



# Technical Service Bulletin

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

90 18 07 2048926/6 November 2, 2018. Supersedes Technical Service Bulletin Group 90 number 18-04 dated October 18, 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  |
| 6                | -          | Revised <i>Warranty</i> (Updated Labor Operations)   |
| 5                | 10/18/2018 | Revised header data (Updated filter)<br>Revised <i>Service</i> (Updated SVM table)<br>Revised <i>Warranty</i> (Updated Labor Operations)   |
| 4                | 08/23/2018 | Revised header data (Added MY19 and revised for specific software versions)<br>Revised <i>Production Solution</i> (Added solution)<br>Revised <i>Service</i> (Added SVM update instructions) |

### 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).



# Technical Service Bulletin

---

## 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:

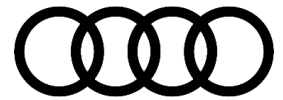


# Technical Service Bulletin

| Model | Old Software Part Number | Old Software Version | New Software Part Number | New Software Version (or higher) | SVM Code Input |
|-------|--------------------------|----------------------|--------------------------|----------------------------------|----------------|
| A4/A5 | 8W0907217A               | 0030                 | 8W0907217B               | 0044                             | A5A002         |
|       | 8W0907217B               | 0042                 |                          |                                  |                |
|       | 8W0907217C               | 0050                 | 8W0907217C               | 0052                             |                |
| Q7    | 4M0907217B               | *                    | 4M0907217D               | 0044                             |                |
|       | 4M0907217C               |                      |                          |                                  |                |
|       | 4M0907217D               |                      |                          |                                  |                |
|       | 4M0907217E               | 0050                 | 4M0907217E               | 0052                             |                |
| Q5    | 80A907217                | 0042                 | 80A907217                | 0044                             |                |
|       | 80A907217A               | 0050                 | 80A907217A               | 0052                             |                |

## Warranty

|                          |   |           |  |
|--------------------------|---|-----------|--|
| <b>Claim Type:</b>       | <ul style="list-style-type: none"> <li>• 110 up to 48 Months/50,000 Miles.</li> <li>• G10 for CPO Covered Vehicles – Verify Owner.</li> <li>• If vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li> </ul> |           |  |
| <b>Service Number:</b>   | 9638  |           |  |
| <b>Damage Code:</b>      | 0040  |           |  |
| <b>Labor Operations:</b> | Software Update   | 0151 0000 | Time stated on diagnostic protocol (Max 70 TU) |
|                          | Camera Driver Assist Sys Adjust   | 9638 1550 | See SRT  |
|                          | Preparation Driver Assist Calibration   | 9092 0050 | See SRT  |
|                          | Vehicle front + rear checked  | 4495 0100 | See SRT  |



# Technical Service Bulletin

|                         |   |  |   |
|-------------------------|---|--|---|
|                         | Camera Driver Assist Sys replaced                                       | 9638 5550 (A4, A5, Q5, and Q7)<br>9638 5500 (A5 Cabriolet)                       | See SRT   |
|                         | Inside mirror remove and reinstall                                      | 6827 1900 (A4, A5, A5 Cabriolet, Q5, and Q7)                                     | See SRT   |
|                         | 2 Headlight assembly adjust<br><b>Or</b><br>2 Headlight assembly adjust | 9415 1600 (Q5 and Q7 only)<br><b>Or</b><br>9415 1601 (LED Only) (Q5 and Q7 only) | See SRT   |
| <b>Diagnostic Time:</b> | 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   |
| <b>Claim Comment:</b>   | 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 |



# Technical Service Bulletin

---

## 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.

©2018 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.