Technical Service Bulletin

46 Vehicle does not start, battery flat DTC stored (DTC U101100)

46 14 78 2036688/1 April 3, 2014.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, A7	2011 - 2013	All	Not Applicable
A6, A7	2014	000001 - 003418	Not Applicable
A8	2010 - 2013	All	Not Applicable
A8	2014	000001 - 002223	Not Applicable

Condition

- Customer may report that the vehicle does not start due to a discharged battery.
- **DTC U101100** (supply voltage too low) is stored in the gateway, J533 (address word 19), and/or the electronic parking brake (EPB) control module, J540 (address word 53).
- According to the test plan “19-Read Data Bus Keep-Awake Manager”, the EPB control module kept the data bus active for prolonged periods of time.

Technical Background

The EPB switch appears to be permanently operating (applying or releasing the parking brake) due to an internal mechanical issue or because it is jammed or blocked by debris or by a foreign object.

Test plan “19-Read Data Bus Keep-Awake Manager”, identifies the EPB control module as keeping the data bus active for prolonged periods of time.

Example of data from test plan “19-Read Data Bus Keep-Awake Manager”:

Keep-awake manager in MVB: XXX

On 23.09.2013 at 12:33:43 O'clock:

The control module with diagnostic address 53 kept the bus awake for 20.6 hours.

Production Solution

New EPB software prevents discharge of the battery due to a faulty or jammed EPB switch:

- A8 (D4), A6 (C7), A7 (C7) Vehicles produced from week 22/2013: New software (SW0014) for EPB control unit with part number 4H0 907 801 G

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Service

1. Confirm that the EPB control module, J540 (address word 53), has been identified in test plan "19-Read Data Bus Keep-Awake Manager" as keeping the data bus active for prolonged period of time.
2. Identify the suffix of the control module and proceed with the appropriate scenario below.

Scenario 1 - If the suffix is A, B, C, D, or E:

1. DO NOT replace the EPB control unit.
2. Check if the EPB switch is jammed or blocked by a foreign object.
   - If it is jammed or blocked, removed the foreign object.
   - If it is not jammed or blocked, replace the EPB switch.

Scenario 2 - If the suffix is F:

1. Update the EPB control unit using the *SVM Update Instructions* below.

SVM Update Instructions

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Update the J540 (address word 53) 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	New Software Version (or higher)	SVM Code Input
A6, A7, A8	4H0907801F	0013	4H0907801G	0014	53A001

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Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	4662		
Damage Code:	0010		
Labor Operations:	**For Scenario 1 (Suffix A, B, C, D, or E):**		
	Parking brake switch remove & reinstall	4662 1950	10 TU
	Multimedia display unit remove & reinstall (A6 and A7 only)	9195 1900	30 TU
	Console remove & install (A8 only)	6817 1901	130 TU
	For Scenario 2 (F suffix):		
	Update EPB control module	0150 0000	Time stated on diagnostic protocol (Max 100 TU)
Diagnostic Time:	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 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 #2036688/1		

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

Part Number	Part Description	Quantity
Refer to ETKA	Switch for electric-mechanical parking brakes	1

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Additional Information

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

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

All parts and service references provided in this TSB (2036688) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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