

# Technical Service Bulletin



## 48 Power steering warning in cluster, DTC for low starting voltage (DTC 2035 or 2036)

48 14 58 2035178/2 April 25, 2014. Supersedes Technical Service Bulletin Group 48 number 13-53 dated September 10, 2013 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4, A5, A5 Cabriolet, Q5	2013	All	Not Applicable

## Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised title Revised <i>Warranty</i> (Changed Service Number)
1	9/10/2013	Initial publication

- On vehicles equipped with a manual transmission, a steering warning may briefly display in the instrument cluster when the engine is restarted after improper use of the clutch pedal. For example, the warning may appear when the engine is restarted after the clutch pedal has been released too quickly during low-RPM, low-speed parking lot maneuvers.
- The message could be either of the following, as illustrated in the owner's manual (Figure 1):
  - A yellow steering warning symbol with the message "Steering fault. You can continue driving".
  - A red steering warning symbol with the message "Steering defective. Do not drive the vehicle".
- One of the following symptom codes may be stored in the diagnostic log under the power steering control module, J500 (address word 44):
  - **DTC 2305** (restricted function through low starting voltage)
  - **DTC 2306** (restricted function through low starting voltage)

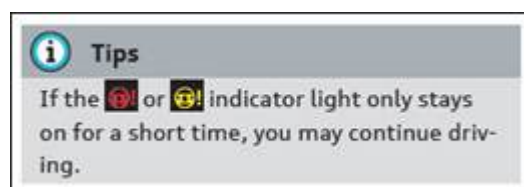


Figure 1. Owner's Manual Tip

## Technical Background

The vehicle system voltage drops when the starter motor is operating. Because the power steering control module has a parallel circuit with the starter motor (terminal 29), this normal voltage drop may set a symptom code within the scenario described in the *Condition* section of this bulletin.

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## Production Solution

Updated software.

## Service

1. Do not replace the steering gear for this condition.
2. Ensure that the power steering control module, J500 (address word 44), already has software version 0507 or greater. If the software version is under 0507, perform campaign 48K8 before proceeding to the next step.

Example:

*Address: 44 System name: 44 - Power Steering Protocol versions: UDS/ISOTP*

*ASAM base version: BV\_SteerAssisUDS*

*ASAM control module version: EV\_RCEPSAU48X\_008*

*Hardware part number: 8R0909144B*

*Software part number: 8R0909144F*

*Hardware version number: H37*

*Software version number: 0507*

3. Update the software using the instructions below.

### SVM Update Instructions

1. Follow all instructions in the attached TSB, 2011732: 00 Software Version Management (SVM), operating instructions.
2. Update the instrument cluster (Address 17) using the SVM action code as listed in the table below, if necessary.

Model	Engine and/or Transmission	Old Software Part Number	Old Software Version	New Software Part Number	New Software Version (or higher)	SVM Action Code
A4,A5,A5 Cab, Q5	N/A	N/A	All	N/A	0557	17A011

# Technical Service Bulletin



## Warranty

<b>Claim Type:</b>	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
<b>Service Number:</b>	4835		
<b>Damage Code:</b>	0039		
<b>Labor Operations:</b>	SVM update	9025 2599	50 TU
	Battery charge	2706 8950	10 TU
<b>Diagnostic Time:</b>	GFF	0150 0000	Time stated on diagnostic protocol (Max 20 TU)
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
<b>Claim Comment:</b>	As per TSB #2035178/2		

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

All parts and service references provided in this TSB (2035178) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.