

Technical Service Bulletin (TSB)

Flash: Powertrain Control Module (PCM) Updates

REFERENCE:	TSB: 18-016-25 GROUP: 18 - Vehicle Performance	Date:	March 12, 2025	REVISION:	18-061-19
VEHICLES AFFECTED:	2019 (GA) Alfa Romeo Giulia This bulletin applies to vehicles built on or before May 06, 2019 (MDH 0506XX) equipped with the 2.9L 505HP V6 Twin-Turbo Engine (Sales Code EED).			MARKET APPLICABILITY: ☒ NA ☐ SA ☐ EE ☐ MEA ☐ IAP ☐ CH	
CUSTOMER SYMPTOM:	Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set one or more of the following Diagnostic Trouble Codes (DTCs): • **P0072-00 - Ambient Air Temperature Sensor Circuit Low. • P0073-00 - Ambient Air Temperature Sensor Circuit High. • P00B2-00 - Radiator Coolant Temperature Sensor Circuit Range-performance. • P0607-00 - Control Module Performance. • P02CD-00 - Cylinder 1 Fuel Injector Offset Learning At Max Limit. • P02CF-00 - Cylinder 2 Fuel Injector Offset Learning At Max Limit. • P02D1-00 - Cylinder 3 Fuel Injector Offset Learning At Max Limit. • P02D3-00 - Cylinder 4 Fuel Injector Offset Learning At Max Limit. • P02D5-00 - Cylinder 5 Fuel Injector Offset Learning At Max Limit. • P02D7-00 - Cylinder 6 Fuel Injector Offset Learning At Max Limit. • P02CC-00 - Cylinder 1 Fuel Injector Offset Learning At Min Limit. • P02CE-00 - Cylinder 2 Fuel Injector Offset Learning At Min Limit. • P02D0-00 - Cylinder 3 Fuel Injector Offset Learning At Min Limit. • P02D2-00 - Cylinder 4 Fuel Injector Offset Learning At Min Limit. • P02D4-00 - Cylinder 5 Fuel Injector Offset Learning At Min Limit. • P02D6-00 - Cylinder 6 Fuel Injector Offset Learning At Min Limit.** • P032D-00 - Knock Sensor 3 Circuit High. • P008A-00 - Low Pressure Fuel System Pressure - Too Low. • P034C-00 - ION Sense System Performance. **The customer may also experience the following: • Vehicle is in limp mode.**				
CAUSE:	PCM software				

This bulletin supersedes Technical Service Bulletin (TSB) 18-061-19, date of issue July 31, 2019, which should be removed from your files. All revisions are highlighted with **asterisks**** and include new DTCs, new Customer Symptom and new LOP.**

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(s), Engine Control (ECM) - Reprogram (ECM & ECM2) (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 ECM (Primary) with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
2. Reprogram the ECM2 (Secondary) with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
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 key 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 in wiTECH located in the ECM2 “Misc. Functions” menu tab.
6. 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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