

Engine Timing Tool Set for Mercedes-Benz M254 / M256



TOOLS

- 1 Camshaft turning tool, to be used as OEM 177 589 01 09 00
- 2 Crankshaft pulley holding/turning tool, to be used as OEM 654 589 00 40 00
- 3 Camshaft setting tool, to be used as OEM 256 589 00 23 00
- 4 Camshaft setting tool, to be used as OEM 256 589 00 23 00
- 5 Camshaft setting tool, to be used as OEM 256 589 00 23 00
- 6 Diesel high-pressure pump puller, to be used as OEM 654 589 00 14 00
- 7 Crankshaft locking tool, to be used as OEM 654 589 00 21 00
- 8 Camshaft socket, to be used as OEM 177 589 01 09 00
- 9 Crankshaft pulley holding/turning tool, to be used as OEM 654 589 00 40 00
- 10 Crankshaft setting tool, to be used as OEM 654 589 00 21 00
- 11 Camshaft adjuster T-Star bit socket, TX100 tamperproof
- 12 Camshaft retaining locking tool adapter, to be used as OEM 654 589 03 21 01
- 13 Camshaft adjuster locking tool, to be used as OEM 256 589 02 31 00

ATTENTION

Read the operating instructions and all safety instructions contained therein carefully before using the product. Use the product correctly, with care and only according to the intended purpose. Non-compliance of the safety instructions may lead to damage, personal injury and to termination of the warranty. Keep these instructions in a safe and dry location for future reference. Enclose the operating instructions when handing over the product to third parties.

SAFETY INFORMATION

- Keep children and other persons away from the working area.
- Do not allow children to play with this tool or its packaging.
- Do not use the tool if parts are missing or damaged.
- Use the tool for the intended purpose only.
- Never place the tool on the vehicle battery. There is a risk of a short circuit.
- Be careful when working on running engines. Loose clothing, tools and other objects can be caught by rotating parts and cause serious injury.
- Be careful when working on hot engines because of the risk of burn injuries!.

SAFETY INFORMATION

- If you remove the ignition key before repairing, you can prevent the engine from being started accidentally, engine damage and personal injuries.
- This manual serves as a brief guide and does not replace a workshop manual. Always refer to the vehicle-specific service literature, particularly the technical data such as torque values and instructions for disassembly/assembly, etc.
- After repair or before starting the engine, turn a minimum of 2 turns by hand and check the timing again.
- Turn the engine only in the normal direction of rotation (clockwise unless otherwise specified)
- Do not use locking tools for camshaft and crankshaft as a counter-holder, during loosening or tightening screws on pulley, camshaft or crankshaft. This can damage tools and engine components. Only use tools that are suitable for this purpose.

ENVIRONMENTAL PROTECTION

Recycle unwanted materials instead of disposing of them as waste. Packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. Contact your local solid waste authority for recycling information.



INTENDED USE

This engine timing tool set is used to check and adjust the engine timing on Mercedes-Benz engines of the series M254 and M256, the models where the engines built in are showing in vehicle list below.

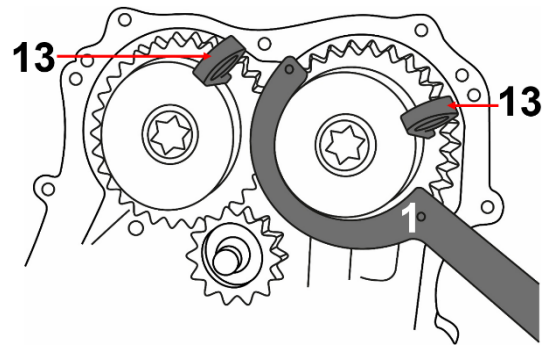
More information regarding this item and a list of suitable engines and models can be found on our website: www.bgstechinc.com

VEHICLE LIST

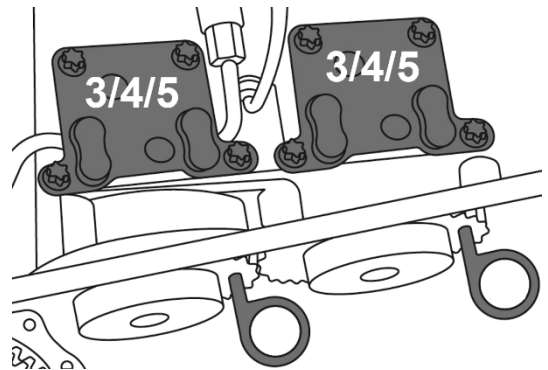
Model	Engine Power	Year
AMG GT	270 KW (367 HP)	2018 - 2026
AMG GT	320 KW (435 HP)	2018 - 2026
CLE Cabriolet	297 KW (404 HP)	2024 - 2026
CLE Cabriolet	347 KW (472 HP)	2024 - 2026
CLE Coupe	297 KW (404 HP)	2024 - 2026
CLE Coupe	347 KW (472 HP)	2024 - 2026
CLS	270 KW (367 HP)	2018 - 2025
CLS	320 KW (435 HP)	2018 - 2025
E-Claas	320 KW (435 HP)	2018 - 2023
E-Claas	270 KW (367 HP)	2018 - 2023
E-Claas	280 KW (381 HP)	2023 - 2026
E-Claas	450 KW (612 HP)	2023 - 2026
E-Claas Coupe/Cabriolet	320 KW (435 HP)	2018 - 2024
E-Claas Coupe/Cabriolet	270 KW (367 HP)	2020 - 2024
GLE	270 KW (367 HP)	2019 - 2026
GLE	320 KW (435 HP)	2019 - 2025
GLE Coupe	320 KW (435 HP)	2020 - 2025
GLE Coupe	270 KW (367 HP)	2020 - 2025
GLS	270 KW (367 HP)	2019 - 2025
Maybach GLS	270 KW (367 HP)	2020 - 2025
Maybach S-Claas	270 KW (367 HP)	2020 - 2025
S-Claas	270 KW (367 HP)	2017 - 2026
S-Claas	320 KW (435 HP)	2017 - 2021
S-Claas	230 KW (313 HP)	2020 - 2025
S-Claas	270 KW (367 HP)	2020 - 2025

USE

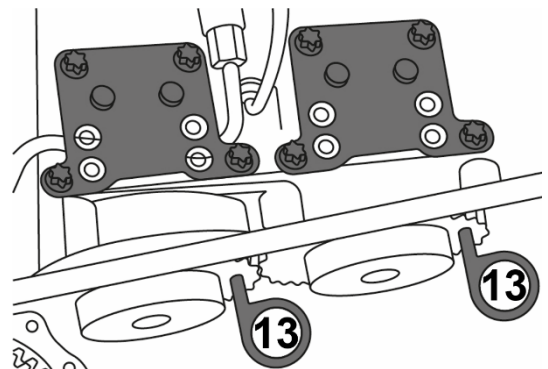
Camshaft turning tool (1),
to be used as OEM 177 589 01 09 00



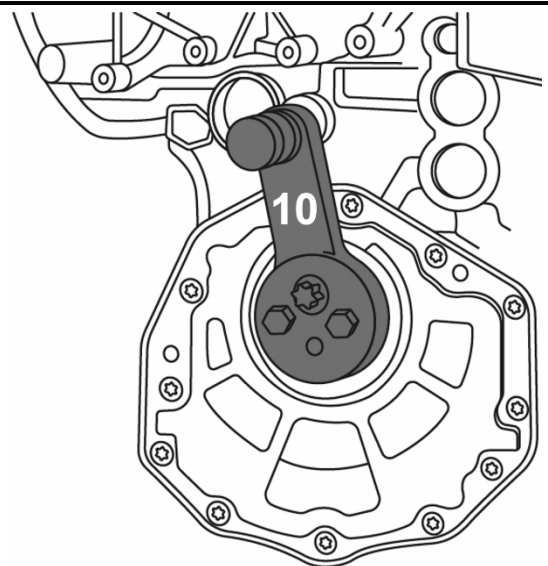
Camshaft setting tool (3-4-5),
to be used as OEM 256 589 00 23 00



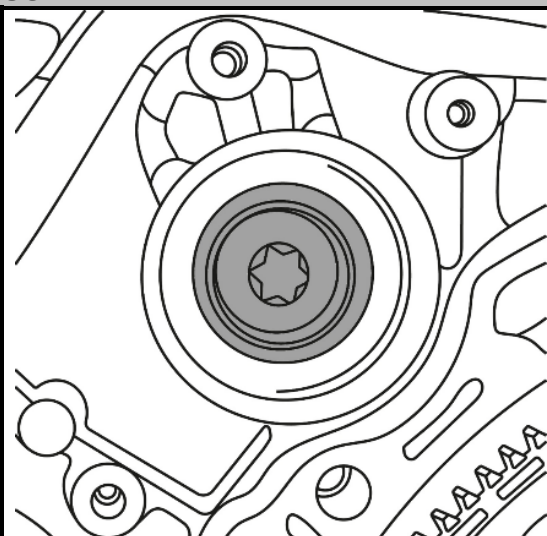
Camshaft adjuster locking tool (13),
to be used as OEM 256 589 02 31 00



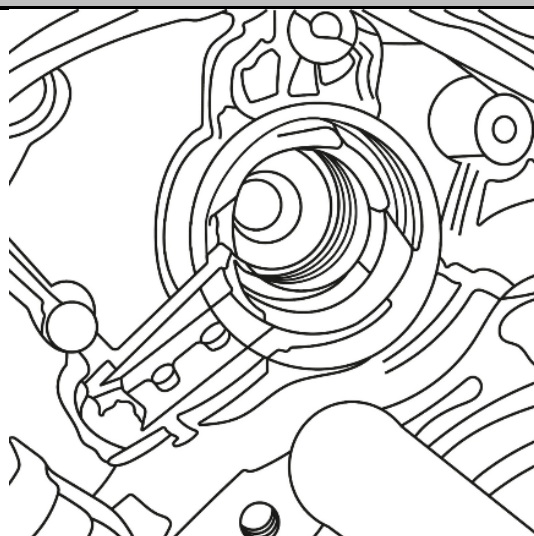
Crankshaft setting tool (10),
to be used as OEM 654 589 00 21 00



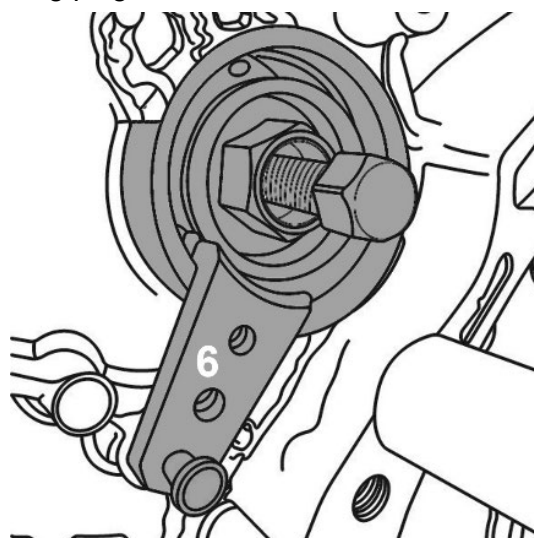
USE



1. Remove the sealing plug.



2. Sealing plug removed.



3. Diesel high-pressure pump puller (6),
to be used as OEM 654 589 00 14 00