

Diagnostic Sheet

FROM: Maserati TSO
TO: Maserati Network



PERSONAL SERVICE LAB

MASTERS OF CARE

MC20 – Side Door Anomalies

ATTENTION! This bulletin supersedes [MAS004440 MTB 24-37](#) released on Dec 5, 2024. Please discard/remove all copies of the previous bulletin.

DATE: MAY 30, 2025

This Diagnostic Sheet serves as a guide and provides additional diagnostic info for possible door panel anomalies.

MODELS: M240 MC20 and MC20 Cielo (All MY).

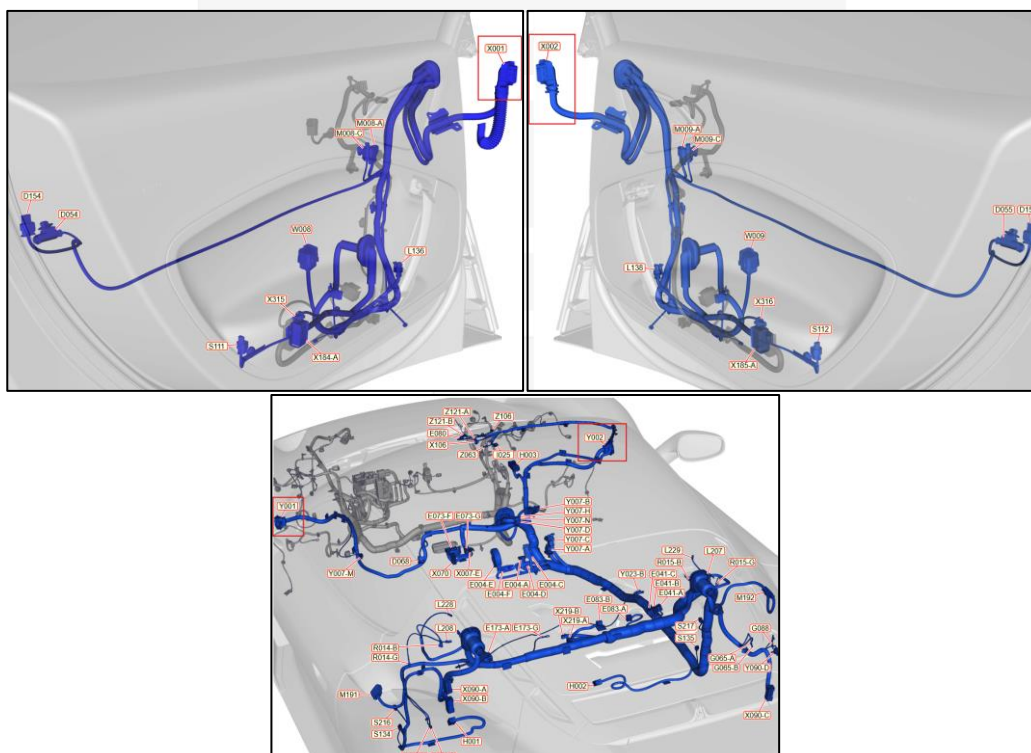
CONCERN: Electrical anomalies related to door services such as speakers, lighting, window lifters, rearview mirrors, door opening and closing, curtain airbags or internal door pressure sensor, communication anomalies on LIN Buses 3 and 4 diagnosed by BCM due to possible oxidation of the door connector(s) X/Y001 and/or X/Y002.

POSSIBLE DTCs:

Various DTCs on the above-mentioned door services stored in the BCM control unit of the type "open circuit", "short circuit", "short circuit to battery", "short circuit to ground", "loss of communication". Focus on ORC control unit for DTC on curtain airbags and/or internal error in the control unit itself.

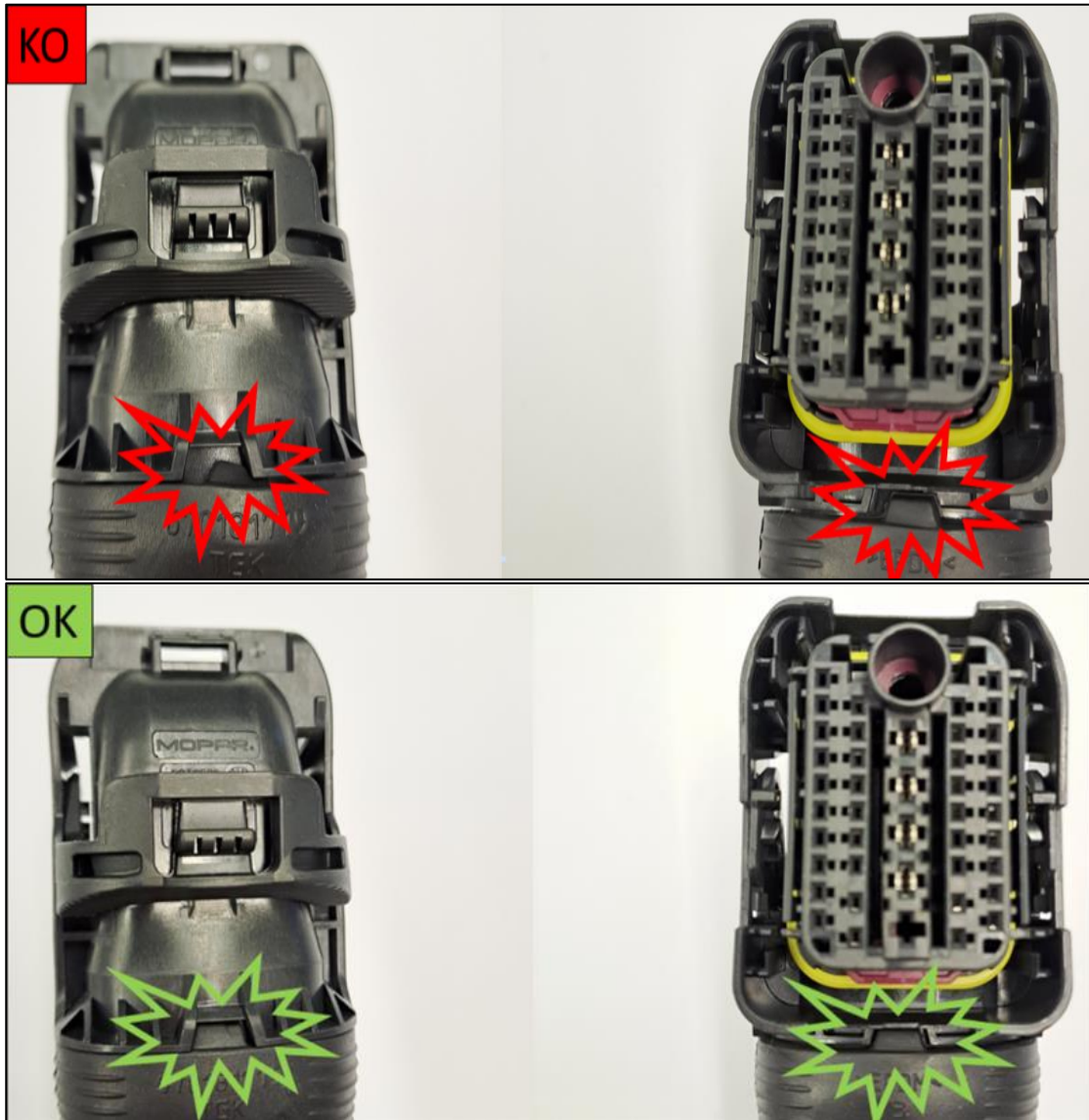
ACTION:

To correctly diagnosis and repair, it is necessary to access connectors X/Y001 and/or X/Y002 following the steps below:



STEP 1: INSPECT CONNECTOR (X001/Y001 or X002/Y002) FOR CORROSION DAMAGE

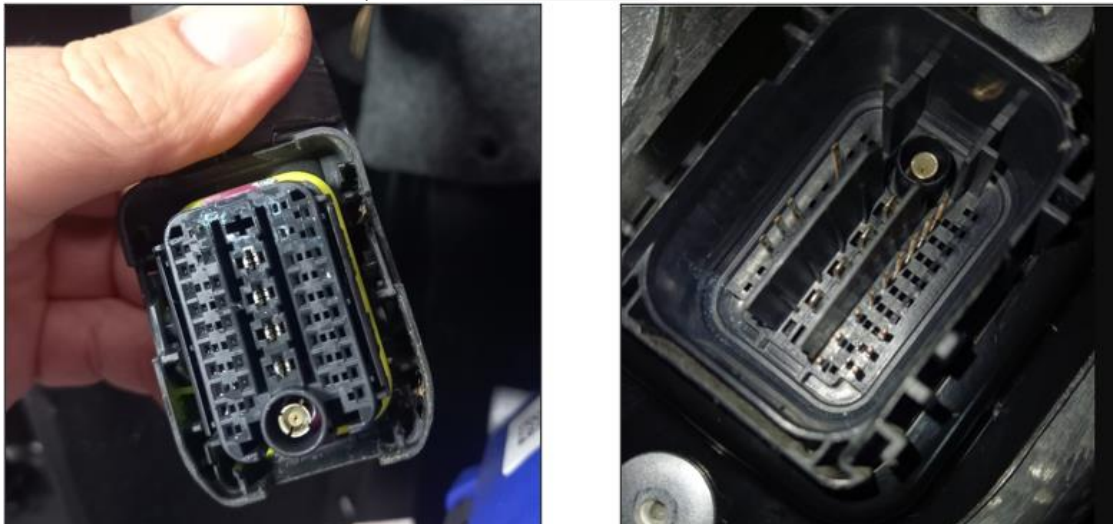
- 1) Disconnect the 12V battery, inspect the condition of the electrical connection between the door wiring and the passenger compartment wiring, take pictures of the protective rubber position.



- 2) Disconnect the connection between the door wiring and the passenger compartment wiring and check for any presence of humidity or oxidation on both the passenger compartment and door sides.

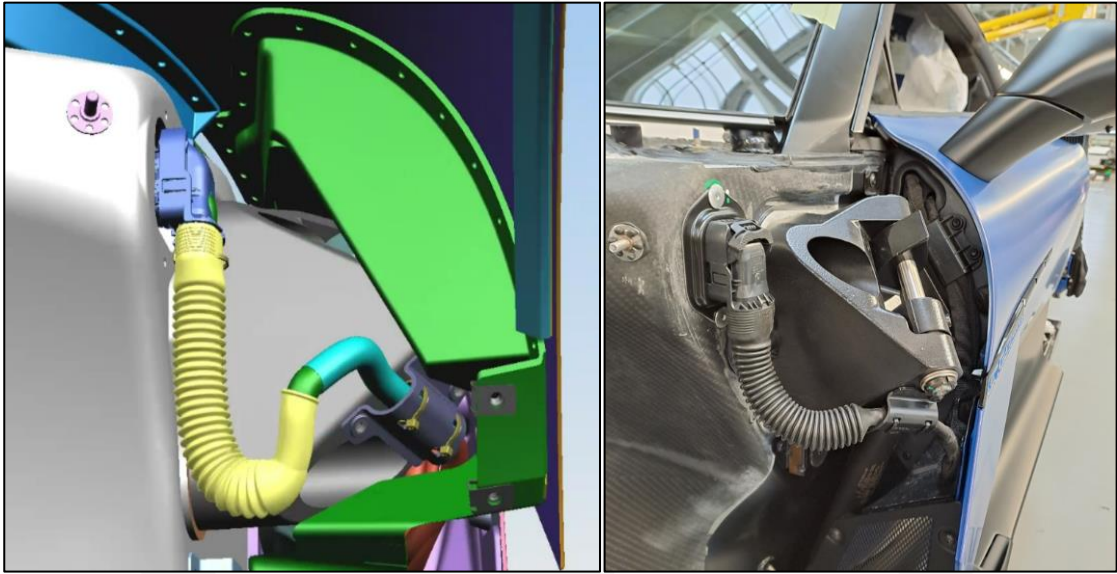
If there is no corrosion present in the connection, proceed with the diagnostic steps provided based on the customer concern and stored DTCs.

In case of oxidation as shown in the photo below:



Door side: Replace the door wiring harness with the corresponding P/N of the GT2S version, which has a slightly revised shape. It is recommended to replace both wiring harnesses, right and left.

RIGHT DOOR		LEFT DOOR	
ERA	BECOMES	ERA	BECOMES
670215792	670353382	670215790	670353378
670215793	670353383	670215791	670353379
670215422	670353384	670215421	670353380
670175236	670353385	670175235	670353381



Old Layout

New Layout

Vehicle side: open a Blue on Line as Support Request and wait for instructions from the Product Support Team.

STEP 2: INTERNAL FAULT CODE IN THE ORC CONTROL UNIT

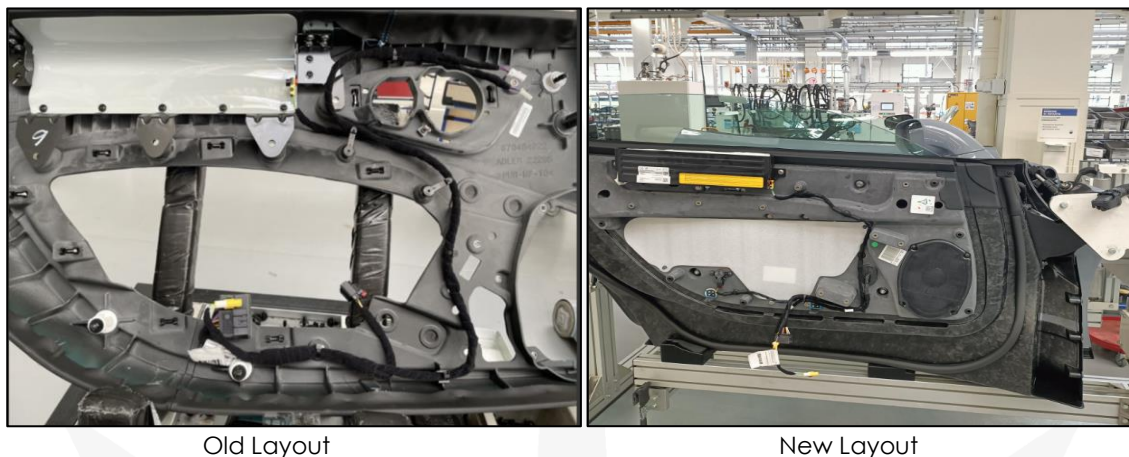
If the customer complains exclusively about the Airbag warning light being on with only **DTC B010049** = "ECU internal errors - Internal Electronic Fault" stored in the ORC control unit, proceed with replacing the ORC control unit by saving:

- a. ORC control unit fault reports and parameters.
- b. Photo of ORC control unit and its traceability as per photo below.



STEP 3: CHECK INTERNAL LAYOUT OF THE BAG HARNESS WIRING

For information purposes only, starting from the vehicle assembly date of 22 September 2022 (Chassis #409912) the connecting bridles of the RH and LH curtain airbags are no longer integrated into the door panel wiring harness but are provided as a separate component (Component #14 in table 08.60 - 2 MAIN WIRING HARNESSES). This change avoids damage to the airbag connections during the door panel removal phase.



Old Layout

New Layout

In both the old and new layout, it is still necessary to check that the wiring is not pinched (as shown in the photo below as an example) and that the airbag module connections are not damaged.



As a result of this change, the door panel wiring is no longer involved in the circuit and does not need to be diagnosed and/or replaced.

The components to be diagnosed must therefore be the following:

- SIDE CURTAIN AIR BAG MODULE (Component #7 and #8 in Table #07.06-1 AIR BAG SYSTEM).
- DOOR PANEL BRIDLE (Component #14 in Table #08.60-2 MAIN WIRING).
- FRONT DOOR WIRING HARNESS (Component #4 in Table 08.60-2 MAIN WIRING HARNESSES).

For a correct diagnosis of the anomaly:

- 1) Save an ORC ECU parameter and DTC report.
- 2) Remove the door panel and inspect only visually and without disconnecting the electrical connections of the airbag module and the door panel bridle and the related wiring. Take photos of the related connections and of any anomalies found on the wiring.

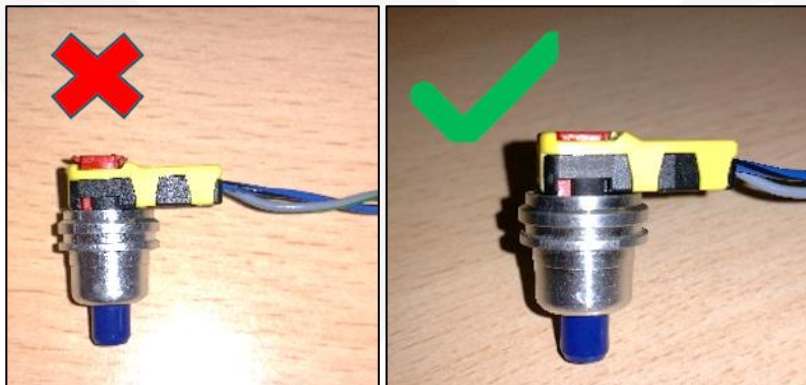
NOTE: when removing the door panel, pay close attention to gently release the plastic clip retaining the connection shown in the image below on the right.

WARNING! IT IS HIGHLY RECOMMENDED TO DISCONNECT THE 12V BATTERY BEFORE WORKING ON AIRBAG COMPONENTS



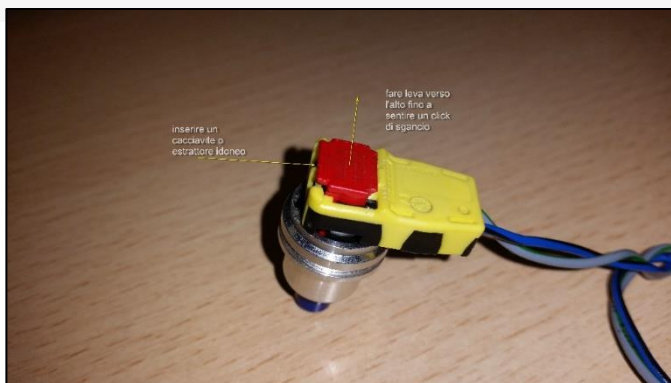
STEP 4: CHECK THAT THE CPA TERMINAL IS SEATED CORRECTLY

With the battery disconnected, check the condition of the connector on the pyrotechnic charge on the curtain airbags; the red safety clip MUST be in the FULLY inserted position (see photo below).



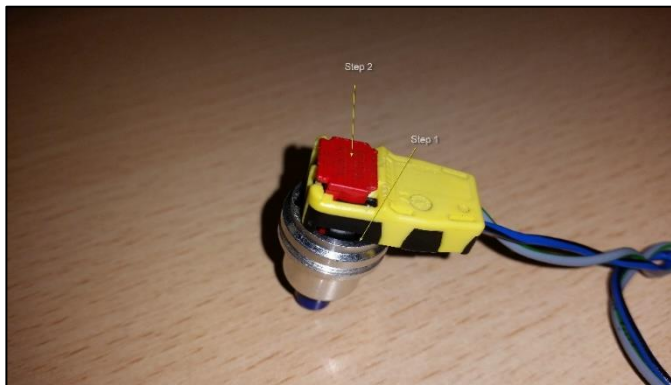
In case of incorrectly entered CPA, proceed as follows:

- Gently insert a flat screwdriver into the CPA coupling cavity, lever upwards until the CPA disengages.
- Pull the connector out perpendicularly.



To insert it:

- Step 1: Insert the connector into the pyrotechnic charge seat WITHOUT pressing the red CPA.
- Step 2: Once the connector is inserted, press the red CPA down until it stops.



Open a Blue on Line at least as Information to the Factory attaching the evidence collected during the diagnostic steps reported above.

Fill out the warranty claim as follows based on the steps performed:

Description	Code
Fault Code	63
Component Code	8.60.002.0 (CABLAGGIO SERVIZI VANO ANTERIORE)
Operation Code	
Step 1 (based on evidence found)	<ul style="list-style-type: none"> • 0.20.002.0 (STATIC TESTING OF THE CAR – 0.50 h) • 9.06.001.0 (Removal/Reattachment of COMPLETE LH FRONT MUDGUARD – 1.90 h) and/or 9.06.002.0 (Removal/Reattachment of COMPLETE RH FRONT MUDGUARD – 1.90 h) • 8.60.013.0 (Replacement of LEFT FRONT DOOR WIRING HARNESS – 1.15 h) and/or 8.60.012.0 (Replacement of RH FRONT DOOR WIRING HARNESS – 1.15 h)
Step 2 (based on stored DTCs)	<ul style="list-style-type: none"> • 7.06.004.0 (AIR BAG CONTROL UNIT REPLACEMENT – 0.40 h)
Step 3 + 4	<ul style="list-style-type: none"> • 9.30.004.0 (Removal/Refitting COMPLETE DRIVER SIDE FRONT DOOR PANEL – 0.55 h) and/or 9.30.003.0 (Removal/Refitting COMPLETE PASSENGER SIDE FRONT DOOR PANEL – 0.55 h)

We remain at your disposal for any clarification.
Best regards,

TECHNICAL SERVICE OPERATIONS