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Автомобиль	VW (VOLKSWAGEN) / Passat 1.8 Turbo Variant / 05/1997 - 11/2000 / автомобиль с кузовом универсал
Страна происхождения	D
Литраж/Мощность	1.8 / 110 kW
Характеристика двигателя	AEB
Ключ RB	VWW 1886

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## Timing Belt

### Replacement Interval Guide

First at 90.000 km, then every 30.000 km - check (replace if necessary).

→1999 MY: Every 120.000 km - replace.

2000 MY→: Every 180.000 km - replace.

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

Remove & install 2,50

### Special Tools

- | Support guides - No.3369.
- | 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. Raise and support front of vehicle.
2. Remove:
  - i Engine undershield.
  - i Front bumper.
  - i Air filter intake duct.
  - i Front panel bolt [1].
3. Install support guides No.3369 in front panel [2].
4. Remove front panel bolts [3] & [4].
5. Slide front panel forward.
6. Remove:
  - i Auxiliary drive belt.
  - i Auxiliary drive belt tensioner [5].
  - i Timing belt upper cover [6].
7. Turn crankshaft clockwise to TDC on No.1 cylinder. Ensure timing marks aligned [7] & [8].
8. Remove:
  - i Crankshaft pulley bolts [9].
  - i Crankshaft pulley [10].
  - i Timing belt lower cover [11].
9. Slacken tensioner bolt [12]. Turn tensioner clockwise away from belt. Lightly tighten bolt.
10. Remove timing belt.

**NOTE: Mark direction of rotation on belt with chalk if belt is to be reused.**

## Installation

1. Ensure timing marks aligned [8].
2. Fit timing belt to crankshaft sprocket and auxiliary shaft sprocket.
3. Install:
  - i Timing belt lower cover [11].
  - i Crankshaft pulley [10].
  - i Crankshaft pulley bolts [9].
4. Lightly tighten crankshaft pulley bolts [9].
5. Ensure crankshaft pulley timing marks aligned [7].
6. Fit timing belt to tensioner pulley and camshaft sprocket.

**NOTE: Ensure belt is taut between sprockets on non-tensioned side.**
7. Slacken tensioner bolt [12].
8. Turn tensioner anti-clockwise until piston A is fully extended and piston B has risen approximately 1 mm [13]. Use wrench Matra V.159.
9. Tighten tensioner bolt [12]. Tightening torque: 25 Nm.
10. Turn crankshaft two turns clockwise to TDC on No.1 cylinder.
11. Ensure timing marks aligned [7] & [8].
12. Ensure tensioner piston B upper edge aligned with section C or dimension 'X' is 25-29 mm [13].
13. Tighten crankshaft pulley bolts [9]. Tightening torque: 25 Nm.
14. Install components in reverse order of removal.

