



Technical Service Bulletin

20 MIL on, DTC P046100 stored in the ECM

20 19 18 2043357/11 June 6, 2019. Supersedes Technical Service Bulletin Group 20 number 19-11 dated January 29, 2019 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3	2015 - 2016	All	Not Applicable
A4, A5, A5 Cabriolet, and Q5	2013 - 2016	All	2.0 TFSI
Q5	2013 - 2016	All	Hybrid
A8	2015 - 2017	All	3.0 TFSI
A6, A7	2014 - 2015	All	3.0 TFSI
Q5, SQ5	2014 - 2015	All	3.0 TFSI
S4, S5, and S5 Cabriolet	2014 - 2015	All	3.0 TFSI
S8	2013 - 2017	All	4.0 TFSI
RS 7	2014 - 2016	All	4.0 TFSI
S6, S7	2013 - 2016	All	4.0 TFSI
RS 5, RS 5 Cabriolet	2013 - 2015	All	4.2 TFSI
A8	2013 - 2017	All	4.0 TFSI

Condition

REVISION HISTORY		
Revision	Date	Purpose
11	-	Revised <i>Condition</i> (Removed Note) Revised <i>Service</i> (Updated SVM table)
10	01/29/2019	Revised header (Added model) Revised <i>Service</i> (Updated table)
9	10/01/2018	Revised title Revised <i>Condition</i> (Added Note)



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Customer states:

- MIL on.

Workshop findings:

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

- **DTC P046100** (Fuel level sensor, circuit range/performance).

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.

Service



Note:

Check the vehicle ECM software part number/version prior to the SVM update.

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.
3. After SVM update, cycle the ignition.
4. Start the engine. If the 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
A3	2.0 TFSI	5G0906259A	<0006	5G0906259A	0006	01A203
A3	1.8 TFSI	8V0906264A	0001	8V0906264D	0004	01A203



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A3	1.8 TFSI	8V0906264D	< 0004	8V0906264D	0004	01A203
S3	2.0 TFSI	8V0906259B	Any	8V0906259H	0001	01A203
S3	2.0 TFSI	8V0906259E	Any	8V0906259H	0001	01A203
A4, A5, and A5 Cabriolet	2.0 TFSI	8K5907115N	0001, 0002, or 0003	8K5907115N	0004	01A203
A4, A5, and A5 Cabriolet	2.0 TFSI	8K5907115J	0001 or 0002	8K5907115N	0004	01A203
A4, A5, and A5 Cabriolet	2.0 TFSI	8K5907115P	0001	8K5907115P	0002	01A203
A4, A5, and A5 Cabriolet	2.0 TFSI	8K5907115M	0001, 0002, or 0003	8K5907115M	0004	01A203
A4, A5, and A5 Cabriolet	2.0 TFSI	8K5907115Q	0001	8K5907115Q	0002	01A203
Q5	2.0 TFSI	8R1907115N	0001	8R1907115N	0002	01A203
Q5	2.0 TFSI	8R1907115P	0001	8R1907115P	0002	01A203
Q5	2.0 TFSI H	8R1907115L	0001, 0002, or 0003	8R1907115L	0004	01A203
Q5	2.0 TFSI H	8R1907115M	0001 or 0002	8R1907115M	0003	01A203
Q5	2.0 TFSI	8R1907115F	0001	8R1907115L	0004	01A203
S4, S5, and S5 Cabriolet	3.0 TFSI	8K5907551G	0001, 0002, 0003, 0004, or 0005	8K5907551G	0006	01A203
RS 5 and RS 5 Cabriolet	4.2 TFSI	8T2907560F	0002, 0003, or 0004	8T2907560F	0005	01A150
Q5	3.0 TFSI	8R0907551F	0001, 0002, 0003, 0004, or 0005	8R0907551F	0006	01A203
SQ5	3.0 TFSI	8R0907551G	0001, 0002, 0003, 0004, or 0005	8R0907551G	0006	01A203



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A8	3.0 TFSI	4H2907551A	0001, 0003, or 0004	4H2907551A	0008	01A203
A6, A7	3.0 TFSI	4G0907551J	0001, 0002, or 0003	4G0907551J	0004	02A210
S6, S7	4.0 TFSI CEUC	4G0906014B	0008	4G0906014B	0009	01A203
S6, S7	4.0 TFSI CEUC	4G0906014E	0005	4G0906014E	0006	01A203
S6, S7	4.0 TFSI CTGE	4G0906014D	0001	4G0906014D	0002	01A203
RS 7	4.0 TFSI CWUB	4G0906560D	0001	4G0906560G	0002	01A203
RS 7	4.0 TFSI CWUB	4G0906560G	0001	4G0906560G	0002	01A203
A8	4.0 TFSI CTGA	4H0906014J	0005	4H0906014J	0006	01A203
A8 S	4.0 TFSI CTGF	4H0906014N	0001	4H0906014N	0002	01A203
S8	4.0 TFSI CGTA	4H0907557B	0004	4H0907557E	0004	01A203
S8	4.0 TFSI CTFA	4H0907557E	0003	4H0907557E	0004	01A203
S8	4.0 TFSI CTFA	4H0907557D	0005	4H0907557D	0006	01A203
S8	4.0 TFSI CTFA	4H0907557F	0002	4H0907557F	0003	01A203
S8 +	4.0 TFSI DDTA	4H0907557H	0001	4H0907557H	0002	01A203



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Warranty

Claim Type:	<ul style="list-style-type: none">• 110 up to 48 Months/50,000 Miles.• 1E1 up to 8 Years/80,000 Miles.• G10 for CPO Covered Vehicles – Verify Owner.• If the 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 (with no update needed)	2470 0199	Max 10 TU
Diagnostic Time:	GFF –Perform update through GFF and clear faults	0150 0000	Time stated on the diagnostic protocol (Max 50 TU)
	Road test before service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
Claim Comment:	As per TSB #2043357/11		

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(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 (2043357) 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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