

AfterSales Diagnostic Sheet



MAS002589

(BOL 21-09)

From: Aftersales – TSO
To: Maserati Network
Auburn Hills, MI.
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Hood locks checklist

Section: 09.23 - 1 FRONT LID OPENING BUTTON

Models: M157/M161/M156 - MY21

Issue: Open hood warning on IPC and Stop & Start unavailable

DTC in the ECU: The following DTCs may be stored in the ECM:

- 152F00 - Engine Hood Switch 2 / Engine Hood Switch 1 Correlation
- 05BD00 - Stop-Start Mode Switch Range/Performance

Cause: From the analysis performed on the returned components, a problem with the soldering of the internal circuit wiring of the lock was identified.

Solution: If a Customer complains about this specific anomaly:
open a BOL as factory information by attaching the below checklist completely filled in. The solution to this anomaly was introduced in production in March 2021 through the certification of the soldering process performed by the supplier.

Note:

- For M156 there is only one hood lock.

CHECKLIST

- a) Attach a photo of the open hood warning light on the IPC as in Figure 1 to the BOL.



Figure 1

- b) Attach the DTC and parameters report of the car in pdf format to the BOL.
- c) With open hood lock(s), measure their internal resistance as shown in figure 2. (open lock -> expected value between 494 and 504 Ohm).



Figure 2

Left lock resistance value (Ω)	Right lock resistance value (Ω)
Lock resistance value for M156 (Ω)	

- d) With closed hood locks, measure their internal resistance as shown in figure 3 (closed lock -> expected value between 988 and 1008 Ohm).



Figure 3

Left lock resistance value (Ω)	Right lock resistance value (Ω)
Lock resistance value for M156 (Ω)	

- e) If the resistance values are not correct, the locks must be replaced.
- f) With defective locks removed from the vehicle, verify if the internal resistance values in open and closed positions comply with the specifications indicated above.

Close lock resistance value (Ω)	Open lock resistance value (Ω)

- g) Attach to the BOL photos of the lock's ID data as shown below in figure 4.



Figure 4