



Technical Service Bulletin

01 MIL on, R8 Intake Air Hose leaking

24 12 27 2029233/1 April 23, 2012.

| Model(s) | Year | VIN Range | Vehicle-Specific Equipment |
|----------|-------------|-----------------|----------------------------|
| R8 V8 | 2008 – 2013 | 000001 – 999999 | 4.2 FSI |
| R8 V10 | 2009 – 2013 | | 5.2 FSI |

Condition

MIL light on/irregular engine performance.

Technical Background

The air filter change intervals are provided for vehicles operated in normal conditions. In unusual driving situations, for example, driving on dusty roads or on race circuits, the air filter can get dirty quicker than normal. Because of the position of the air intake close to the ground behind the front wheel, a larger amount of dirt can get into the intake air in extreme situations (dust/race circuit).

On the R8, a clogged air filter can lead to MIL light, misfiring, and fuel trim related DTCs.



Figure 1. Example of excessive dirt on air filters.

Because of the dirty air filter, not enough intake air is available for the engine. The resulting excessive vacuum in the air duct hose between air filter and throttle valve can collapse and damage the air duct hose.



Figure 2. Vacuum in the air duct hose between air filter and throttle valve.

Repeated deformation of the hose can damage it.

Bypass air then gets in via a crack in the intake hose and can cause the MIL light to come on and fuel trim related DTC's.



Figure 3. Crack in the intake hose.

Production Solution

Not Applicable.

Service

1. Check for cracks/damage on both intake air hoses.
2. If either hose is damaged, replace both hoses and both air cleaner elements.

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Warranty

| | | | |
|--------------------------|--|--------------|-------|
| Claim Type: | Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only. | | |
| Service Number: | 2424 | | |
| Damage Code: | 0002 | | |
| Labor Operations: | Air cleaner elements remove + reinstall 4.2 FSI | 2424 2069 | 70 TU |
| | Air hose remove + reinstall - both | 2438 2019 | 40 TU |
| | Air cleaner elements remove + reinstall 5.2 FSI | 2424 2073 | 70 TU |
| | Air hose remove + reinstall - both | 2438 2023 | 40 TU |
| Diagnostic Time: | GFF – Checking and clearing fault codes | 0150 0000 | 20 TU |
| | Road test prior to service procedure | No allowance | 0 TU |
| | Road test after service procedure | 0121 0004 | 10 TU |
| | Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details) | | |
| Claim Comment: | As per TSB #2029233/1 | | |

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 Description | Part Number | Quantity |
|-----------------------------|---------------|----------|
| Air cleaner element 4.2 FSI | 420 133 843 B | 2 |
| Intake hose 4.2 FSI | 420 133 385 E | 2 |
| Union | 079 133 022 C | 1 |
| Clamp | N 100 980 01 | 1 |
| Air cleaner element 5.2 FSI | 420 133 844 D | 2 |
| Intake hose 5.2 FSI | 420 133 385 J | 2 |
| Union | 079 133 022 C | 1 |
| Clamp | N 100 980 01 | 1 |

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Additional Information

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