



SUBJECT

SOS Malfunction Is Displayed In Kombi Sporadically

MODEL

F06 (6 Series Gran Coupe)

F12 (6 Series Coupe)

F13 (6 Series Convertible)

Produced from January 1, 2011 to March 1, 2016

SITUATION

After engine start-up, a CCM (Check Control Message) for SOS malfunction is displayed in the Kombi and in the CID (Central Information Display).

One or more of the fault codes below may be stored in the TCB or Combox control unit:

- 0xB7F32B – GSM Antenna: Open Circuit
- 0xB7F31F – GSM Antenna: Short to ground
- 0xB7F31E – GSM Antenna: Open Circuit

CAUSE

A signal error is identified during the aerial self-test performed by the TCB (Telematic Control Box or the Combox).

CORRECTION

Replace the following parts:

- TCB control unit (Telematic Control Box or the Combox)
- Coax cable from the TCB to the antenna
- Antenna (GSM antenna or the Emergency Back-up)

PROCEDURE

1. Perform a vehicle test using the latest version of ISTA diagnostics.

Always connect a BMW approved battery charger/power supply (SI B04 23 10).

2. Replace the following components:

- The TCB
 - Coax cable between the TCB and the Antenna
 - The Antenna - based on the fault which is stored. Example:
 - If the fault states “GSM antenna,” replace the GSM antenna
 - If the fault states “Emergency Back-up antenna,; replace the Emergency Back-up antenna
3. Delete the faults
 4. Program the vehicle using ISTA/P

Important: The vehicle must be allowed to sleep for at least 5 minutes before retesting.

5. Take the vehicle for a test drive and verify the issue is resolved.

Note that ISTA/P will automatically reprogram and code all programmable control modules that do not have the latest software.

For information on programming and coding with ISTA/P, refer to CenterNet / Aftersales Portal / Service / Workshop Technology / Vehicle Programming.

PARTS INFORMATION

Coax cable part numbers listed below. These are pre-assembled cables.

Part Number	Description	Quantity
61 11 9 319 246	(F06) Rep. module Teleservices (coax cable)	1
61 11 9 342 615	(F12) Rep. module Teleservices (coax cable)	1
61 11 9 310 142	(F13) Rep. module Teleservices (coax cable)	1

Note: If the pre-assembled cables are not available, the coax cable can be assembled. Refer to TIS video “03 10 15 Coaxial Cable Repair Tool” for an overview “how to” repair / assemble the coaxial cable.

Refer to the list below for the required parts to make/assemble the cable.

Part Number	Description	Quantity
61 13 6 918 332	HF socket terminal	As needed
61 13 6 918 294	HF socket contact, angular	As needed
61 12 9 233 701	Coaxial cable (12500mm)	Length as needed

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

Defect Code:	65 20 07 12 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
And		
61 21 528	Refer to KSD2	Connect and approved battery charger/power supply (indicated in KSD2 as “Charging battery”)

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

And as equipped, either:

Labor Operation:	Labor Allowance:	Description:
84 10 801	Refer to KSD2	Replacing Combox (after vehicle diagnosis)
Or:		
84 10 811	Refer to KSD2	Replacing telematics communication box (after vehicle diagnosis)

And, if the fault states “GSM antenna,” then perform/use:

Labor Operation:	Labor Allowance:	Description:
65 20 820	Refer to KSD2	Removing and installing or replacing the multi-band aerial (GSM), one (1)

Or, if the fault states “Emergency Back-up antenna,” then perform/use:

Labor Operation:	Labor Allowance:	Description:
65 20 650	Refer to KSD2	Removing and installing or replacing the back-up aerial

And:

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Labor Operation:	Labor Allowance:	Description:
65 99 000	Work time (WT)	Work time to either “replace” (part number listed above) or “assemble and replace” the Coax cable from the TCB to the antenna
And:		
61 00 730	Refer to KSD2	Programming / encoding control unit(s)

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

Work time labor operation code 65 99 000 is not considered a Main labor operation; however, it does require an individual punch time and an explanation in the repair order and in the claim comments.

And, if applicable

Sublet – Bulk Roll Coaxial Cable

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for the used length of coaxial cable (PN 61 12 9 233 701). Please do not use this part numbers for claim submission
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Sublet reimbursement calculation for claiming the “used length” of Coaxial Cable (PN 61 12 9 233 701) is at dealer net plus your center’s handling.

Enter this material cost in sublet and itemize the amount on the repair order and in the claim comment section.

Overlapping Labor – Other Repairs

When other repair work is being performed with this repair work and if claiming the corresponding labor operations results in overlapping labor, invoice and claim work time labor operation 00 50 000 for the “additional time (FRU)” to perform the other repair instead (minus the overlap).

On the repair order and in the claim comment section, please identify the labor operations that labor operation code 00 50 000 replaces and itemize the claimed FRU amount.

Work time labor operation code 00 50 000 is not considered a Main labor operation.

When work time labor operation 00 50 000 is used for work that will be claimed under a different defect code, separate punch time(s) are required.

Vehicle Programming and Coding

If a control module was working properly and it fails to program correctly or requires initialization, please claim this additional work with the applicable KSD2 labor operations under the defect code listed above.

The diagnosis and repair of vehicles “arriving” with failed control modules or stored faults which will cause them to fail during programming cannot be claimed under the defect code listed in this bulletin.

Other Repairs

If other eligible and covered work is performed “prior” to programming and coding the vehicle or as a result of performing the ISTA diagnostics and related test plans results, claim this work with the applicable defect code and labor operations listed in KSD2.

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