HEPU®

MADE IN GERMANY
SINCE 1958

HEPU VANATEC™

WARRANTY TERMS & INSTALLATION GUIDELINES

HEPU VANATEC™ timing chain kits are engineered to deliver outstanding durability, reliability and long-lasting engine performance.

To ensure optimal performance and maintain warranty eligibility, proper installation, correct vehicle maintenance and adherence to the following conditions are essential.

1. Warranty Coverage

1. The HEPU VANATEC™ warranty covers defects in materials and manufacturing of the components supplied as part of the original timing chain kit.
2. **Warranty Period: 6 Years or 120,000 km**
3. The warranty starts on the **documented date of installation** and remains valid for up to 6 years or 120,000 km driven from that date, whichever occurs first, subject to the conditions outlined below.
4. The installation date and vehicle mileage at the time of installation must be documented.

2. Warranty Conditions

1. To maintain warranty eligibility, the following requirements must be met:
   a) **Professional Installation:** The timing chain kit must be installed by a qualified automotive technician in accordance with the vehicle manufacturer's repair instructions. The technician must also verify whether any manufacturer service campaigns, technical service bulletins or updated repair procedures apply to the specific vehicle and engine.
   b) **Complete Kit Installation:** All relevant components supplied in the kit must be installed as intended. Replacing supplied components with used parts or components from other manufacturers may invalidate warranty coverage where this contributes to the failure.
   c) **Correct Installation Procedures:** All vehicle-specific timing procedures, tightening torques and required special tools must be observed.
   d) **Proper Engine Maintenance:** The vehicle must have a documented service history in accordance with the maintenance schedule recommended by the vehicle manufacturer.
   e) **Correct Lubrication:** Only engine oil and filters meeting the vehicle manufacturer's specifications may be used. Oil and filter changes must be performed at the prescribed intervals.
   f) **Proper Engine Condition:** The engine's lubrication, cooling, fuel injection and timing-related systems must be in proper working condition before and after installation.

3. Warranty Exclusions

1. The warranty does not cover damage or failures resulting from:
   a) Incorrect installation, improper timing adjustment or failure to follow the vehicle manufacturer's repair procedures.
   b) Inadequate maintenance or the use of unsuitable or contaminated engine oil.
   c) Incorrect oil pressure, lubrication system malfunctions or engine overheating.
   d) Defects in other engine components or systems not attributable to the HEPU VANATEC™ timing chain kit.
   e) Improper use, unauthorized modifications or external mechanical damage.
   f) Reuse of worn or defective components where their condition contributed to the failure.
   g) Failure to follow applicable manufacturer service campaigns, technical service bulletins or updated repair procedures where this contributed to the damage or failure.
2. These exclusions apply only insofar as the respective circumstance caused or contributed to the reported defect or damage.

4. General Installation Guidelines

1. **Always follow the vehicle manufacturer's official repair manual. The following instructions are general guidelines and do not replace vehicle-specific procedures.**

1.1. Preparation

a) Disconnect the battery and allow the engine to cool. Relieve system pressure and drain fluids where required by the manufacturer.
b) Remove the components necessary to access the timing chain system, following the vehicle-specific repair procedure.
c) Position the engine as specified by the manufacturer and secure the crankshaft and camshaft using the required timing tools.

1.2. Inspection & Installation

a) Remove the existing timing chain and associated components according to the manufacturer's instructions.
b) Carefully inspect the sprockets, guides, tensioning system and related engine components for wear or damage.
c) Check the lubrication system and verify that oil supply and pressure meet the manufacturer's specifications.

d) Install all relevant new components supplied with the HEPU VANATEC™ kit. Do not reuse worn or defective components.

e) Apply the specified tightening torques and follow the correct tensioner installation and activation procedures.

f) Install the new timing chain and carefully align all timing marks. Never force components into position.

1.3.Final Verification

a) Rotate the engine manually in the specified direction and verify correct timing and unrestricted movement.

b) Reinstall all removed components using the specified seals, gaskets and tightening procedures.

c) Replace the engine oil and oil filter where required by the vehicle manufacturer's instructions or the repair procedure. Ensure all fluid levels are correct.

d) Start the engine and check for abnormal noises, leaks, warning indicators and diagnostic fault codes.

2. **Important:** Vehicle-specific repair instructions, prescribed tightening torques and safety procedures always take precedence over these general guidelines.

5. Additional Information

1. The HEPU VANATEC™ warranty is subject to the applicable warranty terms and conditions.
2. This warranty is provided in addition to, and does not limit or replace, any statutory rights relating to defective products.
3. For additional product information, technical support and warranty assistance, please visit www.hepu.de

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