



# Good is in the details

## SKF Engine Timing Belt kits

### Timing Belt Kits Replacement.

SKF introduced the timing belt kit concept to the automotive aftermarket over 30 years ago and continue to pursue the best products to offer our clients.

When the car has reached the service period recommended by the manufacturer, all parts of the timing drive should be replaced at the same time as they are all subjected to wear and tear. Whether the car has a timing belt or a timing chain system, SKF offers complete kits systems solutions containing all the necessary components and all fixations and seal required for a professional and complete belt replacement. SKF has over 1000 different kits solutions. F spanning from complete Water pump Timing Belt kits and Timing Chain kits to mid-size kits and single component kits providing customers with the greatest flexibility made possible; SKF Kits content can be customized on customer specific demand.

#### The kits content

*Timing belts* must meet the highest production standards and quality; From HNBR rubber material, Glass cord, to Aramid reinforcement, SKF Belts follows strictly OE technology and high-grade materials in compound formulations. SKF Aftermarket

Timing Belts meet or exceed OE standards of function, performance, and fit. Resistant to heat, wear, and contamination.

*Timing tensioner* are highly precise components designed to optimize the belt tension by automatically make up for the thermal variations in the engine. The bearing, the seal, the spring and the grease are critical sub-components in the tensioner. SKF bearing and seals expertise has allowed an optimal materials selection for high loads and temperatures resistance. Our tensioners are optimized for each application to have the OEM performance and endurance.

*The SKF Aquamax* water pumps are already a reference in the market. The characteristic for the Aquamax pumps is that only the best mechanical seal materials are used in combination with highest quality bearings. The performance is controlled for each reference to assure that the pump has the same hydraulic performance as the OE water pump. The SKF Aquamax pumps have even gone beyond the performance of the OEM pumps by improving the robustness compared to the OE pump when the OEM pumps has shown some fragility in the field.

Our central focus is to offer the most reliable quality maintenance kits with components and fitting accessories adapted for each car application. SKF Timing kits matches the OEM specifications and covers 97,5% of the car park range available in the market. Customers can choose the Kit solution that fits best their possibilities: Single kits components for an individual repair solution. Timing belt Kits without the Water pump for an economic service. Water pump Timing Belts kits for a complete system revision at an optimized service cost.

Timing Chain kits for a complete overhaul system repair revision.

Timing Chain kits without sprockets

Timing Chain kits with reduced fittings content | customized on customer request

Not inspecting the car at the interval recommended by the car manufacturer can result in having to replace the complete engine. Make it safe and reliable with SKF Timing Kits solutions.

#### Technical Tips for timing kit replacement:

##### *Inspect the Vehicle*

Inspection is the most critical first step that must be performed before the first bolt is removed from the timing belt cover. The inspection needs to include looking for the usual leaks and inspecting the oil, motor mounts and accessory drive belt components. The inspection has a few benefits.

##### *Mileage and Time*

The time period is just as important as the mileage because the belt is exposed to an environment that breaks down the belt's materials when it is not used. This type of damage is called oxidation, and it can be caused by oxygen and ozone.

##### *Count The Teeth*

Use the VIN and/or engine code to order the replacement belt and use a high-quality belt that matches the OEM specifications like SKF. This is important to guarantee that you get the right belt. In rare cases, the new belt will not have the same exact length as the original belt. This could be due to a cataloging error.

##### *Take a Picture*

Use your phone to take a picture of the old belt on the vehicle to help you make sure the new belt is fitted identically. It will help you save time.

##### *Replace the Water Pump*

If the water pump is driven by the timing belt It is recommended that it replaced at the same time. There is no guarantee that it will not fail until the next service interval is due and, if the pump fails, it could contaminate the belt and cause tension and alignment problems. It is also an excellent time to perform a cooling system flush and fill because typically the intervals are very close together.

At all times follow strictly the car manufacturer instructions and recommendations.

## What is inside matters

Beyond dimensional fit parts there is a technology in materials, design and performance that follows each component that has been tested and secured per car application. SKF systems knowledge expertise is inside our kits.

For technical support and insights, visit: [vehicleaftermarket.skf.com](http://vehicleaftermarket.skf.com) or scan the QR code to know more about the SKF Steering & Suspension products.



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Contact SKF Technical Support to help resolve automotive problems and answer your questions:

