

**Technical Service Bulletin (TSB)**  
**Flash: Transmission Control Module (TCM) Updates**  
**- P0610 - ECU Vehicle Options Mismatch**

<b>REFERENCE:</b>	<b>TSB:</b> 21-046-24 <b>GROUP:</b> 21 - Transmission and Transfer Case	<b>Date:</b>	July 25, 2024	<b>REVISION:</b>	-
<b>VEHICLES AFFECTED:</b>	<b>2024 (GC) Alfa Romeo Tonale</b> This bulletin applies to vehicles built on or before April 17, 2024 (MDH 0417XX) equipped with a 1.3L I4 Turbo PHEV Engine (Sales Code EYG).	<b>MARKET APPLICABILITY:</b>			
		<input checked="" type="checkbox"/> NA <input type="checkbox"/> MEA <input type="checkbox"/> SA <input type="checkbox"/> IAP <input type="checkbox"/> EE <input type="checkbox"/> CH			
<b>CUSTOMER SYMPTOM:</b>	<p>Technicians must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set the following Diagnostic Trouble Code (DTC):</p> <ul style="list-style-type: none"> <li>P0610 - ECU Vehicle Options Mismatch.</li> </ul> <p><b>NOTE:</b> After performing a BCM reset and proxi alignment of all modules, the check engine light will be on with this DTC.</p>				
<b>CAUSE:</b>	TCM software				

**REPAIR SUMMARY:**

This bulletin involves reprogramming the TCM with the latest available software.

**CLAIMS DATA:**

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-05-16	Module, Transmission Control (TCM) - Reprogram (0 - Introduction)	2 - Automatic Transmission	0.4 Hrs.
Failure Code	CC	Customer Concern	

**The dealer must use failure code CC with this Technical Service Bulletin.**

- If the customer's concern matches the SYMPTOM identified in the Technical Service Bulletin, failure code CC is to be used.
- When utilizing this failure code, the 3C's (customer's concern, cause and correction) must be provided for processing Technical Service Bulletin flash/reprogramming conditions.

## DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerCONNECT/ Service Library, verify all related systems are functioning as designed. If DTCs or symptom conditions, other than the ones listed above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes any of the symptoms listed above in the customer symptom section, perform the Repair Procedure.

## SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	–	–

## REPAIR PROCEDURE:

**NOTE: Install a battery charger to ensure battery voltage does not drop below 13.2 volts. Do not allow the charging voltage to climb above 13.5 volts during the flash process.**

**NOTE: If this flash process is interrupted/aborted, the flash should be restarted.**

### WARNING!!

**The vehicle must not be connected to a high voltage charger when performing software updates.**

### CAUTION!!

**Removal of the Brake Booster Vacuum Pump is necessary for this Repair Procedure. Failure to remove the 30 Amp fuse may result in damage to the Brake Booster Vacuum Pump.**

1. Remove the 30 Amp fuse for the Brake Booster Vacuum Pump from the Power Distribution Center (PDC) located in the engine compartment.
2. Reprogram the TCM with the latest available software. If issues arise when flashing a module using the wiTECH Diagnostic Application, please submit a ticket to the Helpdesk. The helpdesk can be found within the Help menu.
3. Install the 30 Amp Brake Booster Vacuum Pump fuse.
4. Clear all DTCs that may have been set in any module due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.
5. Using wiTECH, perform a "Proxi Configuration Alignment" under "BCM" and "Miscellaneous Functions".

## POLICY:

Reimbursable within the provisions of the warranty.

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