

# **Beta**

## **1438K/DSG**



**EN** INSTRUCTIONS FOR USE

|             |                 |             |             |
|-------------|-----------------|-------------|-------------|
| <b>AUDI</b> | A1/A1 Sportback | 1.4 TFSI    | 2010 - 2015 |
|             |                 | 1.4 TFSI    | 2011 - 2015 |
|             |                 | 1.6 TDI CR  | 2010 - 2015 |
|             | A3              | 1.6         | 2003 - 2003 |
|             |                 | 1.4 TFSI    | 2011 - 2013 |
|             | A3 Cabrio       | 1.6         | 2008 - 2012 |
|             |                 | 1.6 TDI CR  | 2009 - 2013 |
|             |                 | 1.8 TFSI    | 2008 - 2009 |
|             |                 | 1.8 TFSI    | 2009 - 2013 |
|             |                 | 1.9 TDI PD  | 2008 - 2009 |
|             |                 | 1.4 TFSI    | 2007 - 2013 |
|             |                 | 1.4 TFSI    | 2011 - 2013 |
|             | A3/A3 Sportback | 1.6         | 2003 - 2008 |
|             |                 | 1.6         | 2005 - 2012 |
|             |                 | 1.6 E85     | 2008 - 2013 |
|             |                 | 1.6 E85     | 2010 - 2013 |
|             |                 | 1.6 TDI CR  | 2009 - 2013 |
|             |                 | 1.6 TDI CR  | 2011 - 2013 |
|             |                 | 1.6 TDIe CR | 2010 - 2011 |
|             |                 | 1.8 TFSI    | 2007 - 2008 |
|             |                 | 1.8 TFSI    | 2008 - 2013 |
|             |                 | 1.9 TDI PD  | 2003 - 2008 |
|             |                 | 1.9 TDI PD  | 2005 - 2010 |
|             |                 | 1.9 TDI PD  | 2006 - 2010 |
|             |                 | 1.9 TDIe PD | 2007 - 2010 |
|             | TT              | 1.8 TFSI    | 2008 - 2014 |
| <b>SEAT</b> | Alhambra        | 1.8 TSI     | 2013 - 2015 |
|             | Altea/Altea XL  | 1.9 TDI PD  | 2004 - 2008 |
|             |                 | 1.9 TDI PD  | 2006 - 2010 |
|             | Cordoba         | 1.6 16V     | 2006 - 2008 |

|      |                |                      |             |
|------|----------------|----------------------|-------------|
| SEAT | Altea/Altea XL | 1.4                  | 2010 - 2013 |
|      |                | 1.4 TSI              | 2008 - 2015 |
|      |                | 1.4 TSI Freetrack    | 2009 - 2015 |
|      |                | 1.6                  | 2004 - 2008 |
|      |                | 1.6                  | 2005 - 2010 |
|      |                | 1.6                  | 2005 - 2012 |
|      |                | 1.6 Flex Fuel        | 2007 - 2010 |
|      |                | 1.6 Flex Fuel        | 2010 - 2013 |
|      |                | 1.6 TDI CR           | 2010 - 2015 |
|      |                | 1.6 TDI CR           | 2009 - 2015 |
|      |                | 1.6 TDI CR Ecomotive | 2009 - 2015 |
|      |                | 1.6 TDI CR Freetrack | 2010 - 2013 |
|      |                | 1.8 TFSI             | 2006 - 2007 |
|      |                | 1.8 TFSI             | 2006 - 2009 |
|      |                | 1.8 TSI              | 2009 - 2015 |
|      | Ibiza          | 1.4 16V              | 2009 - 2013 |
|      |                | 1.4 TSI Bocanegra    | 2009 - 2012 |
|      |                | 1.4 TSI Cupra        | 2008 - 2012 |
|      |                | 1.4 TSI FR           | 2008 - 2015 |
|      |                | 1.6 16V              | 2008 - 2012 |
|      |                | 1.6 TDI CR           | 2009 - 2015 |
|      |                | 1.6 TDI CR FR        | 2011 - 2015 |
|      |                | 1.9 TDI PD           | 2008 - 2010 |
|      |                | 1.6 16V              | 2006 - 2008 |
|      |                | Toledo               | 1.4 TSI     |
|      | 1.6            |                      | 2004 - 2009 |
|      | 1.6 Flex Fuel  |                      | 2007 - 2009 |
|      | 1.8 TSI        |                      | 2007 - 2007 |
|      | 1.8 TSI        |                      | 2007 - 2009 |
|      | 1.8 TSI        |                      | 2009 - 2009 |
|      | 1.9 TDI PD     |                      | 2004 - 2009 |
|      | 1.9 TDI PD     |                      | 2006 - 2009 |
|      | 1.4 TSI        |                      | 2012 - 2015 |
|      | 1.6 TDI CR     |                      | 2012 - 2015 |

| SEAT  | Leon                 | 1.6 2002 - 2004                  |
|-------|----------------------|----------------------------------|
|       |                      | 1.4 2010 - 2013                  |
|       |                      | 1.4 TSI 2007 - 2013              |
|       |                      | 1.4 TSI FR 2011 - 2013           |
|       |                      | 1.6 2005 - 2012                  |
|       |                      | 1.6 Flex Fuel 2007 - 2010        |
|       |                      | 1.6 Flex Fuel 2010 - 2013        |
|       |                      | 1.6 TDI CR 2010 - 2013           |
|       |                      | 1.6 TDI CR 2009 - 2013           |
|       |                      | 1.6 TDI CR Ecomotive 2009 - 2013 |
|       |                      | 1.8 TSI 2007 - 2009              |
|       |                      | 1.8 TSI 2009 - 2013              |
|       |                      | 1.8 TSI FR 2011 - 2013           |
|       |                      | 1.9 TDI PD 2005 - 2009           |
|       |                      | 1.9 TDI PD 2005 - 2010           |
|       |                      | 1.9 TDI PD Ecomotive 2008 - 2010 |
|       | Fabia II             | 1.4 2010 - 2015                  |
|       |                      | 1.4 vRS 2010 - 2012              |
|       |                      | 1.4 vRS 2012 - 2015              |
|       |                      | 1.6 2007 - 2011                  |
|       |                      | 1.6 TDI CR 2010 - 2015           |
|       |                      | 1.9 TDI PD 2007 - 2010           |
| SKODA | Octavia II           | 1.4 TSI 2008 - 2013              |
|       |                      | 1.6 2004 - 2005                  |
|       |                      | 1.6 2005 - 2012                  |
|       |                      | 1.6 2009 - 2012                  |
|       |                      | 1.6 Flex Fuel 2007 - 2010        |
|       |                      | 1.6 Flex Fuel 2010 - 2013        |
|       |                      | 1.6 TDI CR 2009 - 2013           |
|       |                      | 1.6 TDI CR GreenLine 2009 - 2013 |
|       |                      | 1.8 TSI 2007 - 2008              |
|       |                      | 1.8 TSI 2008 - 2013              |
|       |                      | 1.8 TSI 2009 - 2013              |
|       |                      | 1.9 TDI PD 2004 - 2010           |
|       |                      | 1.9 TDI PD 2006 - 2010           |
|       | Octavia/Octavia Tour | 1.6 2002 - 2010                  |
|       | Praktik              | 1.4 2010 - 2015                  |
|       |                      | 1.6 TDI CR 2010 - 2015           |



|       |                   |                               |             |
|-------|-------------------|-------------------------------|-------------|
| SKODA | Rapid             | 1.4 TSI                       | 2012 - 2015 |
|       |                   | 1.6 TDI CR                    | 2013 - 2015 |
|       |                   | 1.6 TDI CR                    | 2012 - 2015 |
|       |                   | 1.6 TDI CR GreenLine          | 2013 - 2015 |
|       | Rapid Spaceback   | 1.4 TSI                       | 2013 - 2015 |
|       |                   | 1.6 TDI CR                    | 2013 - 2015 |
|       |                   | 1.6 TDI CR GreenLine          | 2013 - 2015 |
|       | Roomster          | 1.4 TSI                       | 2014 - 2015 |
|       |                   | 1.4                           | 2010 - 2015 |
|       |                   | 1.6                           | 2006 - 2011 |
|       |                   | 1.6 TDI CR                    | 2010 - 2015 |
|       |                   | 1.9 TDI PD                    | 2006 - 2010 |
|       | Superb II         | 1.4 TSI                       | 2008 - 2015 |
|       |                   | 1.6 TDI CR                    | 2010 - 2015 |
|       |                   | 1.6 TDI CR GreenLine          | 2010 - 2015 |
|       |                   | 1.8 TSI                       | 2008 - 2010 |
|       |                   | 1.8 TSI                       | 2008 - 2015 |
|       |                   | 1.8 TSI                       | 2008 - 2016 |
|       |                   | 1.8 TSI                       | 2009 - 2015 |
|       | Yeti              | 1.9 TDI PD                    | 2008 - 2010 |
|       |                   | 1.9 TDI PD GreenLine          | 2009 - 2010 |
|       |                   | 1.4 TSI                       | 2013 - 2015 |
| VW    | Beetle/Maggiolino | 1.6 TDI CR                    | 2013 - 2015 |
|       |                   | 1.4 TSI                       | 2011 - 2015 |
|       | Bora              | 1.6                           | 2011 - 2015 |
|       |                   | 1.6                           | 2002 - 2005 |
|       | Caddy/Caddy Maxi  | 1.6                           | 2010 - 2015 |
|       |                   | 1.6                           | 2003 - 2005 |
|       |                   | 1.6                           | 2005 - 2010 |
|       |                   | 1.9 TDI PD                    | 2005 - 2010 |
|       |                   | 1.9 TDI PD BlueMotion         | 2007 - 2010 |
|       | CC                | 1.8 TSI                       | 2012 - 2015 |
|       |                   | 1.4 TSI                       | 2008 - 2010 |
|       | Eos               | 1.4 TSI                       | 2008 - 2015 |
|       |                   | 1.4 TSI                       | 2007 - 2015 |
|       |                   | 1.4 TSI BlueMotion Technology | 2010 - 2015 |
|       | Golf IV           | 1.6                           | 2002 - 2004 |
|       | Golf IV Estate    | 1.6                           | 2002 - 2006 |

**VW**

|                |                                  |             |
|----------------|----------------------------------|-------------|
| Golf Plus      | 1.4 TSI                          | 2009 - 2014 |
|                | 1.6                              | 2009 - 2012 |
|                | 1.6                              | 2009 - 2014 |
|                | 1.6 Flex Fuel                    | 2009 - 2010 |
|                | 1.6 Flex Fuel                    | 2010 - 2014 |
|                | 1.6 TDI CR                       | 2009 - 2014 |
|                | 1.6 TDI CR BlueMotion            | 2009 - 2014 |
|                | 1.4 TSI                          | 2006 - 2009 |
|                | 1.4 TSI                          | 2008 - 2009 |
|                | 1.4 TSI                          | 2007 - 2009 |
|                | 1.6                              | 2005 - 2009 |
|                | 1.6 Flex Fuel                    | 2007 - 2009 |
|                | 1.9 TDI PD                       | 2005 - 2009 |
|                | 1.9 TDI PD                       | 2006 - 2009 |
|                | 1.9 TDI PD BlueMotion            | 2007 - 2009 |
| Golf V         | 1.4 TSI                          | 2006 - 2008 |
|                | 1.4 TSI                          | 2007 - 2008 |
| Golf V         | 1.6                              | 2003 - 2008 |
|                | 1.6                              | 2005 - 2008 |
|                | 1.6 Flex Fuel                    | 2007 - 2008 |
|                | 1.9 TDI PD                       | 2004 - 2008 |
|                | 1.9 TDI PD                       | 2006 - 2008 |
|                | 1.9 TDI PD BlueMotion            | 2007 - 2008 |
| Golf V Estate  | 1.4 TSI                          | 2007 - 2009 |
|                | 1.4 TSI                          | 2007 - 2008 |
|                | 1.4 TSI                          | 2008 - 2009 |
|                | 1.6                              | 2007 - 2009 |
|                | 1.6 Flex Fuel                    | 2008 - 2009 |
|                | 1.9 TDI PD                       | 2007 - 2009 |
|                | 1.9 TDI PD BlueMotion            | 2007 - 2009 |
|                | 1.4 TSI                          | 2008 - 2010 |
| Golf VI        | 1.4 TSI                          | 2008 - 2013 |
|                | 1.6                              | 2008 - 2012 |
|                | 1.6                              | 2008 - 2010 |
|                | 1.6 Flex Fuel                    | 2008 - 2010 |
|                | 1.6 Flex Fuel                    | 2010 - 2013 |
|                | 1.6 TDI CR                       | 2009 - 2013 |
|                | 1.6 TDI CR BlueMotion/Technology | 2009 - 2013 |
|                | 1.8 TSI                          | 2009 - 2012 |
| Golf VI Cabrio | 1.4 TSI                          | 2011 - 2015 |
|                | 1.4 TSI                          | 2011 - 2016 |
|                | 1.6 TDI CR                       | 2011 - 2015 |

vw

|                 |                                  |             |
|-----------------|----------------------------------|-------------|
| Golf VI Estate  | 1.4 TSI                          | 2009 - 2013 |
|                 | 1.6                              | 2009 - 2012 |
|                 | 1.6 Flex Fuel                    | 2009 - 2012 |
|                 | 1.6 Flex Fuel                    | 2010 - 2013 |
|                 | 1.6 TDI CR                       | 2009 - 2013 |
|                 | 1.6 TDI CR BlueMotion            | 2009 - 2013 |
| Jetta           | 1.4 TSI                          | 2011 - 2014 |
|                 | 1.6 TDI CR                       | 2011 - 2014 |
|                 | 1.6 TDI CR BlueMotion Technology | 2011 - 2014 |
|                 | 1.4 TSI                          | 2011 - 2015 |
|                 | 1.4 TSI                          | 2014 - 2015 |
|                 | 1.6 TDI CR                       | 2014 - 2015 |
|                 | 1.4 TSI                          | 2006 - 2008 |
|                 | 1.4 TSI                          | 2008 - 2011 |
|                 | 1.4 TSI                          | 2007 - 2011 |
|                 | 1.6                              | 2005 - 2011 |
| Jetta           | 1.6 Flex Fuel                    | 2007 - 2011 |
|                 | 1.6 TDI CR                       | 2009 - 2011 |
|                 | 1.9 TDI PD                       | 2005 - 2009 |
|                 | 1.9 TDI PD                       | 2006 - 2010 |
|                 | 1.9 TDI PD BlueMotion            | 2007 - 2009 |
|                 | 1.4 TSI                          | 2011 - 2015 |
|                 | 1.4 TSI BlueMotion Technology    | 2011 - 2015 |
|                 | 1.4 TSI EcoFuel                  | 2011 - 2015 |
|                 | 1.6 TDI CR/BlueMotion/Technology | 2011 - 2015 |
|                 | 1.8 TSI                          | 2011 - 2015 |
| Passat          | 1.4 TSI                          | 2007 - 2011 |
|                 | 1.4 TSI BlueMotion               | 2009 - 2011 |
|                 | 1.4 TSI EcoFuel                  | 2009 - 2011 |
|                 | 1.6                              | 2005 - 2010 |
|                 | 1.6 TDI CR BlueMotion            | 2009 - 2011 |
|                 | 1.8 TSI                          | 2007 - 2010 |
|                 | 1.8 TSI                          | 2009 - 2011 |
|                 | 1.8 TSI                          | 2008 - 2011 |
|                 | 1.9 TDI PD                       | 2005 - 2009 |
|                 | 1.9 TDI PD BlueMotion            | 2007 - 2009 |
| Passat Alltrack | 1.8 TSI                          | 2012 - 2015 |
| Passat CC       | 1.8 TSI                          | 2008 - 2010 |
|                 | 1.8 TSI                          | 2009 - 2012 |
|                 | 1.8 TSI                          | 2008 - 2012 |

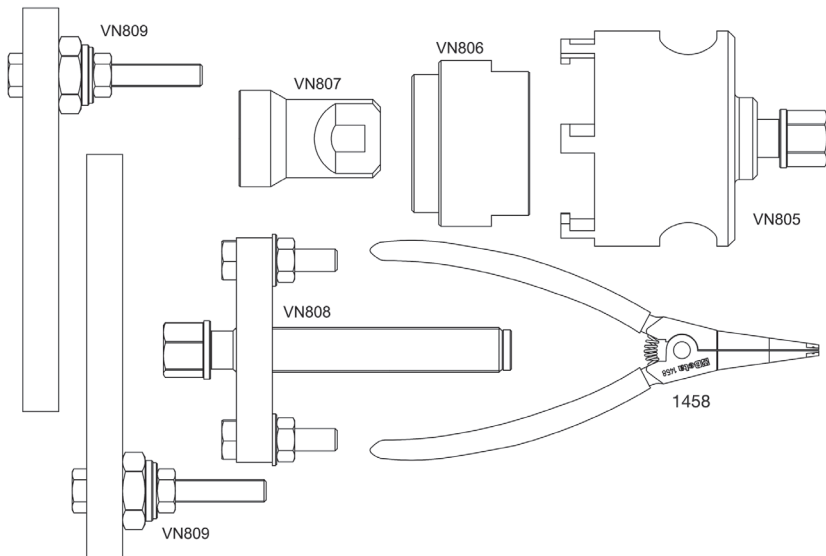


|    |          |                                  |             |
|----|----------|----------------------------------|-------------|
| vw | Polo     | 1.4                              | 2009 - 2014 |
|    |          | 1.4 GTI                          | 2010 - 2010 |
|    |          | 1.4 GTI                          | 2010 - 2014 |
|    |          | 1.6 TDI CR                       | 2009 - 2014 |
|    |          | 1.6 TDI CR                       | 2010 - 2014 |
|    |          | 1.6 TDI CR BlueMotion            | 2009 - 2014 |
|    |          | 1.6 16V                          | 2007 - 2009 |
|    | Scirocco | 1.4 TSI                          | 2008 - 2010 |
|    |          | 1.4 TSI                          | 2008 - 2014 |
|    |          | 1.4 TSI BlueMotion               | 2009 - 2014 |
|    | Sharan   | 1.8 TSI                          | 2012 - 2015 |
|    | Tiguan   | 1.4 TSI                          | 2007 - 2010 |
|    |          | 1.4 TSI                          | 2009 - 2012 |
|    |          | 1.4 TSI BlueMotion Technology    | 2010 - 2012 |
|    |          | 1.4 TSI BlueMotion Technology    | 2011 - 2013 |
|    |          | 1.4 TSI BlueMotion Technology    | 2010 - 2015 |
|    |          | 1.4 TSI                          | 2006 - 2010 |
|    | Tauran   | 1.4 TSI                          | 2008 - 2015 |
|    |          | 1.4 TSI                          | 2007 - 2015 |
|    |          | 1.4 TSI EcoFuel                  | 2009 - 2015 |
|    |          | 1.6                              | 2003 - 2006 |
|    |          | 1.6                              | 2005 - 2010 |
|    |          | 1.6 TDI CR                       | 2010 - 2015 |
|    |          | 1.6 TDI CR BlueMotion Technology | 2010 - 2015 |
|    |          | 1.9 TDI PD                       | 2003 - 2010 |
|    |          | 1.9 TDI PD                       | 2006 - 2010 |
|    |          | 1.9 TDI PD BlueMotion            | 2008 - 2010 |












# INSTRUCTIONS FOR USE

EN



## Components

|   |       |        |   |   |
|---|-------|--------|---|---|
| E | 1458  | /      | EXTERNAL LOCKING RING PLIER   |    |
| B | VN805 | T10373 | PULLER CLUTCH   |    |
| D | VN807 | T10376 | CLUTCH PRESS TOOL FOR MOUNTING AND POSITIONING THE CLUTCH UNIT (TO BE USED WITH "T10323")   |    |
| C | VN806 | T10374 | SETTING TOOL - RELEASE BEARING. USED FOR DETERMINING POSITION OF RELEASE BEARINGS "K1 AND K2" ON 7-SPEED DUAL CLUTCH GEARBOX 0AM. |  |
| A |       | T10323 | SUPPORT FOR ASSEMBLY AND DISASSEMBLY CLUTCH HOUSING (SHORT BAR)   |  |
| A | VN808 | T10323 | M18 SCREW   |  |
| A |       | T10323 | M10 SCREW   |  |
| A | VN809 | T10323 | SUPPORT FOR ASSEMBLY AND DISASSEMBLY CLUTCH HOUSING (LONG BAR)  |  |
| A |       | T10323 | M10 SCREW FOR 318018009   |  |

## INTRODUCTION

Please read this manual before carrying out any operation. It is compulsory to read this instruction manual before starting any kind of action. The proper operation and full compliance of this product's performance is guaranteed only if all the instructions provided in this manual are closely adhered to. We guarantee that this product complies with the technical specifications described in this manual. The manufacturer shall not be held responsible for any improper uses other than those described herein. Use protective work gloves, protective footwear, hard hat and safety goggles.

### Misuse:

- **This product should only be used as described in this documentation; any other use is considered improper.**
- **The manufacturer accepts no responsibility for any damage caused by the incorrect or unreasonable use of the equipment.**
- **Moreover, misuse shall also void the warranty.**

### Take care of your tools:

- **Be sure to store your tools in a clean state.**
- **Place the tools inside their original package.**


## PROCEDURE

The tool set for the disassembly and assembly of the DSG (Direct-Shift Gearbox) was designed to remove the clutch casing, including the discs, of 6-speed (code 08D) and 7-speed (code 0AM) VAG gearboxes, dual clutches (K1 and K2) and multiple shafts used in cars of the VAG Group since 2003.

**K1** = Clutch no.1

**K2** = Clutch no.2

## DUAL CLUTCH DISASSEMBLY

 **Warning: when removing the gearbox, closely adhere to the instructions provided by the car maker/manufacturer.**

- Place the gearbox on a suitable workbench and position it so that the clutch casing bell faces upwards.
- Remove the upper safety ring of the clutch disc hub (K1) using a screwdriver or a hook.
- Remove the safety ring and the clutch disc hub (K1).
- Use pliers **E** to remove the safety ring of the main outer shaft.

If the safety ring is locked, press on the center of the clutch using components **A** and **D**, assembled directly on the clutch casing bell.

Make sure the cross member is properly secured and that the thrust bushing works perpendicular to the clutch casing bell.

 **Warning: lubricate the drive screw and press it only as much as necessary to avoid damage to the main outer shaft support and the gearbox.**


- Fit extractor **B** into the clutch unit and lock it into place by turning it clockwise.
- Act on the extractor's screw and remove the clutch unit of the main outer shaft.

# INSTRUCTIONS FOR USE

EN


## DISASSEMBLY OF THE CLUTCH ENGAGEMENT SYSTEM

- Remove the small thrust bearing (for K2).
- Remove the big thrust bearing (for K1).

 **Warning: indicative instructions – always refer to the instructions provided by the parent company/ manufacturer.**

## ASSEMBLY AND ADJUSTMENT OF THE CLUTCH ENGAGEMENT SYSTEM

Assemble the new components, always closely adhering to the instructions provided by the parent company/manufacturer. Then measure and adjust the clutch engagement system using the adjustment gauge **C**.

 **Warning: with regard to the entire process involved in the installation, measurement and adjustment of the clutch engagement system, always refer to the instructions provided by the parent company/manufacturer.**

## DUAL CLUTCH ASSEMBLY

- Fit the new clutch unit on the main outer shaft. Make sure the main outer shaft properly couples with the gear teeth of the clutch disc (K2).

 **Warning: always refer to the instructions provided by the parent company/manufacturer.**

- Place thrust bushing **D** on the internal central ring of the clutch unit bearing.
- Assemble cross member **A** securing it properly to the clutch casing.  
Make sure the cross member and the thrust bushing work perpendicular to the clutch casing bell.
- Turn the cross member's drive screw and keep pressing the thrust bushing until you can see the safety ring's seat.

 **Warning: lubricate the drive screw and press it only as much as necessary to avoid damage to the main outer shaft support and the gearbox.**

- Remove both the cross member and the thrust bushing.
- Fit the new safety ring.

Refer to the instructions provided by the parent company/manufacturer for the correct assembly steps of the new safety ring.