

Battery dead or low after returning to the vehicle

91 07 13 March 5, 2007, 2014127/1

Model(s)	Year	VIN Range	Vehicle-Specific Equipment		
A6	2007	Up to 4F 7N073265			
A8	2007	Up to 4E 7N010103	Not Applicable		
Audi Q7	2007	Up to 4L 7D063347			

Condition

The vehicle battery is or is almost discharged and the Energy Management Control Module J644 indicates an increased static current in order of 700 mA.

Technical Background

Due to a software issue, the Radio R might not enter sleep mode if the ignition is turned off and the radio power remains on.

Production Solution

Software improvement in Model Year 2007.

Service

Evaluate the vehicle battery historical data stored in the Energy Management Control Module J644.



uided Functions	Au	di	V10.5	3.00 2	1/01/2007	
unctions						
electing vehicle system or fi	unction					
61 - Battery control	1			_		
J644-Energy Mgt.Ctrl.M	lo., general de	scription (RC	G.27)			
J644-Energy Mgt.Ctrl.M	lo., checking D	TC memory	1			
J644-Energy Mgt.Ctrl.M	lo., coding (RC	3.27)				
J644-Energy Mgt.Ctrl.M	lo., read MVB	(RG.27)				
J644-Energy Mgt.Ctrl.M	lo., trans.mode	activ./deact	tivating			
J644-Energy Mgt.Ctrl.M	lo., adapt. stati	c current me	eas.			
J644-Energy Mgt.Ctrl.M	lo., replacing (RG.27)				
J644-Energy Mgt.Ctrl.M	o., read histor	y data (RG.2	27)			
A-Battery, testing (RG. 2	27)					
A-Battery, state of charg	e (RG.27)					
Opening mode Vehicle	aniam Gata	Print	al any said	A A	-	
operand mode venicle			12			

Notes can be found in the entries for **Static current history**:

Guided Functions Function Test	Audi		V10.53.00	21/01/2007
Checking history data				
Selection				
Which history data should b	e displaye	d?	- th-	1
1. Static voltage history			-2-	1.Function description
2. Static current history			-3-	
 Critical energy balance Shut-off stages history 			4-	
5. Battery changing chronic			- 5-	Ŧ
6. further data			-6-	-
7. End program				
			-7-	
Opensing mode	Goto	int	2 1	

EXAMPLE FOR A VALID CASE:

An increased quiescent current was measured over a total period of 203 hours.

Quiescent current history =

2006-09-22,12:26:03*0098 hours 00.69 A, quiescent current

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2006-09-21,15:08:53*0019 hours **00.70 A**, quiescent current 2006-09-20,22:18:46*0012 hours **00.71 A**, quiescent current 2006-09-19,16:37:06*0018 hours **00.70 A**, quiescent current 2006-09-19,13:08:12*0000 hours **00.70 A**, quiescent current 2006-09-18,17:23:16*0015 hours **00.70 A**, quiescent current 2006-09-17,20:53:45*0012 hours **00.71 A**, quiescent current 2006-09-17,17:20:20*0001 hours **00.70 A**, quiescent current 2006-09-16,22:05:17*0017 hours **00.70 A**, quiescent current



Tip: Do not replace the Radio R. A software update is required.

MMI System Update procedure

1.Connect a recommended battery charger to the designated charging posts in the vehicle.

Tip: To avoid false readings of the battery manager, don't charge the battery directly at its posts.

2.Eject possible inserted CDs from the CD changer in the glove compartment and load Update CD **4F0 906 961 AB** in position 1.

3. All sound settings will be set to default after the update. Depending on the installed MMI components, further settings (Previous/Memory station list, stored CD name, directory entries and voice recognition name tags) may be lost.

Tip: Write down all settings to restore them after the update. Inform customers that they have to re-record their name tags.

4.Press and hold the MMI Control Head buttons: **Setup** and **Return** simultaneously until the following screen appears:

Current Config.	
Interfacebox (0x0100) Handyvorb2 (0x0101) DSP-High D3/AUX (0x0102	,
Navibox D3 (0x0103) SDS 3501 US (0x0105) TUNER EU/US/RDW (0x010	06)
12:02**	SWUpdate

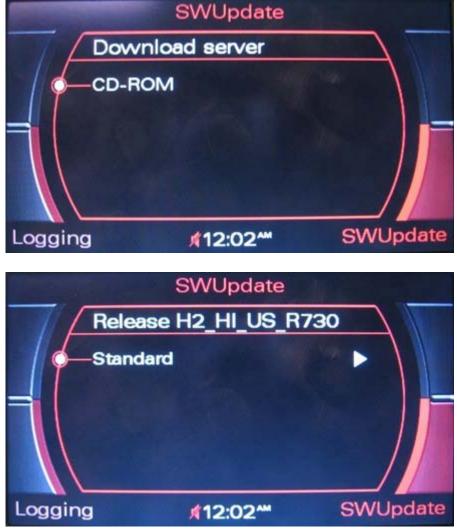
5. Press the lower right soft key of the MMI Control Head to enter the **SWUpdate** menu.

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6.Use the central control knob of the MMI Control Head to select CD-ROM and then Standard.



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7. The screen below, which may take a few seconds to appear, shows the current software status of the MMI component in comparison to the inserted Update CD.



8.Scroll down the component list with the central control knob and select Start download.

And the second s	SWUpdate		
Standa	ard		
/ / Andyv	orb2	YD	
DSP_D	3_AUX	ND	
2 4, 2 5	, 2 N	In the	
Start do	ownload		
Logging	#12:03 ^M	SWUp	date

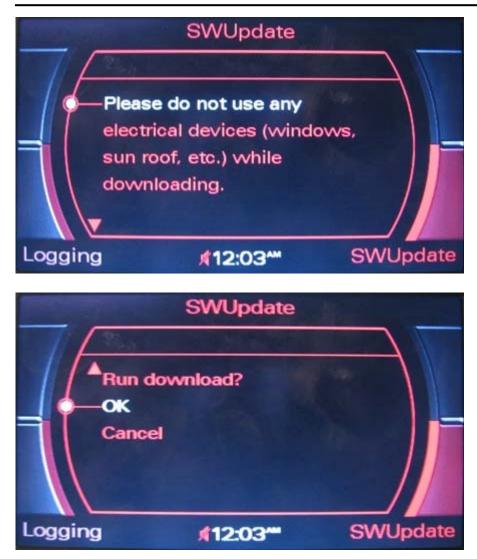
9.Note and obey the displayed message to avoid component breakdowns. Scroll down the screen to accept the following update with OK.

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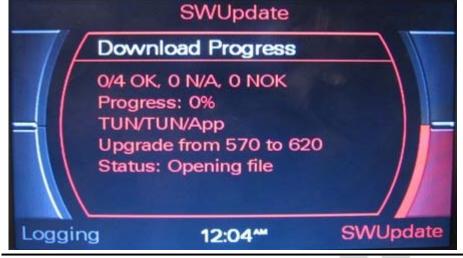
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10. The MMI component update lasts between 15 and 60 minutes, depending on the installed components.



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11.After initialization of the updated components, the following screen (or a similar one) appears.

Tip: The displayed status **Not OK** and - is update related and not a fault. Please ignore and proceed.

	SW	Update	
74	Standard		
	-MMI Hi	OK	
	TUN	OKD	
	IDC1	- D	·
	SDS D3	OKÞ	
	Handyvorb2	Not OK 🗅	
Loggin	ig 12	2:55 ⁴⁴ SV	VUpdate

If you scroll down the component list, you may discover that not all necessary component updates were performed in the first step (not all **OK**). In this case, select **Try again** to perform the missing component update.

	SWUpdate	
Stan	dard	
3 OK, Try a	D3_AUX 1 NOK, 2 None gain? art MMI	->
Logging	12:56**	SWUpdate

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If all necessary components are updated (0 NOK) select Restart MMI to reset the MMI system.



12.Eject Update CD 4F0 906 961 AB and reinsert removed CDs, if applicable

13.Connect the VAS Tester to the vehicle and erase all sporadic fault codes.

14.Select **07 - Display/control unit** and add **32** to the adaptation value of adaptation channel 2. The battery charge status will then be displayed again.

15.Perform the required SVM Update using action code:

- NA4FK730 for the A6.
- NA4EK730 for the A8.
- NA4LK730 for the Audi Q7.

For further SVM update instructions and troubleshooting, please refer to the SVM Operating Manual; ElsaWeb TSB 2011732.

Warranty

When procedure applies to vehicles within the New Vehicle Limited Warranty, use the following:					
Claim Type:	W2	W2			
Part Identifier:	9153	9153			
Damage Code:	9153 39 002 1				
Labor Operations:	9153 25 99	MMI Zug Update	100 TU		
Diagnostic Time: No Diagnostic Time Allowed					
Claim Comment:	As per TSB #2014127/1				
All warranty claims sub to review or audit by Au		st be in accordance with the Audi Warranty Pol	icies and Procedures Manual. Claims are subj		

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Required Parts and Tools

Part Number	Part Description	Quantity
4F0 906 961 AB	Update CD MMI	1

All part and service references provided in this TSB are subject to change and/or removal. Always check with your Parts Dept. and service manuals for the latest information.

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