



NUMBER: 18-017-21

GROUP: 18 - Vehicle Performance

DATE: February 9, 2021

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SUBJECT:

Flash: Powertrain Control Module (PCM) Updates

OVERVIEW:

This bulletin involves reprogramming the PCM with the latest available software and replacing the oil vapor recovery tube.

MODELS:

2018 (GU) Alfa Romeo Stelvio

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

NOTE: This bulletin applies to vehicles equipped with 2.9L 505HP V6 Twin-Turbo Engine (Sales Code EED).

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that one or more of the following Diagnostic Trouble Codes (DTCs) have been set:

- P032D-00 - Knock Sensor 3 Circuit High.
- P008A-00 - Low Pressure Fuel System Pressure - Too Low.
- P034C-00 - Ion Sense System Performance.
- P051B-00 - Crankcase Pressure Sensor Circuit Range/Performance.

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 Diagnostic Trouble Codes (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 the symptom/condition listed above or if the technician finds the DTC, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
1	K68499935AA	Blowby Tube
1	K68393276AA	Connector Cap

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. Replace the oil vapor recovery tube. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info 25 - Emissions Control / Evaporative Emissions / System, Closed Crankcase Ventilation (CCV) / Removal and Installation.

NOTE: The new oil vapor recovery tube does not come equipped with an electrical sensor/solenoid like the original.

2. Remove the oil vapor heater wire harness connector and cap off with the parts included in the kit. Install the connector cover on the body side harness.
3. 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.
4. 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.
5. Perform the control unit reprogramming routine in wiTECH located in the ECM "Misc. Functions" menu tab.
6. 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).

7. Perform the oil level sensor replacement in wiTECH located in the ECM2 "Misc. Functions" menu tab.
8. 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.

NOTE: If the vehicle is equipped with Tow Hook, it will need to be Initialized. Press the button on the right luggage compartment trim for at least 10 seconds. The LED will turn on continuously to confirm that the initialization has taken place

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-06-EA	Module, Powertrain Control (PCM) - Reprogram and Replace Oil Vapor Recovery Tube (0 - Introduction)	1 - Engine Repair and Performance	0.7 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 8 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

The dealer must use failure code CC with this Service Bulletin.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the 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 Service Bulletin flash/reprogramming conditions.

CC	Customer Concern
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