

Technical Service Bulletin



24 Engine judders when accelerating, air mass meter concern; no DTC

24 14 50 2038212/1 August 28, 2014.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
TT, A4, A5, A5 Cabriolet, allroad, Q5, A6	2009 - 2014	All	2.0 TFSI Evo2

Condition

- The engine judders or runs erratically.
- The vehicle judders during acceleration.
- No event entry is stored in the engine control module (ECM).
- The air mass meter is suspected to be faulty.

Technical Background

Possible incorrect function on the sensor elements of the air mass meter.

Production Solution

Not applicable.

Service

Confirm that the *Condition* matches, then check the air mass meter as follows:

For A4, A5, and A5 cabriolet vehicles produced before week 25/2012 and for Q5 vehicles produced before week 10/2013:

1. Remove the connector of the air mass meter.
2. With the connector removed, perform a test drive under the same circumstances at which the complaint occurred. Check whether the complaint persists:
 - If it does, do not replace the air mass meter as the cause lies elsewhere. Investigate other possible causes, such as air leaks in the air intake system, a dirty or incorrectly-fitted air filter element, incorrectly slotted-in hoses on the air intake system, etc.
 - If the complaint does not persist, replace the air mass meter.

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For A4, A5, and A5 cabriolet vehicles produced after week 25/2012, Q5 vehicles produced after week 10/2013, and all other vehicles:

- Do not replace the air mass meter as the cause lies elsewhere. Investigate other possible causes, such as air leaks in the air intake system, a dirty or incorrectly-fitted air filter element, incorrectly slotted-in hoses on the air intake system, etc.



Note:

For all vehicles:

If an event entry is stored in the ECM, do not proceed as outlined above. Use guided fault finding (GFF) to diagnose the issue.

If event entries on the throttle valve angle, the intake air temperature sensor, or the charge pressure sensor are included in the ECM, resolve them before checking the air mass meter.

Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	2445		
Damage Code:	0040		
Labor Operations:	Remove and install air mass meter (For A4, A5, and A5 cabriolet vehicles produced <u>before</u> week 25/2012 and for Q5 vehicles produced <u>before</u> week 10/2013 only)	2445 1913	30 TU
Diagnostic Time:	GFF – Checking and clearing fault codes	0150 0000	Time stated on diagnostic protocol (Max 20 TU)
	Road test prior to service procedure	0121 0002	10 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 #2038212/1		

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.