

# TIMING CHAIN KITS FOR 1.2 TSI ENGINES

TIMING CHAIN KITS | 11305

The elongation of the timing chain, which is already known from many engines, occurs increasingly in 1.2 TSI engines of the VW Group that were built before October 2011. The problem can be recognised by the following symptoms:

- Rattling noises
- Chain jumps (misaligned timing)
- Rough running of the engine
- The engine control lamp lights up

Without appropriate repair, in the worst case, the chain may break, resulting in engine damage. Vehicles with this engine were therefore equipped with a revised and optimised chain drive from October 2011. In addition to a wider chain,

an optimised chain guide and the improved chain tensioner, the cam and crankshaft gears were also revised so that the problems could be significantly reduced.

VAICO offers a wide range of timing chain kits here, which include the required individual parts depending on the desired scope of repair. With the EXPERT KITS V10-10013 and V10-10013-SP, it is even possible to optimise the susceptible chain drive on vehicles before October 2011 or to upgrade to the improved individual components.


 VAICO EXPERT KITS+ support chain sets suitable for **Audi, Seat, VW, Škoda with 1.2 TSI engines**

| Contents:                      | X-Ref:<br>03F 109 158 K kit2*<br><b>V10-10012-BEK</b> | X-Ref:<br>03F 109 158 K kit3*<br><b>V10-10012-SP</b> | X-Ref:<br>03F 109 158 K kit*<br><b>V10-10012</b> | X-Ref:<br>03F 109 158 G kit2*<br><b>V10-10013-BEK</b> | X-Ref:<br>03F 198 158 B*<br><b>V10-10013-SP</b>                                       | X-Ref:<br>03F 109 158 G kit*<br><b>V10-10013</b> |
|--------------------------------|-------------------------------------------------------|------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------|
| Timing chain                   | 1 x                                                   | 1 x                                                  | 1 x                                              | 1 x                                                   | 1 x                                                                                   | 1 x                                              |
| Tensioner, timing chain        | 1 x                                                   | 1 x                                                  | 1 x                                              | 1 x                                                   | 1 x                                                                                   | 1 x                                              |
| Sliding rail                   | 2 x                                                   | 2 x                                                  | 2 x                                              | 2 x                                                   | 2 x                                                                                   | 2 x                                              |
| Gear wheel, camshaft           | -                                                     | 1 x                                                  | 1 x                                              | -                                                     | 1 x                                                                                   | 1 x                                              |
| Gear wheel, crankshaft         | -                                                     | -                                                    | -                                                | -                                                     | 1 x                                                                                   | 1 x                                              |
| Shaft seal ring for crankshaft | -                                                     | 1 x                                                  | 1 x                                              | -                                                     | 1 x                                                                                   | 1 x                                              |
| Screw, crankshaft gear         | -                                                     | 1 x                                                  | 1 x                                              | -                                                     | 1 x                                                                                   | 1 x                                              |
| Screw, camshaft sprocket       | -                                                     | 1 x                                                  | 1 x                                              | -                                                     | 1 x                                                                                   | 1 x                                              |
| Bearing bolt, slide rail       | -                                                     | -                                                    | 3 x                                              | -                                                     | -                                                                                     | 3 x                                              |
| Engine oil 5W30, Longlife      | -                                                     | -                                                    | 5 litres                                         | -                                                     | -                                                                                     | 5 litres                                         |
| Oil filter                     | -                                                     | -                                                    | 1 x                                              | -                                                     | -                                                                                     | 1 x                                              |
| Drain plug                     | -                                                     | -                                                    | 1 x                                              | -                                                     | -                                                                                     | 1 x                                              |
|                                | Until October 2011                                    |                                                      |                                                  | As from<br>October 2011                               | Without date limit<br>(before 10/2011 only when replacing<br>all components together) |                                                  |

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

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