



Technical Service Bulletin

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

90 20 77 2048926/9 October 16, 2020. Supersedes Technical Service Bulletin Group 90 number 19-22 dated August 14, 2019 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q7, SQ7	2017 - 2019	All	With multifunction camera
A4, A4 allroad, and S4	2017 - 2020	All	With multifunction camera
A5, A5 Cabriolet, A5 Sportback, S5, S5 Cabriolet, S5 Sportback, RS5, RS5 Cabriolet, Q5, and SQ5	2018 - 2020	All	With multifunction camera

Condition

REVISION HISTORY		
Revision	Date	Purpose
9	-	Revised header (Added MY20 & new SW versions) Revised <i>Service</i> (Updated instructions and SVM table)
8	08/14/2019	Republished
7	06/05/2019	Revised header (Updated model code) Revised <i>Warranty</i> (Updated Labor Operations)

Customer states:

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.



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Workshop findings:

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

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

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** is logged and the software of the camera control module, R242 (address word 00A5) is **older than 0055**, proceed as follows:
 - Update the camera control module, R242 (address word 00A5) 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

4. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
5. Update the camera control module, R242 (address word 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



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A4, A5	8W0907217A 8W0907217B	>0044	8W0907217B	0044	A5A002
	8W0907217C	>0055	8W0907217C	0055	
Q7	4M0907217B 4M0907217C 4M0907217D	>0044	4M0907217D	0044	
	4M0907217E	>0055	4M0907217E	0055	
Q5	80A907217	>0044	80A907217	0044	
	80A907217A	>0055	80A907217A	0055	

Warranty

Claim Type:	• 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9638		
Damage Code:	0040		
Labor Operations:	Software Update	0151 0000	Time stated on the diagnostic protocol (Max 70 TU)
	Camera Driver Assist Sys Adjust	9638 1550	See SRT with associated operations
	Preparation Driver Assist Calibration	9092 0050	See SRT with associated operations
	Vehicle front + rear check	4495 0150	See SRT with associated operations



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	Camera Driver Assist Sys replaced	9638 5550 (A4, A5, Q5, and Q7) 9638 5500 (A5 Cabriolet)	See SRT with associated operations
	Inside mirror remove and reinstall	6827 1900 (A4, A5, A5 Cabriolet, Q5, and Q7)	See SRT with associated operations
	2 Headlight assembly adjust Or 2 Headlight assembly adjust	9415 1650 (Q5 and Q7 only) Or 9415 1651 (LED Only) (Q5 and Q7 only)	See SRT with associated operations
Diagnostic Time:	GFF	0150 0000	Time stated on the diagnostic protocol (Max 100 TU)
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	0121 0004	10 TU
Claim Comment:	As per TSB #2048926/9		

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 the front camera	01
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA



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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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