

**Volkswagen > Touareg > 2004-2006**

**5.0 Liter V10 2V TDI PD Engine Mechanical, Fuel Injection Glow Plug, Engine Code**

**(s): BKW, BWF**

**15 - Cylinder head**

## **Cylinder head, assembly overview**

### **Note:**

- ◆ *Components depicted here correspond to cylinder bank 1. They are different only as a mirror image of components for cylinder bank 2.*

### **1 - Connecting hose**

- ◆ On vehicles with engine code BWF
- ◆ To crankcase ventilation valve
- ◆ Ensure seated tightly

### **2 - Sealing sleeve**

- ◆ On vehicles with engine code BWF
- ◆ Replace if damaged
- ◆ Ensure seated tightly

### **3 - Bracket**

- ◆ On vehicles with engine code BWF
- ◆ For intake hose between air filter and intake manifold flap

### **4 - Acoustic cover**

- ◆ For vehicles with engine code BWF

### **5 - Cylinder head cover**

- ◆ On vehicles with engine code BWF
- ◆ Always clean sealing surfaces of cylinder head cover with a clean cloth before setting in place
- ◆ Replace seal together with cylinder head cover if damaged or leaking
- ◆ Observe tightening sequence of bolts

### **6 - Acoustic cover**

- ◆ For vehicles with engine code BKW

### **7 - Cylinder head cover**

- ◆ For vehicles with engine code BKW
- ◆ Always clean sealing surfaces of cylinder head cover with a clean cloth before setting in place
- ◆ Replace seal together with cylinder head cover if damaged or leaking
- ◆ Observe tightening sequence of bolts

### **8 - 20 Nm**

- ◆ Between control housing and cylinder head

### **9 - Cylinder head gasket**

- ◆ Replace
- ◆ Install new seal of the same strength
- ◆ Imprint of replacement part numbers - **A** - must be readable
- ◆ After replacing replace entire amount of coolant

## 10 - Cylinder head

- ◆ Removing and installing ⇒ [Cylinder heads, removing and installing](#)

## 11 - Cylinder head bolt

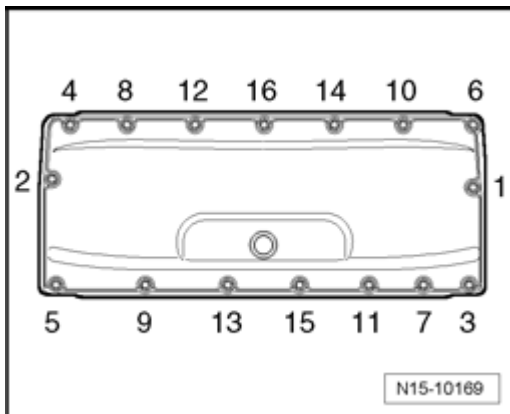
- ◆ Replace
- ◆ Observe sequence for loosening and tightening ⇒ [Cylinder heads, removing and installing](#) , Cylinder head, removing and installing

## 12 - Sealing sleeve

- ◆ For vehicles with engine code BKW
- ◆ Replace if damaged
- ◆ Check for secure seating

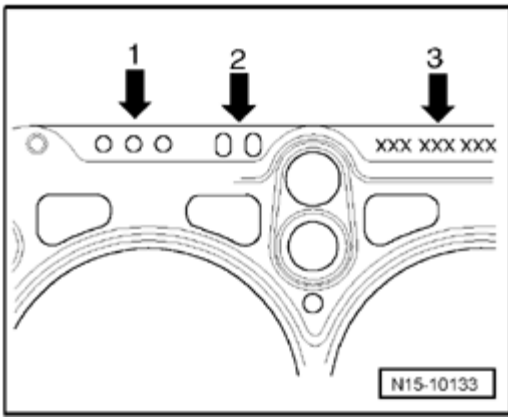
## 13 - Connection piece

- ◆ For vehicles with engine code BKW
- ◆ To crankcase ventilation valve
- ◆ Check for secure seating



### Tightening sequence of bolts for cylinder head cover

- Tighten bolts in the shown tightening sequence to 10 Nm.



## Identification of cylinder head gasket

1. Number of holes (specifies thickness of gasket)
2. Control code (disregard)
3. Replacement part number

\* Cylinder head gasket is available in three different strengths, whereby the number of holes indicates the corresponding strength ETKA (Electronic Parts Catalog) Always install a new gasket of the same strength when replacing.

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