



Technical Service Bulletin

01 MIL on; cylinder misfires (DTCs P0300, P0301, P0302, P0303, P0304, P0305, P0306)

01 23 91 2069038/5 November 1, 2023. Supersedes Technical Service Bulletin Group 01 number 23-80 dated October 2, 2023 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, A7, and Q8	2019 – 2021	All	Not Applicable
A6 allroad, and Q7	2020 – 2021		

Condition

REVISION HISTORY		
Revision	Date	Purpose
5	-	Revised header (Updated Models) Revised <i>Warranty</i> (Updated claim types)
4	10/02/2023	Revised header (Updated Models) Revised <i>Warranty</i> (Updated claim types)
3	07/17/2023	Revised header (Updated Models) Revised <i>Service</i> (added instructions for Q8)

Customer states:

MIL is illuminated.

Workshop findings:

The following DTCs may be stored:

- **DTC P0300:** Random/Multiple Cylinder Misfire Detected
- **DTC P0301:** Cyl.1 Misfire Detected
- **DTC P0302:** Cyl.2 Misfire Detected
- **DTC P0303:** Cyl.3 Misfire Detected
- **DTC P0304:** Cyl.4 Misfire Detected
- **DTC P0305:** Cyl.5 Misfire Detected
- **DTC P0306:** Cyl.6 Misfire Detected

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The software needs to be updated. The optimized software will correct the misfire and prevent the MIL from illuminating.

Production Solution

New software in the control module, -J623- (address word 0001) addressed the condition.

Service

This TSB replaces Pending Service Solutions (PSS):

TSB 2054182: *PSS 01 3.0 TFSI Bank 2 engine misfires – Q8/Q7 (DCBD engine).*

TSB 2058038: *PSS 01 3.0 TFSI engine misfires – A6 and A7 – DTCs P0300 through P0306*

SVM Update Instructions

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions.*
2. Update the ECM, J623 (address word 0001) using the SVM action code as listed in the table below, if necessary:

Model	Old Software Part Number	Old Software Version	New Software Part Number (or higher)	New Software Version (or higher)	SVM Code Input
MY 19 A6/A7	4K0907559A	0007	4K0907559A	0008	01A255
MY 20 A6/A7	4K0907559D	0002	4K0907559D	0003	
MY 21 A6/A7	4K0907559K	0001- 0002	4K0907559K	0004	
MY 20 Q7	4M0907559D	0001- 0003	4M0907559D	0004	
MY 21 Q7	4M0907559L	0001- 0002	4M0907559L	0003	
MY 21 Q8	4M8907559M	0001-0002	4M8907559M	0003	
MY 19-20 Q8	4M8907559A	0001- 0003	4M8907559A	0004	

Warranty

Claim Type:	• 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.
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Service Number:	2470		
Damage Code:	0039		
Labor Operations:	Software Update (Includes checking for DTCs)	0151 0000	Time stated on the diagnostic protocol (Max 50 TU)
Diagnostic Time:	GFF	0150 0000	Max 15 TU
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	No allowance	0 TU
Claim Comment:	As per TSB 2069038/5		

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

Tool Number	Tool Description
VAS 6160/VAS 6150	VAS tester with the current version of ODIS (Windows 10).

Additional Information

The following Technical Service Bulletin(s) will be necessary to complete this procedure:

- TSB 2011732: *00 Software Version Management (SVM), operating instructions.*

All part and service references provided in this TSB (**2069038**) are subject to change and/or removal.

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