



NUMBER: 18-069-22 REV. B

GROUP: 18 - Vehicle Performance

DATE: May 14, 2022

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This bulletin supersedes Technical Service Bulletin (TSB) 18-069-22 REV. A, date of issue April 08, 2022, which should be removed from your files. All revisions are highlighted with **asterisks**** and include update build date, repair procedure and LOPs.**

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 22-067, date of issue April 02, 2022. All applicable Sold and Un-Sold RSU VINs have been loaded. To verify this RSU service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty. This RSU will expire 18 months after the date of issue.

SUBJECT:

Flash: Powertrain Control Module (PCM) Updates

OVERVIEW:

This bulletin involves reprogramming the Engine Control Module (ECM), also known as a PCM with the latest available software.

MODELS:

2022 (GU) Alfa Romeo Stelvio

NOTE: This bulletin applies to vehicles within the following markets/countries: North America.

NOTE: This bulletin applies to vehicles built on or after November 30, 2021 (MDH 1130XX) and built on or before **April 13, 2022 (MDH 0413XX)**** equipped with a 2.0L 280HP I4 DI Turbo Engine (Sales Code EC2).**

SYMPTOM/CONDITION:

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:

- P2AC0-00 - Intake Air O2 Sensor Reference Voltage Circuit Range/Performance Bank 1.

DIAGNOSIS:

Using a Scan Tool (wiTECH 2) with the appropriate Diagnostic Procedures available in DealerCONNECT/Service Library, verify all related systems are functioning as designed. If any 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 a customer's VIN is listed in VIP or your RSU VIN list, perform the repair. **This RSU is only for vehicles on the RSU VIN list.**

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.

1. **Reprogram the ECM with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.

NOTE: If the phonic wheel replacement procedure is not done correctly, DTC P1300 - Flywheel Self Learning, will stay active.

2. Using wiTECH 2, perform a Body Control Module (BCM) "Proxi Alignment." The procedure is located in BCM under misc. functions.
3. Using wiTECH 2, go into the ECM Misc. Functions tab and perform the "Phonic Wheel Replacement" routine.
4. Fully press the accelerator pedal (bring RPM up to limitation), then release up to idle three times. If the procedure was performed properly the MIL lamp will stop blinking.
5. 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.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-06-G7	Module, Engine Control (ECM) - Inspect, Reprogram and Perform Routines (0 - Introduction)	1 - Engine Repair and Performance	0.4 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 9 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

The dealer must choose which failure code to use depending on if this is a Rapid Service Update (RSU) or Technical Service Bulletin.

- The "RF" failure code is required for essential module flash/reprogramming and can only be used after confirmation that the VIN is included on the RSU.
- The failure code "RF" (Required Flash) can no longer be used on Technical Service Bulletin flashes. **The "RF" failure code must be used on a RSU.**
- If the customer's concern matches the SYMPTOM/CONDITION identified in the Technical Service Bulletin, failure code CC is to be used. When utilizing this failure code, the 3C's must be supplied.

RF	Required Flash - RSU
CC	Customer Concern