

Technical Service Bulletin



01 MIL on, R8 Intake Air Hose leaking

01 13 91 2029233/2 May 7, 2013. Supersedes Technical Service Bulletin Group 24 number 12-27 dated April 23, 2012 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
R8	2008 - 2013	All	4.2 FSI engine
R8	2009 - 2013	All	5.2 FSI engine

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised header data (Added model years) Revised <i>Technical Background</i> (Edited description for clarity)
1	4/23/2012	Initial publication

- MIL is illuminated.
- Irregular engine performance.

Technical Background

Air filter change intervals are provided for vehicles that are operated in normal conditions. Air filters in vehicles that are driven in unusual conditions (such as on dusty roads or on race circuits) can become dirty more quickly than air filters in vehicles that are only driven in normal conditions.

Because the air intake is close to the ground (behind the front wheel), excessive dirt can get into the intake air when the vehicle is driven in unusual conditions. Excessive dirt (Figure 1) can clog the air filter, which may cause illumination of the MIL, misfiring, and fuel trim-related DTCs because:



Figure 1. Example of excessive dirt on air filters.

- When the air filter is clogged, not enough intake air is available to the engine, resulting in excessive vacuum in the air duct hose between air filter and throttle valve (Figure 2). The excessive vacuum can damage the air duct hose and cause it to collapse and become deformed. Repeated deformation of the hose causes it to crack.



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

- Bypass air gets in through the crack in the intake hose (Figure 3) which can cause the MIL to become illuminated and can cause fuel trim-related DTCs to be set.



Figure 3. Crack in the intake hose.

Production Solution

Not Applicable.

Service

1. Check for cracks or damage on both of the 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 #2029233/2		

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 Description	Part Number	Quantity
Air cleaner element 4.2 FSI	420133843B	2
Intake hose 4.2 FSI	420133385E	2
Union	079133022C	1
Clamp	N 10098001	1
Air cleaner element 5.2 FSI	420133844D	2
Intake hose 5.2 FSI	420133385J	2
Union	079133022C	1
Clamp	N 10098001	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.