

**MODEL**

G29 (Z4 Roadster)

SITUATION

The air bag warning light (red) illuminates for 6 seconds. Additionally, the message “Front passenger restraint system” (ID 109) appears in the Check Control Module (CCM).

The front passenger seat is not occupied when this warning appears.

The Active Crash Safety Module 5 (ACSM5) control unit has logged the:

- Fault 930A1B – “seat occupancy mat for front passenger, fault sensor interruption”.

CAUSE

Software error in the ACSM5.

CORRECTION

Program/encode the vehicle to Integration level (I-level) S18A-18-11-565 or higher.

- I-level S18A-18-11-565 will be supported by ISTA 4.15.3x; available in early February, 2019.

PROCEDURE

1. Program/encode the vehicle to I-level S18A-18-11-565 or higher.

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

For information on programming and coding with ISTA, refer to CenterNet / TIS / Technical Documentation / Programming and Diagnostics / Programming Documentation

2. Confirm that the original fault no longer occurs.

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: | 6577081400 | Seat occupancy detection mat, front occasional malfunction |
| Labor Operation: | Labor Allowance: | Description: |
| 00 00 006 | Refer to AIR/KSD2 | Performing “vehicle test” (with vehicle diagnosis system – checking faults) (Main work) |
| Or: | | |
| 00 00 556 | Refer to AIR/KSD2 | Performing “vehicle test” (with vehicle diagnosis system – checking faults) (Plus work) |
| And: | | |
| 61 21 528: | Refer to AIR/KSD2 | Connect an approved battery charger/power supply (indicated in KSD2 as “Charging battery”) |
| And: | | |
| 61 00 730 | Refer to AIR/KSD2 | Programming/encoding control unit(s) |

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006

Refer to AIR/KSD2 for the corresponding flat rate unit (FRU) allowance.

During the same workshop visit, if a vehicle also requires another Technical Campaign or repair that also includes programming and encoding the control units, the programming procedure may only be invoiced one time.

Programming and Encoding - Vehicle Control Units

The programming procedure automatically reprograms and encodes all vehicle control modules which do not have the latest software i-level. If one or more control module failures occur “during” this programming procedure:

- Claim this “consequential” control module-related repair work under the defect code listed in this bulletin with the applicable AIR/KSD2 labor operations

Please explain this additional work (The why and what) on the repair order and in the claim comments section

For control module failures that occurred “prior” to performing this programming procedure:

- When “covered” under an applicable limited warranty, claim this control module-related repair work using the applicable defect code and labor operations (including diagnosis) in AIR/KSD2