

91 Front TopView camera cannot be calibrated; picture appears upside down

91 14 22 2035912/2 January 10, 2014. Supersedes Technical Service Bulletin Group 91 number 13-16 dated November 27, 2013 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6/A7	2013-2014	Not Applicable	Top View / Corner View Camera System
A8	2013-2014	Not Applicable	Top View Camera System
Q7	2013 - 2014	Not Applicable	Top View Camera System

Condition

REVISION HISTORY				
Revision	Date	Purpose		
2	-	Revised header data (Added Q7)		
1	11/27/2013	Initial publication		

After the camera control module, J928, has been replaced, the front image is upside down and cannot be changed (Figure 1). The calibration cannot be completed.



Figure 1. Upside down image.

Technical Background

The coding of the camera control module is not completed correctly.

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Production Solution

Revised software.

Service

- 1. Using ODIS, enter binary coding of the J928 control module:
 - a. Right-click on the 6C module, then select Control module OBD (Figure 2).

Click past this warning

message and proceed.

Importer: Dealer: Order:		444 03W98 —	VIN: Engine:	WAUHMBFC9EN002549 CPNB 3.0I TDI / 176 KW	@X `>	Audi
Control mod	lules	DISS TSB				😵 Diagnosis
Control mo	dule list (69	entries)	i. Mi A			🍘 Self Diagnosis
Address	Fault	Name			^	Resh
3B	0	Sensor Electronics (3	B - Sensor Electronics Gen. 2)(4G0907637K 0056 SARA 6D)		C Human
8B	0	Adaptive Cruise Contr	rol 2 (8B - Distance Regulation	2) (4G0907541A 0400 ACC3)		
3C	0	Lane Change Assista	nt (3C - Lane Change Assista	nt) (4G0907566D 0060 J769 SWA MasterH03)		📔 Info
6C	0	Camera System Rear	View (60 - Perinheral camera	system) (4H0907428A 0150 TopView)		Admin 1
8C	0	Battery Energy	rement dentified) (-)		log X
AC	0	Reductant C	control module	SCR-Stg-G2)		Log
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Figure 2. Selecting Control module OBD.

b. Choose *Code* from the menu WAUHMBFC9EN002549 CPNB 3.0I TDI / 176 kW 444 VIN all @ X >> (Figure 3). The tester will Audi state that the operation failed. 📎 Diagno Orders DISS TSB Test plan Operation Special function 10 Name Addr Fault 1225 1 3B Sensor Electronics (3B - Sensor Electro 0 A Measurement 8B Adaptive Cruise Control 2 (8B - Distance Adaptation 😭 Info 30 Lane Change Assistant (3C - Lane Cha ode Bus ma 🐼 Admir 6C Camera System Rear View (6C - Periph Output diagnostic test mode Access authorization Log AC Reductant Control Module (4G0907356 D Print -🔳 Stop 1 etwork diagram Control module list DTC memory list Equipment list 3 Diagnosis 🔳 Display... 💐 Sorting... >> 0

Figure 3. Selecting Code.

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c. Click the *Binary Coding* button at the bottom of the screen (Figure 4).

 Read the value of Byte 1 in the *Current hex value* column (Figure 5). Record this number

for future use.

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6C - Camera System B	ear View (UDS/15	SOTP/4H0907428A /0150/H	105 / EV CamerS	vsteTop/vewAUDL/006(Adaptation		🍘 Self Diagnosis	
System ID TopView						S Flash	
Parameter name	_	Current value	Entry			A Measurement	
[LO]_VPA Options	}	[VO]_all (RV/FV/SV/BV)				😝 Info	
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Figure 4. Binary Coding button at bottom of screen.

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Figure 5. Current value of Byte 1.

- 3. Click on the Hex input column next to Byte 1 and change the value based on the following list:
 - A6/A7: Change value to HEX 08
 - A8 MY2011-2013: Change value to HEX 02
 - A8 MY 2014+: Change value to HEX 13

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4. Apply the value (Figure 6).



Figure 6. New HEX value entered. Click Apply button.

5. Choose *Apply* again (Figure 7).

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Control mod	lules Results Orders	DISS TSB Test plan	Operation Speci	al functions		Diagnosis
6C - Came	ra System Rear View(UDS/ISOTP/4H0907	428A / 0150 / H0	5/EV CamerSysteTopViewAUD)/006(Adaptation		() Self Diagnosis
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Figure 7. New HEX value entered. Click Apply button.

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 On the confirmation page, uncheck the option to *Reset* control modules. Select "Yes" (Figure 8). Two more errors will appear, stating that the values cannot be checked, and that the read operation failed. Click past these errors and the new coding value will now be in byte 1.

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Importer: Dealer: Order:	444 03W98 —	1	VIN. Engine:	WAUHMBFC9EN002549 CPNB 3.0I TDI / 176 kW	<i>∞</i> X ∞	
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Figure 8. Uncheck 'Reset control modules'. Perform the coding.

7. Repeat steps 3 – 6, but instead change Byte 1 back to the original value written down in Step 2. In Step 6, again uncheck *Reset control modules* when applying the coding.

Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.							
Service Number:	9084							
Damage Code:	0039							
Labor Operations:	Code camera control module 9084 2599 20 TU							
Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	No allowance	0 TU					
	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 #2035912/2							

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Additional Information

All parts and service references provided in this TSB (2035912) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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