

# **POOR PERFORMANCE/EXHAUST SMOKE VISIBLE**

## **Article Text**

1996 Volkswagen Golf  
For Volkswagen Technical Site  
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### **ARTICLE BEGINNING**

#### **TECHNICAL SERVICE BULLETIN**

#### **POOR PERFORMANCE, EXHAUST SMOKE VISIBLE**

**Model(s):** 1993-97 Volkswagen Golf, Jetta with (engine Code AAZ)  
1993 & 1995 Volkswagen Passat with (engine code AAZ)  
**Group:** 13 - Engine - Crankshaft/Crankcase  
**Bulletin No.:** 97-07  
**Date:** November 12, 1997

**NOTE:** This bulletin supersedes Technical Bulletin Group 13, No. 97-02 dated January 28, 1997.

### **CONDITION**

Poor performance, visible smoke from exhaust system

May be caused by the crankshaft sprocket bolt (M14 x 1.5 x 47) loosening.

### **PRODUCTION**

Crankshaft sprocket bolt tensile strength increased to 12.9.

### **SERVICE**

If this condition exists:

- Check injection pump timing.

If timing is incorrect:

- Turn crankshaft to TDC for No. 1 cyl.
- Remove crankshaft sprocket, see applicable Repair Manual for Models listed above.
- Check Crankshaft and sprocket for wear.

If crankshaft or crankshaft sprocket show signs of wear:

- Replace crankshaft, crankshaft sprocket and bolt. See applicable Repair Manual for Models listed.

### **END OF ARTICLE**