

# GEDORE

TOOLS FOR LIFE

## Locking Tool Set for camshafts



**KL-0482-440 A**  
**KL-0482-441**  
**KL-0482-442 A**

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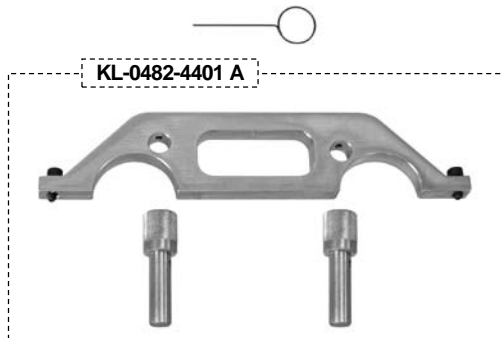
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### KL-0482-440 A

Vauxhall/Opel



### KL-0482-440 A Locking Tool Set for camshafts

Suitable for Vauxhall/Opel TwinCam petrol engines 2.2 L 16V (Z22SE) on Astra, Signum, Speedster, Vectra and Zafira etc.

### Field of Application

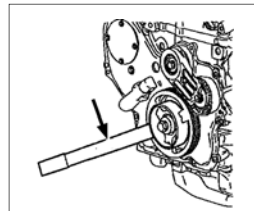
For locking or positioning camshafts and the timing chain tensioner during engine repairs.

### Specification

Part No.	Description	Qty.
KL-00482-440 A	Locking Tool Set for camshafts	1
consists of:		
KL-0180-3012	Locking pin Ø 1.2 mm	1
KL-0482-4401 A	Locking tool for camshafts Vauxhall/Opel 2.2 L 16V	1

### KL-0482-441

Vauxhall/Opel



### KL-0482-441 Reaction Wrench

Suitable for Vauxhall/Opel TwinCam petrol engines 2.2 L 16V (Z22SE) on Astra, Signum, Speedster, Vectra and Zafira etc.

### Field of Application

This tool is used to lock the crankshaft belt pulley while loosening and tightening the crankshaft central screw (e.g. during engine repairs).

### KL-0482-442 A

Vauxhall/Opel



### KL-0482-442 A Locking Tool for water pumps

Suitable for Vauxhall/Opel TwinCam petrol engines 2.2 L 16V (Z22SE) on Astra, Signum, Speedster, Vectra and Zafira etc.

### Field of Application

To remove and install the water pump it is necessary to lock the water pump belt pulley by means of tool **KL-0482-442 A**.



### Warnings and Notes

- Any work on engines should only be performed by qualified personnel observing and complying with the directions, provisions, and safety regulations issued by the vehicle manufacturer!
- Only the vehicle manufacturer's data apply to all work done on the vehicle.
- All specific vehicle data stated herein are supplied under reserve.