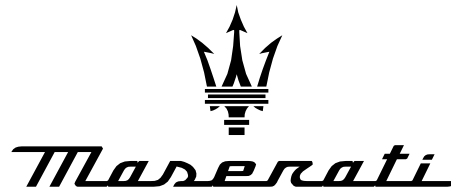


**Diagnostic Sheet**

FROM: Maserati TSO

TO: Maserati Network



PERSONAL SERVICE LAB

MASTERS OF CARE

# Grecale: Checks for TPMS and/or Keyfob Recognition Issues

DATE: May 16, 2024

This Diagnostic Sheet serves as a guide and provides additional diagnostic info for possible keyfob recognition and TPMS anomalies.

**MODELS:** M182 Grecale (23MY only).

**CUSTOMER CONCERN:**

- A)** The TPMS warning light is illuminated, and the pressure value of one or more tires is not displayed. Additionally, there may be difficulty locking and unlocking the doors, even at close range, less than 19 feet (6 meters)."
- B)** "Insufficient tire pressure" warning in the IPC (Instrument Panel Cluster), even though the pressure displayed is correct.
- C)** "Keyfob not detected" warning in the IPC (Instrument Panel Cluster) after opening and closing the driver's door).

**ACTION:**

- If the customer reported the occurrence described on line "A", proceed with the **CHECKLIST** below.
- If the customer reported one or both occurrences described on lines "B" and "C", check whether the vehicle is involved and completed RUs 673 and 674 ► If the customer is still experiencing these anomalies after completing both updates, then open a BOL as "Support Request" for further assistance.

**CHECKLIST:**

Performing the following checks and confirming the anomaly via Blue Online is a mandatory requirement for the technical approval of the repair in this bulletin; if the concern is not appropriately confirmed, Blue on Line will not be able to provide authorization to proceed.

- 1) Check if the vehicle is involved in Rapid Update 689 in Modis. If the vehicle is not involved in RU689, then continue with the steps below.
- 2) Save a complete scan report (DTC+Parameters) of the control units in the vehicle; In case of the absence of specific DTCs in RFHM relating to the TPMS functionality, perform a test drive trying to reproduce the complaint and subsequently save the relevant scan report.
- 3) Check the status of the TPMS warning light and the presence of all four tire pressure values. Document with photos.
- 4) Check locking/unlocking of the doors by pressing the relevant button on the key fob, at a distance of 6 meters. Document the behavior of the vehicle with a video.
- 5) Check whether it is possible to switch the ignition to RUN, with the key fob positioned on the front passenger seat. Document the behavior of the vehicle with a video.
- 6) If one or both concerns (TPMS anomaly or difficult key fob detection) are confirmed by the diagnosis, submit a BOL as a "Support Request" attaching what is requested above, and wait for authorization to proceed with **RFHM ANTENNA REPOSITIONING** on the next page.

- If the repositioning had already been carried out previously, then open a BOL as a "Support Request", and document in detail all information collected up to this point.

## RFHM ANTENNA REPOSITIONING:

The procedure consists of moving the RFHM antenna from its original position (behind the dashboard) to the central area of the passenger compartment.

**NOTE: If the date stamp on the original antenna label is less than 23031, replace the antenna, p/n 675002208. Otherwise, the original antenna must be reused.**



**NOTE: Replacement of the antenna with a date stamp lower than 23031 is authorized only if the repositioning is also carried out. Replacement, without repositioning, is not considered an effective fix.**

For the repair procedure, refer to the instructions given in the RU 689 bulletin. The operation will require the use of a drilling template, which is included with that bulletin.

Open a BOL as "Factory information" to report the data collected during the diagnosis.

To proceed with the operation, you will need to order the following list of components:

SPARE PARTS	QTY	PN
M182 TPMS ANTENNA RETROFIT BRACKET	670310081	1
SCREW	675001491	2
RIVET (*)	675000323	1
WASHER 6X21	675000441	1
GREEN ANTENNA CABLE	670311391	1
BLUE ANTENNA CABLE	670311392	1

(\*) The washer indicated in the table will be available from May 2024. In the meantime, it is possible to use any commercial flat washer suitable for this purpose (**dimensions D.6 – d1 21X1 mm**).