

96 False warning by lane change assistant (Audi Side Assist)

96 13 75 2033782/2 September 23, 2013. Supersedes Technical Service Bulletin Group 96 number 13-62 dated May 28, 2013 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
allroad	2013	All	Not Applicable

Condition

REVISION HISTORY				
Revision	Date	Purpose		
2	-	Revised header data (Added customer code) Revised <i>Service</i> (Removed VAS-PC instructions; updated SVM update instructions) Revised <i>Warranty</i> (Added labor operations)		
1	5/28/2013	Initial publication		

 Customer complains that Audi Side Assist is providing false warnings (no vehicle is present in the blind spot). The concern may or may not be duplicated.

- No DTCs are present in the Audi Side Assist system.
- The mounting brackets for the control units may be loose or broken.

Technical Background

- An incorrect hardware or software set created by the supplier.
- The mounting bracket for the control units becomes loose over time.

Production Solution

Improved hardware and software introduced into production.

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Service

This TSB applies only to the A4 allroad. This information does not apply to A4/S4 sedans & A5/S5/RS 5 coupe vehicles. Please reference TSB 2030583 for A4/S4 sedans & A5/S5/RS 5 coupe vehicles.

1. Use the Control Module ODB function within ODIS to determine the hardware version, the production date, and the software part number of both the lane change assistance control module, J769, and the lane change assistance control module 2, J770:

Using ODIS:

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 Start Diagnosis -> Fill out Engine Information from drop down menu -> Uncheck option for "Guided Fault Finding" --> Select Tab "Control module list" --> Scroll down list to "3C Lane Change Assistant" (ECU option will be greyed out) -> Right click on "3C Lane Change Assistant" and select "Identify control module" (Figure 1).

Wait for the information to populate. This usually takes 5-10 seconds.

<mark>©ı</mark> Offboard Diagno	stic Informat	ion System Service - 1.0.5			
Importer:		444	VIN:		Wl
Dealer:		03999	Engine		CA
Order:					
Control module	es mesuits	Orders Dioo Top Test	Opera	ation opecial functions	
Control modu	le list (57 e	ntries)			
Addre 🔺	Fault	Name			
37	0	Navigation (— — —)			
3C				Measurement	
3D	0	Special Function (—)	Identify control module	
ЗE	0	Media Player Position 4 (-		Select version	
0121				Check DTC memory	
40		Air Conditioning Compres		Read all DTC memories	
42		Door Electronics Driver S		Guided Functions	
44	ö	Steering Assistance (—		Control module OBD	
				Vehicle OBD	
46		Central Module Comfort	System (—)	

Figure 1. 3C Lane Change Assistant is greyed out until "Identify control module" is selected.

Address	Fault	Name		
69	0	Trailer Function (N	ot yet identified) (— — -	—)
89	0	Multi Contour Sea	Measurement	lentified) (— -
A9	0	Actuator For Struc	Identify control module	dentified) (—
8A	0	Multi Contour Sea	Select version	dentified) (—
BA	0	Assembly Mountin	Check DTC memory])
1B	0	Active Steering (N	Read all DTC memories].
3B	0	Sensor Electronic:	Guided Functions	_)
8B	0	Adaptive Cruise C	Control module OBD)
3C	3	Lane Change Ass	Vehicle OBD	ssistant) (4G0
6C	0	Camera System R	ear View (Not yet identifie	d) (— — —)
00	0	Datton (Enorm (Co	steel Madula (Naturatidae	tition dV7
Network dia	gram Con	trol module list DTC m	nemory list Equipment list	
				No. of Concession, Name
O Diagnos	sis 🕨 🖻 Gu	uided Fault Finding	🔳 Display 🛛 💐 Sorting	

Figure 2. Control module OBD option is available after "Identify control module" completes.

Wait for the Control module OBD Results tab to populate the ECU information.

Once the information has populated, right-click on "3C Lane Change Assistant" and select "Control Module ODB" (Figure 2).

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 Under the Results tab, click on the button "Show Advanced Identification" (Figure 3), and then select the "Update" button on the right.

8C - Lane Change Assistant	(KWP2000)	(TP20/4G0907566J /0040/H02)	Adaptation	2
System identification	Parts numb	or	ABCA.	Software version
J769 SWA MasterH02	4G0907566	J		0040
J770 SWA Slave H02	4G0907568	J		0040
Production date		14.06.12		
Manufacturer code/hame	0	HLH-45F		
Manufacturer change st	atus	00H02000		
Manufacturer test facility		SCY2		
Manufacturer serial num	ber	4333		
VIN		Data not available		

Figure 3. Control Module OBD screen showing part information and production date.

The part number, hardware version, and software version information will automatically populate at the top of the screen

- Click on the "SWA MasterH0X" at the top and then scroll down in the lower half of the screen until you get to the "Production date" field ("X" can be any number, i.e. "SWA MasterH02" and will represent the hardware version of the ECU).
- 2. Using the software part numbers first, then the hardware version, find the matching information on the left side of the table below, and proceed with the corresponding instructions on the right side. Only one set of instructions will apply.

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 Software part numbers are 8T0 907 566 A (J769) and 8T0 907 568 A (J770). 	1. Replace only the control unit which has the early build date.
 Both control units have hardware version H16. One or both control units have a build date <i>before</i> 03/02/2012. 	 Perform SVM code 3CA010 according to the table below. Only a new parameterization will be given. No major software update is performed. Proceed to step 3, below.
 Software part numbers are 8T0 907 566 A (J769) and 8T0 907 568 A (J770). 	 Perform SVM code 3CA010 according to the table below. Only a new parameterization will be given. No major software update is performed.
Both control units have hardware version H16.	no major sonware update is performed.
	2. Proceed to step 3, below.
 Both control units have a build date after 03/02/2012. 	
 Software part numbers are 8T0 907 566 A (J769) and 8T0 907 568 A (J770). 	 Perform SVM code 3CA010 according to the table below. Only a new parameterization will be given. No major software update is performed.
• Both control units have a hardware version H17 or	no major soltware update is performed.
higher.	2. Proceed to step 3, below.
 Software part numbers are 8T0 907 566 B (J769) and 8T0 907 568 B (J770) with SW version 0060. 	1. Perform SVM code 3CA010 according to the table at the end of this section.
	2. Proceed to step 3, below.

3. Perform a visual inspection of the plastic mounting brackets for the J769 and J770 control units. It is possible the plastic weld has come loose or is broken apart from the rear bumper cover (Figure 5).



Figure 5. Bumper bracket weld locations with broken welds.

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4. Replace the rear bumper cover assembly if the bracket is loose (Figure 6).

5. Replace the rear bumper cover assembly if the

bracket is broken (Figure 7).

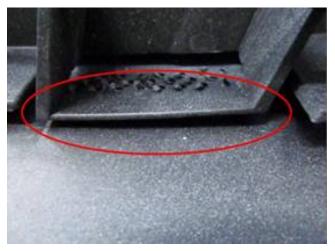


Figure 6. Loose bracket.



Figure 7. Broken bracket.

6. Recalibrate the Audi Side Assist system, regardless of whether or not the bumper cover is replaced.

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SVM Update Instructions

- 1. Follow all instructions in the attached TSB, 2011732: 00 Software Version Management (SVM), operating instructions.
- 2. Update the parameterization of the master lane change assistance control module, J769, 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	SVM Code
	8T0 907 566 A	40	8T0 907 566 A	40	
A4 allroad	8T0 907 566 B	60	8T0 907 566 B	71	3CA010

Tip: The SVM code provided is specific to the A4 allroad, and it will not work for any other vehicles. Because this SVM version only provides a new parameterization, the software version does not change.

Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.				
Service Number:	9635				
Damage Code:	0040				
Labor Operations:	Inspect control unit mounting bracket	6369 9999	10 TU		
	Check ECU Identification Information	9635 9999	25 TU		
	OR				
	Inspect control unit mounting bracket	6369 9999	10 TU		
	Rear bumper cover remove+reinstall	6369 1912	90 TU		
	Check ECU Identification Information	9635 9999	25 TU		
	Remove and install 1 control unit for lane changing assistant	9635 1950	10 TU		
	Adjust control units for lane changing assistant	9635 1500	70 TU		
	OR				
	Inspect control unit mounting bracket	6369 9999	10 TU		
	Rear bumper cover remove+reinstall	6369 1912	90 TU		

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	Check ECU Identification Information	9635 9999	25 TU
	Remove and install 2 control units for lane changing assistant	9635 2050	20 TU
	Adjust control units for lane changing assistant	9635 1500	70 TU
	OR		-
	Inspect control unit mounting bracket	6369 9999	10 TU
	Rear bumper cover remove+reinstall	6369 1912	90 TU
	Rear bumper cover replace (allroad)	6369 5562	40 TU
	Check ECU Identification Information	9635 9999	25 TU
	Remove and install 1 control unit for lane changing assistant	9635 1950	10 TU
	Adjust control units for lane changing assistant	9635 1500	70 TU
	OR		
	Rear bumper cover remove+reinstall	6369 1912	90 TU
	Check ECU Identification Information	9635 9999	25 TU
	Rear bumper cover replace (allroad)	6369 5562	40 TU
	Remove and install 2 control units for lane changing assistant	9635 2050	20 TU
	Adjust control units for lane changing assistant	9635 1500	70 TU
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol (Max 150 TU)
	Road test prior to service procedure	0121 0002	10 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 details)	ne for DADP al	lowance
Claim Comment:	As per TSB #2033782/2		

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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
8T0907566A	Control unit for lane change assist (MASTER)	As needed
8T0907568A	Control unit for lane change assist (SLAVE)	As needed
8K9807434A XXX	Spoiler (rear bumper)	As needed
8K9807511F GRU	Cover for bumper (rear upper)	As needed

Additional Information

All parts and service references provided in this TSB (2033782) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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