

AfterSales Diagnostic Sheet



MAS002325
(BOL 21-04)

From: Aftersales - TSO
To: Maserati Network
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ESC WARNING LIGHT ON – DTC C1240-76 ON SCCM MODULE

NOTE: The below in depth diagnostic procedures are to be used along with the procedures listed in the Workshop Manuals if a more comprehensive diagnosis is required.

Issue: ESC WARNING LIGHT ON – DTC C1240-76 IN THE SCCM MODULE
Models: M157/M156/M161

Issue Description: ESC warning light on in the IPC.

Conditions: The storage of DTC C1240 occurs if the reading of the steering angle sensor exceeds 720 ° of rotation. This condition indicates a possible misalignment in the installation of the SCCM assembly.

ECU Errors: In the SCCM module: DTC C1240-76 “Steering Angle Sensor Angle Overtravel Performance-Wrong Mounting Position”.

Troubleshooting:

- Connect the diagnostic tool and check, inside the “Base Diagnosis” of the SCCM ecu. Look at the "Steering Angle" parameter in the "Status Parameters" group (Figure 1).



Figure 1

- With the steering wheel and vehicle wheels straight ahead, if the value of the Steering Angle displayed is different than 0 ± 5 degrees, follow the Workshop Manual Procedures "STEERING WHEEL - Removal/refitting or replacement" to reposition the steering column stalk assembly (Figures 2 and 3)



Figure 2



Figure 3

If in this phase there is the evidence that the component is damaged, open a BOL as support request with the outcome of the previous operations, attach to the BOL the DTC report of the car in pdf format.

- For the repositioning of the steering column switch the procedures are:
 - a) Be sure to have the steering wheel and the vehicle wheels straight ahead.
 - b) Turn the steering column switch to either the right or left limit. (End of travel)
 - c) Now turn it to the other limit counting the number of turns.
 - d) Turn it back the half number turns in order to be centered.
 - e) Check again with MD Evo the value of the parameter "Steering Angle" making sure it has returned to 0 ± 5 degrees.

Considerations: If after performing the above procedures the error is still present, open a BOL as a "Support Request", enter the operations carried out and attach the DTC report of the car in pdf format.