

CCLIFE 1171

CCLIFE Engine Timing Tool Kit for VAG 1.4-1.6-1.9-2.0 SDI TDI Diesel Engines - Model 1171

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective use of the CCLIFE Engine Timing Tool Kit, Model 1171. This kit is designed for precise adjustment and checking of engine timing during maintenance procedures such as timing belt or camshaft replacement on various VAG 1.4-1.6-1.9-2.0 SDI TDI diesel engines. Adherence to these instructions is crucial for proper engine function and user safety.

2. SAFETY INFORMATION

Always observe the following safety precautions when using this tool kit:

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands before commencing any work.
- Disconnect the vehicle's battery to prevent accidental engine cranking.
- Consult the vehicle manufacturer's specific repair manual for detailed procedures and torque specifications relevant to your vehicle model.
- Do not force tools into position. If a tool does not fit easily, re-check the application and alignment.
- This kit is intended for use by qualified personnel or experienced DIY mechanics.

3. PACKAGE CONTENTS

The CCLIFE Engine Timing Tool Kit (Model 1171) includes the following components:

- 2 x Crankshaft Locking Tools (T10050, T10100)
- 2 x Camshaft/Injection Pump Locking Pins (T20102)
- 1 x Auxiliary Drive Belt Tensioner Locking Pin (T10115)
- 1 x Tensioner Locking Pin (T10060A)



Image 3.1: Overview of the CCLIFE Engine Timing Tool Kit components.



Image 3.2: Another perspective of the timing tool kit, showing individual components.



Image 3.3: Detailed view of the two crankshaft locking tools (T10050 and T10100).

4. SETUP

Before using the timing tool kit, ensure the following preparatory steps are completed:

1. Park the vehicle on a level surface and engage the parking brake.
2. Safely lift and support the vehicle using appropriate jack stands.
3. Remove any components obstructing access to the timing belt, camshaft, and crankshaft pulleys (e.g., engine covers, auxiliary belts, wheels).
4. Locate the timing marks on the crankshaft and camshaft according to your vehicle's service manual.

5. OPERATING INSTRUCTIONS

This section outlines the general procedure for using the CCLIFE Engine Timing Tool Kit. Always refer to your specific vehicle's repair manual for exact procedures and torque values.

5.1. Locking the Camshaft and Injection Pump (T20102)

1. Rotate the engine manually until the camshaft and injection pump sprockets are aligned with their respective locking points.
2. Insert the T20102 locking pins into the designated holes on the camshaft and injection pump sprockets to secure them in the timed position.

5.2. Locking the Auxiliary Drive Belt Tensioner (T10115)

1. Locate the auxiliary drive belt tensioner.
2. Compress the tensioner slightly and insert the T10115 pin to hold it in the relaxed position, allowing for removal or installation of the auxiliary belt.

5.3. Locking the Timing Belt Tensioner (T10060A)

1. After relieving tension on the timing belt, insert the T10060A pin into the timing belt tensioner to hold it in its compressed state.

5.4. Locking the Crankshaft (T10050, T10100)

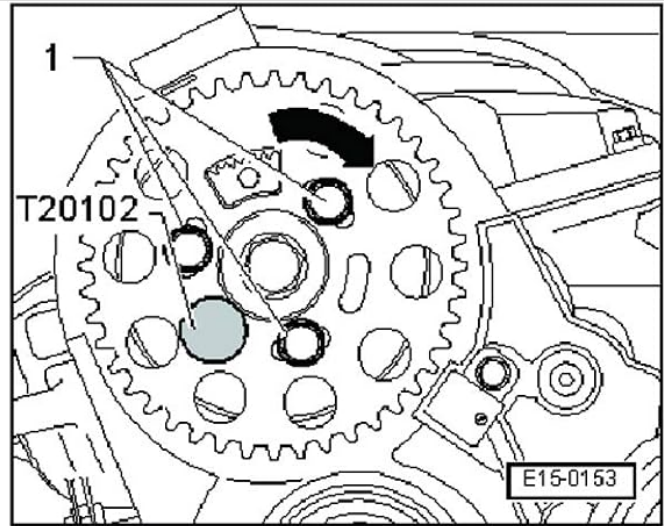
The kit includes two crankshaft locking tools (T10050 and T10100) to accommodate different engine configurations. Select the appropriate tool for your specific engine.

1. Rotate the crankshaft to Top Dead Center (TDC) for cylinder 1, aligning the crankshaft sprocket with its locking point.
2. Insert the correct crankshaft locking tool (T10050 or T10100) into the designated opening to secure the crankshaft in position. This prevents rotation during timing belt service.

T20102



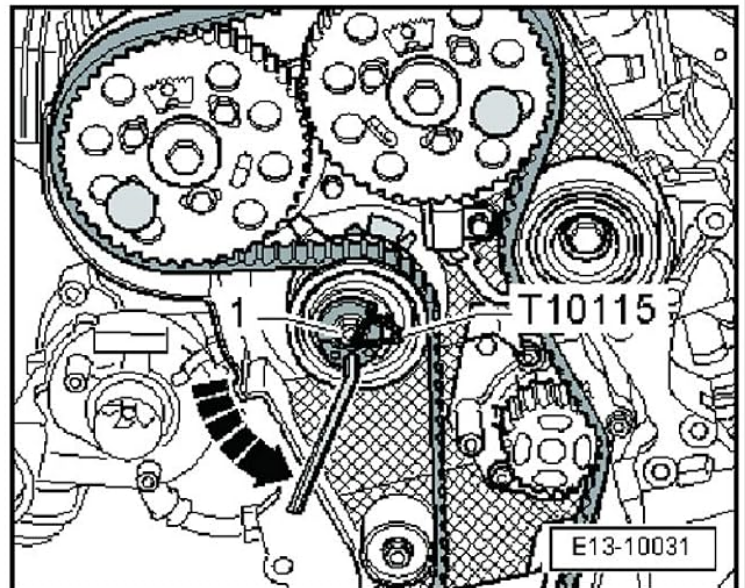
L13-10019



T10115



W00-1231



T10060 A



W00-10235

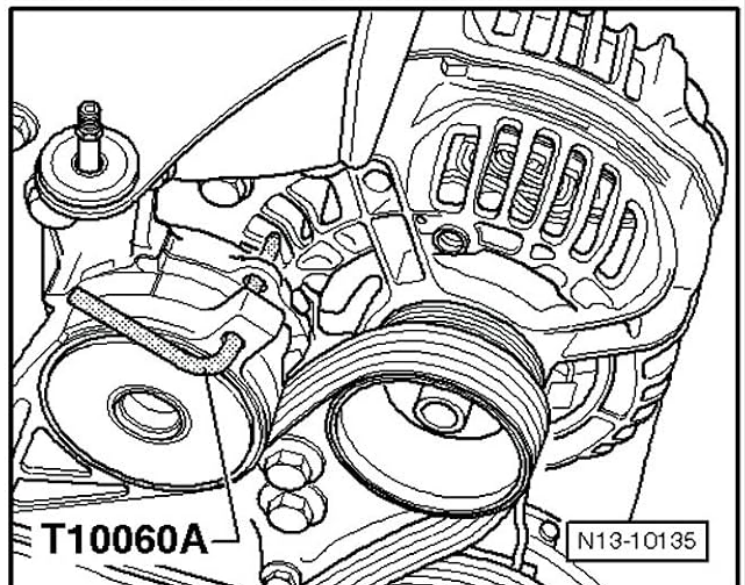


Image 5.1: Diagrams illustrating the application of T20102 (camshaft/injection pump locking pin), T10115 (auxiliary drive belt tensioner locking pin), and T10060A (timing belt tensioner locking pin).

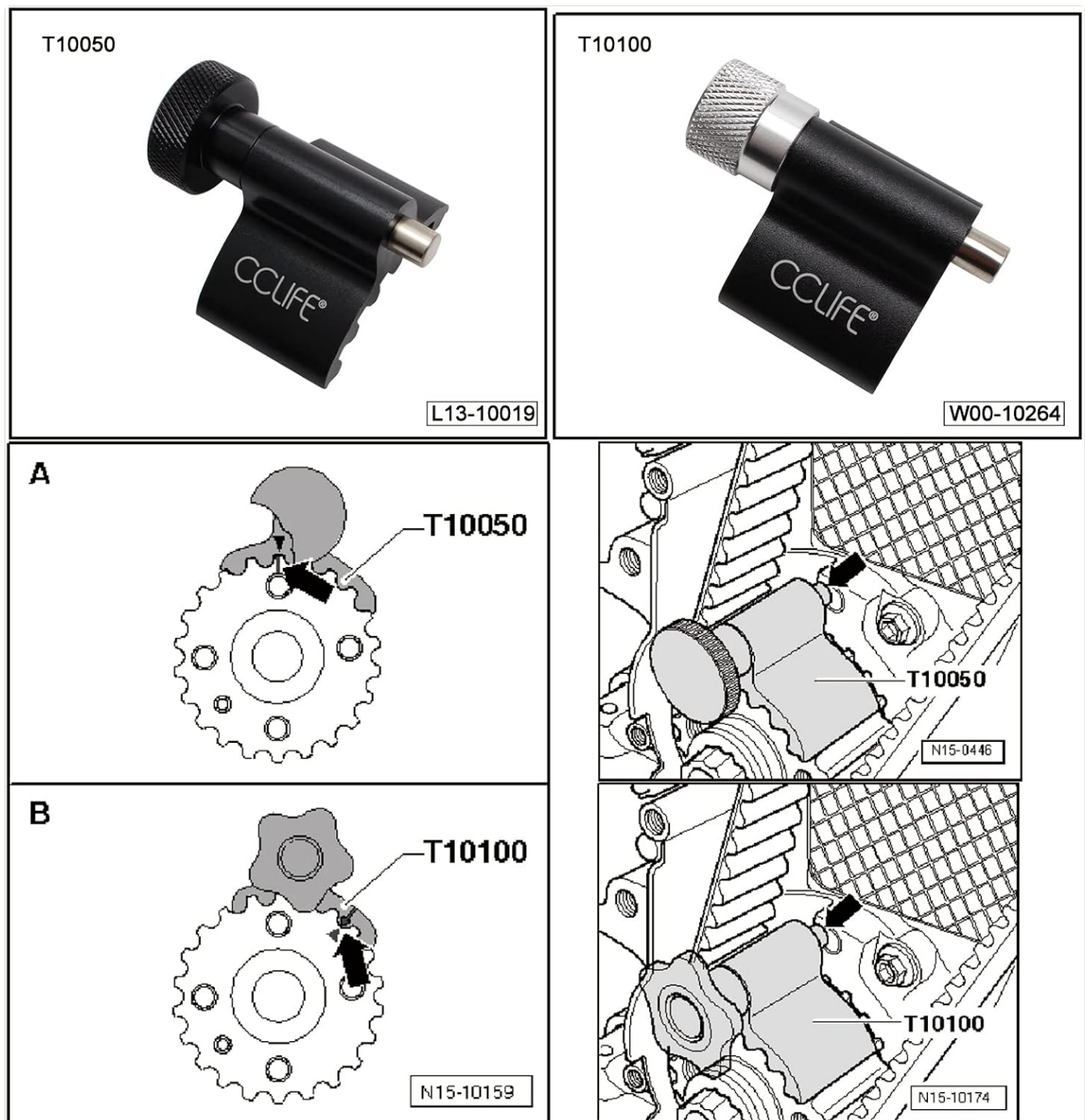


Image 5.2: Diagrams demonstrating the use of crankshaft locking tools T10050 and T10100 to secure the crankshaft sprocket.

6. MAINTENANCE

To ensure the longevity and proper function of your CCLIFE Engine Timing Tool Kit:

- Clean all tools thoroughly after each use to remove oil, grease, and debris.
- Store the tools in their original packaging or a suitable toolbox to prevent damage and loss.
- Inspect tools for any signs of wear, damage, or corrosion before each use. Do not use damaged tools.
- Lightly oil metal components if storing for extended periods in humid environments.

7. TROUBLESHOOTING

If you encounter difficulties while using the timing tool kit:

- **Tool does not fit:** Double-check that you have the correct tool for the specific engine component and that the engine is positioned correctly according to the service manual. Ensure no debris is obstructing the locking points.
- **Engine timing issues after service:** Re-verify all timing marks and tool placements. Ensure all locking pins were removed before attempting to start the engine. Consult a professional mechanic if issues persist.
- **Damaged tool:** Discontinue use immediately. Contact CCLIFE customer support for assistance.

8. SPECIFICATIONS

Attribute	Detail
Brand	CCLIFE
Model Number	1171
Material	High-quality Steel
Item Weight	400 g
Product Dimensions (L x W x H)	20 x 15 x 5 cm
Compatible Engine Types	VAG 1.4-1.6-1.9-2.0 SDI TDI Diesel Engines
Compatible Engine Codes	1.2D TDiCR: CFWA 1.4D TDi PD: AMF, BAY, BMS, BNM, BNV, BWB 1.6D TDiCR: CAYA, CAYB, CAYC, CAYD, CAYE, CLNA 1.9D TDI PD: AJM, ANU, ARL, ASZ, ATD, AUY, AVB, AVF, AVQ, AWX, AXB, AXC, AXR, BJB, BKC, BLS, BLT, BMT, BPZ, BRM, BRR, BRS, BRU, BSU, BSV, BSW, BTB, BVK, BXE, BXF, BXJ 2.0D TDiCR/TDI PD: AZV, BDJ, BDK, BEW, BGW, BHW, BKD, BKP, BKQ, BLB, BMA, BMM, BMN, BMP, BMR, BNA, BPW, BRA, BRC, BRD, BRE, BRF, BRT, BSS, BST, BSY, BUY, BUZ, BVA, BVE, BVF, BVG, BVH, BWC, BWV, CAAA, CAAB, CAAC, CAAE, CAGA, CAGB, CAGC, CAHA, CAHB, CBAA, CBAB, CBAC, CBBA, CBBB, CBDA, CBDB, CBDC, CBEA, CCHA, CCHB, CDBA, CDCA, CEGA, CFCA, CFFA, CFFB, CFFD, CFFE, CFGB, CFHA, CFHB, CFHC, CFHD, CFHE, CFHF, CFJA, CGLA, CGLB, CGLC, CGLD, CJAA, CJCA, CJCB, CJCC, CLCA, CLCB, CLJA, CLLA, CNEA, ECD, ECD/BSY, ECD/BYL, ECE/BWD

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your CCLIFE Engine Timing Tool Kit, please contact CCLIFE customer service directly. Refer to the product packaging or the official CCLIFE website for contact details.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question