



Technical Service Bulletin

90 Various messages displayed, DTCs B200FF1 and/or B200FF2 stored in the camera control module

90 18 96 2048926/4 August 23, 2018. Supersedes Technical Service Bulletin Group 90 number 18-95 dated August 16, 2018 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4, Q7	2016 - 2019	All	With multifunction camera
A5, A5, Cabriolet, and Q5	2018 - 2019	All	With multifunction camera

Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised header data (Added MY19 and revised for specific software versions) Revised <i>Production Solution</i> (Added solution) Revised <i>Service</i> (Added SVM update instructions)
3	08/16/2018	Revised <i>Warranty</i> (Updated Labor Operation)
2	07/10/2018	Revised title Revised <i>Warranty</i> (Updated Labor Operations) Revised <i>Required Parts and Tools</i> (Updated part numbers)

Customer statement:

In the driver information system (DIS) one or several of the following messages are displayed:

- Audi pre sense: malfunction.
- Traffic sign detection: malfunction.
- Adaptive cruise control with congestion assistant is not available.
- Audi active lane assist: currently not available.

Workshop findings:

One of the following DTC(s) is stored in the camera control module, R242 (address word 00A5) as either static or sporadic:

- **DTC B200FF1** (internal malfunction).
- **DTC B200FF2** (internal malfunction).



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Technical Background

During its start phase the camera recognizes a malfunction in the internal communication.

Production Solution

Improved software addressed the condition (DTC B200FF2).

Service

1. If only **DTC B200FF1** (internal malfunction) is logged, then replace the camera control module.
2. If both **DTCs B200FF1** and **B200FF2** are logged, then replace the camera control module.
3. If only **DTC B200FF2** (internal malfunction) is logged, proceed as follows:
 - Update the camera control module with SVM to SW0044 via **SVM code A5A002**.



Note:

Claims with a replaced camera control modules which only had the **DTC B200FF2** once may be denied.

SVM Update Instructions

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Update the Camera Control Module (00A5) 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 (or higher)	SVM Code Input
A4/A5	8W0907217A 8W0907217B	0030 0042	8W0907217B	0044	A5A002
Q7	4M0907217B 4M0907217C 4M0907217D	*	4M0907217D	0044	A5A002
Q5	80A907217	0042	80A907217	0044	A5A002



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Warranty

Claim Type:	• 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9638		
Damage Code:	0040		
Labor Operations:	All Models:		
	Software Update	0151 0000	Time stated on diagnostic protocol (Max 70 TU)
	Camera Driver Assist Sys Adjust	9638 1550	40 TU
	Preparation Driver Assist Calibration	9092 0050	30 TU
	Vehicle front + rear checked	4495 0100	70 TU
	A4 and A5:		
	Camera Driver Assist Sys replaced	9638 5550	60 TU
	Inside mirror remove and reinstall	6827 1900	20 TU
	A5 Cabriolet:		
	Camera Driver Assist Sys replaced	9638 5500	110 TU
	Q5:		
	Camera Driver Assist Sys replaced	9638 5500	60 TU
	2 Headlight assembly adjust	9415 1600	20 TU
	Or 2 Headlight assembly adjust	Or 9415 1601 (LED Only)	Or 30 TU
	Q7:		
	Camera Driver Assist Sys replaced	9638 5550	20 TU
	Inside mirror removed + reinstalled	6827 1900	20 TU



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	2 Headlight assembly adjust Or 2 Headlight assembly adjust	9415 1600 Or 9415 1601 (LED Only)	20 TU Or 30 TU
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol (Max 100 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
Claim Comment:	As per TSB #2048926/4		

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

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.		
Part Number	Part Description	Quantity
See ETKA	Front Camera for driver assistance programs	01
4M0955609	Silicone pad for front camera	01
See ETKA	Fasteners, Bolts, Nuts and Screws as needed per the Repair Manual	See ETKA/ELSA

Additional Information

The following Technical Service Bulletin will be necessary to complete this procedure:

- TSB 2011732, *00 Software Version Management (SVM), operating instructions*.

All parts and service references provided in this TSB (2048926) are subject to change and/or removal.

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