

Volkswagen Passat 1998-2005 Workshop Manual

1 Removing and installing cylinder head

Checking compression [4, page 16](#)

Notes

- 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.

- 10 Nm
 - With spacer sleeve and seal.
 - Renew seal if damaged.
- Cylinder head cover
 - Renew if damaged.
- Cap
- Seal
 - Renew if damaged.
- Cylinder head cover gasket
 - Renew if damaged.
- Cylinder head bolt
 - Renew.
 - Sequence when loosening and tightening [4, page 17](#).
- 10 Nm
- Connection
- Drilling
 - Renew.
- 25 Nm
- Lifting eye
- Pin, 10 Nm
 - For engine cover.
- Bracket
- Cylinder head gasket
 - Renew.
 - After renewing entire cooling system.
 - Note installation. Part No. towards cylinder head.
- Cylinder head



- 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 housing and both arrows on retaining frame.

Notes

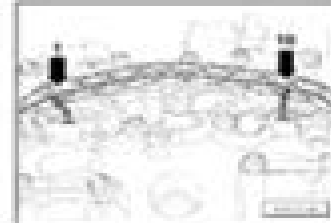
- Use an arrow A or a groove B, depending on the engine type.

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 1.

Notes

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



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Robert Bentley, inc

A red circular graphic with a gradient, appearing as a partial circle or a stylized 'C' shape, located to the right of the Robert Bentley, inc text.

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