



## CAMSHAFT ADJUSTMENT

ENGINE CONTROL | 11316

Modern engines have a **camshaft adjustment system**, also known as variable camshaft or valve timing.

The adjustment of the valve opening times and the valve lift increases the efficiency of the engine and, through the correct adaptation to the respective load condition of the

engine, enables a significant torque gain at low rpm, an increase in performance at high rpm, good exhaust gas values at idling speed, as well as fuel savings in all operating conditions.

**VAICO** offers corresponding **EXPERT KITS+**, which depending on the engine,

contain the **camphasers** and **control valves** as well as the required **assembly material (e.g. gaskets and screws)**.

With our **repair kits**, we offer **premium quality, high vehicle coverage** and **high availability**.



### SYMPTOMS

- Rattling noises from the engine compartment
- unusual fuel odor
- Powerloss
- Engine indicator light



### FAILURE REASONS

- Deposits through the oil circuit



### CONSEQUENTIAL DAMAGE

- Engine breakdown



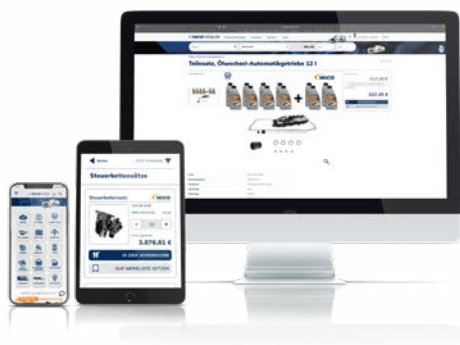
### RECOMMENDED BY AN EXPERT

- Check the belt or chain drive
- replace only by a specialist workshop
- Simultaneous change of control chain and control valves



### MOUNTING TIP!

Put the camphasers in fresh oil for at least 30 minutes before installation. This ensures direct and perfect lubrication of the components when the engine is started for the first time. Please observe the oil specification of the vehicle manufacturer.



### REPAIR KITS, CAMSHAFT PHASING FROM VAICO

Over 15 **EXPERT KITS+** and over 500 components at [www.vierol-shop.de](http://www.vierol-shop.de)

- Camshaft phaser and valves in **Q+ OEM-quality**
- high market coverage
- strong availability
- high wear resistance

