

Technical Service Bulletin (TSB)

Flash: Transmission Control Module (TCM) Updates

REFERENCE:	TSB: 21-009-23 GROUP 21 - Transmission and Transfer Case	Date:	April 14, 2023	REVISION:	21-022-22
VEHICLES AFFECTED:	2022 (GU) Alfa Romeo Stelvio This bulletin applies to vehicles equipped with a 2.9L V6 Twin-Turbo PDI Engine W/ESS (Sales Code EEC) with an 8-Speed Automatic 8HP75 Transmission (Sales Code DFV).			MARKET APPLICABILITY: ☒ NA ☐ MEA ☒ SA ☐ IAP ☐ EE ☐ CH	
CUSTOMER SYMPTOM:	**Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find the following Diagnostic Trouble Codes (DTCs) have been set: • P043E-00 - EVAP System Leak Detection Reference Orifice Low Flow. • P2C33-00 - Crankcase Pressure Sensor B Circuit Range/Performance. • P2C91 - Crankcase Ventilation System - Hose "B" Disconnected. • P00B2-00 - Radiator Coolant Temperature Sensor Circuit Range-Performance. • P304A-00 - Fuel Rail Pressure Sensor 1 - Out Of Range High. • P304E-00 - Fuel Rail Pressure Sensor 2-Out Of Range High. • P02D2-00 - Cylinder 4 Fuel Injector "A" Offset Learning At Min Limit. • P0607-00 - Control Module Performance. • P0072-00 - Ambient Air Temperature Sensor Circuit Low. • P0073-00 - Ambient Air Temperature Sensor Circuit High.** Some customers may experience the following: • Harsh or erratic shifting between any gear.				
CAUSE:	TCM Software				

This bulletin supersedes Technical Service Bulletin 21-006-22, date of issue March 22, 2022, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include additional Diagnostic Trouble Codes (DTCs), notes, steps and LOP.

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 22-058, date of issue March 22, 2022. All applicable RSU VINs have been loaded. To verify this RSU service action is applicable to the Un-Sold vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. This RSU will expire 18 months after the date of issue.

REPAIR SUMMARY:

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

NOTE: **Additional module flash is required for this update to be effective, the following module is to be updated along with this TCM update:

- Powertrain Control Module (PCM).**

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-05-QW	Module, Transmission Control (TCM) - Inspect (0 - Introduction)	2 - Automatic Transmission	0.2 Hrs.
18-19-05-RW	Module, Transmission Control (TCM) - Inspect and Reprogram (0 - Introduction)	2 - Automatic Transmission	0.2 Hrs.
Failure code	RF	Required Flash - RSU	
	CC	Customer Concern	

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 an 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.

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 one 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. If any vehicle not on the VIN list exhibits 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.

NOTE: **The PCM must be updated to the latest available software at the conclusion of this repair procedure. Refer to all applicable published technical service bulletins for detailed repair procedures and labor times regarding updating the PCM software.

CAUTION! Failure to update the PCM module following an TCM software update may result in vehicle malfunctions.**

1. Is the vehicle on the RSU VIN list?
 - YES>>> Proceed to [Step 2](#).
 - NO>>> Proceed to [Step 3](#).
2. Does the TCM control module have the latest software already installed?
 - YES>>> This bulletin has been completed. Use inspect LOP (18-19-05-QW) to close the active RSU, proceed to [Step 4](#).

- NO>>> Proceed to [Step 3](#).
3. Reprogram the TCM 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.
 4. **Verify the PCM is also programmed with the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the PCM software.**
 5. 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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