



Technical Service Bulletin

PSS 01 Bank 1 engine misfires - A8

01 20 55 2054113/4 April 3, 2020. Supersedes Technical Service Bulletin Group 01 number 19-26 dated September 9, 2019 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A8	2019	All	3.0TFSI

Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised <i>Service</i> (Updated software release date estimate)
3	09/19/2019	Revised <i>Service</i> (Updated software release date estimate)
2	08/30/2019	Revised title Revised header (Corrected Elsa display issue)

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 1.
- DTC ambient conditions show misfires occurring at or near 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.

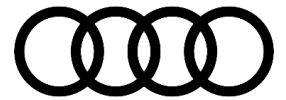
If all of the above criteria are not met, this PSS does not apply and the vehicle should be diagnosed using the normal GFF process.



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DTC memory entry		
Number:	P030100: Cyl.1 Misfire Detected	
Error type 2:	passive/sporadic	
Symptom:	10591	
Status:	00100000	
Standard ambient conditions:		
Date:	11/16/18	
Time:	12:12:21 PM	
Mileage (DTC):	96	
Priority:	2	
Frequency counter:	1	
Elimination counter / driving cycle:	255	
Expanded ambient conditions:		
Engine speed	603.0	1/min
Normed load value	24.705883	%
Vehicle speed	0	km/h
Coolant temperature	77	°C
Intake air temperature	34	°C
Ambient air pressure	1010	mbar
Voltage terminal 30	14.24	V
20 96 28 10 7A 03 11 BD 0C 7B 3E FC		
Dynamic environmental data		
05 12 16 08 47 15 14 04 1B 60 00 30 10		
10 04 9E		
Unlearning counter according OBD		
40		
Engine status		
COENG_RUNNING		
Param_TestProgrCoEngStCOMPUVERBUBYTE		
3		
Engine oil temperature		
46.36 °C		
Engine operating condition		
Leerlauf		
Param_TestProgrChann87		
5		
Relative load value		
49.664062 %		
Current system status		
SYC_DRIVE		
Param_TestProgrExeConState02UBYTE		
4		
Virtual_SigXSet_TiOff_tiStrtEnd_Off		
48 s		
Engine torque		
118.2 Nm		
DTC memory entry		
Number:	P030200: Cyl.2 Misfire Detected	
Error type 2:	passive/sporadic	
Symptom:	10592	
Status:	00100000	
Standard ambient conditions:		
Date:	11/16/18	
Time:	12:12:21 PM	
Mileage (DTC):	96	
Priority:	2	
Frequency counter:	1	
Elimination counter / driving cycle:	255	
Expanded ambient conditions:		
Engine speed	619.5	1/min
Normed load value	21.960785	%
Vehicle speed	0	km/h
Coolant temperature	77	°C
Intake air temperature	34	°C
Ambient air pressure	1010	mbar
Voltage terminal 30	14.22	V
Dynamic environmental data		

Figure 1. Example of applicable DTC.



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Technical Background

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

Production Solution

Improved software in development.

Service

1. If customer's vehicle condition matches the conditions listed in this PSS TSB clear DTC's and test drive vehicle. If there are no faults returned after the test drive, explain to the customer that a solution is forthcoming and currently scheduled for the 2nd quarter of 2020. 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 (2054113) 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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