

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

96 13 81 2033782/3 December 6, 2013. Supersedes Technical Service Bulletin Group 96 number 13-75 dated September 23, 2013 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4 allroad	2013	000001-999999	Audi Side Assist (PR Code 7Y1)
A4 allroad	2014	000001-057893	Audi Side Assist (PR Code 7Y1)

Condition

REVISION HISTORY				
Revision	Date	Purpose		
3	-	Revised Technical Background (Removed information about software)		
		Revised Service (Removed SVM update instructions for software part number ending in "A")		
		Revised Warranty (Adjusted TUs for GFF)		
2	9/23/2013	Revised header data (Added customer code)		
		Revised Service (Removed VAS-PC instructions; updated SVM update instructions)		
		Revised Warranty (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

- Incorrect hardware from the supplier.
- The mounting bracket for the control units becomes loose over time.

© 2013 Audi of America, Inc.

Page 1 of 8

All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.



Production Solution

Improved hardware and software introduced into production.

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:

- 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:		WU
Dealer:		03999	99 Engine:		CAI
Order:		—			
Control module	s Résults	Orders Dioo Tob Test pie	Opera	tion opecial functions	
Control modul	e list (57 ei	ntries)			
Addre 🔺	Fault	Name			
37		Navigation (— — —)			
3C	0	Lane Change Assistant (Measurement	
3D	0	Special Function (-)	Identify control module	
OF.	0	Madia Playor Position 4 (Select version	
0E	0	Media Flayer Fosition 4 (Check DTC memory	
40		Air Conditioning Compress		Read all DTC memories	
42		Door Electronics Driver Sid		Guided Functions	
A.A.	0	Steering Assistance (Control module OBD	
	~			Vehicle OBD	
46		Central Module Comfort Sy	/stem (—*)	

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

© 2013 Audi of America, Inc.

Page 2 of 8

All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.



- Once the information has populated, right-click on "3C Lane Change Assistant" and select "Control Module ODB" (Figure 2).
- Wait for the Control module OBD Results tab to populate the ECU information.

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	identified) (— -
8A	0	Multi Contour Sea	Select version	dentified) (— —
ва	0	Assembly Mountin	Check DTC memory])
18	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) (4G090
6C	0	Camera System Rear View (Not yet identified) ()		
20 0 Pattan: Energy Control Vadula (Naturat identified) (
Network diagram Control module list DTC memory list Equipment list				
Oiagnosis Diagnosis Guided Fault Finding Siplay				

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

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

Control modules Results	Orders	Operation Special functions		
SC - Lane Change Assista	nt (KWP2000	/TP20/4G0907566J /0040/H02)	Adaptation	2
System identification	Parts numb	or		Software version
J769 SWA MasterH02	4G0907568	u .		0040
J770 SWA Slave H02	4G090756	IJ		0040
Show standard identifica	tion 🖌			Update
Attribute		Value		~
Manufacturer code/har	me	HLH-45F		
Production date		14.06.12		4
Manufacturer change	status	00H02000		
Manufacturer test facil	ity number	3CY2		
Manufacturer serial nu	mber	4333		
VIN		Data not available		
Filter				

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

© 2013 Audi of America, Inc.

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

Page 3 of 8

All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.



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.

•	Software part numbers are 8T0 907 566 A (J769) and 8T0 907 568 A (J770). Both control units have hardware version H16.	Replace only the control module that has a build date before 3/2/2012, then proceed to step 3.
•	One or both control units have a build date <i>before</i> 03/02/2012.	
•	Software part numbers are 8T0 907 566 A (J769) and 8T0 907 568 A (J770).	Proceed to step 3.
•	Both control units have hardware version H16.	
•	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).	Proceed to step 3.
•	Both control units have a hardware version H17 or higher.	
•	Software part numbers are 8T0 907 566 B (J769) and 8T0 907 568 B (J770) with SW version 0060.	Update the software of the Master control unit using the SVM code listed below then proceed to step 3.

SVM Update Instructions

- Follow all instructions in the attached TSB, 2011732 00 Software Version Management (SVM), operating instructions.
- 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	Old Software	New Software Part	New Software	SVM
	Number	Version	Number	Version	Code
A4 allroad	8T0 907 566 B	0060	8T0 907 566 B	0071	3CA010

Tip: The software update provided by this SVM code is specific to the A4 allroad, and the SVM code will not provide any software update for any other models. For other models, this SVM code will only provide a new parameter set, and will not change the software version. The new parameter set only addresses the "Sensors Blocked" condition as indicated in TSB 2035047.

© 2013 Audi of America, Inc.

All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.



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.



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.

broken (Figure 7).

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

^{© 2013} Audi of America, Inc.

All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.



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	1	
	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 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	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

Page 6 of 8

© 2013 Audi of America, Inc. All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.



9635 1500 70 TU Adjust control units for lane changing assistant OR Rear bumper cover remove+reinstall 6369 1912 90 TU Check ECU Identification Information 9635 9999 25 TU Rear bumper cover replace 6369 5562 40 TU Remove and install 2 control units for lane 9635 2050 20 TU changing assistant 70 TU Adjust control units for lane changing assistant 9635 1500 **Diagnostic Time:** GFF 0150 0000 Time stated on diagnostic protocol (Max 60 TU) 0121 0002 10 TU Road test prior to service procedure 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) **Claim Comment:** As per TSB #2033782/3

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

© 2013 Audi of America, Inc.

All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.



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.

© 2013 Audi of America, Inc.

Page 8 of 8

All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.