



SIB 16 03 23

Service Solution: Fuel Pump Faults

2023-08-14

MODEL

All models with the battery management system BMS-MP and BMS-O engine control units are affected (R 1250 GS/GS Adventure, R, RT and the S 1000 RR).

SITUATION

Vehicle goes into emergency operation mode and a warning light illuminates on the instrument cluster.

Fault memory is stored:

1. 0x3A1060 Electric fuel pump low side internal output stage, short circuit to ground.
2. 0x3A1061 Electric fuel pump low side internal output stage, short circuit to UBatt.
3. 0x3A1062 Electric fuel pump low side internal output stage, line drop-off.
4. 0x3A1101 Electric fuel pump component protection safety function, short circuit to ground or undervoltage.
5. 0x3A1102 Electric fuel pump component protection fuse function, overload current.

The Faults are stored, and the emergency operation mode is present due to a parameter setting error in the self-diagnosis of the fuel pump.

During unfavorable combination of engine speed, fuel pump continued operation and self-diagnosis of the fuel pump can, in very rare cases, cause the fuel pump to shut off. The motorcycle then goes into emergency operation mode. The fault is rectified after cycling the ignition off and on again.

PROCEDURE

Although the fault can still be registered sporadically after I-Level K001-19-07-510, measures were incorporated with I-Level to prevent the bike from entering emergency operation mode or have the fault indicator illuminate in the instrument cluster.

If the vehicle is not at this I-Level or higher, then it needs to be updated.

NOTE: Replacing the fuel pump unit does not solve the problem. In the event of a complaint, the customer should be given an update of all control units.

QUESTIONS REGARDING THIS BULLETIN

Technical inquiries	Contact the BMW Technical Support Group via TSARA
Warranty inquiries	Submit an IDS ticket to the Warranty Department
Parts inquiries	Submit an IDS ticket to the Motorrad Parts Department

Supporting Materials

[picture_as_pdf Service Solution - Fuel Pump Faults.pdf](#)

Service Information Bulletin

Fuel Supply

Aug 14, 2023

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**BMW
MOTORRAD**

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