



Technical Service Bulletin

91 SOS warning displayed in instrument cluster, DTC B105313 stored in the data bus on board diagnostic interface

91 19 75 2048360/5 August 7, 2019. Supersedes Technical Service Bulletin Group 91 number 18-93 dated April 26, 2018 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q7	2017	037860 - 999999	With connected gateway
Q7	2018	All	With connected gateway

Condition

REVISION HISTORY		
Revision	Date	Purpose
5	-	Revised title Revised <i>Warranty</i> (Updated Labor Operations)
4	04/26/2018	Revised header (Updated VIN break)
3	01/11/2018	Revised <i>Service</i> (Updated part number, Step 3 and 4 instructions, and added a photo)

Customer states:

- A yellow SOS warning lamp is displayed in the instrument cluster (Figure 1).



Figure 1. SOS warning lamp.

Workshop findings:

The following DTC is found in the data bus on board diagnostic interface, J533 (address word 0019) and can be static or sporadic:

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

Technical Background

The contact on the wiring of the emergency call aerial may have been damaged in production.



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Production Solution

Not applicable.

Service

1. If **DTC B105313** (GSM antenna Open circuit) is **NOT** found in the data bus on board diagnostic interface, J533 (address word 0019), then this TSB does not apply.
2. Inspect the coaxial wiring at the SOS Antenna (R263):
 - Remove the left luggage compartment side trim panel. Refer to the repair manual.
 - Perform a visual inspection of coaxial wiring, if wiring is under tension or kinked (Figure 2), continue with TSB.



Figure 2. Coaxial wire kinked at R263 SOS Antenna.

3. Repair existing coaxial harness:
 - Unplug the FAKRA connector from the R263 SOS Antenna.
 - Remove 250mm (9 3/4 inches) of coax wire from the existing harness. Measure from the front of the FAKRA connector (Figure 3).



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- Using the VAS 6720, install a new female FAKRA Terminal (Figure 4B) onto the vehicle's coaxial harness. Install a new Fakra Housing (Figure 4A) onto the newly installed terminal.

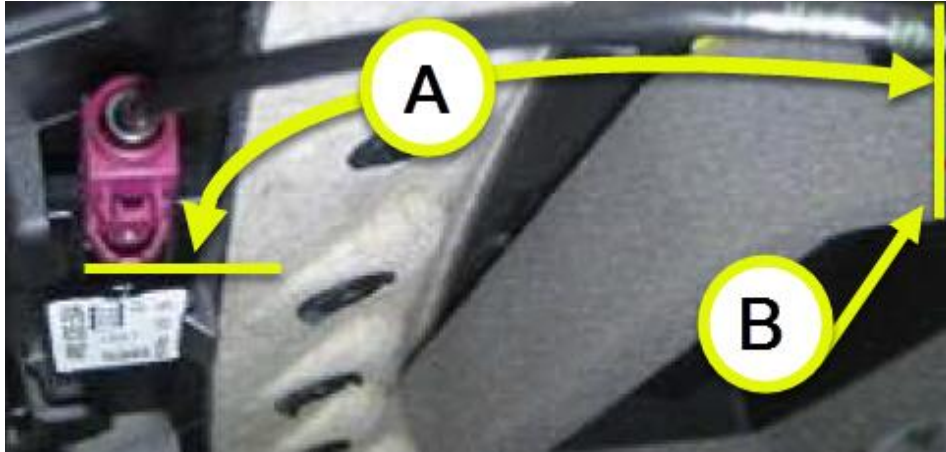


Figure 3. Cut the coaxial harness (B) 250mm (9 3/4 inches) (A) from the start of the Fakra connector.

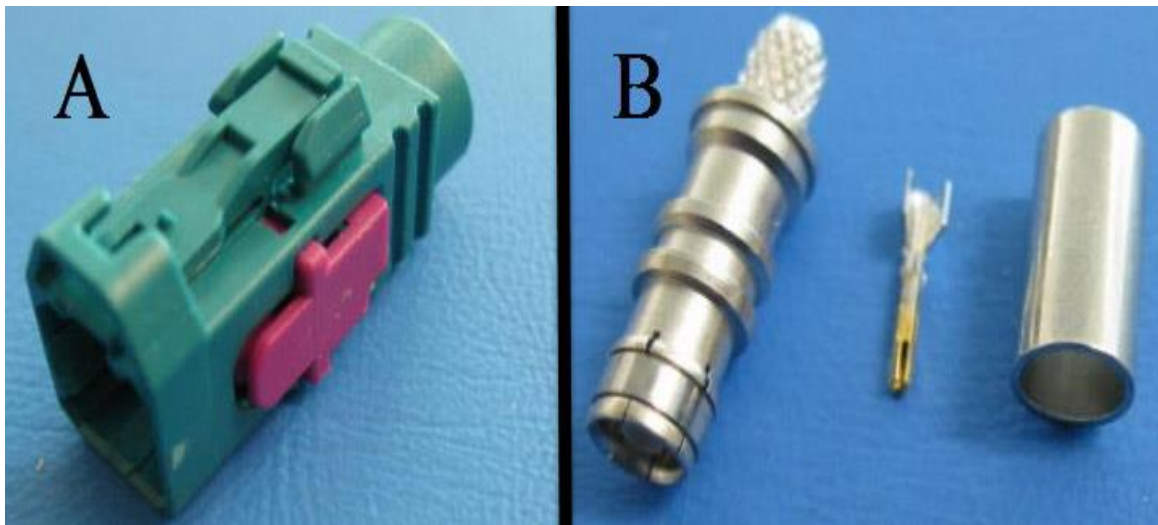


Figure 4. A: Fakra Housing 6Q0035576K, B: Fakra Terminal: 000979910.

4. Complete the repair:

- Install the right angle adapter antenna cable (Figure 5) between the newly installed Fakra connector from step 3 and the SOS antenna. Re-install all components.
- See Figure 6 for optimal wire routing path.



Tip: The cable must be free of tension around the area of the connector.



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Figure 5. Right Angle Adapter Antenna Cable 000098710A.



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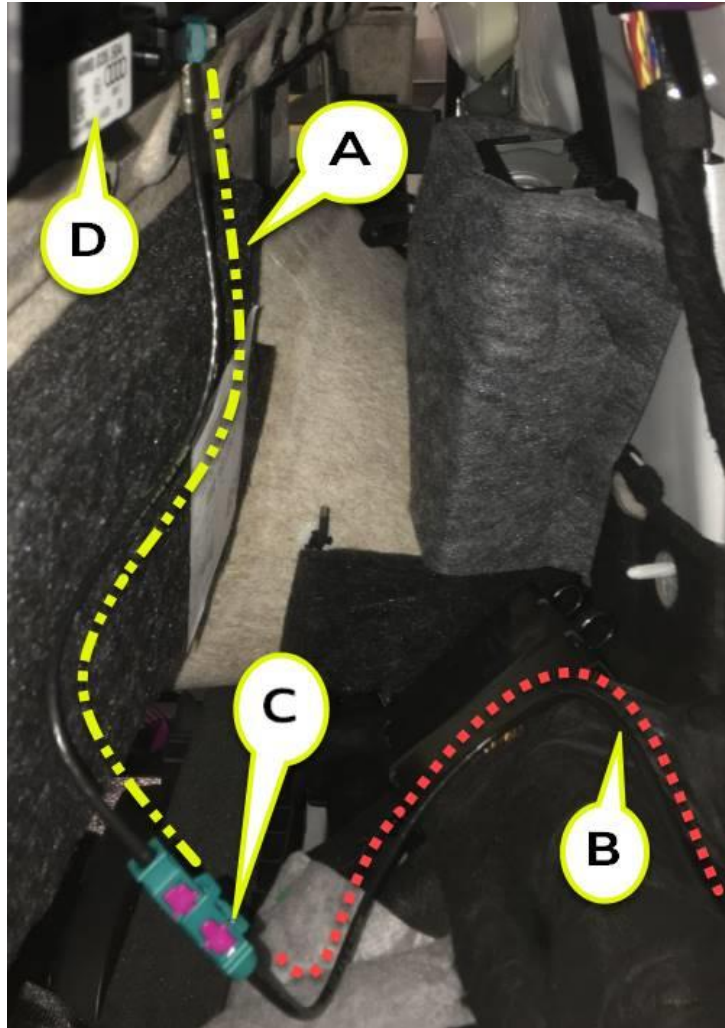


Figure 6. Modified R263 antenna wiring. A: Right Angle Adapter Antenna Cable 000098710A. B: Vehicle Coax Harness. C: New FAKRA connector. D: R263 SOS Antenna.

5.
 - Clear DTC memory from the data bus on board diagnostic interface, J533 (address word 0019).
 - Perform the ignition cycle.
 - Recheck DTC memory of the data bus on board diagnostic interface, J533 (address word 0019).



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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:	9725		
Damage Code:	0023		
Labor Operations:	Side trim, luggage comp. (rear) remove + reinstall	7003 1900	See SRT
	Repair aerial cable	9725 4199	40 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	No allowance	0 TU
Claim Comment:	As per TSB #2048360/5		

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
000098710A	Adapter antenna cable	01
6Q0035576K	Connector housing for antenna-bush-plug	01
000979910	1 set of aerial female connectors	01
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA



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Additional Information

All parts and service references provided in this TSB (2048360) are subject to change and/or removal.

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