

Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised header data (Added model years)
3	8/7/2009	Revised header data
2	2/27/2009	Revised Condition (Software) Revised Service (SVM table)
1	11/5/2008	Original publication

- The customer may report that the engine doesn't start due to a discharged vehicle battery.
- Possibly affected vehicles must have the following equipment:
  - Audi Advanced Key (PR No. 4F2, 4K7 or 4I3).
  - Control unit for access and start authorization J518 (address 05) SW version below 240 (4F0 905 852 B) or below 50 (4F0 905 852 C).

Technical Background

Pressing the start button while the ignition key is not in the vehicle wakes the CAN comfort bus system and may keep the system awake. This may lead to a discharge of the vehicle battery to the point that an engine start is no longer possible.

Production Solution

New software in the control unit for access and start authorization (J518) resolved the problem.

Service

1. Connect the vehicle to an approved charger or voltage maintainer and verify the battery state of health with the "Battery Test Plan" in the 61 - energy management control unit J644.

Recharge or replace the battery according to the result.



Tip: When replacing the battery, all necessary documentation must be attached to the work order.

2. Use the history data from the energy management control unit J644 (address 61) to verify whether an awake CANbus or customer influence (e.g. ignition or ext. lights on) has discharged the vehicle battery.
3. If an awake CANbus is confirmed, try to reproduce the condition.
  - a. Disconnect the battery charger/maintainer, if applicable.
  - b. Switch off ignition.
  - c. Remove all keys from the vehicle.
  - d. Press the start button and measure the closed-circuit current of the vehicle battery.
4. If the condition can be reproduced, perform a SVM software update of the control unit for access and start authorization J518 (address 05).

#### SVM Update Instructions

- a. Follow the instruction in the attached TSB 2011732 00 Software Version Management (SVM), operating instructions.
- b. Update the control unit for access and start authorization J518 (address 05) using SVM action code as listed in the table below if necessary.

Control unit for access and start authorization J518	Old Software Version	New Software Version (or higher)	SVM Action Code
4F0 905 852 B	< 240	240	For A5:

4F0 905 852 C	< 50	50	4F05A004 For Audi Q7: 4L05A002
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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:	9666		
Damage Code:	0039		
Labor Operations:	Battery charging preparation	2706 89 50	10 TU
	Replace battery, if necessary according to battery test plan	2706 55 50 2706 55 00	50 TU (Q7) 70 TU (A6)
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol
	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 #2019143/4		

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

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

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