



PERSONAL SERVICE LAB

MASTERS OF CARE

Load Shed Function Characteristics

IMPORTANT NOTICE This bulletin supersedes **MAS004817 MTB 25-34** released on **September 23, 2025**. It contains updated information, please ensure all previous versions are discarded.

DATE: OCTOBER 31, 2025

The purpose of this bulletin is to explain the behavior and function of the Load Shed system introduced in BCM Software 19.2 on Grecale, GranTurismo, and GranCabrio models. This system automatically reduces power to non-essential electrical features to protect battery health and ensure vehicle stability, especially during low battery charge or charging system issues.

Models Affected Grecale (M182), GranTurismo (M189), GranCabrio (M190) (All MY)

Operational Description

Customers may report features like the A/C system, heated seats, steering wheel heater, defrosters, ambient lights, head-up display, and easy entry/exit are turned OFF when restarting the vehicle even if they were ON before.

This is **not a fault**. It's caused by the **Load Shed Function**, introduced with **BCM Software 19.2**. This system helps protect the battery by turning off non-essential electrical features when battery charge is low or the charging system isn't working properly.

The system is designed to maintain electrical stability and prevent battery drain. It follows a strategy based on feature importance, safety regulations, and customer satisfaction.

See next page for more information

Contact your Regional AfterSales Manager (RAM) or the Technical Support Helpdesk if you have any questions.

How the Load Shed Function Works

The system monitors the battery's **State of Charge (SOC)** and turns off features in stages as SOC drops.

SOC Levels and Feature Deactivation:

SOC Level	Features Turned Off
Level 1 (52%)	Heated/Vented Seats
Level 2 (50%)	Heated/Vented Seats
Level 3 (47%)	Heated Steering Wheel
Level 4 (45%)	Rear Defroster, Heated Mirrors
Level 5 (42%)	A/C System, Seat Massage
Level 6 (40%)	Power Inverter, Ambient Lights, Easy Entry/Exit, Head-Up Display
Level 7 (34%)	Audio and Telematics System

When the Function Activates

- Engine ON:**
 If SOC is below 55% and battery voltage is under 12.2V, features are gradually turned off following the levels above.
- Key ON, Engine OFF:**
 Depending on SOC and battery temperature, multiple features may be turned off at once ranging from Level 1 to Level 6 or Level 1 to Level 7.

When active, the following message appears in the instrument cluster (IPC):

“Battery saver ON – some systems may have reduced power.”

Additional Notes

- Long periods of vehicle inactivity and low mileage can reduce battery performance and SOC.
- Do not open a BOL or warranty claim** for this behavior it is expected and normal.
- Please explain this feature to customers to avoid confusion.