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Technical Information
FROM: After Sales - TSO
TO: Maserati Network

Maserati
PERSONAL SERVICE LAB
MASTERS OF CARE

New Logistics Mode removal procedure

DATE: OCTOBER 27 2022

SECTION: 08.20-1 Energy generation and accumulation

MODELS: All Maserati Models starting from MY23

The purpose of this Technical Information is to inform you about the new removal procedure of the "Logistics Mode" introduced and applicable to all Maserati models, except for the MC20, from MY23 and available starting from the MDEVO software update Montecarlo version 8.2.1

To ensure the performance and reliability of the 12V Vehicle Battery, the removal/activation of the Logistics Mode by means of a diagnostic tool has now been linked to a preliminary verification of the State of Charge of the Battery monitored by the BCM according to the data received from the IBS sensor.

The minimum State of Charge required to allow the removal of the Logistics Mode is 80%.

Note: all new cars produced by Maserati are shipped from the Production Plant with a State of Charge higher than 90%, so we expect that after the logistics phases, the latter is not less than 80%.

Operating Procedure for the Removal of the Logistics Mode (Ghibli, Quattroporte, Levante and Grecale)

Whether the Vehicle is in Ship Mode or Standard Mode (i.e. Transportation Mode or Standard Mode) can be determined by looking at the lower portion of the central area of the Instrument Panel Cluster. If the writing "Ship Mode" is there, this indicates that the car is in Logistics Mode.

Figure 1: Ship Mode visible on the Instrument Panel Cluster.

The removal of the Logistics Mode is exclusively possible via MDEVO (no manual mode is available).

The procedure is available within the "Procedures" of the BCM control unit:

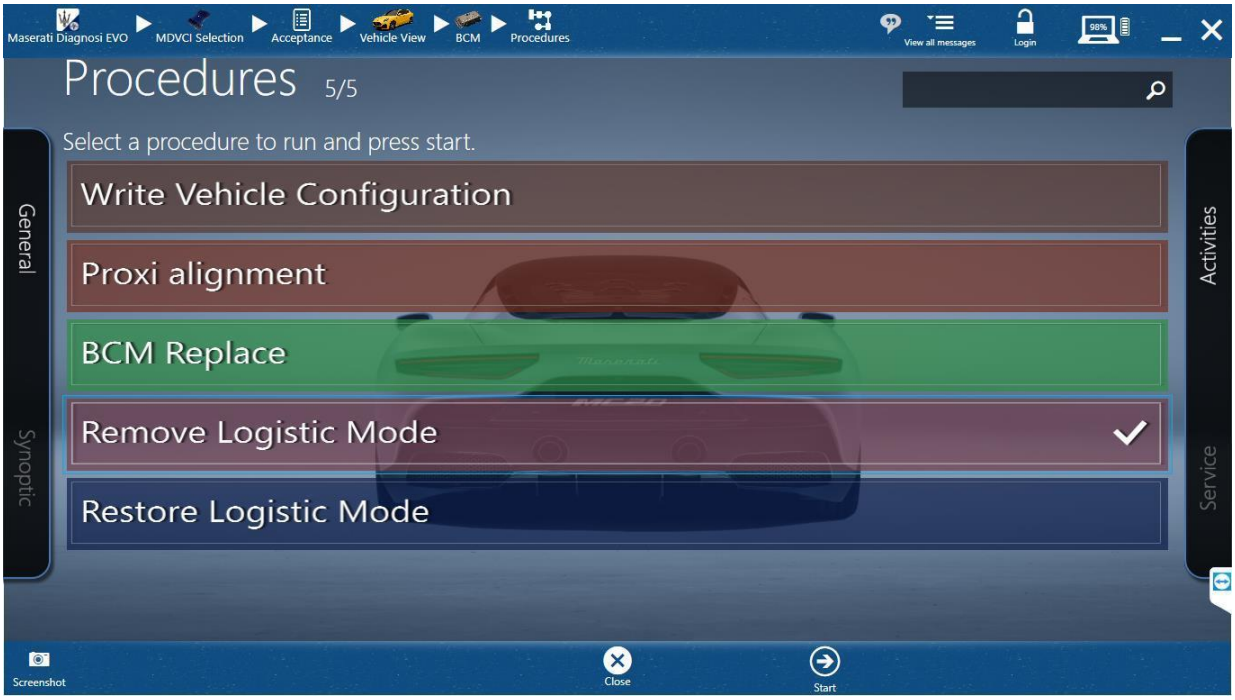

Figure 2: BCM ECU Procedures.

The preconditions for this procedure are as it follows: the vehicle must be at standstill, with engine off, ignition on and unlocked Security Gateway.

The procedure must be performed without any 12 Volt maintainer or charger connected to the Vehicle. MDEVO will inform the Technician, accordingly, as shown in Figure 3.

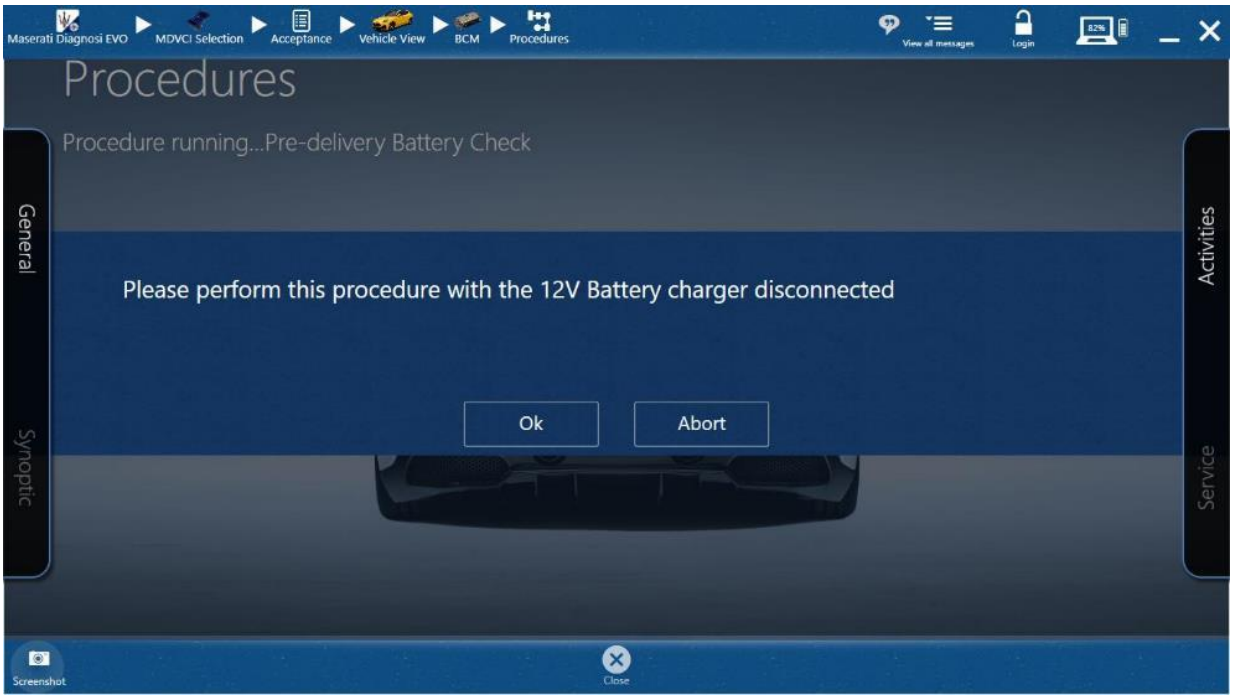

Figure 3: warning message in case a Battery charger or maintainer is connected.

MDEVO will check the Battery State of Charge (SOC) and its accuracy (SOC Accuracy).

NOTE: the accuracy of the SOC is estimated by means of the Battery voltage and current supplied by the Battery versus the expected values, depending on the State of Charge of the latter. Inaccurate SOC conditions may be generated after a battery disconnection, battery being charged with Battery removed from the vehicle (not monitored by the IBS sensor) or a failure of the battery itself.

To remove the Logistics Mode, the following conditions need to be fulfilled:

State of Charge (SOC) > 80%

SOC Accuracy: Accurate

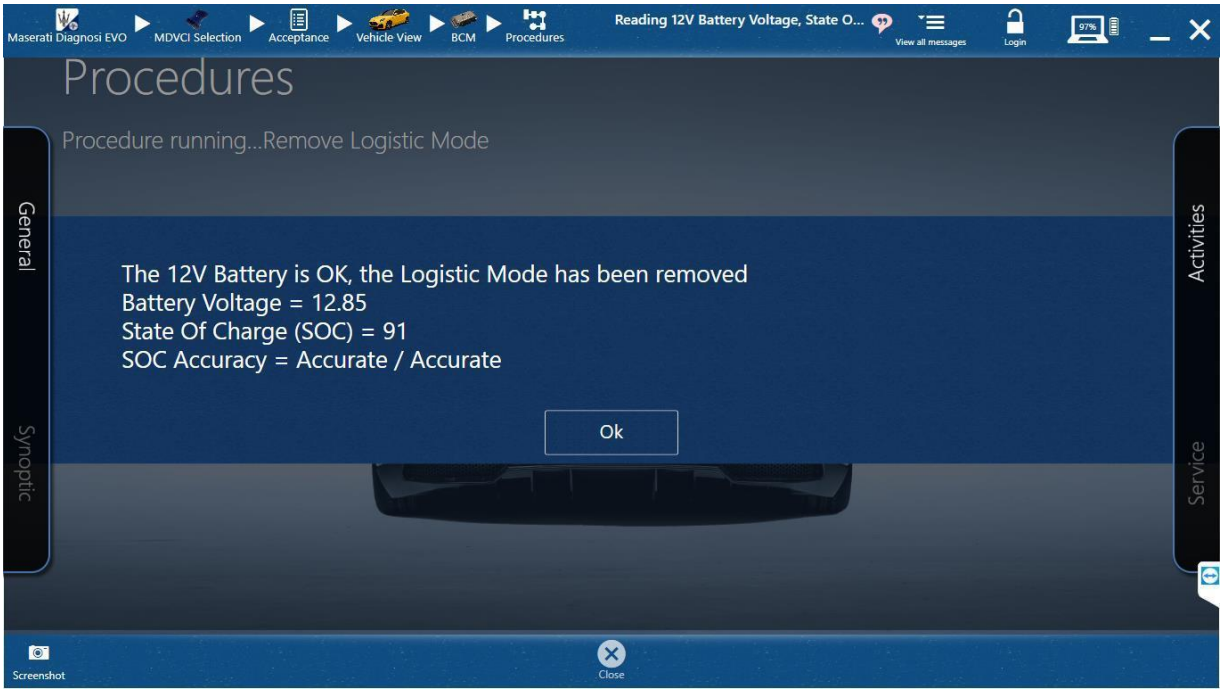

Figure 4: message of successful removal of the Logistics Mode.

If the state of charge of the Battery is less than 80%, the procedure will not be successfully complete, and it will be necessary to perform a partial or total recharge of the battery.

IMPORTANT: to let the Vehicle correctly learn the increase of State of Charge when charging and prevent the accuracy of the SOC from being low, make sure to connect the charger clamps correctly, so that the IBS can monitor the current flowing through the negative charger clamp. Any point on the chassis and IBS is acceptable, with the sole exception of the clamp connected to the negative pole of the battery. Please refer to the indications in Figure 5.

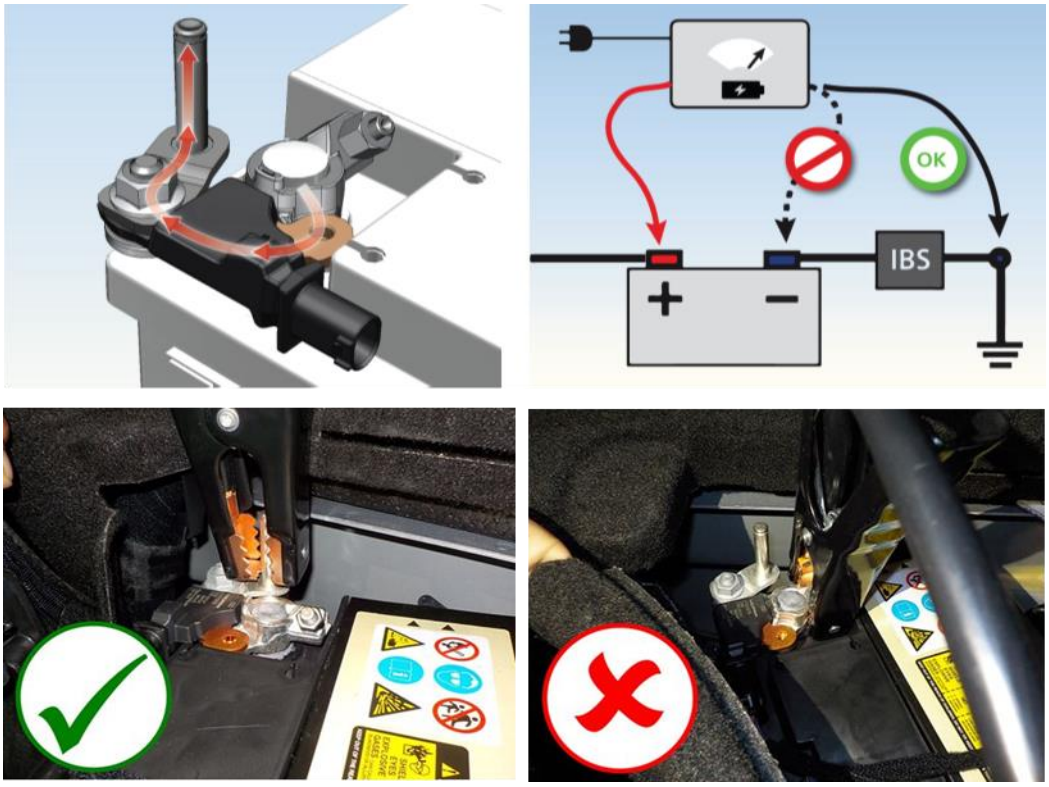

Figure *5*: appropriate battery connection during charging.

If the accuracy of the State of Charge is low, the procedure will not complete. To let the BCM learn the correct SOC value, the MDEVO must be disconnected from the Vehicle and the latter has to be closed by using the Keyfob for at least 4 hours before attempting the procedure again.

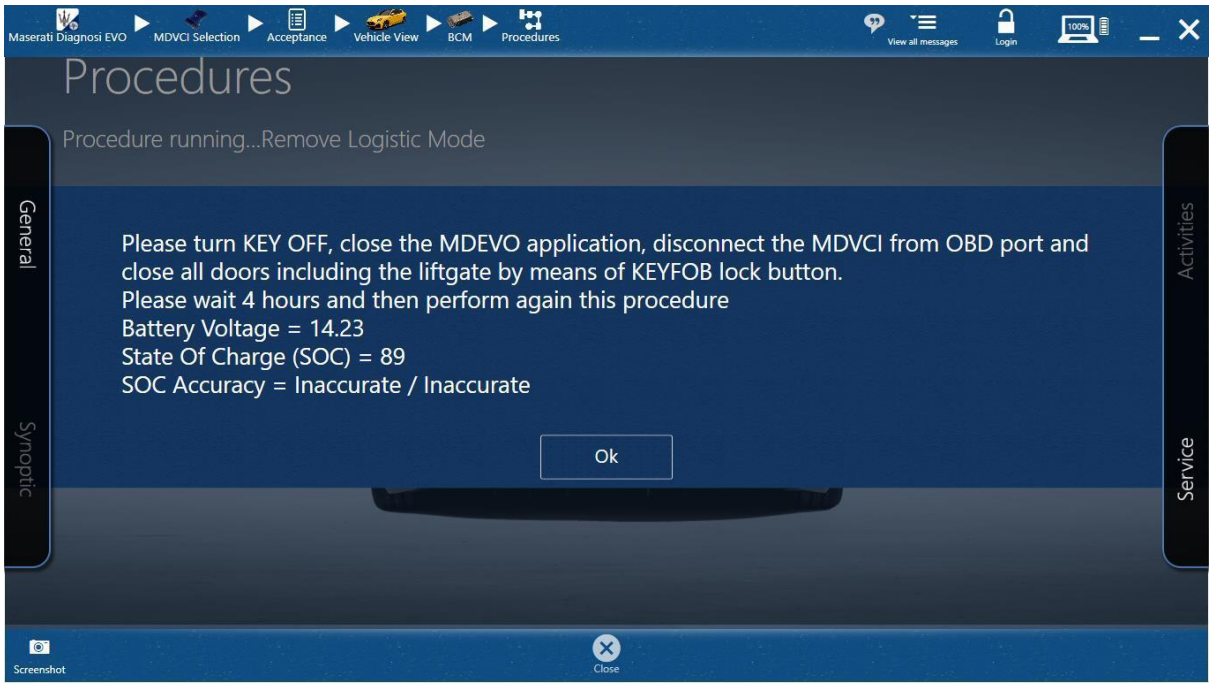

Figure 6: Logistics Mode removal not performed in case of not good State of Charge accuracy.

NOTE: for traceability reasons, Maserati will store the characteristic values of the Battery detected when performing this procedure on its Servers.

If needed, re-enabling the Logistics Mode will however be possible even after its removal, through the BCM Procedure "Restore Logistic Mode" (Figure 2).

The conditions that need to be fulfilled are the ones already described for the Logistics Mode removal procedure section described in this Technical Information.

Operating Procedure for the Removal of the Logistics Mode (MC20)

For technical reasons, the Logistics Mode removal procedure will remain unchanged on MC20 and available through the BCM Active Diagnosis "State Logistic Mode", without any preliminary control on the Battery State of Charge.

Figure 7: MC20 Logistics Mode removal.