MAS004653 RU 25-05

RAPID UPDATE
FROM: Maserati TSO
TO: Maserati Network

Maserati
PERSONAL SERVICE LAB
MASTERS OF CARE

TECHNICAL SERVICE OPERATIONS

Rapid Update 770
Grecale Folgore - Additional checks

DATE: March 28, 2025

Certain Maserati GranTurismo (M189) Grecale (M182) MY25 listed in MODISCS+ are involved in a Rapid Update to verify the correct installation of some HW components and improve the driving experience for our Customers.

This Rapid Update communication provides a general update to the MAS004444 RU #770 technical procedure. We are now requesting that the Valve B check be repeated **five times** instead of once. Additionally, an improvement has been implemented on the MD-EVO to make the test cycle easier to perform.

IMPORTANT: Since this is a cycle update, we acknowledge that some vehicles may have already undergone this procedure. All vehicles that have already completed this campaign are considered **completed, and **no further action is required** for them.

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

Also, for vehicles in Stock Dealer / PDI, it is necessary to carry out all action operations before delivery to the end customer, as required 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.

Thank You for your continued support and cooperation.

Maserati North America
Aftersales Dept.

Overview – Autofill requests

Use the Attached VIN list to verify the correct actions to be performed for each VIN.

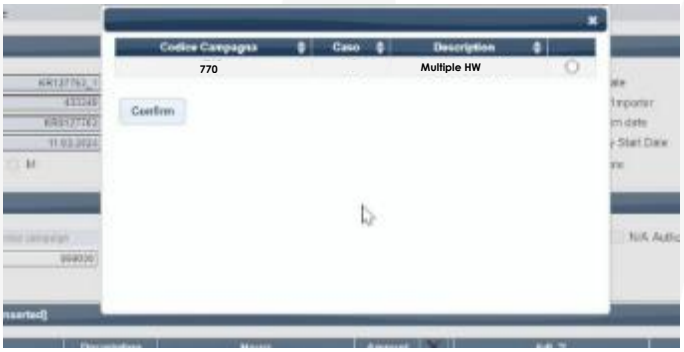
Complete VIN	VIN	Status	Modis Case Label	Description
ZN6AU61B00X444816	444816	95	Operation 13	hock absorber connector
ZN6AU61F1PX443370	443370	95	Operation 13	Shock absorber connector
ZN661YUM5RX443640	443640	94	Operation 10	rmUp Cycle and check shock absorber connector
ZN6ZU61B00X443736	443736	94	Operation 6	Check Compesator and shock absorber
ZN661YUM5RX444884	444884	94	Operation 10	armUp Cycle and check shock absorber connector
ZN661XUM6RX444418	444418	96	Operation 13	Shock absorber connector
ZN6ZU61C00X443705	443705	94	Operati	Check Compesator and shock absorber
ZN661YUM6RX443677	443677	94	Operati	warmUp Cycle and check shock absorber connector
ZN661YUM4RX444861	444861	94	Operation	warmUp Cycle and check shock absorber connector

Modis Case Label for automatic claim compilation

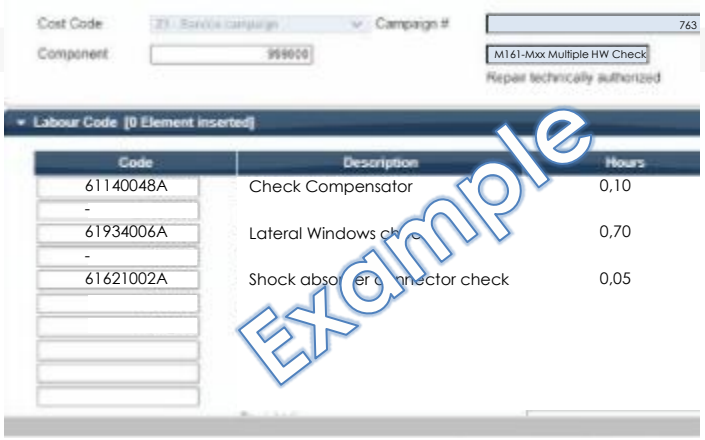
List of activities **to be carried out** for each VIN

Example VIN list

When the SE is opened and the claim for the campaign is created, Modis will automatically recognize the combination of activities assigned to the VIN, automatically proposing the right case choice. Only one case is suggested, avoiding any error.



TIP: It is advisable to open the claim in temporary status, simply confirming the only option that the system will suggest. In this way, it will be very clear to understand the list of activities to be carried out.



WARNING: It is advisable to double-check the VIN list to avoid any error on the updates to be performed. Note that the VIN list shows the same autofill in Modis.

If the request is submitted without any changes, it will be automatically evaluated and approved.

NOTE: The entry of the complaint is a self-declaration that all the forms listed are up to date at the time of closure of the SE.

3-Way Valve Check

This Procedure involves checking the 3-way valves using the MD-evo diagnostic tool to check the status of the valves and avoid a potential noise.

1. Always check ModisCS+ to see if the vehicle is involved in this action and if it has not been previously performed.

2. Before proceeding, please check the following preconditions:
   - A battery maintainer connected to the 12V battery (It is recommended to always use the E-XTEQ MAXIMUS to maintain minimum voltage and current draw requirements)
   - Key ON and Motor OFF
   - The vehicle stopped and SGW unlocked

3. Using MD-EVO, perform the steps listed below to check the functionality of the 3-way valve at both **100%** and ***0%.***

CPV1 – Valve "A"

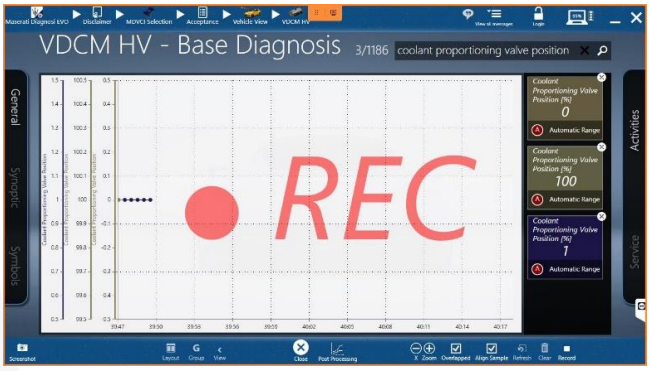
4. Select the " ***VDCM HV – Base Diagnosis*** " screen from the " ***Vehicle View*** " window

5. Enter the word " **Coolant"** in the search field **Proportioning Valve Position** "

6. By using the mouse (or by holding down the single item) activate the window and insert the three required parameters in the display screen.

7. ***Coolant"*** in the display screen. ***Proportioning Valve Position*** " parameters 401C, B614, B616 of each individual valve.

8. At this point select the "Record" button at the bottom right and enter the configuration shown in the following figure and start recording.



9. Select the "Vehicle View" window again to access the Active Diagnostics screen. Here select the " **Propulsion System Coolant Control Valve "A" Return** " command.

10. Enter the value " **100** " in the screen and click on the " ***EXECUTE" button***

11. Wait 20 seconds.
12. **Propulsion System Coolant Control Valve "A" Return "** again and enter the value " **0** " (zero) and click on the " **EXECUTE" button**

13. Wait 20 seconds before proceeding with valve B.

CPV2 – Valve "B"

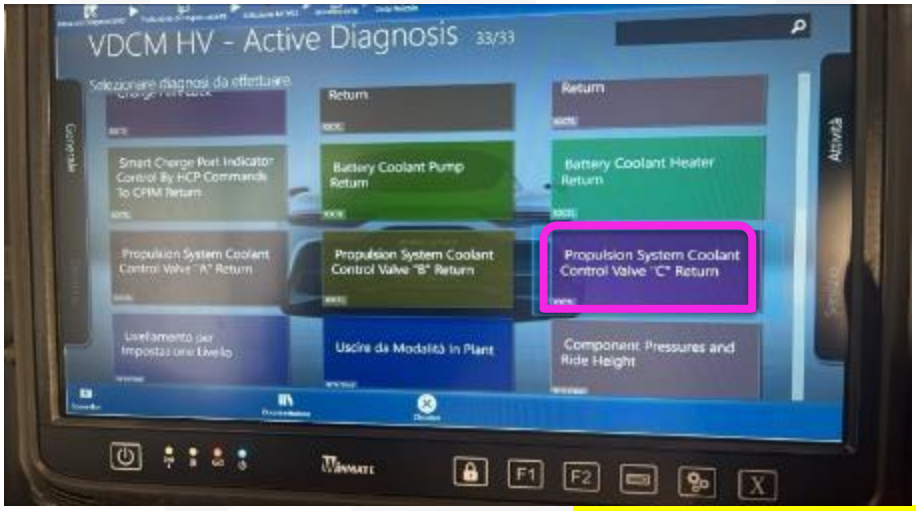
14. Repeat the procedure seen for valve A also for valve B by selecting **Propulsion System Coolant Control Valve "B" Return** ".

15. **Perform the procedure for entering the values 100 and 0 as explained from step 10 to step 13 of this bulletin 5 times , taking care to wait at least 20 seconds between one command and the next.**

16. Wait 20 seconds before proceeding with valve C.

CPV3 – Valve "C"

17. Repeat the same procedure also for valve C by selecting the correct active diagnosis " **Propulsion System Coolant Control Valve C Return** "



18. Perform the procedure for entering the values 100 and 0 as explained from step 10 to step 13 .

19. At this point return to the recording screen and stop recording by clicking the "Record" button again and save the file.

20. Use ***"post processing "*** function (button at the bottom center) to save the recording in PDF format with graph.
21. At the end of the procedure, check whether **any DTCs have been set** on the VDCM control unit on MDEVO.
    - In particular, if **DTC P2941-00 is present,** valve **A must be replaced,** following the instructions in the workshop manual:
      - **1.71.358 3-WAY VALVE FOR WATER RECIRCULATION OF BATTERY CIRCUIT Disconnection-Reconnection or Replacement**
    - If present the **DTC P2945-00** it is necessary to replace valve **B** , following the instructions in the workshop manual:
      - **1.71.357 3-WAY VALVE FOR WATER RETURN TO RADIATOR Disconnection-Reconnection or Replacement**
    - **DTC P2EE3-00** is present it is necessary to replace the valve **C** , following the instructions in the workshop manual:
      - **1.71.359.0 3-WAY VALVE FOR WATER DELIVERY IN THE PASSENGER COMPARTMENT HEATING CIRCUIT SR/Replacement**

    Note: in case of replacement of one of the valves, pay particular attention to the emptying and filling step of the system to ensure that the system is completely clean.

22. Procedure complete.

Spare parts

The expectation of this campaign is not to have any KO from the network.
However, if the check is negative, only the defective component needs to be replaced.
Note: Of the three valves in the catalogue, it is not necessary to replace all the valves, only the defective one.

Spare parts	Q.ty	Pn
THREE-WAY VALVE	1	670179826

Air suspension check

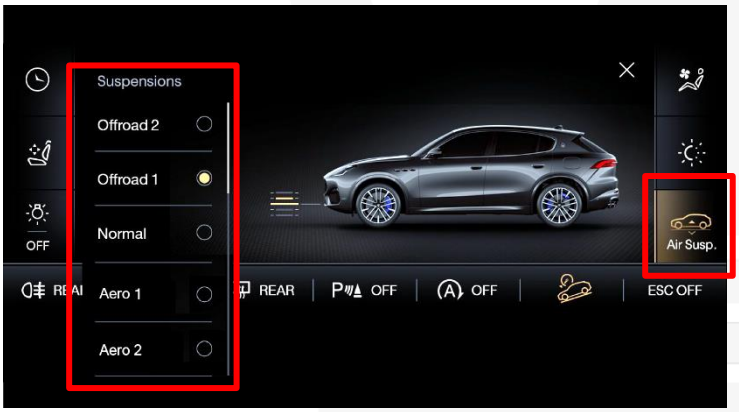
The purpose of this test is to identify any air leaks from the system by performing 5 height adjustment cycles from "Off Road 2" to "Aero 1".

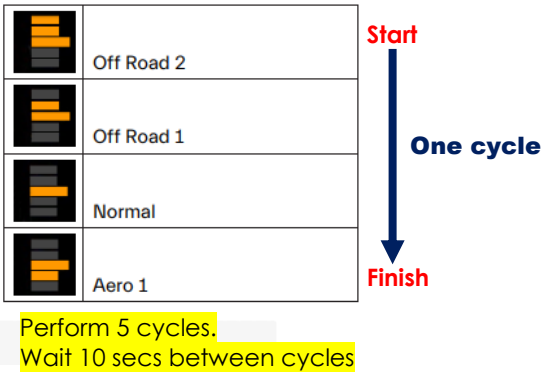
If anomalies are present, the system may discharge and not allow further adjustments.

1. Always check ModisCS+ to see if the vehicle is involved in this action and if it has not been previously performed.

2. Start the Engine and make sure "Comfort" mode is activated via the instrument cluster (IPC) display using the selector located on the steering wheel.

3. Cycle from "Off Road 2" to "Aero 1" position (highest to lowest) 5 (five) times, via the "Suspension" menu" in the MIA. **Wait 10 seconds between cycles to avoid overheating the system.**





Perform 5 cycles.
Wait 10 secs between cycles

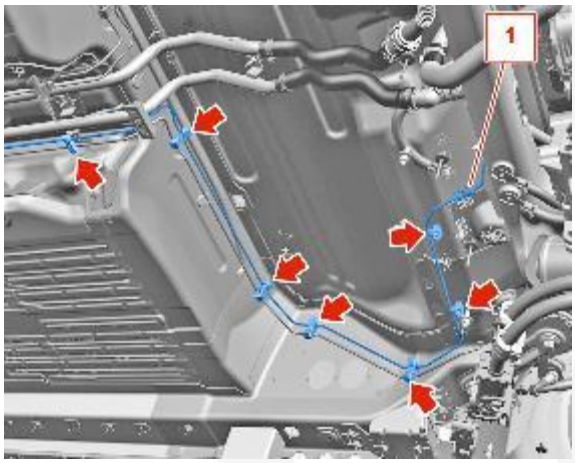
NOTE: If the message "***superheated air suspension* system**" appears on the display, wait until the system has cooled down to proceed with the height change, and continue the test. This message is not indicative of a system malfunction.

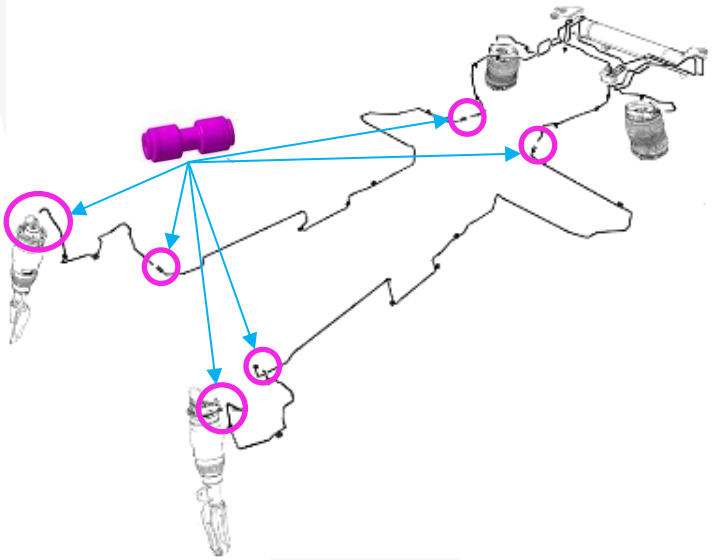
3. **Test result:**
   - **OK** ►Vehicle height adjustment went through all 5 cycle tests without incident and has always allowed the desired height to be reached. The inspection procedure is finished.
   - **NOT OK** ►Air Suspension system failed to set height and or complete all 5 test cycles or a DTC C15A100 – "*Unable to reach desired ride height*" sets. Proceed to the section below (Checking air spring system connections page 9)

Checking air spring system connections

If any fault has been detected in the air spring actuation procedure, both the 4 sections into which the circuit is divided and the connections on the air springs must be checked individually.
Contact Maserati BluOnLine for assistance in sharing the results of the additional check and receive information on how to proceed.

1. Check all the connections (1) between the section of all tubes of the circuit with the gas leak detector liquid or equivalent and check for air leaks.





2. If no leaks are evident, reassemble the disassembled parts following the reverse procedure, no further action is needed.
3. If, on the other hand, air leaks are evident from the areas of the sections, the two components of the section (part with male end and part with female end) of the single offending section must be replaced, following the dedicated workshop procedure.
4. The intervention can be considered complete.

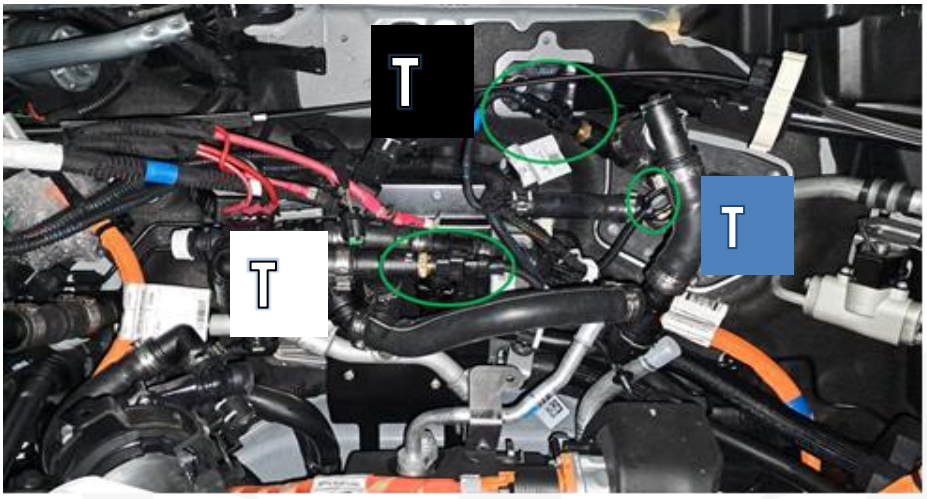
Spare parts

If the check is NOT OK, only the defective component must be replaced, per BluOnLine.
Therefore, please check the spare parts catalog and order the specific PN by VIN.

T4-T5-T6 Temperature Sensor Wiring Verification

This check is to make sure the wiring is connected to the correct sensor. Use the illustration below to verify that the wiring to each of the three Temp sensors is connected to the correct one.

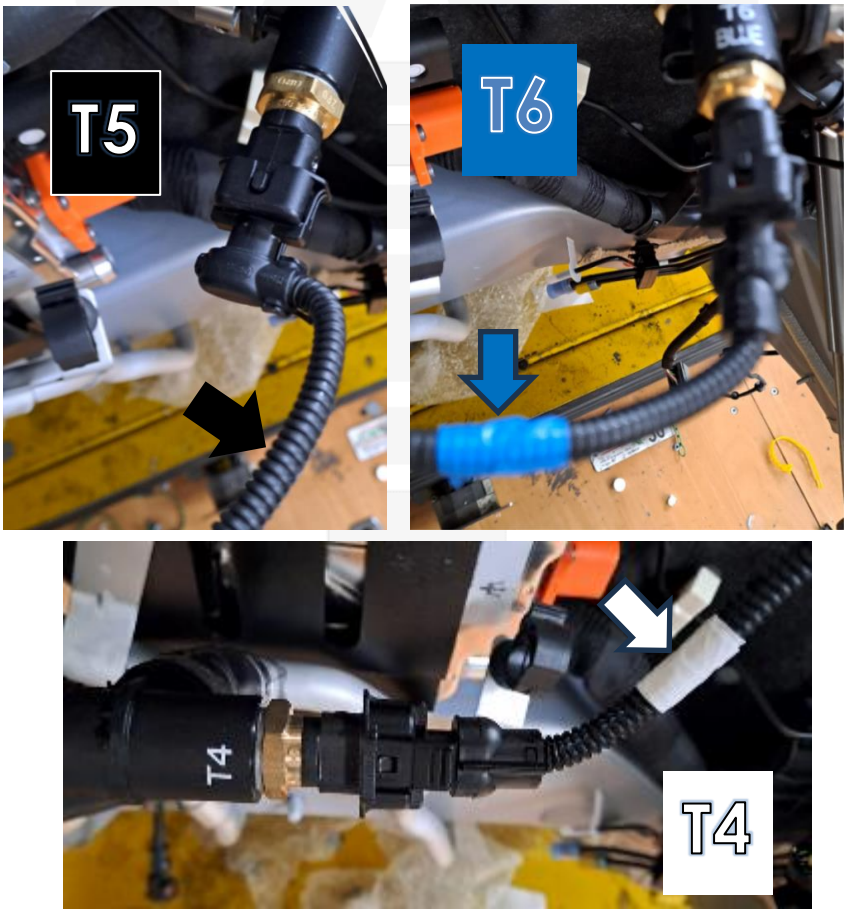
1. Always check ModisCS+ to see if the vehicle is involved in this action and if it has not been previously performed. Open the engine compartment and locate the T4 – T5 and T6 temperature sensors connected to the following components:
   - T4 (white) → SOLENOID VALVE MOTOR HOSE (PN: 670178584)
   - T5 (Black) → HEATER WATER SUPPLY SLEEVE (PN: 670178530)
   - T6 (Blue) →HEATER WATER RETURN SLEEVE (PN: 670178531)



2. Check that each sensor is connected to the correct wiring.

Note: each component indicates the type of sensor mounted and possibly the color of the tape on the wiring to which it is to be coupled. In particular, the **T4** sensor is connected to a connector with a **white** tape while on the **T6** wiring, there is a blue tape and the word "**blue**" on the connector. As for the **T5**, however, this is **black** and must be connected to the **wiring without taping**.

3. If a different situation is found (mismatch of the color of the tape and the indication on the sensor) **the exchange must be carried out and the correct match must be** restored.



Blind Spot BSD mounting check

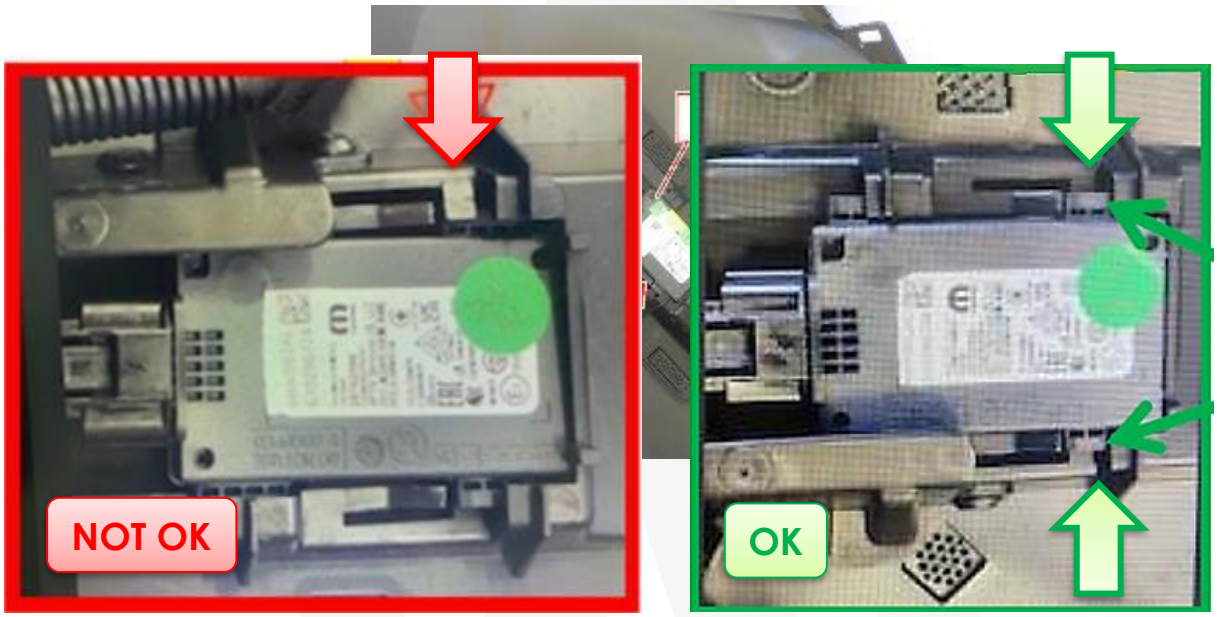
This procedure is to check that both the Left and Right BSD Modules are correctly mounted.

1. Always check ModisCS+ to see if the vehicle is involved in this action and if it has not been previously performed.

2. Proceed to remove the rear bumper to access the blind spot detection sensors, located both on the right and left of the rear bumper. Follow the instructions in the workshop manual.

    - **9.11.001 - COMPLETE REAR BUMPER - Cut-off and reattachment**

3. Locate both the left and right sensors and carefully check that the BSD ECU is correctly mounted/secured, checking both the side and electrical connector are fully seated.



4. Fix the control unit correctly, pushing it gently until you hear the clips click.

5. Restore the disassembled components by following the procedure in reverse order.

6. Procedure complete.

Warranty Claim

Fill out the warranty claim as follows:

Description	Code
Rapid Update Number	770
Warranty Code	23
Fault Code	063
Part Number	9.99.000
Operation code	
Air suspension	
Check	6.24.010.A (0.20 h)
3-way valve	
Check with MD-evo	1.71.359.A (0.30 h)
Rework	1.71.359.0 (0,15 h)
Blind spot sensor	
Control cycle	9.21.081.A (2.20 h)
Rework	9.21.081.B (0.05 h)
Temperature sensors	
Check	1.71.350.A (0.10 h)
Rework	1.71.350.B (0.15 h)

NOTE: The submission of the Warranty Claim is *a self-declaration* that the necessary parts have been replaced/reworked and that all forms have been updated at the time of the closure of the SE.