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ZKTOOL ZK260

ZKTOOL Double Clutch Transmission Tool User Manual

For VAG VW Audi 7 Speed DSG Gearboxes

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of the ZKTOOL Double Clutch Transmission Tool. This specialized tool kit is designed for the precise installation and removal of double clutch units on VAG, VW, and Audi vehicles equipped with 7-speed DSG gearboxes. Adherence to these instructions is crucial for safe and effective operation.

2. SAFETY INFORMATION

Always prioritize safety when working with automotive components and specialized tools. Failure to follow safety guidelines can result in personal injury or damage to the vehicle.

- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Ensure the vehicle is securely supported on a lift or jack stands before commencing any work.
- Disconnect the vehicle's battery to prevent accidental electrical activation.
- Work in a well-ventilated area.
- Refer to the vehicle manufacturer's service manual for specific procedures and torque specifications.
- Keep all tools clean and in good working condition.

3. PRODUCT OVERVIEW AND COMPONENTS

The ZKTOOL Double Clutch Transmission Tool kit includes a comprehensive set of tools necessary for servicing double clutch transmissions. The kit is supplied in a durable storage case for organization and protection.



Figure 3.1: The complete ZKTOOL Double Clutch Transmission Tool Kit housed in its blue and black storage case.



Figure 3.3: A cylindrical black tool with multiple prongs and a central threaded shaft, used for clutch installation.

- **Clutch Engagement Bearing Tool (OEM T10373 equivalent):** Used to set and adjust the position of the clutch engagement bearing.



Figure 3.4: A black cylindrical component with a C-shaped opening, designed for precise bearing adjustment.

- **Pressure Plate Support (OEM T10323 equivalent):** Provides stable support for the pressure plate during service.



Figure 3.5: A large, flat, silver-colored disc with a central hole, used to support the pressure plate.

- **Puller Tool (OEM T10466 equivalent):** Facilitates the removal of clutch components.



Figure 3.6: A silver bar with two threaded rods and a central long threaded screw, used for pulling components.

- **Release Lever Tools:** Used for disengaging clutch mechanisms.



Figure 3.7: Two tools with black T-handles, one with a flat end and the other with a hook, for releasing levers.

- **Support Bridge (OEM T40100 equivalent):** Provides structural support during transmission work.



Figure 3.8: A long, flat black bar providing structural support.

- **Spreader Tools:** Used for spreading or compressing components as needed.



Figure 3.9: Two silver rectangular bars with adjustable black bolts, used for spreading or compressing.

4. VEHICLE COMPATIBILITY

This ZKTOOL Double Clutch Transmission Tool is compatible with the following vehicle models and gearbox types:

- **VW Golf:** Models from 2004 onwards with 7-speed gearboxes.
- **VW Golf Plus:** Models from 2005 onwards with 7-speed gearboxes.
- **Audi A3:** Models from 2004 onwards with 7-speed gearboxes.
- **VW Touareg:** Models from 2003 onwards with 6-speed gearboxes.

The tool kit includes components equivalent to OEM part numbers T10373, T10376, T10323, T10466, and T40100, ensuring precise fit and function for the specified applications.

5. SETUP AND PREPARATION

Before beginning any work on the transmission, ensure the following preparatory steps are completed:

1. Park the vehicle on a level surface and engage the parking brake.
2. Lift the vehicle using a suitable automotive lift or jack stands, ensuring it is stable and secure.
3. Remove any components obstructing access to the transmission, such as undertrays, wheels, or suspension parts, as required by the vehicle's service manual.
4. Clean the work area around the transmission to prevent contamination.
5. Familiarize yourself with the specific clutch removal and installation procedures outlined in the vehicle manufacturer's service manual.

6. OPERATING INSTRUCTIONS: CLUTCH SERVICE

This section outlines the general procedure for using the ZKTOOL Double Clutch Transmission Tool for clutch removal and installation. Always refer to the specific vehicle service manual for detailed, step-by-step instructions and torque specifications.

6.1. Clutch Removal Procedure

1. Access the transmission and clutch assembly as per the vehicle service manual.
2. Utilize the appropriate release lever tools to disengage the clutch mechanism.
3. Employ the puller tool (OEM T10466 equivalent) to carefully extract the clutch unit from the gearbox. Ensure even pressure is applied to prevent damage.
4. Remove the clutch engagement bearing using the designated tool (OEM T10373 equivalent).
5. Inspect all removed components for wear or damage.

6.2. Clutch Installation Procedure

1. Ensure the flywheel and transmission input shaft are clean and free of debris.
2. Position the new clutch engagement bearing using the clutch engagement bearing tool (OEM T10373 equivalent), ensuring it is correctly seated and adjusted.
3. Place the new clutch unit onto the transmission input shaft.
4. Use the clutch installer tool (OEM T10376 equivalent) in conjunction with the pressure plate support (OEM T10323 equivalent) to carefully press the clutch unit into position. Follow the vehicle manufacturer's instructions for alignment and engagement.
5. Secure the clutch unit according to the vehicle service manual's torque specifications.
6. Reassemble all removed components in reverse order of removal.
7. Perform any necessary adaptations or basic settings for the DSG transmission using diagnostic equipment, as specified by the vehicle manufacturer.

7. MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the lifespan of your ZKTOOL Double Clutch Transmission Tool kit.

- After each use, clean all tools thoroughly to remove grease, oil, and dirt.
- Inspect tools for any signs of wear, damage, or deformation. Replace damaged components immediately.
- Apply a light coat of rust preventative oil to metal components before storage.
- Store the tools in their original case in a dry, clean environment, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

If you encounter issues during the use of the ZKTOOL Double Clutch Transmission Tool, consider the following general troubleshooting steps:

- **Tool not fitting correctly:** Verify that the tool is correctly aligned with the component. Double-check the vehicle compatibility section to ensure the tool is appropriate for your specific vehicle and gearbox model.
- **Difficulty in operation:** Ensure all fasteners are loosened or tightened appropriately. Do not force tools; excessive force can cause damage to the tool or vehicle components. Re-read the relevant section of this manual and the vehicle service manual.
- **Unusual resistance:** Stop immediately and investigate the cause. There may be an obstruction, misalignment, or an incorrect procedure being followed.

For persistent issues, consult a qualified automotive technician or contact ZKTOOL customer support.

9. TECHNICAL SPECIFICATIONS

Specification	Detail
Brand	ZKTOOL
Model Name	Double Clutch Transmission Tool
Item Model Number	ZK260
Manufacturer Part Numbers	T10373, T10376, T10323, T10466, T40100
Item Weight	23.9 pounds
Package Dimensions	17.64 x 12.01 x 4.37 inches

10. WARRANTY AND SUPPORT

ZKTOOL provides warranty service for this product. For technical assistance or warranty claims, please contact ZKTOOL customer support. We offer technical support and services online 24 hours a day.

For further information, please visit the official ZKTOOL store: [ZKTOOL Store on Amazon](#)