



PERSONAL SERVICE LAB

MASTERS OF CARE

# Quattroporte AFLS DTC B2866 B2879

DATE: February 27, 2024

This Technical bulletin serves as a guide and provides additional diagnostic info for possible AFLS related DTCs stored in the AFLS ECU:

- B2866-16 - Left Headlamp Leveling Module-Circuit Voltage Below Threshold
- B2879-16 - Right Headlamp Leveling Module-Circuit Voltage Below Threshold

**MODEL:** Quattroporte (M156) from MY19 onwards

**CUSTOMER CONCERN:** AFLS System message and warning light of the present in the Instrument Panel Cluster (IPC) during engine start up or restart and during start/stop (SS)




**DTCs in ECU:** in AFLS ECU are present the following DTC:







- B2866-16 - Left Headlamp Leveling Module-Circuit Voltage Below Threshold
- B2879-16 - Right Headlamp Leveling Module-Circuit Voltage Below Threshold

**DIAGNOSIS:**

- 1) Perform am complete battery test using the Maserati E-XTEQ MAXIMUS and attach it later to BOL.
- 2) According to the wiring diagram “FE0422 Headlight alignment adjustment” check on the connector (M020) of the AFLS module:
  - Power supply on PINS 3 - 14 and 24;
  - Ground on PINS 10 and 23.




**M020**  
Nodo fari adattativi (AFLS)

1		V	0.35	C CAN H AFLS
3		LR	0.35	Sensor Headlamp Levelling Supply
5		BL	0.35	Headlamp RH Serial Line LIN
10		N	0.35	Sensor Headlamp Levelling Gnd
11		LV	0.35	Sensor Headlamp Levelling Front Axle Sgn
14		HL	0.75	KI15 AFLM
17		MZ	0.35	C CAN L AFLS
19		ZB	0.35	Sensor Headlamp Levelling Rear Axle Sgn
21		BV	0.35	Headlamp LH Serial Line LIN
23		NZ	0.75	AFLS Gnd
24		HL	0.75	KI15 AFLM



**CONCLUSIONS:** if no anomalies are found on the electrical connections, DO NOT REPLACE any components. Open a BOL as “SUPPORT REQUEST” and attach, and report all the information collected throughout all the above checks

TECHNICAL SERVICE OPERATIONS