



Technical Service Bulletin

91 Night vision system does not work, DTC B2000F2 is stored in the night vision control module

91 19 57 2051190/2 May 6, 2019. Supersedes Technical Service Bulletin Group 91 number 18-94 dated April 26, 2018 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, A7	2015 - 2018	All	With night vision system
A6, A7	2019	000001 - 003618	With night vision system
A8	2014 - 2018	All	With night vision system
A8	2019	000001 - 010143	With night vision system
Q7	2017	All	With night vision system
Q7	2018	000001 - 043592	With night vision system
Q8	2019	000001 - 000478	With night vision system

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised title Revised header (Added models and VIN breaks) Revised <i>Condition</i> (Added customer statement) Revised <i>Service</i> (Updated table) Revised <i>Warranty</i> (Added Claim Types) Revised <i>Required Parts and Tools</i> (Added table)
1	04/26/2018	Initial publication

Customer states:

- The night vision system is inoperative.
- In the instrument cluster "**Problem in night vision system!** Please go to workshop" is displayed.

Workshop findings:

The following DTC may be stored night vision control module, J853 (address word 0084):

- **DTC B2000F2** (control unit faulty) static.
- The DTC cannot be deleted.



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Technical Background

There is a software issue in the night vision control module.

Production Solution

New software in the night vision control module, J853 (address word 0084) addressed the condition.

Service

The following applies to A6 (C7), A7 (C7), and A8 (D4):

1. Check the software part number of the night vision control module, J853 (address word 0084) via vehicle self-diagnosis.

2. If the software part number of the installed night vision control module, J853 (address word 0084) (Figure 1) is listed below, replace the night vision control module with 4G0907547D.

- 4G0907547
- or
- 4G0907547A

Address: 0084 System name: 84 - Night Vision System Protocol versions: UDS/ISOTP

ASAM base version:	BV_NightVisioUDS
ASAM control module version:	EV_NightVisioGen3AE4AU64X_001
Hardware part number:	4M0907547
Software part number:	4G0907547B
Hardware version number:	H10
Software version number:	0117
Build group number:	
Code:	410100
Ability to flash:	Unknown
System name:	NV-ECU-Gen3
ASAM 2D/ODX data set:	EV_NightVisioGen3AE4AU64X
ASAM 2D/ODX data set version:	001001
ASAM/ODX control module version being used:	EV_NightVisioGen3AE4AU64X_001
Target data container:	-----
Version of the target data container:	----
Equipment code:	00 00 00 00 00 00 00 00 00 00 00
System abbreviation:	TR53

Figure 1. Software part number.

3. If replacing the control module via ODIS, no further action is required as the new module will have the latest software (version 0121 or higher). Replacement part must be suffix D or greater.

The following update applies to all vehicles:

SVM Update Instructions

1. Follow all instructions in TSB 2011732: 00 Software Version Management (SVM), operating instructions.



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2. Update the night vision control module, J853 (address word 0084) using the SVM action code as listed in the table below, if necessary:

Model	Hardware Part Number	Software Part Number	Old Software Version	New Software Version	SVM Code Input
A6, A7 (C8)	4K0907547	4M0907547	140	145	84A002
A8 (D5)			62	85	
Q8	80		85		
Q7	4N0907547A		25	29	
			27	29	
			28	29	
	4M0907547		24	29	
	4M0907547B		37	49	
			48	49	

A6, A7 (C7), and A8 (D4)	4G0907547B	4M0907547	117	121	84A002
	4G0907547	4G0907547	23		REPLACE
	4G0907547A	4G0907547	105		

Warranty

Claim Type:	<ul style="list-style-type: none"> • 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:	9081



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Damage Code:	0039		
Labor Operations:	A6 (C7), A7 (C7), and A8 (D4):		
	Check night vision control unit	9081 0199	10 TU
	Software Update	0151 0000	Time stated on diagnostic protocol (Max 100 TU)
	Replace night vision control unit (if necessary)	9081 5500	See SRT
	A6 (C8), A7 (C8), A8 (D5), Q7 (4MB), and Q8 (4MN):		
	Software Update	0151 0000	Time stated on diagnostic protocol (Max 100 TU)
Diagnostic Time:	GFF	No allowance	0 TU
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	No allowance	0 TU
Claim Comment:	As per TSB #2051190/2		

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	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
4G0907547D	Night Vision Control Module (A6 (C7), A7 (C7), and A8 (D4) only)	01

Additional Information



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

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

All part and service references provided in this TSB (2051190) are subject to change and/or removal.

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