

Diagnostic Sheet

FROM: Maserati TSO

TO: Maserati Network



PERSONAL SERVICE LAB

MASTERS OF CARE

Grecale: Checks for TPMS and/or Keyfob Recognition Issues

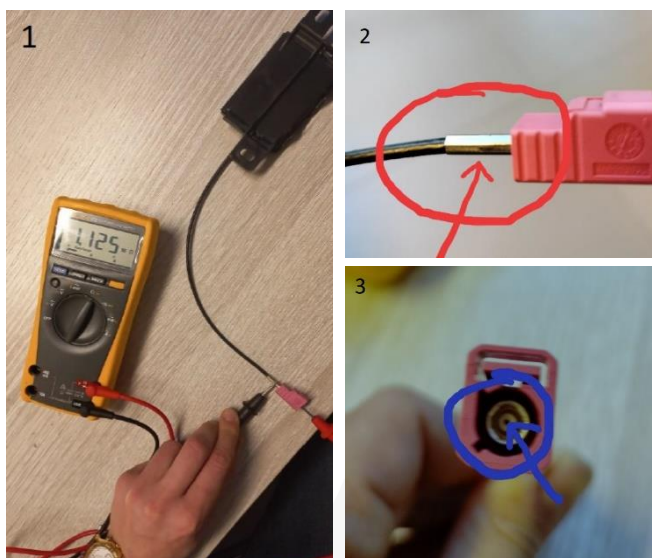
DATE: JUNE 1 2023

This document aims to provide technical indications for the diagnosis of TPMS and/or keyfob recognition anomalies.

MODEL: Grecale (All MY)**CHECKLIST:**

- 1) Save a full ECU scan report;
- 2) Check if Campaign 567 is still open on the VIN in question. If so, perform the campaign instructions and verify that the problem has been solved. In case the problem persists after performing the campaign, go to step 5;
- 3) Check if the car is equipped with OPT 35B (21" CRIO STAGGERED ALLOY FRONT WHEEL: 255/40 REAR: 295/35 SUMMER CLASS C) **AND** Bridgestone Tires. If both conditions are matched, then replace all 4 tires (by choosing a different brand, e.g. Pirelli, Continental, etc.). Perform a road test to confirm the good outcome of the repair. In case the problem persists, go to step 5;
- 4) If the vehicle is not equipped with OPT 35B + Bridgestone tires, go to step 5;
- 5) Check the unlocking of the doors by pressing the unlock button of the keyfob, at a distance of 6 meters;
- 6) Check if the ignition can be turned on and off with keyfob positioned on the front passenger seat;
- 7) Get access to the RFHM antenna under the dashboard (refer to Modis workshop procedure 08.53.097 – 00);
- 8) Measure the resistance of the antenna (see picture 1) by positioning the tester probes as follows:
 - negative probe >> outer metal band (see picture 2)
 - positive probe >> center of the connector (see picture 3)

NOTES: It is important to connect the probes as described above. Do not invert the position of the probes. The resistance value shown in picture 1 is just an example.



9) If the measure is on the order of milliohm ($m\Omega$), check the correct positioning of the probes. The expected resistance value is in the order of Megaohm ($M\Omega$);

10) Check the production date of the antenna (see example highlighted in the figure below). The date is in YYDDD format. Replace the antenna if the number reported is lower than **23031** (refer to the spare parts catalogue, section 08.53 – 1, item n.4).



11) Open a BOL as "factory information" and report all the information collected throughout all the above checks including pictures of the following:

- resistance measurement;
- integrity of the harness of the antenna;
- label of the antenna.

NOTE: Starting from June 2023, a new procedure for replacing the antenna will be released on Modis (which will replace the previous version, keeping the same reference code: 08.53.097 – 00). The new procedure will avoid the disassembly of the dashboard, allowing a considerable reduction in the labor required for the operation.