SERVICE BULLETIN

NUMBER: 18-025-17

GROUP: Vehicle Performance

DATE: March 03, 2017

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.

THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 17-020. ALL APPLICABLE SOLD AND UN-SOLD RRT VIN's HAVE BEEN LOADED. TO VERIFY THAT THIS RRT SERVICE ACTION IS APPLICABLE TO THE VEHICLE, USE VIP OR PERFORM A VIN SEARCH IN TECHCONNECT. ALL REPAIRS ARE REIMBURSABLE WITHIN THE PROVISIONS OF WARRANTY.

FOR HELP WITH USING wiTECH FOR ECU FLASH REPROGRAMMING, CLICK ON THE APPLICATION'S "HELP" TAB.

THE wiTECH SOFTWARE IS REQUIRED TO BE AT THE LATEST RELEASE BEFORE PERFORMING THIS PROCEDURE.

SUBJECT:
Flash: Powertrain Diagnostic and System Improvements

OVERVIEW:
This bulletin involves reprogramming both Engine Control Modules primary (ECM) and secondary (ECM2) also known as Powertrain Control Module (PCM) with the latest available software.

MODELS:

2017	(GA)	Alfa Romeo Giulia

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

NOTE: This bulletin applies to vehicles built on or before January 30, 2017 (MDH 0130XX) equipped with 2.9L 505HP V6 Bi-Turbo Engine (Sales Code EED).

SYMPTOM/CONDITION:
Some customers may experience a Malfunction Indicator Lamp (MIL) illumination after a remote start operation. Upon further investigation, a technician may find the following Diagnostic Trouble Code: (DTC) P0513-00 - Invalid Skim Key.

DIAGNOSIS:
Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. If any DTCs or symptom conditions, other than the one listed above is present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If a customer describes the symptom/condition listed above or if the technician finds DTCs, perform the Repair Procedure.

REPAIR PROCEDURE:

NOTE: This vehicle has two ECMs, primary and secondary and they both must be updated to the latest available software. Primary ECM must be programmed first then the secondary ECM2 (also known as PCM).

NOTE: The Transmission Control Module (TCM) must also be updated to the latest available software at the conclusion of this 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. Check for the vehicle having the latest ECM, ECM2 and TCM software level.
2. Has the vehicle been previously flashed with the latest software level?
   a. YES>>>This bulletin has been completed, use LOP (18-19-17-9Q) to close the active RRT.
   b. NO>>> Proceed to Step #3.
3. 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.
4. Perform the control unit reprogramming routine in wiTECH located in the ECM "Misc. Functions" menu tab.
5. Reprogram the ECM2 with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
6. Perform the control unit reprogramming routine in wiTECH located in the ECM2 "Misc. Functions" menu tab
7. Perform the oil level sensor configuration routine 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.
9. Reprogram the TCM with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
10. 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
18-19-17-9Q	Modules, Engine Control (ECM,ECM2) and Transmission Control (TCM) - Inspect (0 - Introduction)	1- Engine Repair and Performance	0.2 Hrs.
18-19-17-9R	Module, Engine Control (ECM) - Reprogram Both Primary ECM And Secondary ECM2 and Transmission Control (TCM) (0 - Introduction)	1- Engine Repair and Performance	0.6 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 7 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. If the customer came in with an issue and if the dealer finds a software update to correct that issue, use failure code CC, for all other use failure code RF.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- If an available flash is completed while addressing a different customer concern, failure code RF is to be used.

CC	Customer Concern
RF	Routine Flash