP, BMA, BMR, BUZ, BVE, BWV, CBBA, CFFD, CNFB, CFHE, CKUB, CKTB, CKTC, CKUC, CSLB, CSNA, CJAA, CBDA, CLLA, BGW, BHW, CBDC, CMEA, CGLE

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.

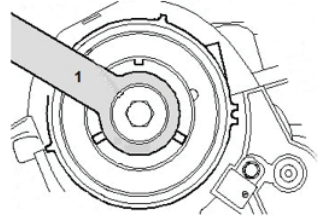


9. PROCEDURE AND APPLICATION GUIDE

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

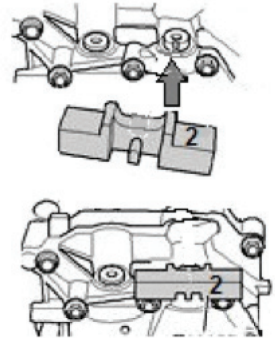
Component 1

Component 1 is designed to be used with a ½" drive breaker bar to hold the camshaft pulleys while the camshaft pulley fixings are removed.



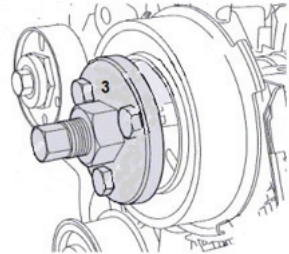
Component 2

Component 2 has been designed to fit as shown in the diagram to lock the balance shaft in its timed position. Ensure the engine is at TDC and appropriate locking tools have been used to lock the camshafts and crankshaft in the relative positions. The balancer shaft locking tool locates at the rear of the balance shaft.

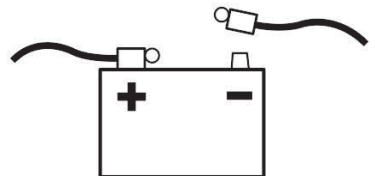


Component 3

Component 3 is used to remove the camshaft sprocket hubs when dismantling the cylinder head or timing the inlet and exhaust camshafts. Ensure the hub fixing bolt is left loose in place for the puller to push against.



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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