



# Technical Service Bulletin

## 01 EPC light on, DTC P050100 is stored in the ECM - 2.0 TFSI

01 21 07 2045223/4 May 28, 2021. Supersedes Technical Service Bulletin Group 01 number 17-11 dated May 4, 2017 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6	2016	All	Not Applicable
A6	2017	000001 - 001232	Not Applicable

## Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised title Revised <i>Warranty</i> (Added Claim Type and updated Labor Operation) Revised <i>Additional Information</i> (Added references)
3	05/04/2017	Revised <i>Service</i> (Added note regarding Campaign)
2	12/20/2016	Revised header data (Added customer code) Revised title (Minor change)

### Customer states:

- The EPC light is on.

### Workshop findings:

The following DTC may be stored in the engine control module (ECM), J623 (address word 0001):

- DTC P050100** (speed signal 1, implausible signal).

## Technical Background

DTC P050100 (speed signal 1 implausible signal) can be caused by air leaks in the intake and/or crankcase ventilation system.

In some cases, due to allowable hardware tolerances, the diagnostics in the engine control module software is too sensitive.



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## Production Solution

Updated software.

## Service



### Note:

If Campaign 24CJ is open for this vehicle, this TSB does **NOT** apply, perform Campaign 24CJ instead.

1. Perform the following diagnostic steps before updating the ECM software:
  - Complete the Guided Fault Finding (GFF) test plan for DTC P050100.
  - GFF identified an issue, perform repairs per GFF (**this TSB does not apply**).
  - If GFF does not identify the issue, check the oil filler cap and dipstick tube plug to ensure they are correctly closed.
2. If no other issues are identified then proceed with the software update.

### SVM Update Instructions

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

Model	Engine	Old Software Part Number	Old Software Version	New Software Part Number	New Software Version (or higher)	SVM Code Input
A6 (C7)	CYNB	4G5907115A	all	4G5907115C	0001	01A224

## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"> <li>• 110 up to 48 Months/50,000 Miles.</li> <li>• G10 for CPO Covered Vehicles – Verify Owner.</li> <li>• 1E1 up to 8 Years/80,000 Miles.</li> <li>• If vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li> </ul>
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<b>Service Number:</b>	2470		
<b>Damage Code:</b>	0039		
<b>Labor Operations:</b>	Software Update (Includes checking for DTCs)	0151 0000	Time stated on the diagnostic protocol (Max 50 TU)
<b>Diagnostic Time:</b>	GFF	0150 0000	Time stated on diagnostic protocol (Max 100 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
<b>Claim Comment:</b>	As per TSB #2045223/4		

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.

## Additional Information

More information on this system can be found in the following resources:

- Elsa, *Systems >> Campaigns/Actions >> Campaign 24CJ*.

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 (2045223) 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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