

## 39 Sports differential fails basic setting after differential or sensor replacement

39 13 13 2035249/1 September 23, 2013.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S4 / S5 / S5 Cabriolet	2010	All	Sports Differential

## Condition

- The basic settings of the all-wheel drive control module, J492 (address word 22), fails after the sports differential has been replaced, or after a sensor on the sports differential has been replaced. The following message appears (Figure 1):

**Actuator status: exited due to reasons of safety**  
The function of the sport differential was not successfully checked.  
- Make sure there is no malfunction relating to the oil pressure/temperature sensors.  
- Engine off.

**Figure 1.** Failure message (This message related to the protection of the sensors. It is not related to the technician or the vehicle operator).

- The condition occurs on vehicles with sports differential and the following software:  
Diagnosis address: 22 - All-wheel drive (Quattro Sport):  
Software part number 8K0907163  
Software version: 0004

## Technical Background

Software update necessary in order to adapt replacement parts.

## Production Solution

Optimized software in the all-wheel drive control module, J492.

# Technical Service Bulletin



## Service

If the basic setting fails, perform the software update below.

### SVM Update Instructions

1. Follow all instructions in the attached TSB, 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Update the all-wheel drive control module, J492, using the SVM action code as listed in the table below if necessary.

Model	Differential	Old Software Part Number	Old Software Version	New Software Part Number	New Software Version (or higher)	SVM Action Code
S4 / S5 / S5 Cabriolet	0BF	8K0907163	0004	8K0907163A	0025	GFS22A001

After the SVM update, the basic settings can be performed.

## 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>	3993		
<b>Damage Code:</b>	0039		
<b>Labor Operations:</b>	Update software of all-wheel drive control module	3993 2599	40 TU
	Charge battery	2706 8950	10 TU
<b>Diagnostic Time:</b>	GFF – Claim for the differential repair	No allowance	0 TU
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 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 #2035249/1		

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.

# Technical Service Bulletin

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## Additional Information

All parts and service references provided in this TSB (2035249) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.