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Technical Bulletin

Subject: Fuel Injectors, Unnecessary Replacement

Group: 24

Number: 05-02

Model(s): See Table Below

2002 ► 2005

Date: Apr. 12, 2005

Supersedes T.B. Group 24 number 05-01 dated Feb. 15, 2005 due to Part No. update on page 3.

Condition

Repair Manual or Guided Fault Finding (GFF) process leads you to the replacement of a fuel injector.

Model	Engine code	Description
A4, A6, Cabriolet	AVK, BGN	3.0L V6 5V
S4, allroad	BHF	4.2L V8 5V
TT	BHE	3.2L V6 4V

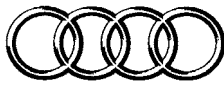
Service

Prior to replacing a fuel injector, check the wiring pin connectors as described in the following work procedure:

- Locate affected cylinder.
- Swap ignition coil, spark plug or fuel injector from affected cylinder to another cylinder and observe if problem moves with the swapped component.

If problem moves with swapped component:

- Replace that faulty component.

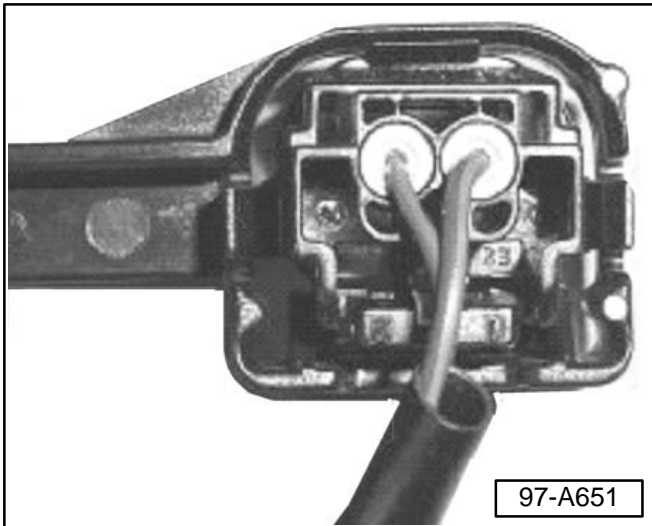


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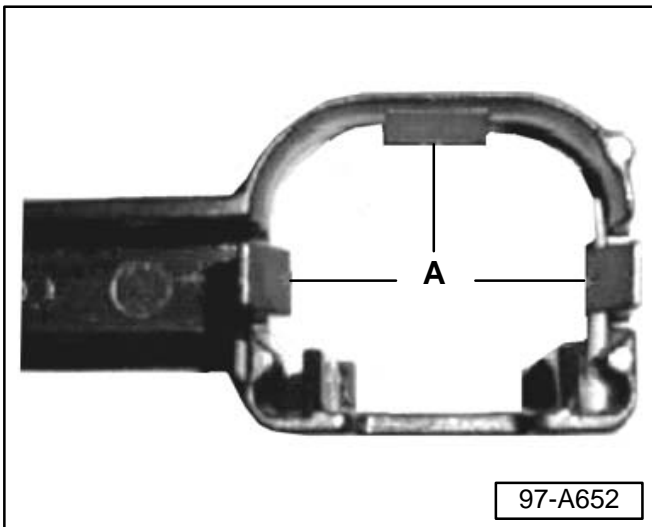


97-A651

If problem remains at the same cylinder:

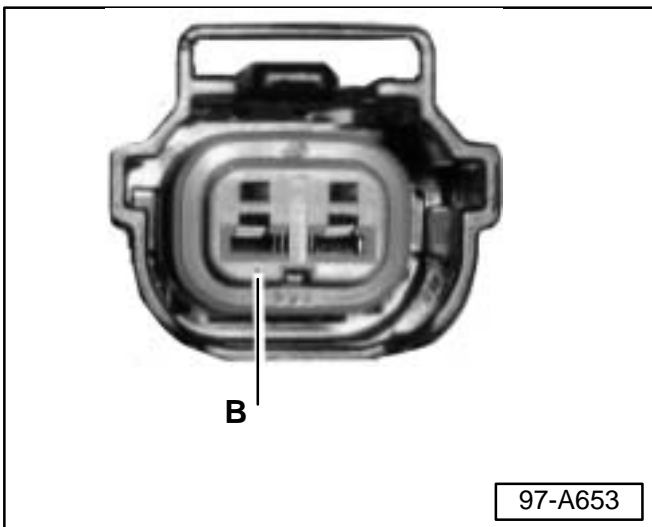
- Check electrical connectors of fuel injectors as follows:

- ◀ - Disconnect connector of fuel injector(s).
- Remove contact pins from the plug housing:



97-A652

- ◀ - Push plug out of housing by releasing locking tabs -A-.



97-A653

- ◀ - Remove secondary lock -B- upwards

⚠ **Note:**

Use appropriate tool from the VAS 1978 Wiring Repair Kit.

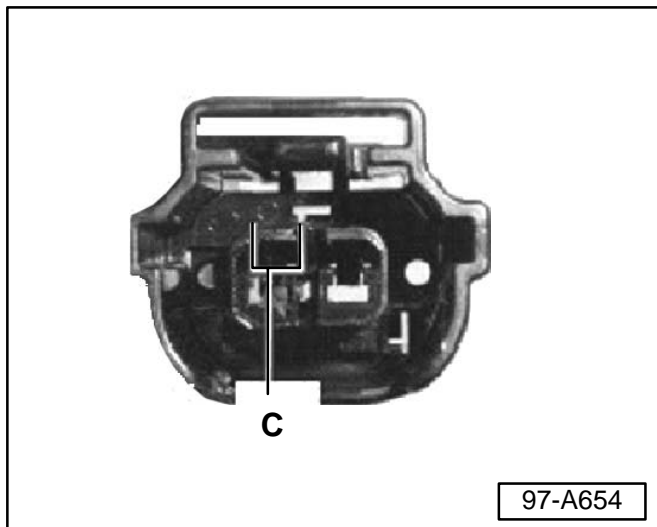


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- ◀ – Push tool into slot -c- and remove female terminals from connector.

With terminals removed from connector:

- Push terminals (trial fit without housing) successively onto the appropriate male terminals of the injector.

◆ Female terminals should fit snugly.

If the female terminals slide without resistance onto the appropriate injector:

- Replace affected female terminals using the VAS 1978 wiring repair kit. See ETKA Special Catalogues for wires for connector housing 06A973722.



Tip:

When repairing wiring, always follow instructions included in the VAS 1978 Wiring Repair Kit.

If the contact pins fit snugly to the pins

- The affected component needs to be checked using the VAS 5051 or VAS 5052 diagnostic tool and Guided fault finding.

When procedure applies to vehicles within the New Vehicle Limited Warranty, use the following as necessary:	
Claim Type:	W2
Part Identifier:	2440
Damage Code:	2440 23 000 1
Labor Operation:	9709 41xx*
Replace Terminals to Injectors	

*) xx = use appropriate labor operation and TU for the number of terminals repaired (see SRT).