



Technical Service Bulletin

91 SOS warning displayed in instrument cluster, DTCs B105313 and B153313 stored in the data bus diagnostic interface

91 20 60 2054812/3 April 22, 2020. Supersedes Technical Service Bulletin Group 91 number 19-58 dated May 13, 2019 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4, A5	2018 - 2019	All	With connected gateway and eCall

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised <i>Service</i> (Added bullet point to Step 2) Revised <i>Required Parts and Tools</i> (Updated quantity)
2	05/13/2019	Revised <i>Required Parts and Tools</i> (Updated quantity)
1	04/25/2019	Initial publication

Customer states:

- Yellow warning lamp for the SOS system (Figure 1) is shown in the instrument cluster with the message "Emergency call function: malfunction! Restricted functionality. Please contact Service".



Figure 1. Yellow warning lamp.

Workshop findings:

One of the following DTCs is stored in the data bus on board diagnostic interface, J533 (address word 0019):

- DTC B105313** (GSM antenna Open circuit).
- DTC B153313** (GSM antenna 2 Open circuit).

Technical Background

Poor contact at one of the coaxial wiring's FAKRA connections between data bus on board diagnostic interface, J533 (address word 0019) and one of the external antennas for emergency call services.



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Production Solution

Improved FAKRA connector.

Service

Overview	
	Tip: The location of the antenna, gateway, and connections vary by model. Be sure to consult the applicable wiring diagram and installation locations for the vehicle you are working on.
	Tip: Certain vehicles may have more than one external GSM antenna. Be sure to identify the antenna circuit which applies to the DTC found in the data bus on board diagnostic interface, J533 (address word 0019).
	Tip: When utilizing the VAS 6720 to perform a repair, ensure that the new connection is not under tension. The cable may need to be extended utilizing the VAS 6720 to avoid placing tension on the replaced FAKRA connector.
	Tip: The information in the manual for the VAS 6720 regarding the ban of repairs on the emergency call aerial wiring does not apply to repairs instructed by a TSB.

DTC Reference Table			
DTC	Measured Value Diagnostic Address 0019	Cable Position (Figure 2)	Vehicle PR-Codes
B105313 GSM antenna Open circuit	Antenna for telephone status 0x24E2	A	IW3 IW5 + 4GR IW5 + 4GY
B153313 GSM antenna 2 Open circuit	Status of antenna 2 for phone 0x1836	B	IW3 IW5



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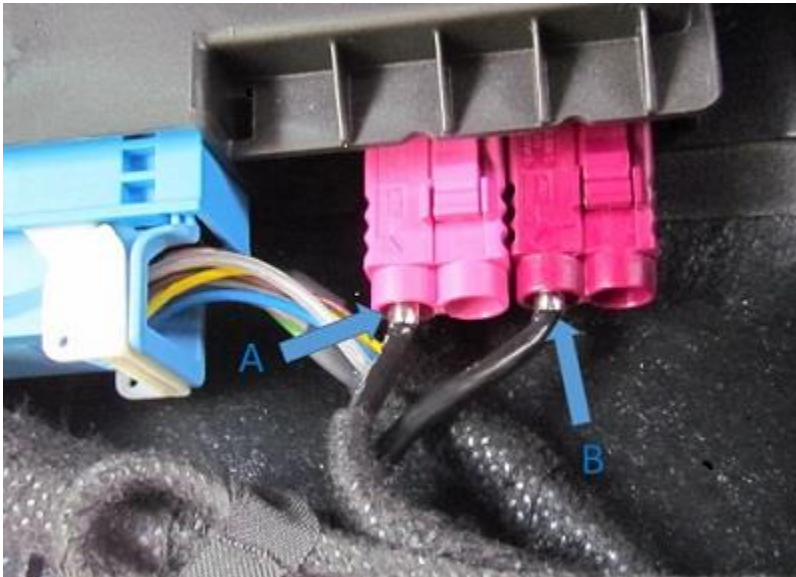


Figure 2. GSM antenna location reference at the data bus on board diagnostic interface, J533 (address word 0019).

Perform Coaxial Cable Overlay



Tip: The vehicle dashboard must be removed to complete repair.

Consult the applicable repair manual for the vehicle you are working on.

1. If DTC B105313 or B153313 are found in the data bus on board diagnostic interface, J533 (address word 0019), then replace the coaxial wire from the applicable emergency call module antenna to the data bus on board diagnostic interface, J533 (address word 0019).
2. Utilize the VAS 6720 to build a single coaxial wire from the emergency call module to the data bus on board diagnostic interface, J533 (address word 0019).
 - **Do not** split the new wire at the TIM connection between T2dkx and T2dk.
 - Route the new wire along with the existing harness.
 - Ensure that there are no sharp bends.
 - Ensure there is no tension on the new contacts.
 - The cable should be 8.7ft (2.65m) in length.
 - Transfer the plastic connectors onto new cable.



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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:	9128		
Damage Code:	0015		
Labor Operations:	Remove and install rear seat bench	7249 1999	10 TU
	Check cables on data bus diagnostic interface	9035 0199	10 TU
	Build Aerial Cable	9128 3999	40 TU
	Install Aerial Cable	9128 2399	50 TU
	Remove and install dash panel	7018 1900	See SRT
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 #2054812/3		

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
000979910	Female connector for aerial line	02 (Max as needed)
000979900	Aerial line	03



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See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
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Tool Number	Tool Description
VAS 6720	Antenna (Aerial) Cable Repair Set

Additional Information

All parts and service references provided in this TSB (2054812) are subject to change and/or removal.

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