

Invented for life



BOSCH

Main drive

Timing belts, timing belt kits and water pump kits –
for powerful, synchronous power transmission in the engine



Main drive

Overview

In daily use, Bosch main drive technology delivers maximum performance – despite high mechanical, chemical, and thermal loads. Timing belts, timing belt kits and water pump kits are designed for this purpose and impress with their high resilience and long service life.

Technology for efficient power transmission

In modern engines, the main drive is subject to heavy strains. Regular timing belt replacement has become a key element on all maintenance schedules. Efficient power transmission can only be achieved complying with the replacement intervals specified by the vehicle manufacturers. For quick and safe replacement, Bosch also provides complete sets such as timing belt and water pump kits – i.e. vehiclespecific solutions with perfectly matched components.

Preventing damages with regular service




Vehicle manufacturers specify fixed service intervals for both timing belts and wearing parts. Replacing all relevant components prevents belt damages and contributes to reliable engine management.

Bosch water pump and timing belt kits are available for common vehicles and are meeting the same specifications as original equipment ones.



Main drive Program



	Timing belts	Timing belt kits	Water pump kits
	<p>Synchronized power transmission with low noise and high safety throughout the entire service life: Bosch timing belts</p>	<p>Long-term power transmission that is efficient and synchronized: The Bosch timing belt kits are vehicle-specific and contain all components.</p>	<p>Long-term power transmission that is efficient and synchronized: The Bosch timing belt/water pump kits are vehicle-specific and contain all components, including the coolant pump driven by the timing belt.</p>
Scope of application			
Advantages at a glance	<ul style="list-style-type: none"> ■ high operation safety ■ high comfort ■ outstanding power transmission ■ cords with high longitudinal stability 	<ul style="list-style-type: none"> ■ quick and professional replacement ■ safe and space-saving installation ■ high reliability 	<ul style="list-style-type: none"> ■ quick and professional replacement ■ safe and space-saving installation ■ high reliability

Workshop tip

Tie bolts used once must be replaced every time.

If required, such fastening parts are included in the Bosch timing belt kits.



ESI[tronic] 2.0 Online Software



ESI[tronic] 2.0 Online diagnostic software supports during the replacement of timing belt and water pump kits. Vehicle-specific advices save valuable time to the workshop and prevents assembly errors.

Timing belts

Product details

Synchronised power transmission with low noise and high safety throughout the entire service life: **Bosch timing belts.**



Advantages at a glance

- engine-specific rubber compound and belt design for **high operation safety**
- quiet running for **high comfort**
- engine-specific tooth profile for **reliably synchronous power transmission**
- **cords with high longitudinal stability** due to usage of fiberglass
- **protection of the teeth** due to a high quality cover fabric



Belts in oil

Compared to chain drives, oil-bath-driven timing belts feature significantly reduced friction losses. This results in reduced fuel consumption and CO₂ emissions. Additional advantages compared to the chain drives used so far:

- increased engine performance
- reduced pollutant emissions
- smooth engine operation
- reduced noise level

Timing belt kits

Product details

Vehicle-specific kits – complete, including all required components – ensure powerful and synchronized long-term power transmission.



Advantages at a glance

- **quick and professional replacement** thanks to precisely matched components tested according to the same specifications as original equipment
- **safe and time-saving installation** thanks to vehicle-specific installation instructions in ESI[tronic] 2.0 Online
- **particularly high reliability** due to comprehensive functional and endurance tests of all components

Workshop tip

Timing belt kits pay off for the workshop:

- workshops save time with every order and benefit from more storage space – with only one order number for all parts
- all relevant components in one operation – fewer workshop visits and an all-round service increase customer satisfaction in the long term
- avoidance of warranty claims by reducing consequential damages – while replacing associated components when changing the belt

Water pump kits

Product details

Water pump kits coming with all required components – including the timing belt driven water pump – ensure powerful and synchronous long-term power transmission.

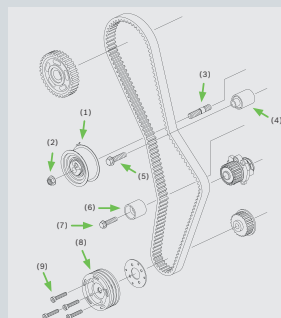


Advantages at a glance

- **quick and professional replacement** thanks to precisely matched components, which are tested according to the same specifications as original equipment
- **safe and time-saving installation** thanks to vehicle-specific installation instructions in ESI[tronic] 2.0 Online
- **particularly high reliability** due to comprehensive functional and endurance tests of all components

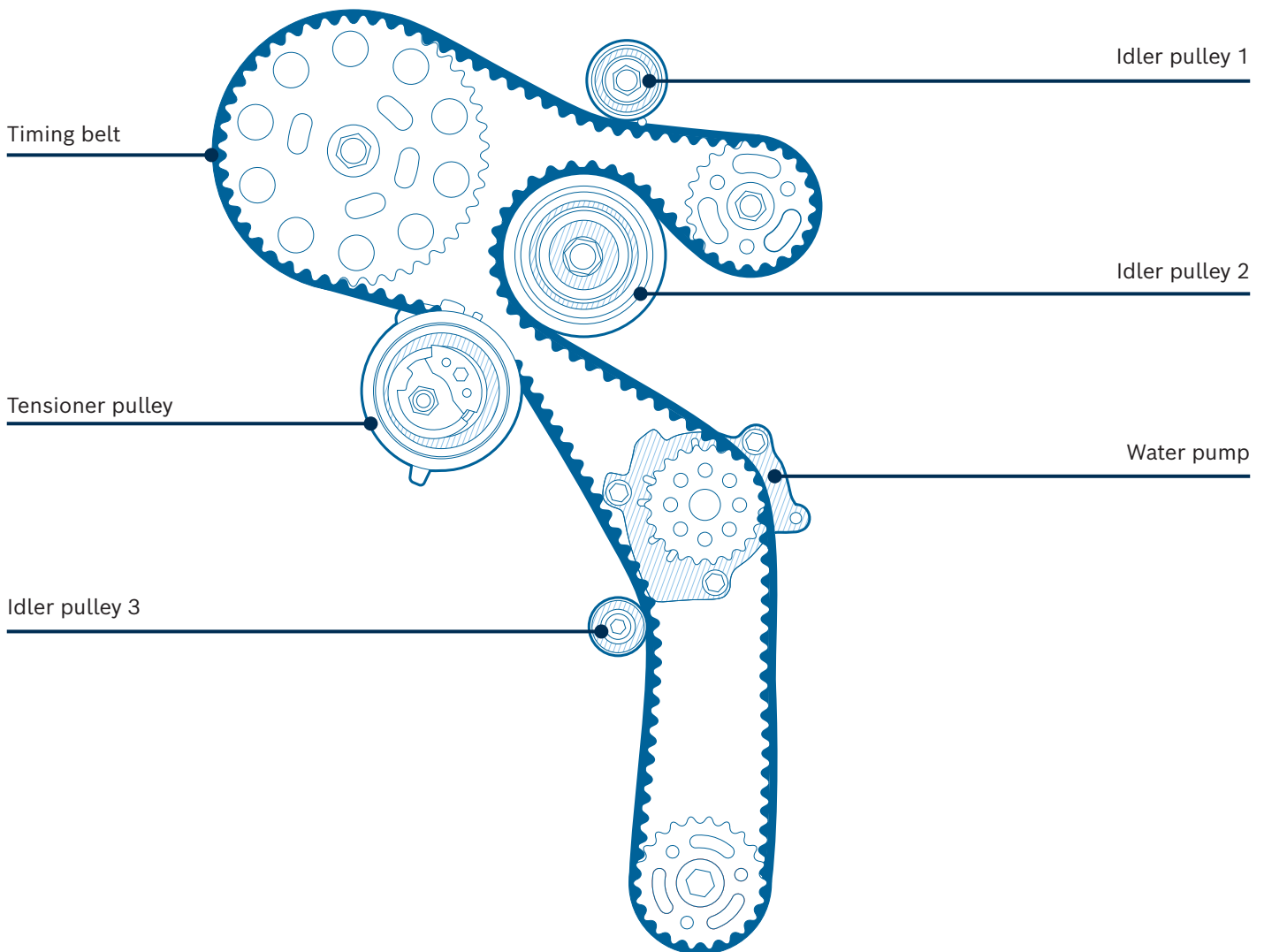


Technical information



To support repairs and maintenance in workshops, Bosch offers a whole range of clear and easy-to-understand technical information.

Main drive Technology



Interaction of all components in the system
Timing belts, timing belt kits and water pump
kits – complete with all components – ensure
a powerful and synchronous long-term power
transmission.



4 questions to the workshop customers

- Do you know when the toothed belt was changed the last time?
- Is the mileage below 60,000 km?
- Do you intend to keep the vehicle for less than 6 months?
- Do you drive less than 2,000 km a year?

Workshop tip: An engine failure due to of a defective toothed belt will certainly cause very high costs. Replacing timing belts, tension pulleys and water pumps as a preventive measure can save a lot of money in the end.

What drives you, drives us

Bosch technologies are used in most vehicles worldwide. People, and assuring their mobility, is what we are focused on.

Therefore, we have dedicated over 130 years of pioneering spirit and expertise in research and manufacturing to achieving this.

We provide the aftermarket and workshops worldwide with modern-diagnostic and workshop equipment and a wide range of spare parts for passenger cars and commercial vehicles:

- solutions for efficient and effective vehicle repairs
- innovative workshop equipment and software
- one of the world's most comprehensive ranges of new and exchange parts
- large network of wholesale customers, for quick and reliable parts supply
- competent technical support
- comprehensive educational and training offers
- targeted sales and marketing support

Find out more at:
boschaftermarket.com

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