

<b>REFERENCE:</b>	<b>TSB:</b> 18-054-24 <b>GROUP:</b> 18 - Vehicle Performance	<b>Date:</b>	June 4, 2024	<b>REVISION:</b>	–
<b>VEHICLES AFFECTED:</b>	<b>2024 (GC) Alfa Romeo Tonale</b> This bulletin applies to vehicles built on or before May 07, 2024 (MDH 0507XX) 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>	Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find the following Diagnostic Trouble Code (DTC) has been set: <ul style="list-style-type: none"> <li>• P219A - Bank 1 Air-Fuel Ratio Imbalance.</li> </ul>				
<b>CAUSE:</b>	PCM software				

**REPAIR SUMMARY:**

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

**CLAIMS DATA:**

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-06-HP	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	1 - Engine Repair And Performance	0.2 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.

### CAUTION!!

**Removal of fuse F81 is necessary for this Repair Procedure. Failure to remove fuse F81 may result in damage to the Brake Booster Vacuum Pump.**

1. Remove the green 30 Amp fuse from cavity F81, for the Brake Booster Vacuum Pump from the Power Distribution Center (PDC) located in the engine compartment.
2. Reprogram the PCM with the latest available software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
3. Install fuse to cavity F81.
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.

## POLICY:

Reimbursable within the provisions of the warranty.

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