Technical Service Bulletin

91 SOS warning displayed in instrument cluster (DTC B105313)

91 17 58 2048360/2 November 6, 2017. Supersedes Technical Service Bulletin Group 97 number 17-57 dated July 13, 2017 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**
2	-	Revised *Service* (Updated part number and photo) Revised *Required Parts and Tools* (Updated part number)
1	07/13/2017	Initial publication

Customer may report a yellow SOS warning lamp is displayed on the instrument cluster (Figure 1).



Figure 1. *SOS warning lamp.*

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.

Production Solution

Not applicable.

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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 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 200mm (7 ¾ inches) of coax wire from the existing harness. Measure from the front of the FAKRA connector (Figure 3).
   - 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.

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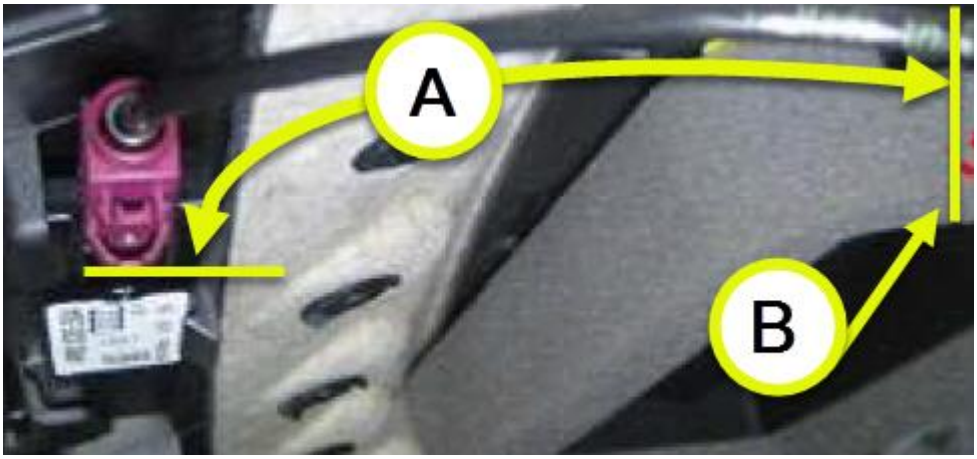


Figure 3. *Cut the coaxial harness (B) 200mm (7 ¾ inches) (A) from the start of the Fakra connector.*

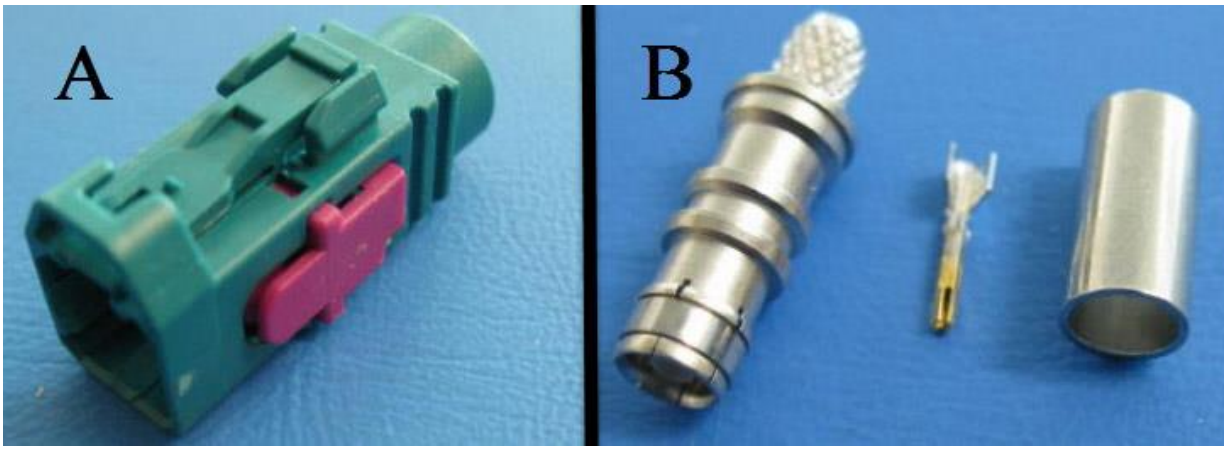


Figure 4. *A: Fakra Housing 6Q0035576K, B: Fakra Terminal: 000979910.*

4. Complete the repair:
   - Install a 90 degree right angle adapter antenna cable (Figure 5) between the newly installed Fakra connector from step 3 and the SOS antenna. To complete the 90 degree right angle adapter cable assembly, you will need to install the connector housing for angled-antenna-bush-plug (5B) onto the adapter antenna cable (5A).
   - Re-install all components.

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

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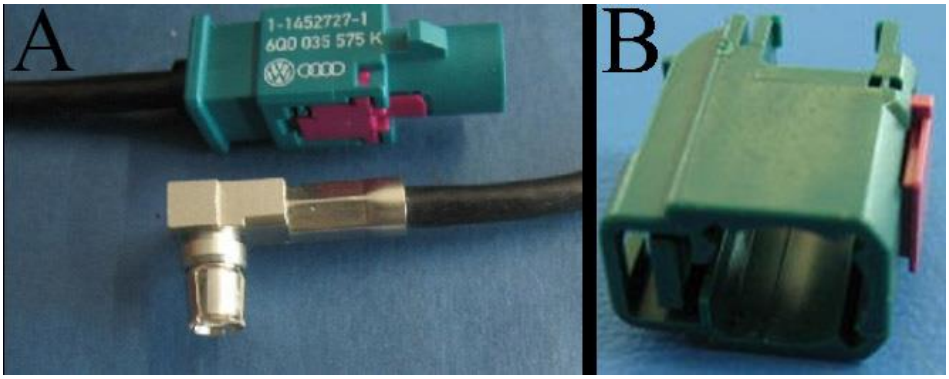


Figure 5. *A: Adapter antenna cable 000098691. B: 4E0035675K Connector housing for angled-antenna-bush-plug.*

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

Warranty

Claim Type:	• 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If 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	50 TU
	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

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	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)
Claim Comment:	As per TSB #2048360/2

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

Part Number	Part Description	Quantity
000 098 691	Adapter antenna cable	01
6Q0 035 576 K	Connector housing for antenna-bush-plug	01
4E0 035 675 K	Connector housing for angled-antenna-bush-plug	01
000 979 910	1 set of aerial female connectors	01

Additional Information

All parts and service references provided in this TSB (2048360) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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