

Technical Service Bulletin



20 MIL on (DTC P046100 - Fuel level sensor, circuit range/performance)

20 16 70 2043357/2 May 26, 2016. Supersedes Technical Service Bulletin Group 20 number 16-67 dated April 22, 2016 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4, A5, A5 Cabriolet, Q5	2013 - 2016	All	2.0 TFSI
S4, S5, S5 Cabriolet	2014 - 2015	All	3.0 TFSI
Q5	2015 - 2016	All	Hybrid
Q5	2014 - 2015	All	3.0 TFSI
A6, A7	2014 - 2015	All	3.0 TFSI
A8	2015	All	3.0 TFSI

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised header data (Added models) Revised <i>Service</i> (Added models to SVM table)
1	4/22/2016	Initial publication

- MIL on.
- DTC P046100 (Fuel level sensor, circuit range/performance) is stored in the engine control module (ECM J623).

Technical Background

DTC P046100 can be caused by miscalculations within the ECM software when the vehicle is being filled with gasoline while the ignition is on.

Production Solution

New ECM software implemented to correct the condition.

Technical Service Bulletin



Service

IMPORTANT: The following instructions apply to vehicles with 2.0TFSI and 3.0TFSI engines only.

SVM Update Instructions

1. Follow all instructions in TSB 2011732, *00 Software Version Management (SVM), operating instructions*.
2. Update the ECM (J623) using the SVM action code as listed in the table below.
3. After SVM update, cycle the ignition.
4. Start the engine. If engine runs rough and then surges, cycle the ignition once again.
5. Reset TPMS.

Model	Engine	Old Software Part Number	Old Software Version	New Software Part Number	New Software Version	SVM Code Input
A4,A5,A5 cabriolet	2.0 TFSI	8K5907115N	0001 / 0002 / 0003	8K5907115N	0004	01A203
A4,A5,A5 cabriolet	2.0 TFSI	8K5907115J	0001 / 0002	8K5907115N	0004	
A4,A5,A5 cabriolet	2.0 TFSI	8K5907115P	0001	8K5907115P	0002	
A4,A5,A5 cabriolet	2.0 TFSI	8K5907115M	0001 / 0002 / 0003	8K5907115M	0004	
A4,A5,A5 cabriolet	2.0 TFSI	8K5907115Q	0001	8K5907115Q	0002	
Q5	2.0 TFSI	8R1907115N	0001	8R1907115N	0002	
Q5	2.0 TFSI	8R1907115P	0001	8R1907115P	0002	
Q5	2.0 TFSI H	8R1907115L	0001 / 0002 / 0003	8R1907115L	0004	
Q5	2.0 TFSI H	8R1907115M	0001 / 0002	8R1907115M	0003	
Q5	2.0 TFSI	8R1907115F	0001	8R1907115L	0004	
S4,S5,S5 cabriolet	3.0 TFSI	8K5907551G	0001 / 0002 / 0003 / 0004 / 0005	8K5907551G	0006	
Q5	3.0 TFSI	8R0907551F	0001 / 0002 /	8R0907551F	0006	

Technical Service Bulletin



			0003 / 0004 / 0005			
SQ5	3.0 TFSI	8R0907551G	0001 / 0002 / 0003 / 0004 / 0005	8R0907551G	0006	
A8	3.0 TFSI	4H2907551A	0001 / 0003 / 0004	4H2907551A	0005	
A6,A7	3.0 TFSI	4G0907551J	0001 / 0002 / 0003	4G0907551J	0004	02A210

Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	2470		
Damage Code:	0039		
Labor Operations:	Check software level in ECM and perform update	2470 2599	Max 40 TU
Diagnostic Time:	GFF	No allowance	0 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 #2043357/2		

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

The following Technical Service Bulletin 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 (2043357) are subject to change and/or removal. Always check with your Parts Dept. and service manuals for the latest information.