

## DPTOOL HTD1056

# DPTOOL Timing Tool Kit Instruction Manual

Model: HTD1056

## 1. INTRODUCTION AND OVERVIEW

The DPTOOL Timing Tool Kit (Model HTD1056) is a comprehensive 16-piece set designed for precise engine timing adjustments and component replacement. This kit is essential for professional mechanics and experienced automotive enthusiasts performing maintenance or repairs on compatible Audi and Volkswagen engines. It facilitates accurate camshaft and crankshaft positioning, crucial for timing chain replacement and other related engine services.

The tools are manufactured from high-quality steel, ensuring durability and resistance to deformation. An antioxidant layer is applied to prevent rust, extending the service life of the tools.

## 2. PRODUCT COMPONENTS

The HTD1056 kit includes a variety of specialized tools, each designed for specific functions in engine timing procedures. All components are organized within a durable blue carrying case for easy storage and transport.



Figure 2.1: Complete DPTOOL Timing Tool Kit (16PC KIT) in its protective carrying case.

Below is a detailed list and visual representation of the tools included in the kit:



Figure 2.2: Labeled diagram of all components within the timing tool kit.

Table 2.1: Kit Components and OEM Equivalents

Item No.	Tool Name	OEM Equivalent Part Number
1	Camshaft & Crankshaft Adjustable Wrench	T10172
2	Timing Tool	303212
3	Camshaft Locking Tool	T40133
4	Camshaft Locking Tool	T40070
5	Chain Tensioner Locking Pin	T40071
6	Timing Bolt	T10172-2
7	Crankshaft Locking Pin	T3242

Item No.	Tool Name	OEM Equivalent Part Number
8	Crankshaft Locking Pin	T40069
9	Cr-MO M14 Socket	T10035
10	Crankshaft Turning Socket	T40058

### Individual Tool Details:



Figure 2.3: T10172 Pulley Holder Wrench. This tool is used for holding the camshaft or crankshaft pulley during removal or installation.

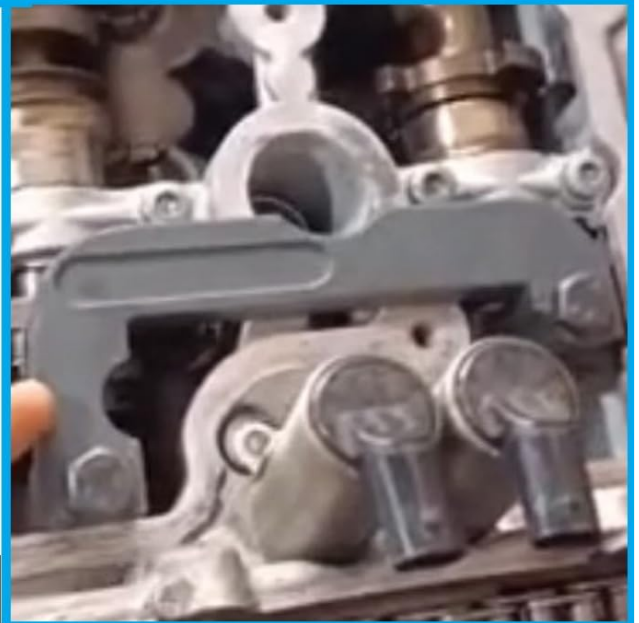




**T40070**  
**for VAG 2,4.2,5.2 FSI**

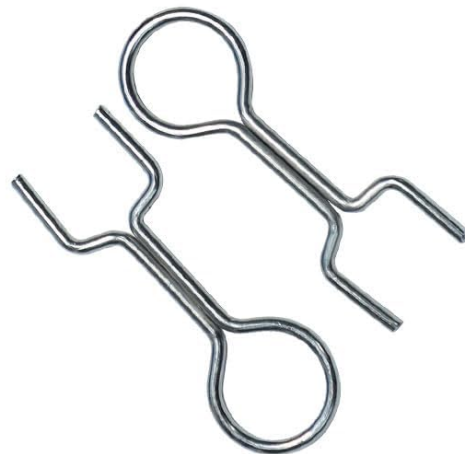


**T40133**  
**for VAG 2.0,2.8 3.0T,3.2T**



## Camshaft Locking Tool

Figure 2.4: T40070 (top) and T40133 (bottom) Camshaft Locking Tools. These tools are designed to lock the camshafts in their correct timed position, preventing rotation during service.



# T40071

**Chain Tensioner Locking Pin**



# T40069

**Crankshaft Locking Pin**

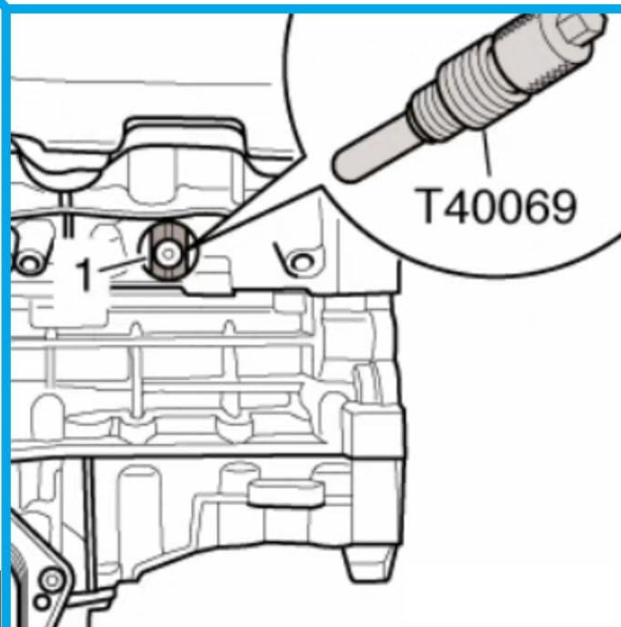
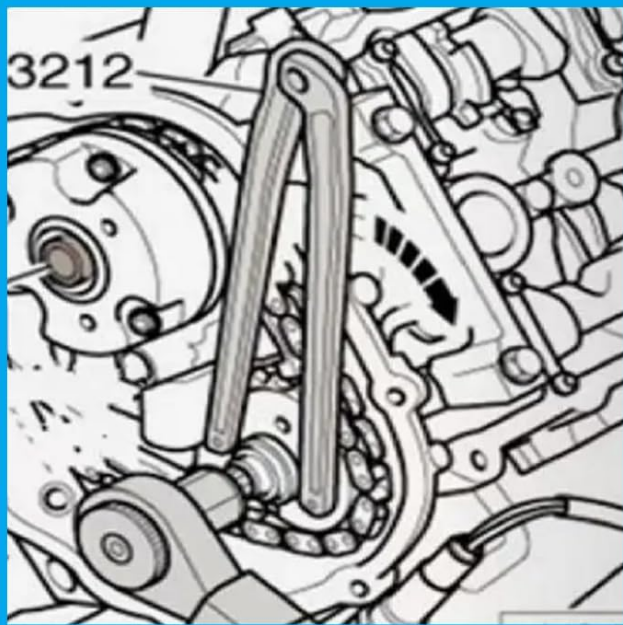


Figure 2.5: T40071 Chain Tensioner Locking Pin (top) and T40069 Crankshaft Locking Pin (bottom). These pins are used to secure the chain tensioner and crankshaft respectively, maintaining engine timing.



**303212**  
**Timing Tool**



**T40058**  
**Crankshaft Turning Socket**



Figure 2.6: 303212 Timing Tool (top) and T40058 Crankshaft Turning Socket (bottom). The timing tool assists in setting the correct timing, while the turning socket allows for manual rotation of the crankshaft.

### 3. APPLICATIONS AND COMPATIBILITY

---

This timing tool kit is specifically designed for a range of Audi and Volkswagen engines. It is compatible with:

- Audi VW Q5 2.0
- Audi A6L 2.8 3.0T
- Audi A6L/Quattro 2.4 with engine BDW
- 6-cylinder petrol direct injection 2.8L 4V engine
- Audi VW A4/A6/A8/Q7/R8 3.2 4.2 5.2 FSi with engine AUK

Always verify the specific engine code and required OEM tool numbers against your vehicle's service manual before use.

### 4. SETUP AND PREPARATION

---

Before using the DPTOOL Timing Tool Kit, ensure you have reviewed the vehicle's specific service manual for the procedure you intend to perform. This kit is intended for use by qualified individuals with experience in automotive repair.

1. **Safety First:** Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves. Ensure the vehicle is securely supported on jack stands or a lift. Disconnect the battery to prevent accidental engine cranking.
2. **Cleanliness:** Before and after each use, clean the tools thoroughly to remove any grease, oil, or debris. This prevents contamination and ensures proper fitment.
3. **Tool Inspection:** Inspect each tool for any signs of damage, wear, or deformation before use. Do not use damaged tools.
4. **Familiarization:** Familiarize yourself with each tool's function and its corresponding OEM part number as listed in Table 2.1.

## 5. OPERATING INSTRUCTIONS

---

This timing tool kit provides the necessary components to accurately set and maintain engine timing during various service procedures, such as timing chain replacement, camshaft seal replacement, or cylinder head work. The specific steps for using these tools will vary depending on the vehicle model and the particular engine service being performed. Always refer to the official vehicle service manual for detailed, step-by-step instructions.

### General Principles of Use:

- **Camshaft Locking:** Use the appropriate camshaft locking tools (e.g., T40133, T40070) to secure the camshafts in their correct timing position. These tools typically fit into specific slots or holes on the camshafts or cylinder head.
- **Crankshaft Positioning:** Utilize crankshaft locking pins (e.g., T3242, T40069) to lock the crankshaft at Top Dead Center (TDC) or other specified positions. The crankshaft turning socket (T40058) may be used to carefully rotate the crankshaft to the desired position before inserting the locking pin.
- **Pulley Holding:** The adjustable wrench (T10172) is used to hold various pulleys (e.g., camshaft, crankshaft) stationary while loosening or tightening fasteners.
- **Chain Tensioner Management:** The chain tensioner locking pins (T40071) are used to compress and hold the timing chain tensioner during removal or installation of the timing chain.
- **Precision:** These tools are designed for precision. Ensure they fit correctly and are fully seated before applying any force. Improper use can lead to damage to the tools or engine components.

For a visual overview of the kit and its components, please refer to the video below:

Your browser does not support the video tag.

Video 5.1: Overview of the DPTOOL Timing Set for VW Audi engines. This video demonstrates the various tools included in the kit and their general appearance.

## 6. MAINTENANCE

---

Proper maintenance ensures the longevity and reliability of your DPTOOL Timing Tool Kit.

- **Cleaning:** After each use, wipe down all tools with a clean cloth to remove oil, grease, and dirt. For stubborn grime, use a mild degreaser and dry thoroughly.
- **Lubrication:** Apply a light coat of rust-preventative oil to metal surfaces, especially if storing for extended periods or in humid environments.
- **Storage:** Store the tools in their original carrying case in a dry, clean environment. This protects them from damage, corrosion, and keeps them organized.
- **Inspection:** Periodically inspect tools for any signs of wear, bending, cracks, or other damage. Replace any damaged tools immediately.



## 7. TROUBLESHOOTING

While the DPTOOL Timing Tool Kit is designed for precision and durability, occasional issues may arise.

- **Tool Does Not Fit:**
  - Double-check the vehicle's engine code and compare it with the kit's compatibility list (Section 3).
  - Ensure the engine components are correctly positioned as per the service manual before attempting to insert the locking tools.
  - Verify that you are using the correct tool for the specific application as indicated by the OEM part numbers.
- **Tool Appears Damaged or Bent:**
  - Do not use a damaged tool. This can lead to further damage to the engine or personal injury.
  - Contact customer support for assistance with replacement under warranty if applicable.
- **Difficulty in Removing Tools:**
  - Ensure all engine components are in a relaxed state and not binding the tools.
  - Verify that any fasteners holding the tools in place have been fully loosened or removed.

For issues not covered here, or if you require further assistance, please refer to the Warranty & Support section.

## 8. SPECIFICATIONS

Attribute	Detail
Brand	DPTOOL
Model Number	HTD1056
Item Weight	9.24 pounds
Product Dimensions	11.81 x 11.81 x 3.94 inches
Country of Origin	China
Manufacturer	Shenzhen Dapeng Aoto Tools CO.,LTD

## 9. WARRANTY AND SUPPORT

The DPTOOL Timing Tool Kit (Model HTD1056) comes with a **12-month warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. If the product experiences any quality problems within this period, DPTOOL will replace or refund the item.

For warranty claims, technical support, or any inquiries regarding the use or compatibility of this tool kit, please contact DPTOOL customer service through the retailer where the product was purchased or refer to the official DPTOOL website for contact information. Please have your purchase receipt and product model number ready when contacting support.



