

# Technical Bulletin

Model  
911 Turbo

Group  
8

**Subject:** Alternator - A/C Compressor  
Belt Squeal on Cold Start

Part Identifier  
8725

Number  
9203

**ATTENTION: Service Manager/Service Technician**

**This bulletin replaces Technical Bulletin, Group 8, Number 9203, dated 6-30-92.**

**Models Affected:**

**911 Turbo 1991 (M) and 1992 (N) models**

**Concern:**

Squeal from alternator - A/C compressor belt after cold start of the engine.

**General Information:**

To eliminate belt squeal during cold start, the alternator - A/C compressor belt is now longer and routed differently over the drive pulleys. The new belt is identified by the marking "6k 1554" printed on the belt (See Figure 1).



**Figure 1**

**Parts Information:**

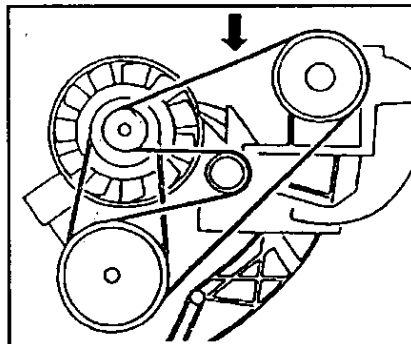
New version belt Part Number 999 192 365 50  
Former version belt Part Number 999 192 356 50 (no longer available)

New alternator - A/C compressor belts were introduced into vehicle production as of April 29, 1992, beginning with engine number 61 N 01442 M30.69.

**Repair Information:**

When complaints of squeal from the alternator drive belt are made, or when replacing the former version belt, the new version belt must be installed and the tension set with special tool 9201.

1. **The engine must be cold.**
2. Install new version belt following the routing shown in Figure 2.



**Figure 2**



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**Repair Information (cont.):**

3. Remove the circlip retaining the rollers to the measuring pin of special tool 9201 (Figure 3) and remove rollers.

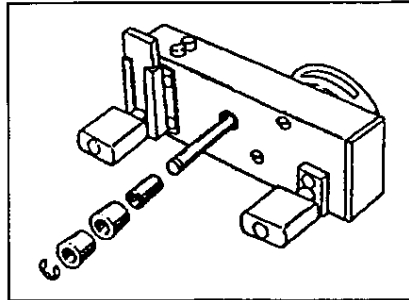


Figure 3

4. Measure the belt tension at the arrow location shown in Figure 2 and set the tension according to the belt thickness using the values below:

Belt thickness	Tool 9201 scale units
5.0 - 5.3mm	3.0 scale units
5.4 - 5.5mm	4.0 scale units
5.6 - 5.8mm	4.5 scale units

If the minimum value belt thickness of 5.0mm cannot be obtained, a thickness (feeler) gauge may be inserted between the belt and special tool 9201 measuring pin. Do not exceed a total belt thickness of 5.8mm.

**\*Note:** Belt thickness can be measured using a vernier caliper. Measurement should be taken at the arrow location in Figure 2.

3. Start the engine and accelerate lightly two-to-three times. Turn off the engine and recheck the belt tension. Readjust if necessary.

