

The trend is towards timing chain driven vehicles

Motor vehicles are increasingly being fitted with engines with timing chain drive as original equipment, and more than half of all new registrations already have one. Modern engines, especially direct-injection turbo-diesel and gasoline engines, require high resistance to wear due to the moving components. The installed materials are exposed to constant extreme loads due to vibrations and forces occurring in the engine and the use of unsuitable oil. During an inspection, wear of the materials is often not noticeable, as these components work in secret, which can lead to engine damage. When it comes to the motor, no savings should be made when replacing the chain drive.

The cost of this high-quality kit will pay off throughout the entire life of the car, as less wear and tear and lower repair costs can be expected compared to the installation of standard chains.

With the timing chain kits from the OE supplier iwis, AIC distributes a broad and technically intelligent spare parts program.



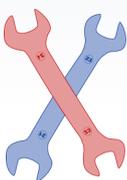
ANOMALIES

- Clattering or rattling in the engine (chain noises)
- Power loss of the motor
- Uneven engine running
- Exhaust control lamp lights up. Fault memory entries in relation to combustion or position of the crankshaft to camshaft



CAUSES

- Non-compliance with oil change intervals
- Incorrect oil pressure
- Incorrect engine oil
- Incorrect viscosity of the oil (too thick or too thin)
- Oil coking
- High soot content in oil
- No replacement of all chain drive components
- Lengthening of the timing chain
- Too much condensed water or fuel in the oil during short distance operation
- Incorrect driving behaviour
- Wear of the joints



IMPORTANT NOTE

The complete timing chain system should always be replaced, as all components of the chain drive are perfectly matched to ensure trouble-free interaction. This contributes to a long service life of the engine and avoids costly consequential damage. **You can rely on original iwis timing chain sets.**