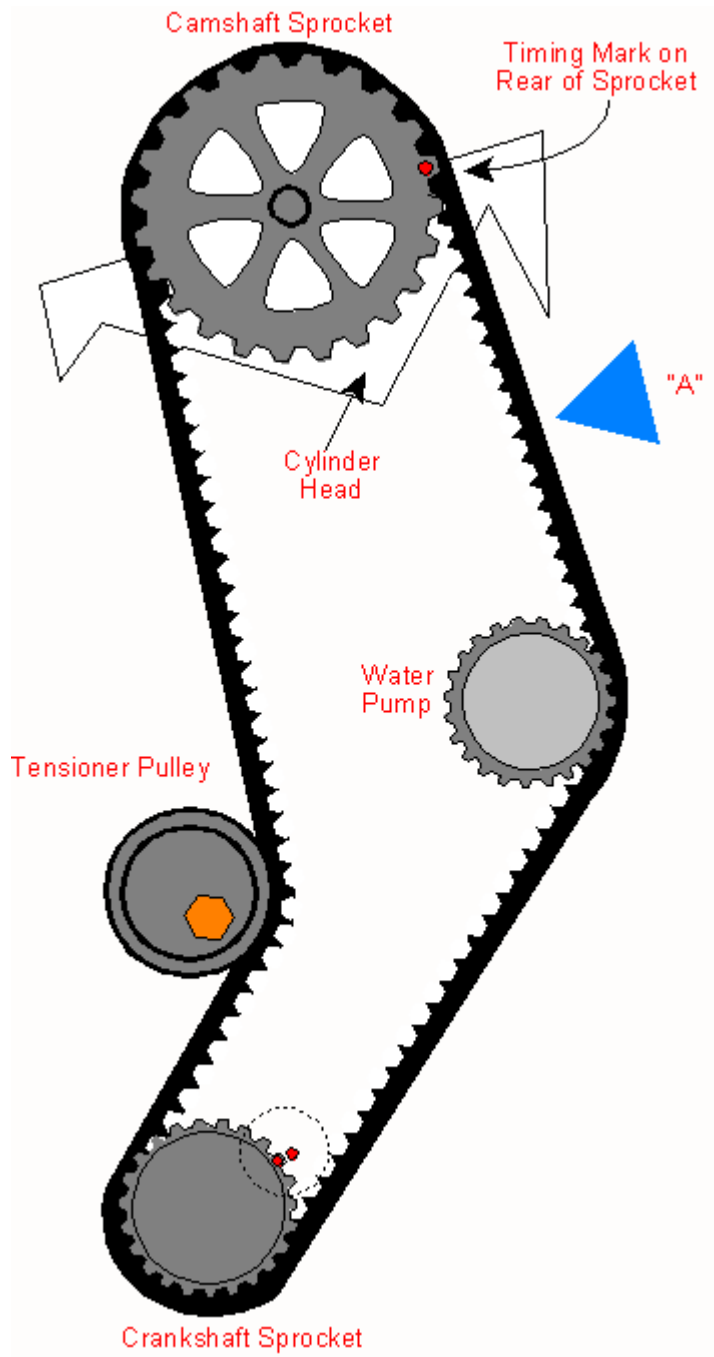


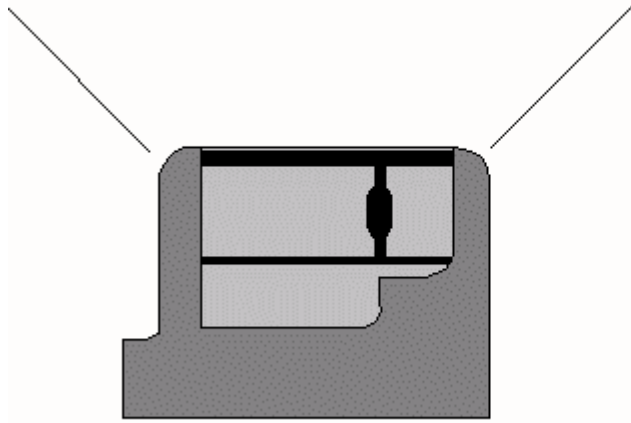
**VOLKSWAGEN TRANSPORTER 2.5L (AAF Engine) 1989-2001 Timing Belt Installation**  
**VOLKSWAGEN TRANSPORTER 2.5L (AET Engine) 1989-2001 Timing Belt Installation**

**Timing Belt Diagram**

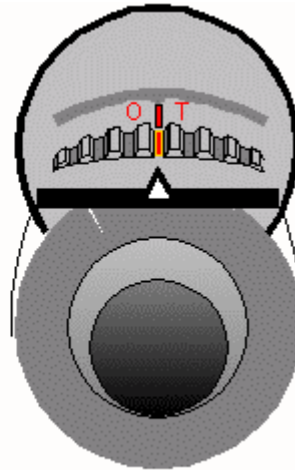


**Removal**

1. Remove Auxiliary Drive Belts.
2. Remove Upper Timing Belt Cover.
3. Turn engine Clockwise until Crankshaft Timing Marks are aligned or
4. Ensure Timing Marks on Flywheel are aligned.



Flywheel



Front Pulley

5. Ensure Camshaft Timing Marks are aligned.  
(The Mark on the rear of the Sprocket aligns with the top of the Cylinder Head)
6. Lock Crankshaft with Special Locking Tool VAG number 3248.
7. Remove Centre Bolt.



This Centre Bolt will be extremely tight.

8. Remove the four Crankshaft Harmonic Balancer Bolts.
9. Remove the Timing Belt Lower Cover.
10. Loosen the Water Pump Bolts.
11. Turn the Water Pump Clockwise to release tension on the Timing Belt.
12. Remove the Timing Belt.

### Installation

1. Ensure all Timing Marks are correctly aligned.
2. Ensure Timing Marks on Flywheel are aligned.
3. Ensure Camshaft Timing Marks are aligned with mark on the rear Timing Belt Cover.
4. Install the Timing Belt in the following order:  
Crankshaft  
Water Pump  
Camshaft  
Guide Pulley.
5. Install the Lower Timing Belt Cover.
6. Install Crankshaft Harmonic Balancer.
7. Torque the four Mounting Bolts.
8. Lock Crankshaft with Special Locking Tool VAG number 3248.
9. Torque the Centre Bolt.
10. Turn Water Pump Anti-Clockwise;  
Until Timing Belt can be just twisted 90° by thumb and forefinger.  
(At the point marked with the blue triangle "A")
11. Torque Water Pump Bolts.
12. Remove the Special Locking Tool VAG number 3248.
13. Turn the Crankshaft two complete turns Clockwise.
14. Ensure all Timing Marks are correctly aligned.
15. Re check the Timing Belt tension.
16. Install the Upper Timing Belt Cover.

17. Install the Auxiliary Drive Belts.

**Tightening Torques**

Crankshaft Pulley Centre Bolt.....	460 Nm.
Crankshaft Harmonic Balancer Mounting Bolts.....	20 Nm.
Water Pump Pulley Bolts.....	20 Nm.

**R&R Time**

2.5 hours.