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## ALFA GIULIA AND STELVIO - BODY COMPUTER (BCM) - Incorrect fuel level indication

### Service Solution

### APPLICABILITY

All engine versions of the Alfa Giulia and Stelvio, MY20 and later.

### CLAIMED FAULT

The customer complains about an imprecise fuel level indication on the instrument panel.

In particular, it is possible that after refueling, the fuel level on the instrument panel may not update or the customer may notice an inconsistency between the fuel level displayed on the instrument panel and the liters added when refueling.

### TECHNICAL CAUSE

Software parameters not ideal.

### NETWORK INTERVENTIONS

#### Standards of conduct of the Dealership towards the Customer


- Once the customer's claimed fault is confirmed, reassure the customer that it will be solved by reprogramming the Body Computer.
- After completing the operation, illustrate what has been done and ensure that the Customer is satisfied.

### Service Solution


Once the claimed fault is confirmed, flash the Body Computer (BCM) according to the Operating Cycle below.

### OPERATING CYCLE

- Connect the diagnostic tool updated to the latest software release.

 *Read all the instructions and warning messages displayed during reprogramming; do not continue with the following messages without performing all of the relevant procedures when prompted.*

- Perform a Scan Report and save a copy for any further investigation.
- Flash the Body Computer (BCM).

 *The vehicle battery must be in full charge conditions or supported by a battery charger/booster battery so as to ensure a rated voltage of 12V during reprogramming.*

 *If the flashing process is interrupted/aborted, it must be restarted.*

- Reset all errors (DTCs) generated in other modules as a result of reprogramming. After reprogramming, all DTCs will be displayed automatically so that they can be reset.
- Once the work is completed, perform a Scan Report and save a copy for any further investigation before disconnecting the diagnosis equipment.

## CONTROL MODULE CODES

The following table shows the hardware (HW) and software (SW) codes, before and after flashing.

### Giulia

Before programming, the control module must have the following data			
HW number	HW version	SW number	SW version
BCMARM_D01	01	04441662002	3104
BCMARM_D01	01	04441662005	3206
BCMARM_D01	01	04441662007	3210
BCMARM_D01	01	04441662008	3212
BCMARM_D01	01	04441662009	3214
BCMARM_D01	01	04441662010	3216
BCMARM_D01	01	04441662011	3218
After programming, the control module will have the following data			
HW number	HW version	SW number	SW version
BCMARM_D01	01	04441662012	3220

### Stelvio

Before programming, the control module must have the following data			
HW number	HW version	SW number	SW version
BCMARM_D01	01	04441662002	3104
BCMARM_D01	01	04441662005	3206
BCMARM_D01	01	04441662007	3210
BCMARM_D01	01	04441662008	3212
BCMARM_D01	01	04441662009	3214
BCMARM_D01	01	04441662010	3216
BCMARM_D01	01	04441662011	3218
After programming, the control module will have the following data			
HW number	HW version	SW number	SW version



BCMARMM_D01	01	04441662012	3220
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## CLAIM FORM DATA

Version	Operation	Part	Fault	Position	Time allowance
All models in question	5505236	1	RA	-	0.30