



Technical Service Bulletin

PSS 01 3.0TFSI Bank 2 engine misfires - Q8

01 19 36 2054182/3 December 13, 2019. Supersedes Technical Service Bulletin Group 01 number 19-23 dated August 20, 2019 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q8	2019 - 2020	All	3.0TFSI

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised title (Changed format) Revised header (Added MY20) Revised <i>Service</i> (Updated estimate added to <i>Production Solution</i>)
2	08/20/2019	Revised header (Updated VIN break) Revised <i>Service</i> (Updated software released date estimate)
1	03/05/2019	Initial publication

This PSS only applies if all of the following conditions are met, see Figure 1 for an example:

- MIL on, MIL flashing, or misfires reported by customer.
- Misfire DTCs are stored for more than one cylinder on Bank 2.
- DTC ambient conditions show misfires occurring at or near the same timestamp.
- DTC ambient conditions show misfires occur while engine operating condition is “Leerlauf” (idle in German).
- DTC ambient conditions show misfires occur when the vehicle is at or near 0 km/h speed.
- The vehicle is NOT currently misfiring when examined in the workshop.

If all of the above criteria are not met, this PSS does not apply and the vehicle should be diagnosed using the normal GFF process.



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DTC memory entry		
Number:	P030500: Cyl.5 Misfire	
Error type 2:	Detected	
Symptom:	passive/sporadic	
Status:	10595	
	01100000	
Standard ambient conditions:		
Date:	12/2/18	
Time:	2:42:42 PM	
Mileage (DTC):	1771	
Priority:	2	
Frequency counter:	2	
Elimination counter / driving cycle:	255	
Expanded ambient conditions:		
Engine speed	626.5	1/min
Normed load value	7.8431373	%
Vehicle speed	0	km/h
Coolant temperature	101	°C
Intake air temperature	23	°C
Ambient air pressure	970	mbar
Voltage terminal 30	13.1	V
Dynamic environmental data		
	20 96 27 10 7A 03 11 BD 0E 77	
	3E FC 05 12 16 03 1F 15 14 04	
	1B 60 00 02 10 10 01 6A	
Unlearning counter according OBD	39	
Engine status	COENG_RUNNING	
Param_TestProgrCoEngStCOMPUVERBUBYTE3		
Engine oil temperature	97.16	°C
Engine operating condition	Leerlauf	
Param_TestProgrChann87	5	
Relative load value	18.726562	%
Current system status	SYC_DRIVE	
Param_TestProgrExeConState02UBYTE	4	
Virtual_SigXSet_TiOff_tStrtEnd_Off	2	s
Engine torque	36.2	Nm
DTC memory entry		
Number:	P030600: Cyl.6 Misfire	
Error type 2:	Detected	
Symptom:	passive/sporadic	
Status:	10596	
	01100000	
Standard ambient conditions:		
Date:	12/2/18	
Time:	2:42:42 PM	
Mileage (DTC):	1771	
Priority:	2	
Frequency counter:	2	
Elimination counter / driving cycle:	255	
Expanded ambient conditions:		
Engine speed	626.5	1/min
Normed load value	7.8431373	%
Vehicle speed	0	km/h
Coolant temperature	101	°C
Intake air temperature	23	°C

Figure 1. Example of applicable DTC.

Technical Background

Software calibration causing misfire under certain running conditions using winter blend fuel (higher vapor pressure).



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Production Solution

Improved software in development pending 2nd quarter of 2020 release.

Service

1. If customer's vehicle condition matches the conditions listed in this PSS TSB clear DTC's and test drive vehicle. If no faults return after the test drive, explain to the customer that a solution is forthcoming. No repairs are necessary at this point.
2. Do not replace any components for this condition since this will not resolve the customer's concern.
3. Create a PSS record in the PSS application through the Pending Service Solutions (PSS) link in AccessAudi (under *Related Links >> Service*), or through the Technical Assistance Page in Elsa.

Warranty

This TSB is informational only and not applicable to any Audi Warranty.

Additional Information

All parts and service references provided in this TSB (2054182) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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