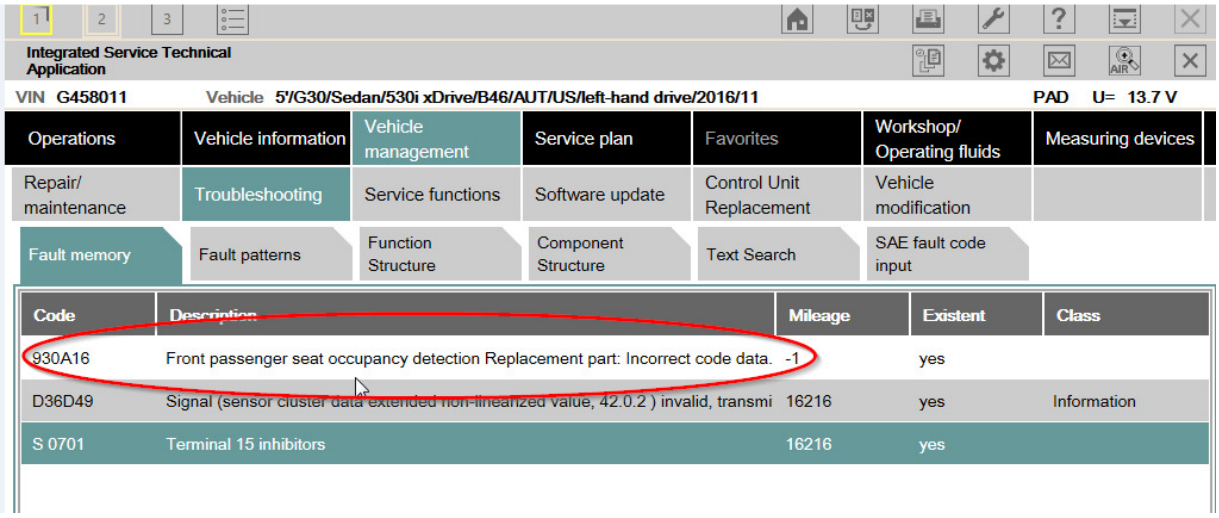
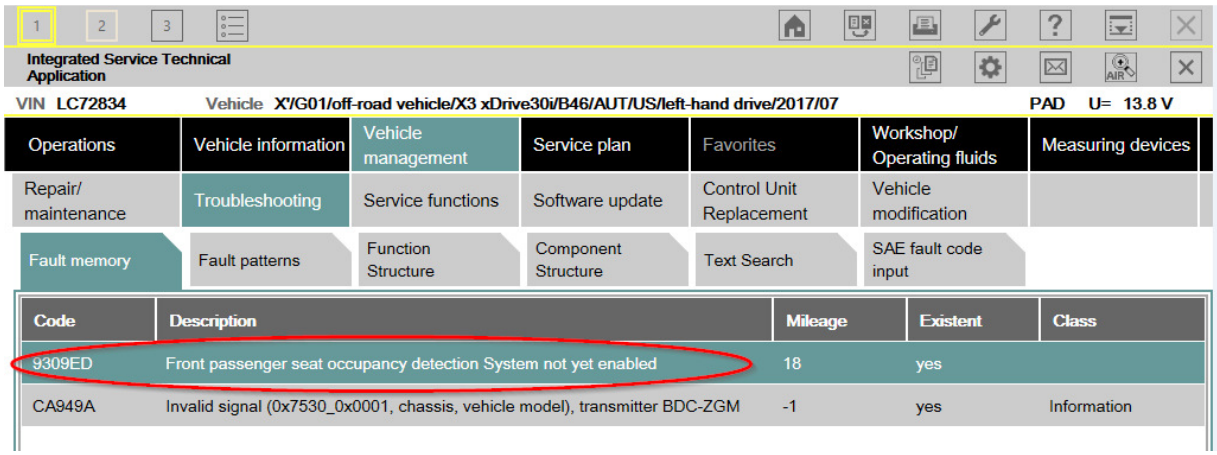
How to Handle the front passenger seat occupancy DTC`s 0x930A16 and 0x9309ED

This small guide should show you how you can fix the passenger seat occupancy detection for Gx vehicles. Please note this guide is an example the screenshots you see can differ from yours.

After programming G12, G30, G32 or G01 it could happen that after the programming was successfully the fault memory can have several DTCs including the ones for the front seat passenger seat occupancy:



Or

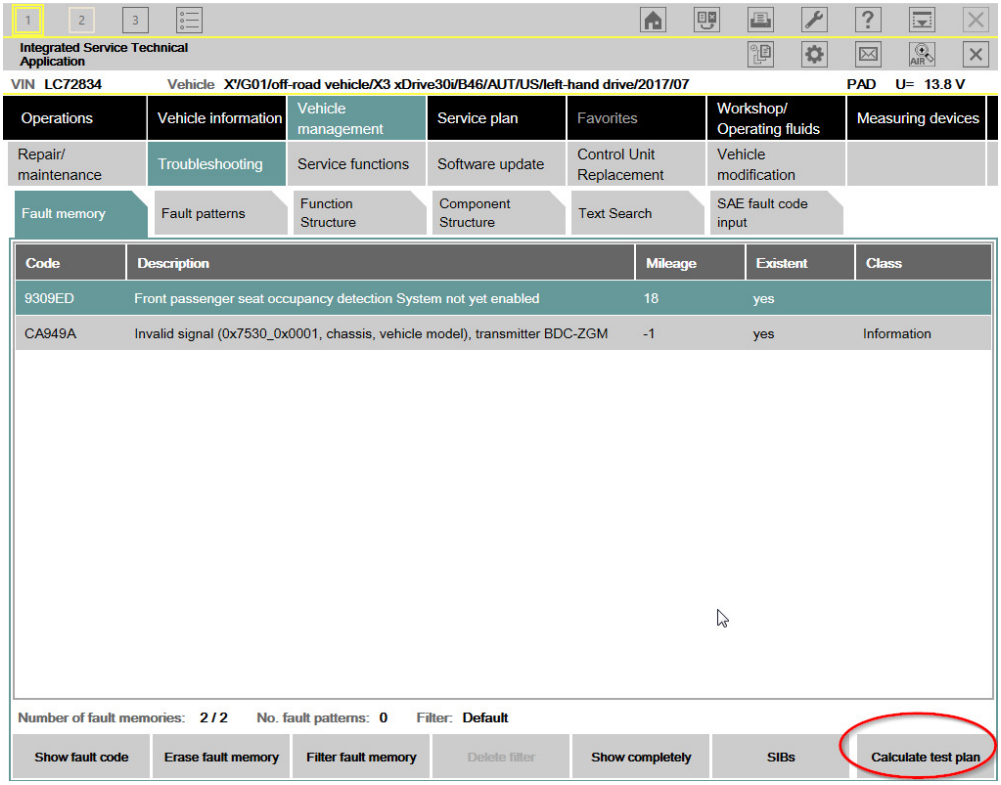


In case of the DTC 0x9309ED please read **Section A**:

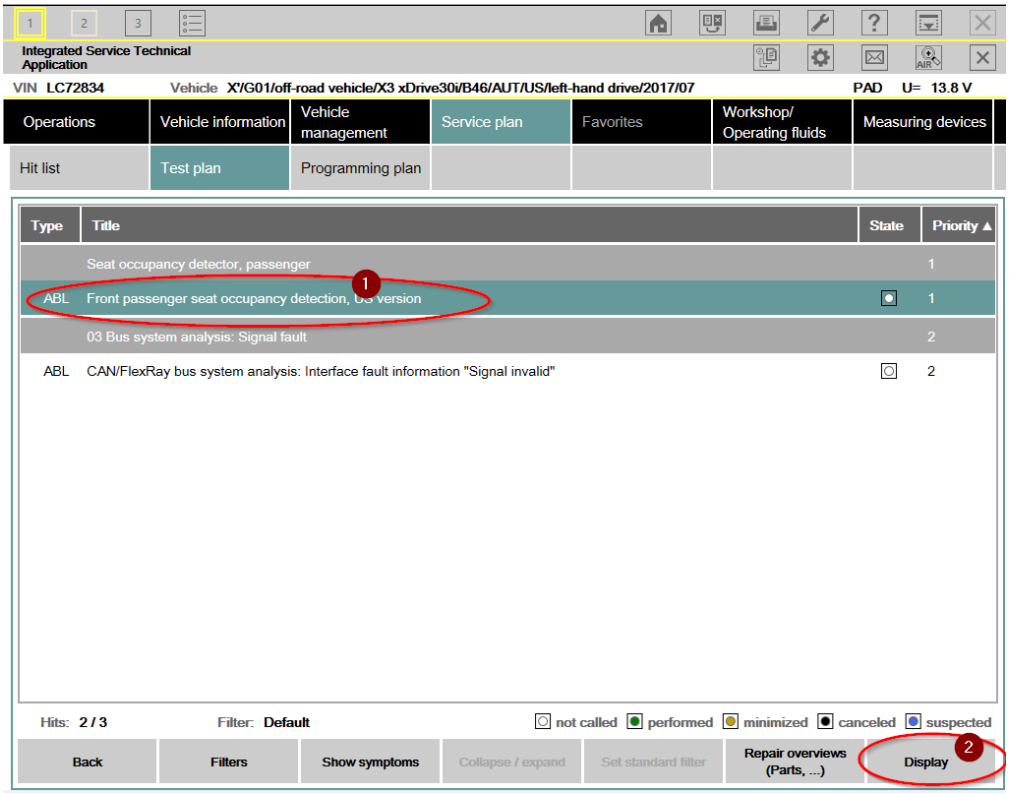
In case of DTC 0x930A16 read **Section B:**

SECTION A (0x9309ED)

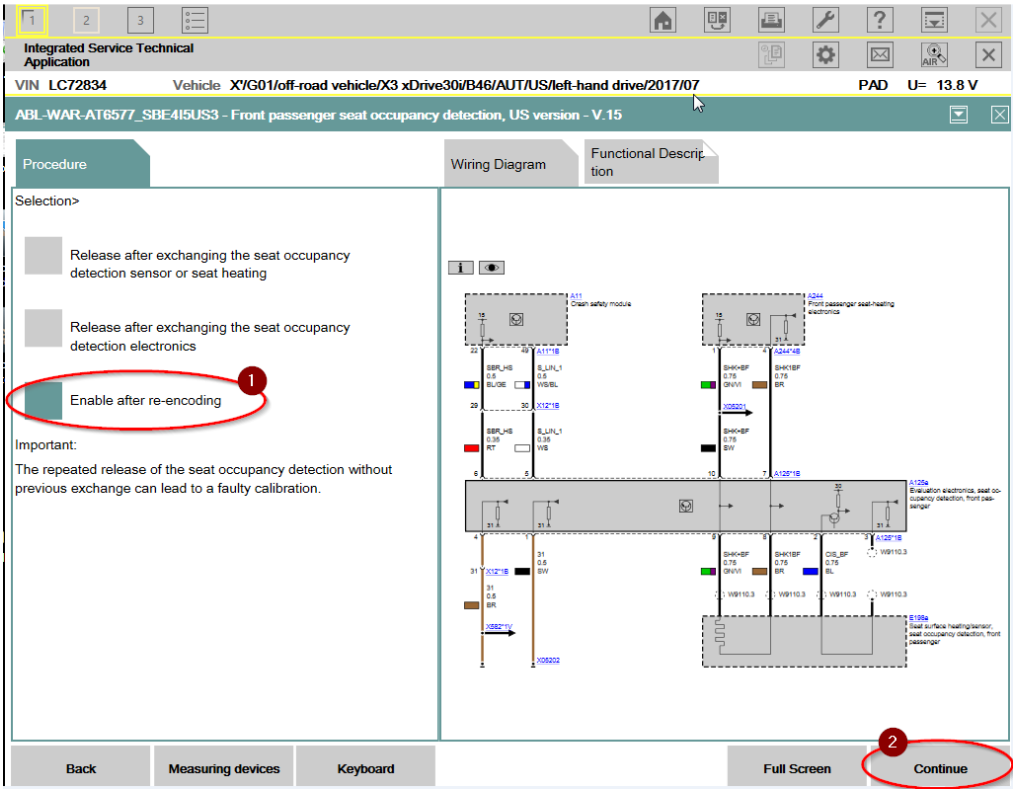
- Let ISTA4 calculate a Test plan:



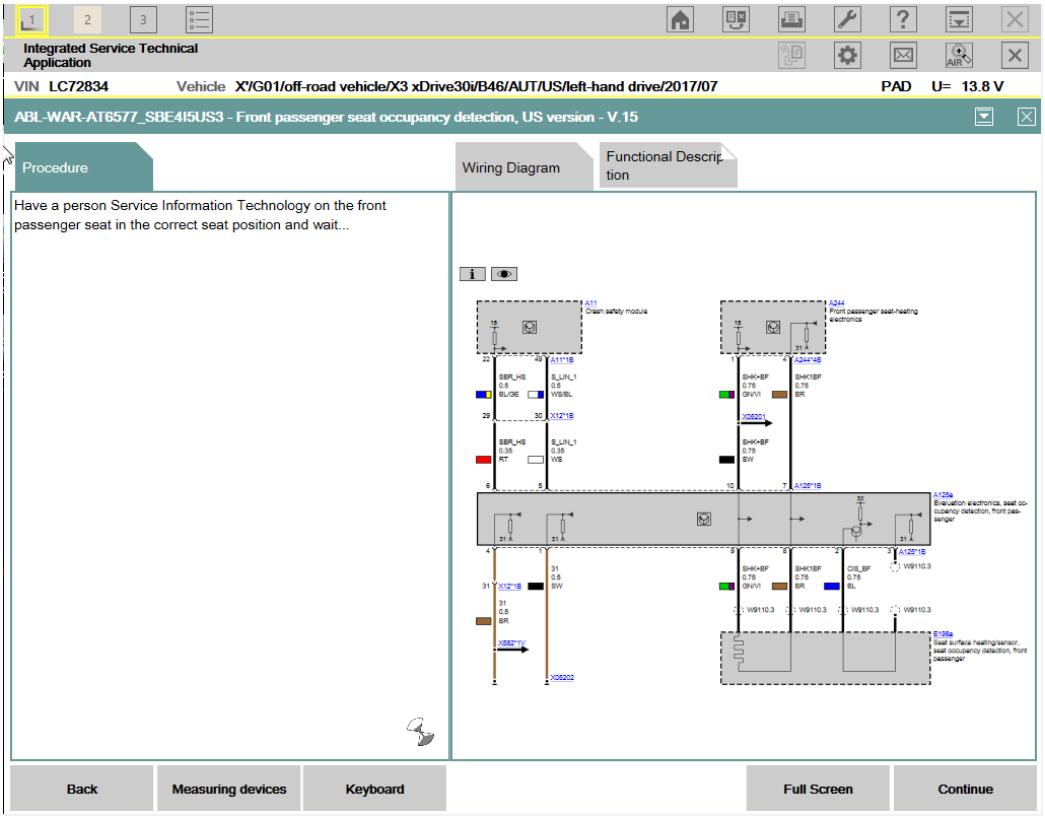
- Select the Front passenger seat occupancy detection testplan and click on display



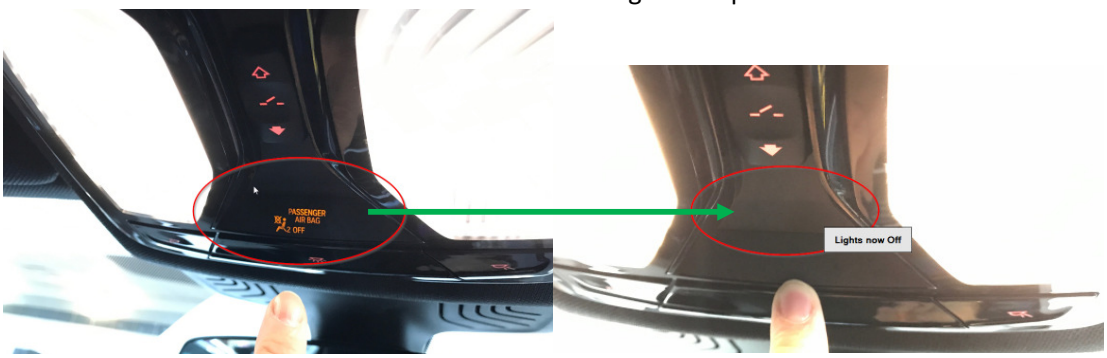
- Select “enable after re-encoding” and click continue



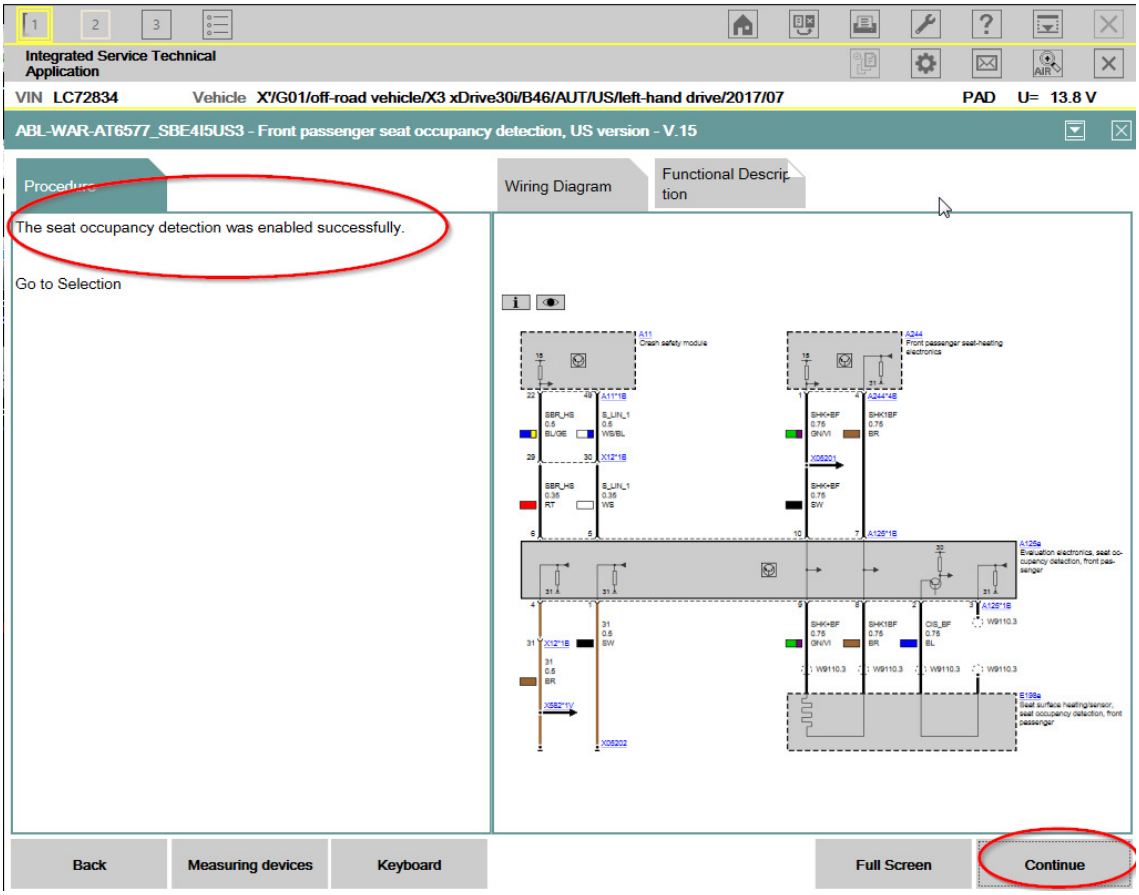
- Click through the test plan until you came to this point where you need to have a person sit on the passenger seat.



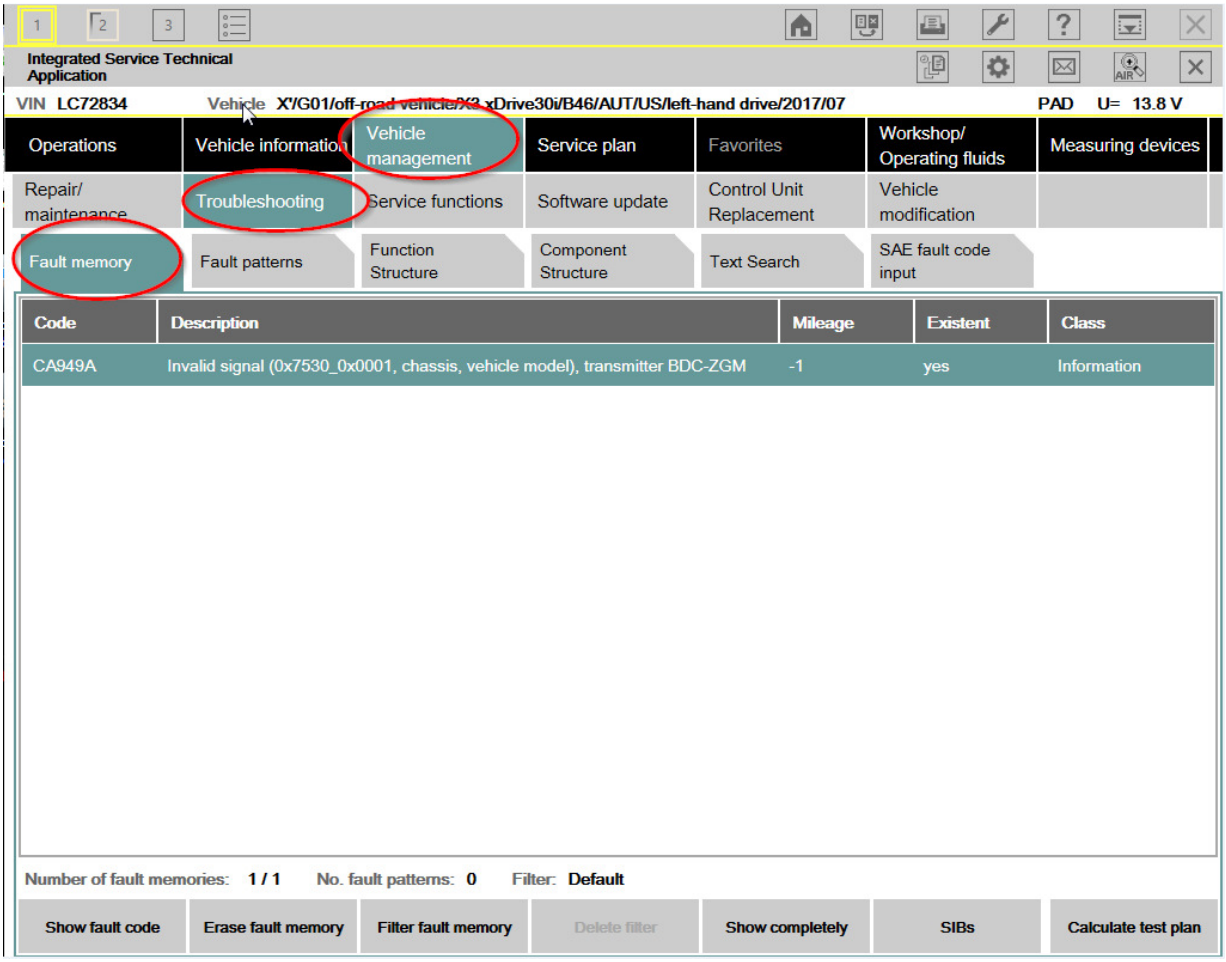
- Have a person sit for round about 20sec seat on the passenger seat until the lights for the Airbag at the FZD turns off. Off means the seat matt has recognized a person.



- After it was successful ISTA4 should show you the following screen, where you can click continue.

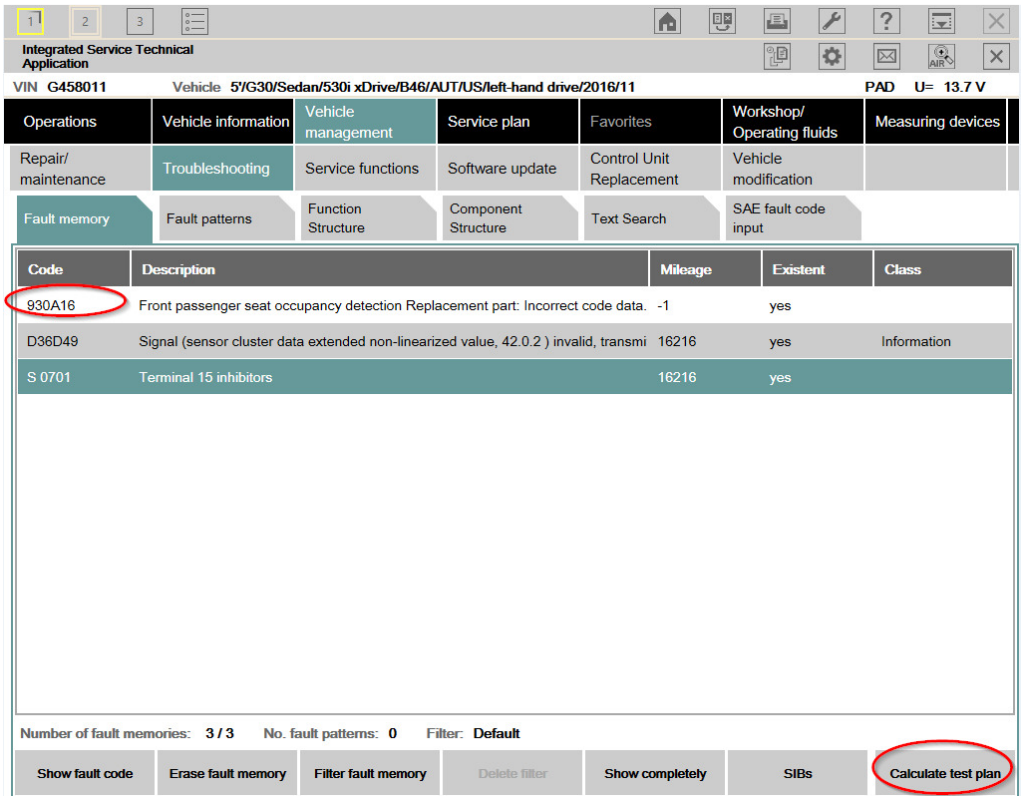


- Finish the test module go the Vehicle management Tab and select the Fault Memory Tab the error should be gone. Sometimes a sleep cycle is necessary and after that the fault memory can be cleared again.

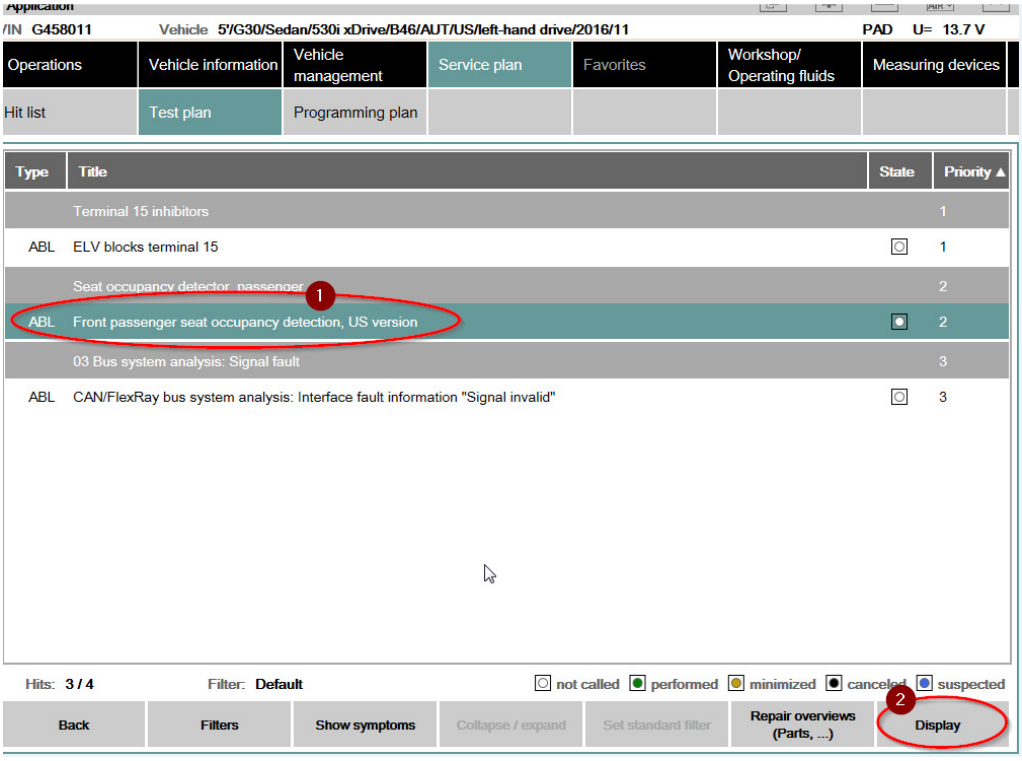


Section B (0x930A16)

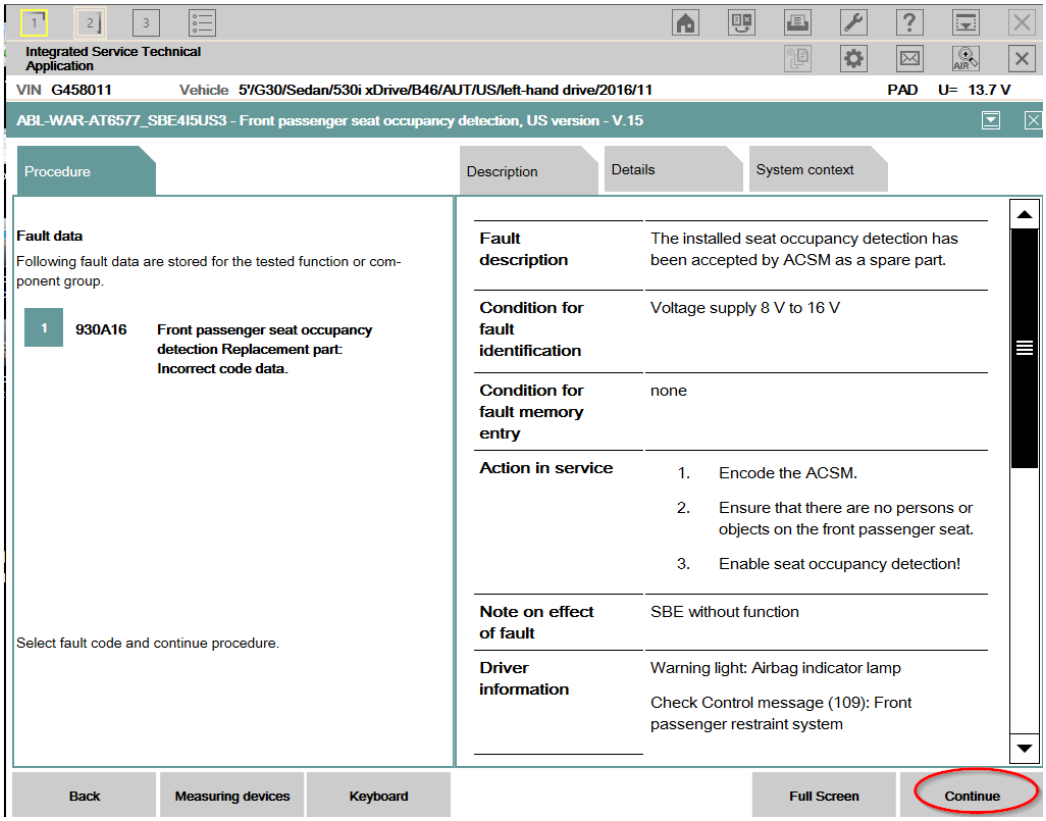
- In some cases this DTC is stored, it states that the ACSM has incorrect code data, although it was successfully coded before. Let ISTA 4 calculate the testplan



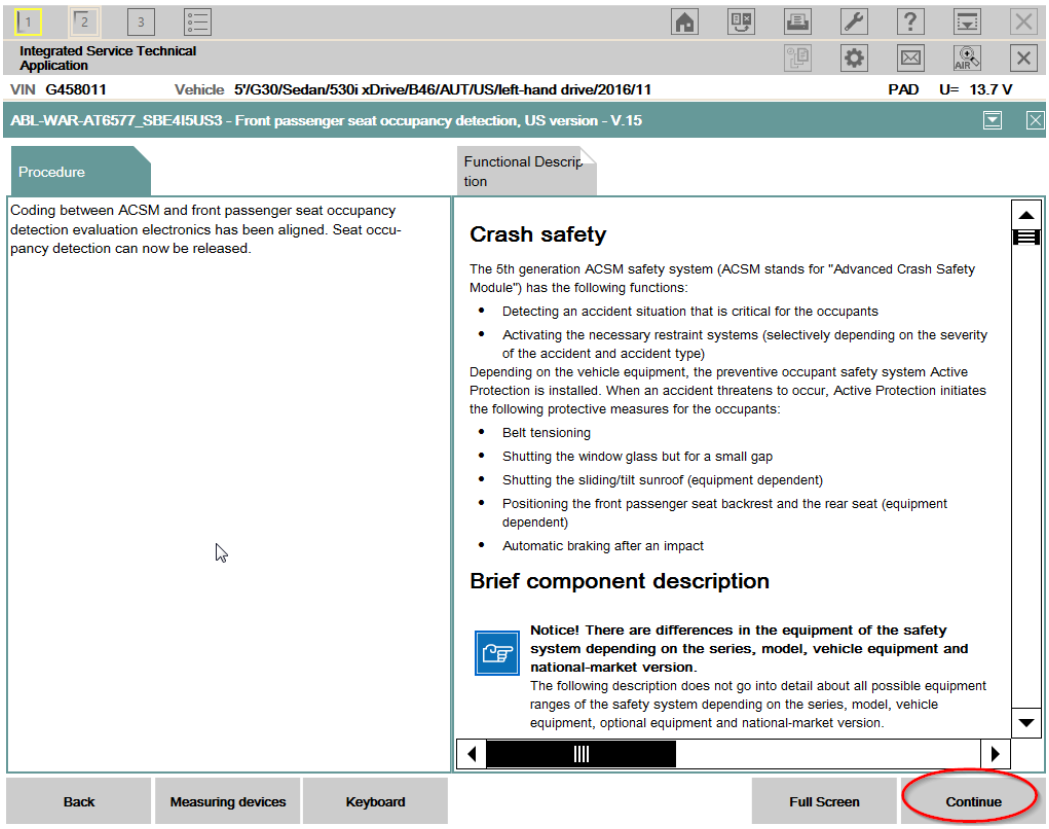
- Select the Front passenger seat occupancy detection test module and click display



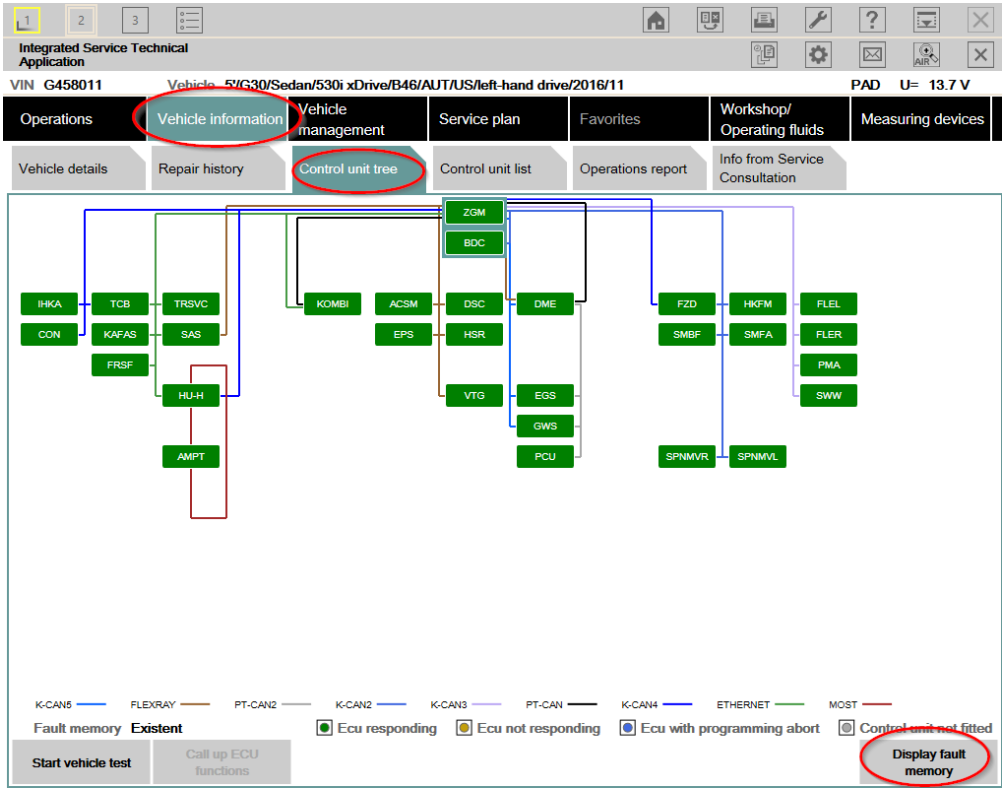
- Click continue…



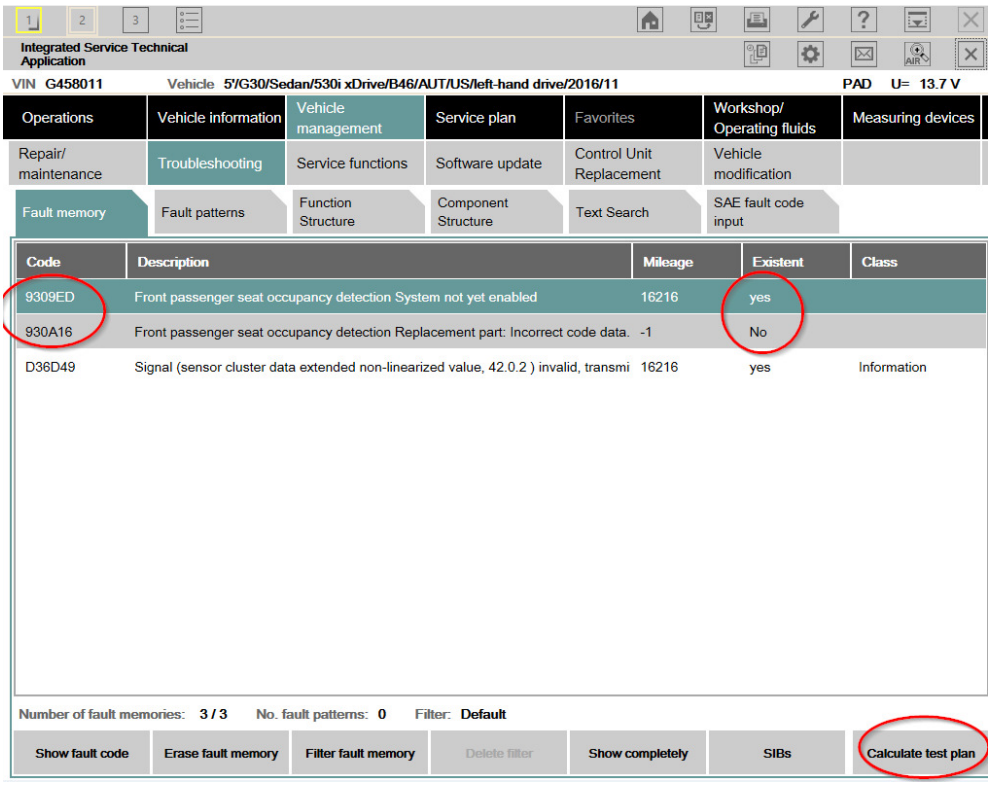
- On the next page the test plan click continue again



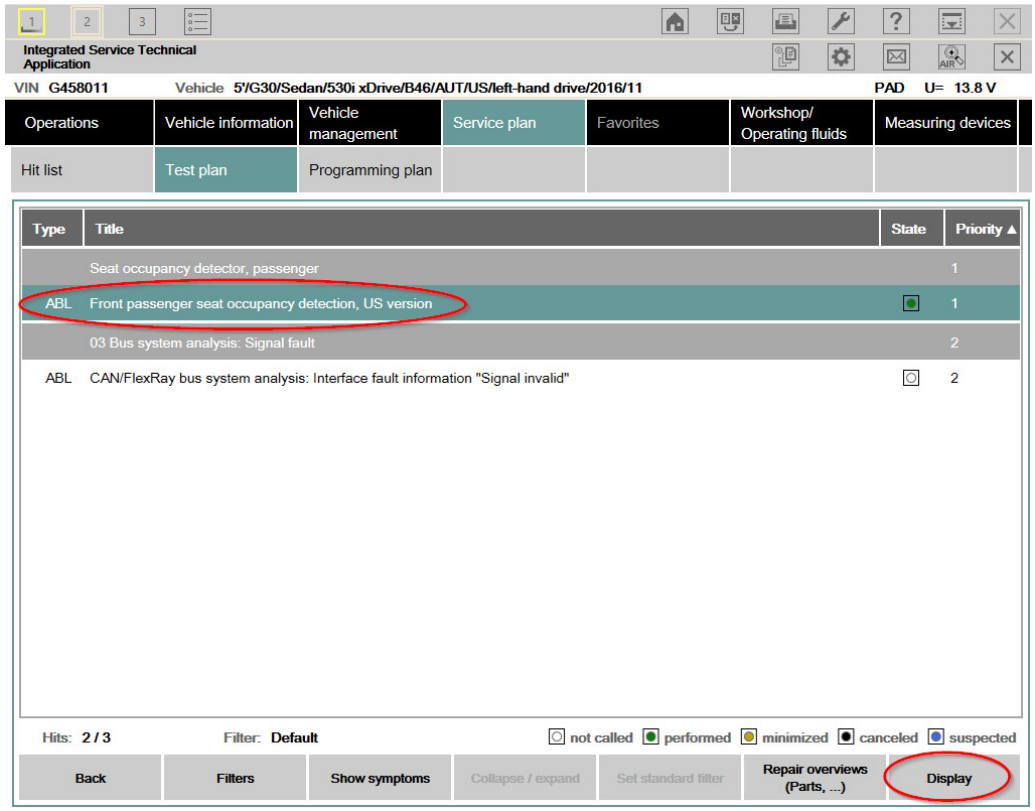
- End the test module and select the vehicle information tab/control unit tree tab and click on display fault memory



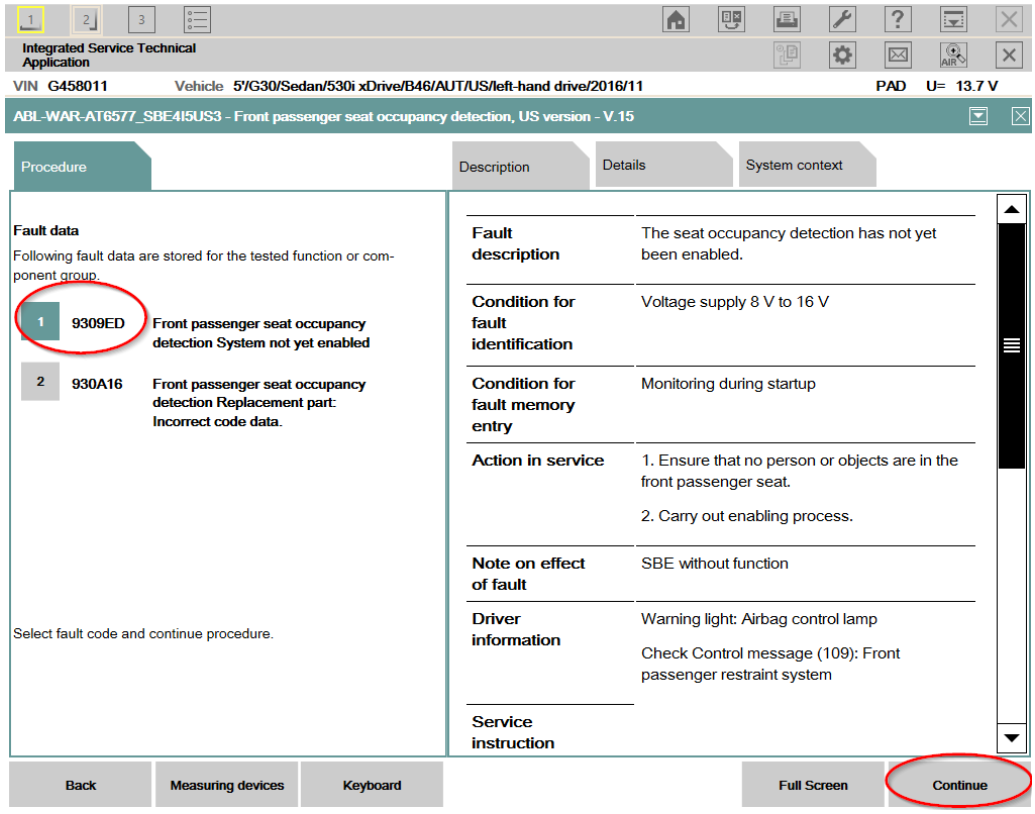
- Now the DTC 0x930A16 is still visible but not existent and the next DTC 0x9309ED shows up. Let now ISTA 4 calculate a testplan again.



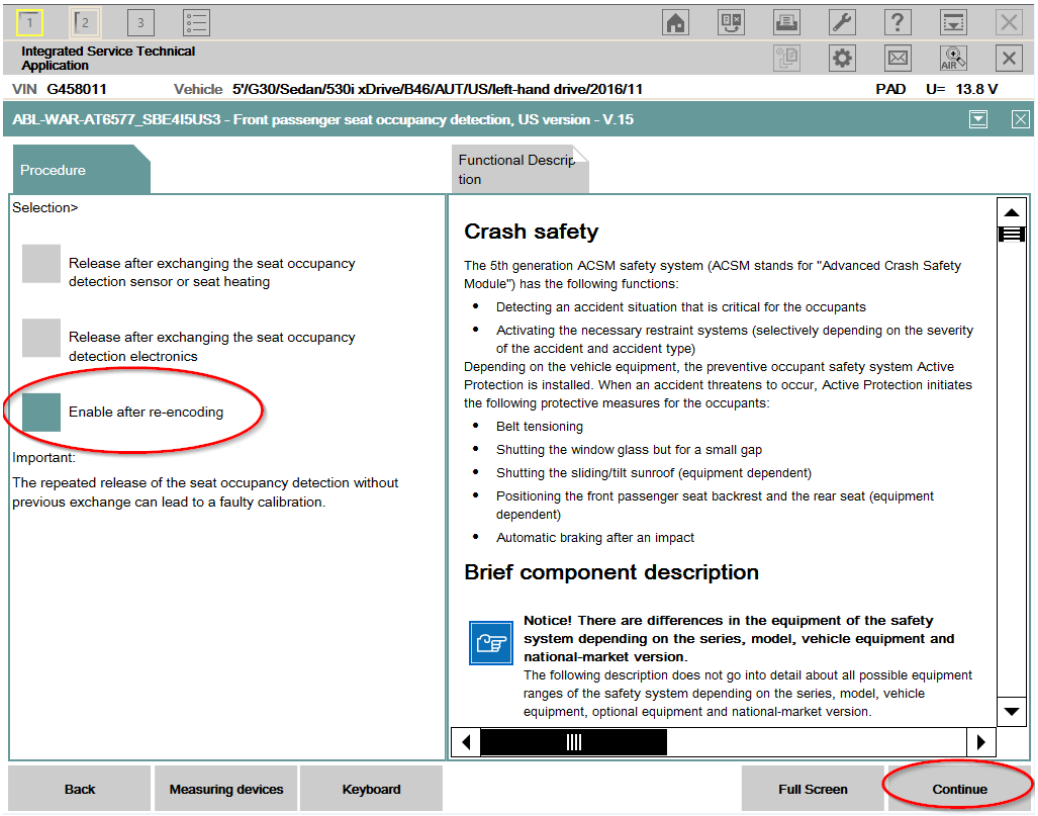
- Select the same testplan again as before and click on display



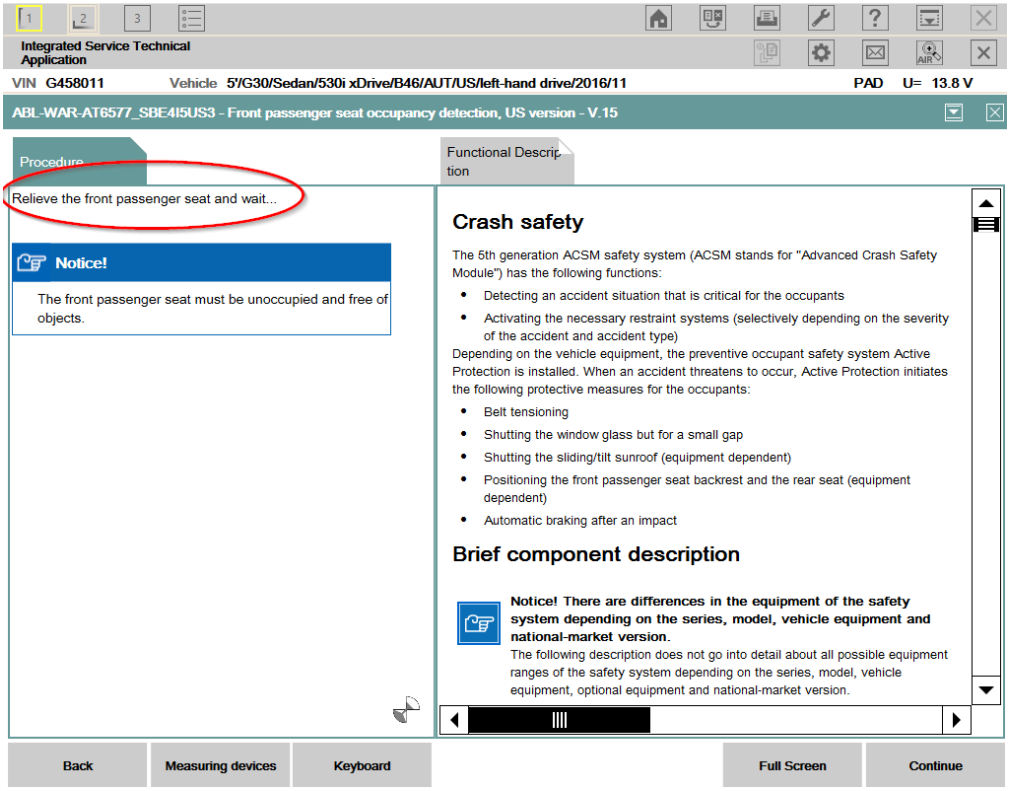
- Select the new error code (9309ED) and click on continue



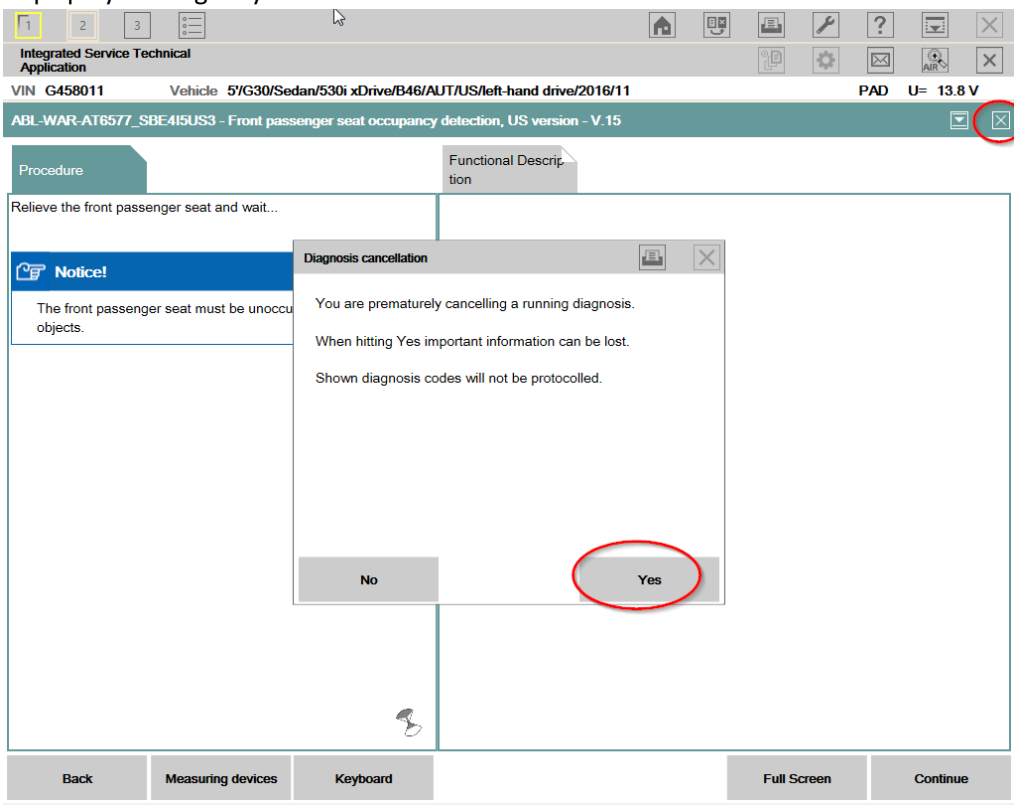
- Select Enable after re-encoding and click continue



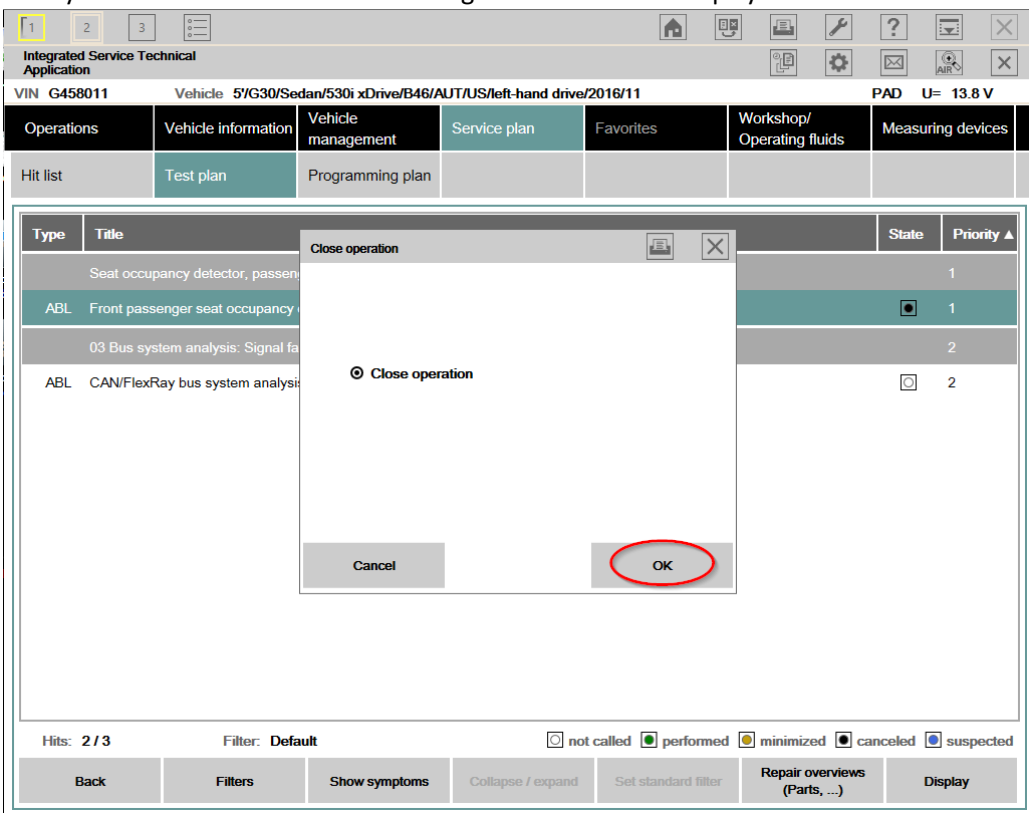
- Once you come to this screen where ISTA states you need to relieve the front passenger seat and wait, even if you haven`t started to seat a passenger on the seat.



- In this situation you only can stop this test module by clicking on the X-Symbol and close the PopUp by clicking on yes.



- Now you need to close the session and give the car a full sleep cycle



- After the sleep cycle hook up the car again and check the Fault Memory. The error should be gone. If not try to delete it again. And please have a Person sitting on the passenger seat the light should go off. This is crucial in order that we need to make sure that the passenger seat occupancy is detect!
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