



Автомобиль	VW (VOLKSWAGEN) / Passat 2.0 16V / 08/1988 - 09/1993 / легковой автомобиль с кузовом седан, автомобиль с кузовом универсал
Страна происхождения	D
Литраж/Мощность	2.0 / 100 kW
Характеристика двигателя	9A
Ключ RB	VWW 749

## Timing Belt

### Replacement Interval Guide

Every 30.000 km - check & adjust, replace if necessary.  
 No manufacturer's recommended replacement interval.

The previous use and service history of the vehicle must always be taken into account.

### Engine Damage

**CAUTION:** Although in the event of a timing belt failure engine damage will NORMALLY occur, a compression check of all cylinders should be performed before removing the cylinder head.

### Repair Times - hrs

Golf/Jetta →1992:	
Check & adjust	0,50
Remove & install	1,10

Golf/Vento 1992→:	
Check & adjust	0,90
Remove & install	1,60

Passat:	
Check & adjust	0,70
Remove & install	1,30

Scirocco:	
Check & adjust	0,50
Remove & install	1,10

Corrado:	
Check & adjust	0,40
Remove & install	1,60

## Special Tools

- | Tension gauge - VAG No.210.
- | Two-pin wrench - Matra V.159.


## Special Precautions

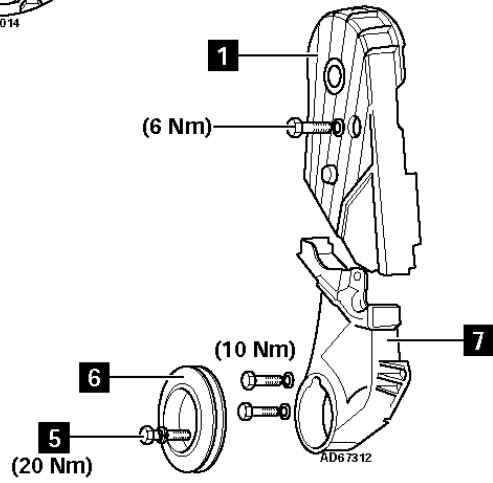
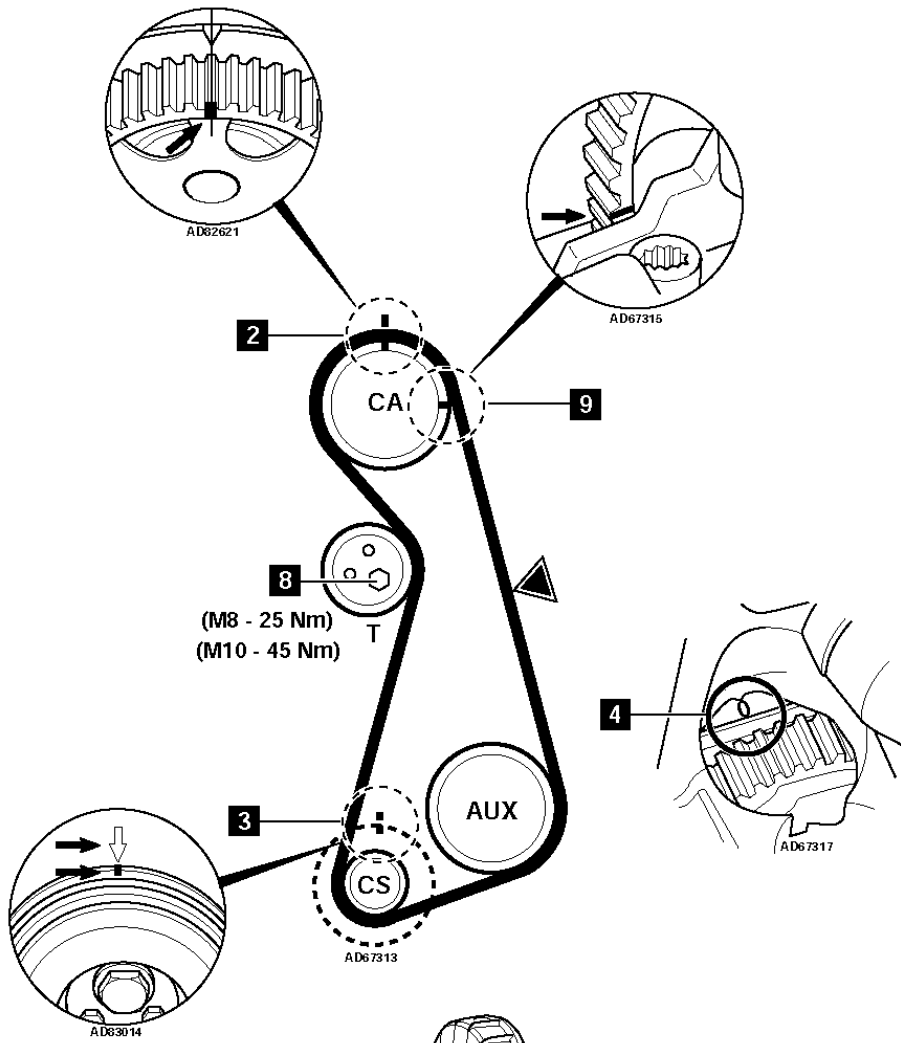
- | Disconnect battery earth lead.
- | DO NOT turn crankshaft or camshaft when timing belt removed.
- | Remove spark plugs to ease turning engine.
- | Turn engine in normal direction of rotation (unless otherwise stated).
- | DO NOT turn engine via camshaft or other sprockets.
- | Observe all tightening torques.

## Removal

1. Remove:
  - | Auxiliary drive belt(s).
  - | Auxiliary drive belt tensioner pulley (if fitted).
  - | Timing belt upper cover [1].
2. Turn crankshaft to TDC on No.1 cylinder. Ensure timing marks aligned [2], [3] & [4].
3. If cylinder head cover removed: Use camshaft sprocket rear timing mark [9].  
**NOTE: Align notch with upper cylinder head face.**
4. Remove:
  - | Crankshaft pulley bolts [5].
  - | Crankshaft pulley [6].
  - | Water pump pulley (if required).
  - | Timing belt lower cover [7].
5. Slacken tensioner bolt [8]. Turn tensioner anti-clockwise to release tension on belt. Lightly tighten bolt.
6. Remove timing belt.

## Installation

1. Ensure timing marks aligned [2] & [4].
2. If cylinder head cover removed: Ensure camshaft sprocket rear timing mark aligned [9].  
**NOTE: Notch aligned with upper cylinder head face.**
3. Fit timing belt in anti-clockwise direction, starting at crankshaft sprocket.
4. Attach tension gauge to belt at  . Tool No.210.
5. Turn tensioner clockwise. Use wrench Matra V.159. Tension gauge should indicate 13-14 units.
6. Tighten tensioner bolt [8]. M8: 25 Nm. M10: 45 Nm.
7. Remove tension gauge.
8. Turn crankshaft two turns clockwise.
9. Ensure timing marks aligned [2] & [4].
10. Recheck belt tension.
11. Install components in reverse order of removal.
12. Tighten crankshaft pulley bolts [5]. Tightening torque: 20 Nm.  
**NOTE: Crankshaft pulley bolt holes are offset.**



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