

PERSONAL SERVICE LAB

MASTERS OF CARE

Rapid Update 648

Maserati Ghibli, Quattroporte and Levante – High pressure fuel pump connector Check



DATE: OCTOBER 11 2023

Certain Maserati Ghibli (M157), Levante (M161), and Quattroporte (M156) MY22 MY23 listed in MODISCS+ are involved in a Rapid Update for checking the high-pressure fuel pump connector female pin tension.

In a limited batch of vehicles, there is a potential issue with the female pins inside the harness side high-pressure pump connector. This problem arises from a deviation that occurred during the production process, leading to inadequate tension on the male pins. The procedure involves checking the tension of both female pins by using a dedicated, specially designed tool. This tool is inserted into both female pins of the connector to verify the correct holding force.

We remind you that all Rapid Updates must be performed the first time the vehicle enters the workshop, regardless of the Mandatory setting set in Modis, as required by Maserati policies.

Likewise, for cars in Stock Dealer/PDI, it is necessary to carry out all campaign operations before delivery to the final Customer, as prescribed by the White Book and explicitly reported in the Pre-delivery checklist.

Please read and review this bulletin first before ordering parts and/or starting the procedure.

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

Thank You for your continued support and cooperation.

Maserati Americas
Aftersales Dept.

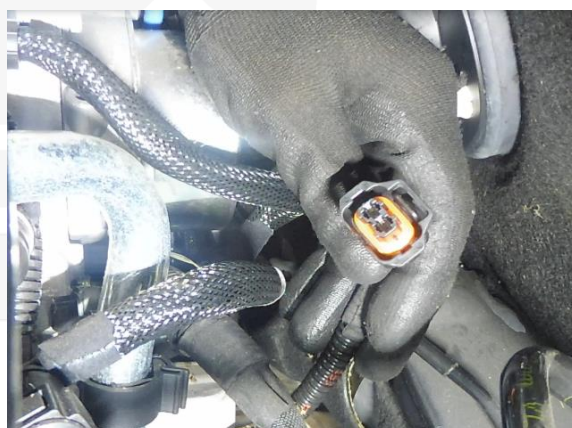
Technical Procedure



All images shown in this bulletin are for illustrative purposes only

Important! Use only the feeler (pin tension tool) outlined in this bulletin as it is designed to simulate the male pin dimensions of the High-pressure pump. It is necessary to check both female pins inside the harness side connector.

1. Always check ModisCS+ to see if the vehicle is involved in this action and if it has not been previously performed.
2. Disconnect the 12V battery by following the procedure in the workshop manual:
08.20.001 - BATTERY - Connection-disconnection of power supply.
3. Locate the High-pressure pump connector. If needed, the workshop manual can be used as a reference for location ► **01.90.013 - CPL. ENGINE INJECTION CABLES - Removal-Refitting or Replacement. (Steps 21 through 24 depending on the vehicle.)**



4. Insert the feeler (pin tension tool) in one of the two female pins of the connector.

NOTE: The tool is designed to have the same dimensional characteristics as the male pins on the pump.

5. With the tool inserted, perform a wiggle test on the connector (simulating vehicle vibration) to ensure there is no looseness in the female pin. Observe the tool and check if it comes out partially or entirely.



6. Perform the same procedure on the adjacent female pin inside the connector. (perform the test on **both** female pins)

7. TEST RESULTS:

- **OK ►** The pin tension tool remains well anchored inside both female pins. The pins are OK. No further steps are required at this point. Re-install all the removed parts following the procedure in reverse order and release the vehicle.
- **NOT OK ►** The pin tension tool comes out partially or entirely and is not well anchored inside one or both female pins. At this point, the connector needs to be replaced. Continue to **step 8**.

8. Replace the connector following the procedure indicated in the bulletin **MAS000766**. (For details, please refer to TechDOC procedure **0.30.005 - CONNECTORS REPAIR - REPLACEMENT – Warnings**). the kit to be used for replacing the wiring, refer to the equipment list described in bulletin **MAS000766**.



Note: Be sure to use adequate heat protection while soldering the wires together.

9. Perform a functional check to verify that the system is functioning correctly.
10. Re-install all the removed parts following the procedure in reverse order.
11. Procedure complete.

Spare Parts

In case of **NOT OK** ► **replace the connector**. The dedicated pin tension tool kit will be automatically shipped to your dealer. No need to order the kit.

SPARE PARTS	PN
Connector	673015820
Feeler (pin tension tool)	900100002

IMPORTANT: the special tool can be reused for performing this campaign on multiple vehicles. Only one tool can be ordered for each dealer. Reimbursement of the tool will be provided exclusively for the initial warranty claim that you submit. In other words, you will only receive reimbursement for your first warranty claim, and subsequent claims will not be eligible for reimbursement.

Warranty claim

Complete your warranty claim as follows:

Description	Code
Rapid Update Number	648
Warranty code	23
Fault code	063
Component Code	1.90.013
Operation Code	
▪ Check	1.90.013.C (1.50 h)
▪ Check + Rework	1.90.013.D (2.00 h)