

Technical Service Bulletin (TSB)

Flash: Powertrain Control Module (PCM) Updates

REFERENCE:	TSB: 18-004-25 GROUP: 18 - Vehicle Performance	Date:	February 8, 2025	REVISION:	—
VEHICLES AFFECTED:	2023 (GA) Alfa Romeo Giulia This bulletin applies to vehicles equipped with the 2.9L V6 Twin Turbo PDI Engine (Sales Code EEC).			MARKET APPLICABILITY: ☒ NA☐ MEA ☐ SA☐ IAP ☐ EE☐ CH	
CUSTOMER SYMPTOM:	Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit the following Diagnostic Trouble Code (DTC): - P0606 - Control Module Processor. Customers may also experience the following: - Vehicle goes into limp-in mode.				
CAUSE:	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-BQ	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	1 - Engine Repair and Performance	0.7 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 a symptom/condition or if the technician finds a DTC listed above, perform the Repair Procedure.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	—	—

REPAIR PROCEDURE:

NOTE: This vehicle has two ECMs (Primary and Secondary). Both must be updated to the latest available software. The Primary ECM must be programmed first then the Secondary ECM2 (both known as PCMs).

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.

1. Reprogram the PCM (Primary) with the latest 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.
2. Reprogram the PCM (Secondary) with the latest 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. Perform the "Control unit reprogramming" routine in wiTECH located in the ECM "Misc. Functions" menu tab.
4. Perform the "Control unit reprogramming" routine in wiTECH located in the ECM2 "Misc. Functions" menu tab.

NOTE: Before performing the next two steps, the ignition must be in the on position, engine off and engine temperature must be above 80 °C (176 °F).

5. Perform the "Oil level sensor replacement" routine in wiTECH located in the ECM2 "Misc. Functions" menu tab.
6. Clear any DTCs that may have been set in any modules 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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