



# Technical Service Bulletin

## MIL on (DTCs for misfire, P0300 - P0312)

28 07 01 Feb. 8, 2007, 2013623/2. Supersedes Technical Service Bulletin Group 28 number 06-04 dated Dec. 12, 2006 due to revised VIN breaks.

| Model(s)     | Year        | VIN Range                   | Vehicle-Specific Equipment      |
|--------------|-------------|-----------------------------|---------------------------------|
| A4 Cabriolet | 2005        | 8H 5K 011000 - 8H 5K 999999 | 1.8 T engine<br>3.0 V6 engine   |
| A4 Cabriolet | 2006        | All                         |                                 |
| S4           | 2005        | 8E 5A 400500 - 8E 5A 999999 | 4.2 V8 engine                   |
| S4           | 2006        | All                         |                                 |
| S4           | 2007        | 8E 7A 000000 - 8E 7A 086400 |                                 |
| S4 Cabriolet | 2005 – 2006 | All                         |                                 |
| S4 Cabriolet | 2007        | 8H 7K 000000 - 8H 7K 000180 |                                 |
| A6           | 2005        | 4F 5N 049500 - 4F 5N 999999 |                                 |
| A6           | 2006        | 4F 6N 000000 - 4F 6N 184000 |                                 |
| allroad      | 2005        | All                         | 2.7T V6 engine<br>4.2 V8 engine |
| A8           | 2005        | 4E 5N 007600 - 4E 5N 999999 | 4.2 V8 engine<br>6.0 W12 engine |
| A8           | 2006        | 4E 6N 000000 - 4E 6N 025500 | 4.2 V8 engine                   |
| A8           | 2006        | 4E 6N 000000 - 4E 6N 999999 | 6.0 W12 engine                  |
| A8           | 2007        | 4E 7N 000000 - 4E 7N 001179 |                                 |

## Condition

The MIL is flashing or constantly illuminated, and DTCs for misfire in one or more cylinders (**P0300** to **P0312**, depending on the engine) are stored in the ECM data memory.

## Technical Background

The misfire condition can be caused by the ingress of moisture in the ignition coils.

## Production Solution

A new generation of ignition coils (supplier Powertrain Pulse ERA) are being installed in production.

## Service

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It is not necessary to perform the complete Guided Fault Finding with the VAS tester.

## 1. To correct misfire DTCs stored in the ECM data memory:

Replace all ignition coils (including cylinders without a misfire DTC) that do not match the part numbers listed in the following table.



### Note:

To avoid damaging ignition coils: Use tool **T40039** to remove the coil. Do not twist ignition coil when installing. Do not use any object to tap the ignition coil into position.

| Engine   | New part number |
|--|-----------------|
| 1.8T, engine code AMB                            | 06B 905 115 R   |
| 2.7T V6, engine code BEL                         | 06B 905 115 R   |
| V6 3.0I MPI, engine code AVK, BGN                | 06C 905 115 L   |
| V8 4.2I MPI, engine code BFM, BGK, BAS, BNK, BHF | 077 905 115 Q   |
|  | 077 905 115 S   |
| W12 6.0I MPI, engine code BSB                    | 07C 905 115 J   |

## 2. If other DTCs are also stored in the ECM data memory, or if the misfire condition is not corrected by the replacement of the ignition coils:

Diagnose the condition and perform necessary repairs with the use of Guided Fault Finding, the *Repair Manual* and applicable Technical Service Bulletins. These additional repairs are not covered by this Technical Service Bulletin.

## Warranty

- Submit only one warranty claim per case.
- The removed parts remain at the dealer and must be destroyed, not reused.
- The destroyed parts must be kept for inspection at the dealer for 20 days after the payment of the warranty claim.
- Put the parts label on all the removed parts you store (allocation of the parts in case of warranty audit or subsequent request by the manufacturer).



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| When procedure applies to vehicles within the New Vehicle Limited Warranty, use the following:   |                            |  |       |
|--|----------------------------|--|-------|
| Claim Type:  | W2                         |  |       |
| Part Identifier:   | 2820                       |  |       |
| Damage Code:   | 2820 55 002 2              |  |       |
| Labor Operations:  |                            | For ignition coils replacement, refer to ElsaWeb for Suggested Repair Times. |       |
|  | 01 50 00 99                | Read and delete ECM data memory  | 20 TU |
| Diagnostic Time:   | No Diagnostic Time Allowed |  |       |
| Claim Comment:   | As per TSB #2013623/2      |  |       |
| All warranty claims submitted for payment must be in accordance with the Audi Warranty Policies and Procedures Manual. Claims are subject to review or audit by Audi Warranty. |                            |  |       |

## Required Parts and Tools

| Part Number | Part Description | Quantity |
|-------------|------------------|----------|
| T40039      | Puller           | 1        |

All part and service references provided in this TSB are subject to change and/or removal. Always check with your Parts Dept. and service manuals for the latest information.