

Diagnostic Sheet

FROM: Maserati TSO

TO: Maserati Network



PERSONAL SERVICE LAB

MASTERS OF CARE

Grecale: Checks for TPMS and/or Keyfob Recognition Issues

ATTENTION! This document replaces MAS003611 BOL 23-03. Please discard any paper copy of the previous bulletin

DATE: AUGUST 30 2023

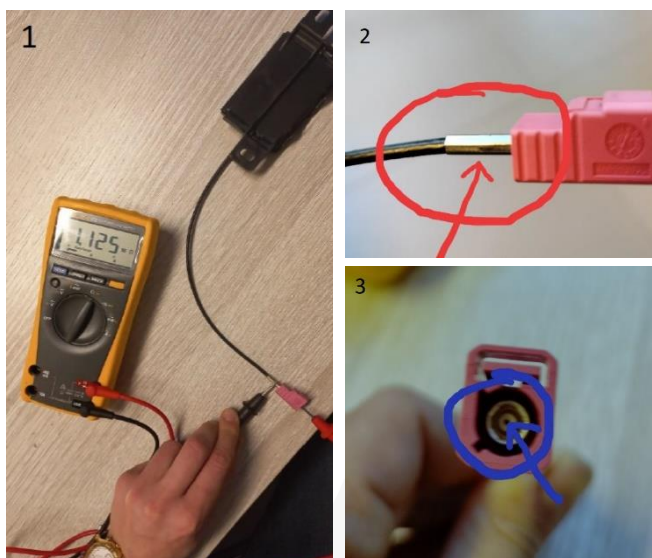
This document aims to provide technical indications for the diagnosis of TPMS and/or keyfob recognition anomalies.

MODEL: Grecale (All MY)

CHECKLIST:

- 1) Save a full ECU scan report;
- 2) Check if the vehicle is equipped with OPT 35B (21" CRIO STAGGERED ALLOY FRONT WHEEL: 255/40 REAR: 295/35 SUMMER CLASS C) AND Bridgestone tires. In this case, write down the DOT code of the tires and check if they are the ones installed as original equipment or if they were installed after the vehicle sale;
- 3) Check the unlocking of the doors by pressing the unlock button of the keyfob, at a distance of 6 meters;
- 4) Check if the ignition can be turned on and off with keyfob positioned on the front passenger seat;
- 5) Get access to the RFHM antenna under the dashboard (refer to Modis workshop procedure 08.53.097 – 00);
- 6) 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.**



- 7) 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 ($M\Omega$);
- 8) 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).



- 9) 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.