

**SUBJECT****Airbag Warning Light: ACSM FC 930A60 Seat Occupancy Detection****MODEL**

F01, F02 (7 Series Sedan)

F06 (6 Series Gran Coupe)

F07 (Gran Turismo)

F10 (5 Series Sedan)

F12 (6 Series Convertible)

F13 (6 Series Coupe)

F25 (X3)

F30 (3 Series Sedan)

SITUATION

According to the customer, the airbag warning light was on, but it may not be on when the vehicle arrives in the workshop.

ACSM fault code “930A60 – Seat occupancy detection, front passenger; malfunction” is stored. The fault may or may not currently be present.

CAUSE

The front passenger seat occupancy mat consists of a seat occupancy mat with a capacitive sensor system. This means a front passenger is detected by measuring the resistance of the human body. The fault is set when moisture is detected on the mat itself.

PROCEDURE

Prior to diagnosing this fault (930A60) with ISTA, diagnose any other airbag-related faults including power management faults first, because these can have an influence on this fault.

The fault is currently not present and the airbag warning light is not currently illuminated:

1. Complete the test plan “Seat occupancy detection, front passenger” linked to the fault code.
2. The test plan states the following:

“There was a temporary malfunction in the front passenger's seat occupancy detection system. This is probably attributed to high moisture levels. This fault is currently not active and can be deleted. Do not replace the seat occupancy detection.” Continue to the next step.

3. Select “Check seat occupancy detection system” to ensure the system is working properly. A person must sit in the passenger’s seat while the technician is viewing ISTA to see if the status changes from “Person not detected” to “Person detected.” Try this several times.
4. If the status changes, the system is functioning properly. **Do not replace any parts** and clear the faults. If

the status does not change, follow the test plan recommendations.

5. Check for any external signs of moisture or spilled liquid (coffee, soda or water on the seat leather).
6. Check that there are no complaints of water leaks in the vehicles from windows or the sunroof. Address these complaints as needed.

The fault is currently present and the airbag warning light is currently illuminated:

1. Complete the test plan “Seat occupancy detection, front passenger” that is linked to the fault code.
2. The test plan states: “The front passenger seat occupancy detector shows a malfunction because of excess moisture. Dry the front passenger seat. For this purpose, switch on the seat heating. Note: Drying the seat can take up to 2 days.”
3. If the seat does not have seat heating, the leather on top of the seat must be partially removed and the CIS mat ventilated with a heating fan. Also check the position and mounting of the seat for any folds or moisture stains. Once the seat mat is sufficiently dried, proceed to the next step.
4. Select “Check seat occupancy detection system” to ensure the system is working properly. A person must sit in the passenger’s seat while the technician is viewing ISTA to see if the status changes from “Person not detected” to “Person detected.” Try this several times.
5. If the status changes, the system is functioning properly. **Do not replace any parts** and clear the faults. If the status does not change, follow the test plan recommendations.
6. The seat mat should only be replaced when recommended by the test plan.
7. **Seat mats that have moisture damage caused by outside influences (coffee, soda or water spillage) are not considered warranty.**

WARRANTY INFORMATION

As noted above, a failure resulting from damage that is caused by outside influences is not a warranty matter.

However, if the ISTA diagnostics and the related test plans or performing other troubleshooting procedures results in eligible and covered work, claim this work with the applicable defect code and/or labor operations listed in KSD2.

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