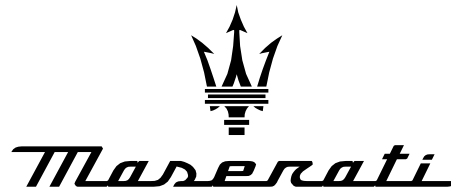


**Diagnostic Sheet**

FROM: Maserati TSO

TO: Maserati Network



PERSONAL SERVICE LAB

MASTERS OF CARE

# Grecale Suspension Not Responding – Diagnostic Steps

DATE: OCTOBER 7, 2025

This Diagnostic Sheet provides step-by-step instructions to help diagnose and report issues with the adaptive suspension system on Maserati Grecale vehicles equipped with Skyhook or Air Suspension. It guides technicians through specific tests to confirm whether the suspension settings are functioning correctly and how to collect data for further support.

**MODELS INVOLVED:** M182 Grecale (All MY).

**Concern:**

Drivers may notice the suspension feels rough or stiff, and changing the suspension mode (GT, Comfort, Sport) doesn't make a difference.

**Possible Diagnostic Trouble Code (DTC):**

- **D12F00** found in the BSM module and showing as "PRESENT"

**Important Note:**

**Do NOT disconnect or reconnect the 12V battery or the VDCM ECU.**

Instead, follow the two tests below.

**TEST 1 – Stationary Test (5 Minutes):**

1. In the VDCM ECU, create a custom group in base diagnosis.
2. Set:
  - **Sampling Time:** 100ms
  - **Duration:** 5 minutes
3. Record these parameters:
  - **8001 – HMI Bus Input**
    - Damping Mode Request
  - **9009 – Vertical Dynamics Semi Active Damping (SDC) Status**
    - Damping Mode
  - **9010 – SDC Damper Valves Status**
    - Front Left Damper Command & Feedback
    - Front Right Damper Command & Feedback
    - Rear Left Damper Command & Feedback
    - Rear Right Damper Command & Feedback
4. Start the engine and keep the car in "Park" for 5 minutes. While running the test:
  - Change the damping mode using the Drive Mode Selector (GT, Comfort, Sport).
  - Press the Shock Absorber button inside the Drive Mode Selector.
  - Watch for changes in the IPC icon and updates in parameters 8001 and 9009.

Here below is an example of the parameters on MDEVO application:



### TEST 2 – Road Test (10 Minutes):

1. In the VDCM ECU, create a custom group in base diagnosis.
2. Set:
  - o **Sampling Time:** 100ms
  - o **Duration:** 10 minutes
3. Record the same parameters as in **Test 1**:
  - o 8001 – Damping Mode Request
  - o 9009 – Damping Mode
  - o 9010 – Damper Commands & Feedback (all four corners)
4. Drive the vehicle for about 10 minutes. During the drive:
  - o Go over several speed bumps.
  - o Change the damping mode using the Drive Mode Selector.
  - o Press the Shock Absorber button.
  - o Watch for changes in the IPC icon and updates in parameters 8001 and 9009.

### Next Steps:

- Open a BOL report for Technical Support.
- Attach all collected data and any other useful information.
- Wait for further instructions before proceeding.

**NOTE: Maserati reserves the right to change or cancel claims that do not meet the criteria set out in this communication.**