

Volkswagen Passat 1998-2005 Workshop Manual

1 Removing and installing cylinder head

Checking compression [4, page 16](#)

Note

- When installing an exchange cylinder head with fitted camshaft, the contact surfaces between the bucket supports and the cam must be oiled before installing the cylinder head cover.
- The plastic protectors fitted to protect the open valves must be removed only immediately before the cylinder head is fitted.
- If the cylinder head is replaced, all the coolant in the system must also be renewed.

- 1 - 10 Nm
 - With spacer sleeve and lock
 - Renew seal if damaged.
- 2 - Cylinder head cover
 - Renew if damaged.
- 3 - Cap
- 4 - Seal
 - Renew if damaged.
- 5 - Cylinder head cover gasket
 - Renew if damaged.
- 6 - Cylinder head bolt
 - Renew
 - Sequence when loosening and tightening [4, page 17](#)
- 7 - 10 Nm
- 8 - Connection
- 9 - Drive
 - Renew
- 10 - 20 Nm
- 11 - Lifting eye
- 12 - Pin, 10 Nm
 - For engine cover
- 13 - Bracket
- 14 - Cylinder head gasket
 - Renew
 - After renewing entire cooling
 - Note installation Part No. towards cylinder head.
- 15 - Cylinder
 - Check [4, page 16](#)



- Remove heat shield. To do so, slacken off bolts 1 and 2 and fit out heat shield.

- Check TDC position of camshaft.
- Both marks on camshaft must be in both arrows on retaining frame.

Note

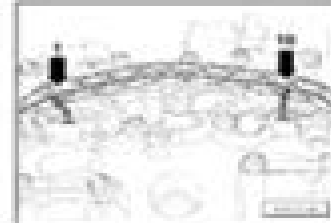
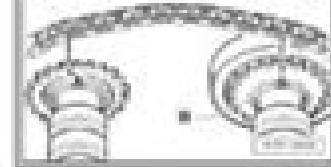
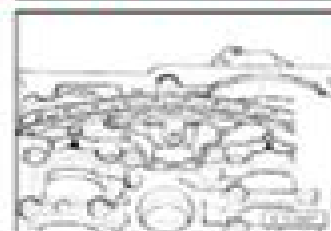
Insert arrow A into an arrow 4 or a groove 5, depending on the version.

Field drive chain is to be renewed

- Clean drive chain and camshaft chain sprocket in separate area of both arrows on retaining frame and mark installation position with a coloured mark.
- The distance between both arrows - or the coloured marks - is equal to 16 rollers on the drive chain.
- Roller on exhaust camshaft has a inward offset with respect to chain roller 17.

Note

Do not mark chain by way of centre punch, notch or the like.



Vw Passat Aas Tdi Repair Manual

LL Leslie



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