

#BECLEVER



# REPAIR KITS ENGINE CONTROL

OUR SMART EXPERT KITS+

FOR A SMOOTH CHANGE



PREMIER

TecDoc®  
DATA SUPPLIER



# VAICO

ENGINE & TRANSMISSION PARTS  
BY VIEROL

The VAICO quality brand stands for high-quality automotive parts. Our focus is therefore on the heart of the car: the engine and the transmission.

As a specialist in the independent parts market, and one that is known worldwide, we offer an extensive range of products, from suction modules to venting hoses and cylinder head covers. We cover more than 13,000 different vehicle models.

Our VAICO parts even cover 95 per cent of the German vehicle market. Whether transmission filters and sets, oil pans, or housing – VAICO offers the best quality products. Suitable transmission oil is also available, in addition to engine oil, antifreeze or additives.

Our range has been bolstered by innovative repair sets from the Expert Kits+ selection. These kits include sets for changing oil, repair kits with hoses and venting valves or transverse control sets. The Q+ seal identifies parts with OEM quality, just like those made by the original equipment manufacturers.

Our competent expert team works everyday to optimise our VAICO automotive parts and to extend our range. Our aim is to have satisfied customers all around the world.

## TIMING BELT KITS

### Efficiency meets innovation – timing belt technology for modern combustion engines

With its VAICO Timing Belt Expert Kits+, VAICO offers an innovative solution for modern engine designs that combines maximum efficiency, durability and ease of maintenance. This 'belt-in-oil' technology represents the next stage in the development of classic timing belt drives and combines the advantages of proven belt technology with lubrication using high-quality engine oil.

### THE ADVANTAGES OF OUR EXPERT-KITS+ AT A GLANCE

#### → Maximum efficiency

VAICO EXPERT-KITS+ timing belts run quietly and with low vibration. The reduced friction increases the efficiency of the engine and helps to reduce fuel consumption.

#### → Compact construction

Belt-in-oil technology enables space-saving design and reduces the weight of the drive system – a plus point for modern downsizing engines.

#### → Quiet & reliable

The oil supplied with our kits dampens running noise and at the same time protects against temperature fluctuations thanks to the high-quality additives in the enclosed engine oil.

### Perfectly matched – the right VAICO oil

For optimum performance, we recommend our specially formulated VAICO motor oil in OEM quality. It has been developed specifically for use with belt-in-oil systems and offers the following advantages:

- excellent material compatibility with belts and seals
- stable viscosity even at extreme temperatures
- minimal foaming and thus constant lubrication
- maximum thermal stability for long oil change intervals

Only the VAICO EXPERT KITS+ timing belt in combination with VAICO oil creates a perfectly coordinated system – for maximum performance and reliability in the engine compartment.



# TIMING BELT: PART OF THE MOTOR CONTROL

COOLING | 15001

## Information

The tooth belt or also called timing belt, is a basic component of the motor control system. It has the important function to connect the crankshaft with the two camshafts and to transmit the rotation power of the crankshaft on the camshafts. By transferring the rotational force on the camshafts, the control valves controlled within the camshaft (cylinder control), whereby the optimal combustion inside the engine compartment is guaranteed. The timing belt also connects various belt pulleys of individual auxiliary units with each other, so that in addition to the correct functioning of the engine, also the driving comfort is controlled by the timing belt.

### The following units can be driven via the timing belt:

- Generator -> supply of electrical consumers (light, heating, ABS, ESP)
- Hydraulic pump
- Power steering -> driver support while steering
- A/C compressor -> regulation of the temperature of the passenger compartment
- Fan -> cooling of the coolant circuit
- Water pump -> circulation of the coolant, reduction of motor heating

The timing belt is usually made of rubber, polyurethane or synthetic rubber. For an increased

longevity is also guaranteed by glass fibre, aramid or nylon fabric which is incorporated into the belt. Since the toothed belt is exposed to large forces, wear marks (minimal cracks in the surface) are visible after a certain time. First symptoms of a abrasion are for example rapid drop in performance or uneven gear of the engine. Since the timing belt plays an important role in motor control, it is all more important to ensure the smallest signs of abrasion and to observe manufacturer's intervals. In addition, when installing the timing belt, please observe the correct voltage according to manufacturer's specifications so that the toothed belt can not skip. If the above points are not complied with, the worst case is a engine damage.



### SYMPTOMS

- Motor does not run
- Noises from the belt drive
- Heavy soot formation
- Unusual smells of the exhaust gases
- Rapid power loss



### REASONS FOR FAILURE

- Abrasion
- Toothed belt torn



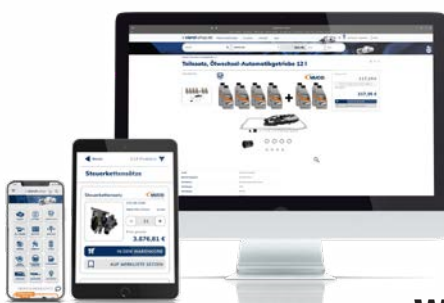
### CONSEQUENTIAL DAMAGES

- Engine damage



### RECOMMENDED BY THE EXPERTS

- Change intervals according to note vehicle manufacturer
- Toothed belt replacement only by carry out a specialist workshop let
- Simultaneous change of the water pump, tension pulley and idler pulley



## WATER PUMPS + TIMING BELT SETS

You can find the entire range at [www.vierol-shop.de](http://www.vierol-shop.de)

- **Perfectly co-ordinated:** Save time when identifying parts
- **High quality:** Made in Germany, Made in Europe

# WATER PUMPS + TIMING BELT SETS =



## EXPERT KITS+

The EXPERT KITS+ articles consist of:



Engine oil



Water pump



Oil filter



Tension roller



Tension roller

Screw, crankshaft pulley



Auxiliary drive belt



Timing belt Engine



Gasket sets

Pulley



Timing belt Oil pump



Oil drain plug

Screw set

Crankshaft friction disc



## FORD ECOBOOST

### WATER PUMP & TIMING BELT KIT



Ford B-MAX, C-MAX, Ecosport, Fiesta, Focus, Mondeo

X-Ref 1807611 kit\*

**V25-3148**

### WATER PUMP & TIMING BELT KIT



Ford B-MAX, C-MAX, Ecosport, Fiesta, Focus, Mondeo

X-Ref 1807611 kit 2\*

**V25-3224**

## FORD ECOBLUE

### TIMING BELT KIT



Ford Transit Custom, Transit V363 Bus, Transit V363 Kasten

X-Ref 2 580 919 kit\*

**V25-3230**

### TIMING BELT KIT



Ford Focus, Galaxy, Kuga, Mondeo, Ranger, S-MAX, Tourneo Connect

X-Ref 2 580 919 kit 2\*

**V25-3231**

\* For detailed vehicle information, please refer to the vehicle lists under [www.vierol-shop.de](http://www.vierol-shop.de).

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# STELLANTIS PURETECH

WITH OIL

## TIMING BELT KIT



Citroën/Peugeot/Opel/DS

Info 1.2 PureTech Turbocharged / 101-131 PS

X-Ref 16 545 158 80 kit\*

**V22-1425**

## TIMING BELT KIT



Citroën/Peugeot/Opel/DS

Info 1.2 PureTech Suction motor / 68-83 PS

X-Ref 16 545 156 80 kit\*

**V22-1424**

## TIMING BELT KIT



Citroën/Peugeot/Opel/DS

Info 1.2 PureTech Suction motor / 72-82 PS

X-Ref 16 088 875 80 kit2\*

**V22-1423**

## TIMING BELT KIT



Citroën/Peugeot/Opel/DS

Info 1.2 PureTech Turbocharged / 110-131 PS

X-Ref 16 088 875 80 kit\*

**V22-1422**

\* For detailed vehicle information, please refer to the vehicle lists under [www.vierol-shop.de](http://www.vierol-shop.de).

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**WITHOUT OIL**

**TIMING BELT KIT**



**Citroën/Peugeot/Opel/DS**

**Info** 1.2 PureTech Turbocharged / 110 -131 PS

**X-Ref** 16 088 875 80 kit 3\*

**V22-1413**

**TIMING BELT KIT**



**Citroën/Peugeot/Opel/DS**

**Info** 1.2 PureTech Suction motor / 72-82 PS

**X-Ref** 16 088 875 80 kit 4\*

**V22-1414**

**TIMING BELT KIT**



**Citroën/Peugeot/Opel/DS**

**Info** 1.2 PureTech Suction motor / 68-83 PS

**X-Ref** 16 545 156 80 kit 2\*

**V22-1411**

**TIMING BELT KIT**



**Citroën/Peugeot/Opel/DS**

**Info** 1.2 PureTech Turbocharged / 101-131 PS

**X-Ref** 16 545 158 80 kit 2\*

**V22-1415**

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# VW 1.5 TSI

**VOLKSWAGEN**

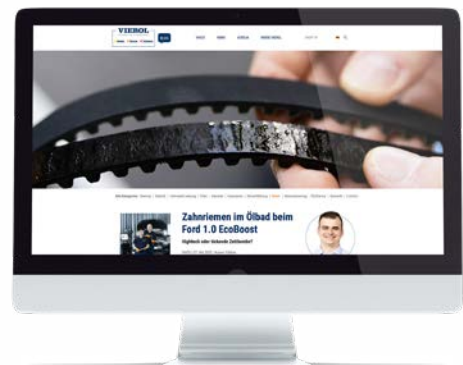
## WATER PUMP & TIMING BELT KIT



**VW** Arteon, Caddy, Golf, Polo, Multivan, Passat, Tiguan, Touran

X-Ref 05E 121 111 R kit\*

**V10-50114**



**VIEROL BLOG**





Timing belt in oil bath on Ford 1.0 EcoBoost



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# TIMING BELT KITS

Brand	Article No.	X-Ref*	Applications
AUDI/VW 	V10-50105-BEK	045 121 011 F kit	A2, A3, Caddy, Fox, Golf V, Polo, T5, Touran
	V10-50105	045 121 011 F kit1	A2, A3, Caddy, Fox, Golf V, Polo, T5, Touran
	V10-50106-BEK	06B 121 011 Q kit	A3, A4, Caddy, Jetta, Golf IV, Passat, Polo
	V10-50106	06B 121 011 Q kit1	A3, A4, Caddy, Jetta, Golf IV, Passat, Polo
	V10-50107-BEK	03L 121 011 J kit	A1, A3, A4, A5, Golf VI, Passat, Touran
	V10-50107	03L 121 011 J kit1	A1, A3, A4, A5, Golf VI, Passat, Touran
	V10-50108-BEK	038 121 011 K kit	Bora, Golf IV, Ibiza, Leon, Toledo
	V10-50108	038 121 011 K kit1	Bora, Golf IV, Ibiza, Leon, Toledo
	V10-50109-BEK	036 121 008 M kit	Caddy, Golf IV, V, Ibiza, Leon, New Beetle, Polo
	V10-50109	036 121 008 M kit1	Caddy, Golf IV, V, Ibiza, Leon, New Beetle, Polo
	V10-50110-BEK	038 121 011 K kit	A3, A4, A6, Alhambra, Golf IV, Passat, Sharan
V10-50110	038 121 011 K kit1	A3, A4, A6, Alhambra, Golf IV, Passat, Sharan	
FORD	V25-50036-BEK	1 351 130 kit	C-Max, Fiesta, Focus, Fusion
OPEL	V40-50063-BEK	13 34 142 kit	Astra, Corsa, Insignia, Meriva, Vectra
RENAULT 	V46-50023-BEK	21 01 018 32R kit	Clio II, III, IV, Kangoo, Sandero, Twingo, Modus
	V46-50023	21 01 018 32R kit1	Clio II, III, IV, Kangoo, Sandero, Twingo, Modus
	V46-50024-BEK	21 01 052 96R kit	Clio II, III, Duster, Kangoo, Laguna, Megane, Scenic
	V46-50024	21 01 052 96R kit1	Clio II, III, Duster, Kangoo, Laguna, Megane, Scenic



**EXPERT-KITS+ with suitable coolant**





All articles from  
this brochure on  
[www.vierol-shop.de](http://www.vierol-shop.de)



# ALL ASSORTMENTS ON [WWW.VIEROL-SHOP.DE](http://WWW.VIEROL-SHOP.DE)



## WE ARE ALWAYS THERE FOR YOU!

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Dealer stamp

