



SIB 61 08 21

2021-07-13

DIAGNOSING SHORT CIRCUIT FAULTS FOR ELECTRONIC THROTTLE

MODEL

E-Series	Model Description
K08	C 400 GT
K09	C 400 X
K21/11, K22/11, K23/11, K33/11	R nine T, Pure, Scrambler, Urban G/S
K34	R 18 and R 18 Classic
K46/13, K67	S 1000 RR
K47/11, K63	S 1000 R
K48, K48/11, K48/12	K 1600 GT/GTL
K49, K69	S 1000 XR
K50 K50/11 K50/12	R 1200 GS, R 1250 GS
K51 K51/11	R 1200 GS Adventure, R 1250 GS Adventure
K52 K52/11	R 1200 RT, R 1250 RT
K53 K53/11	R 1200 R, R 1250 R
K54 K54/11	R 1200 RS, R 1250 RS
K60	HP4 Race
K61	K 1600 B
K66	M 1000 RR
K80	F 750 GS
K81	F 850 GS
K82	F 850 GS Adventure
K83	F 900 R
K84	F 900 XR

SITUATION

When diagnosing fault codes below, technicians erroneously condemn the electronic throttle grip, which analyses show is rarely the culprit.

- 0x3A13D7 throttle grip sensor, short circuit to ground (duct 1)
- 0x3A13D9 throttle grip sensor, short circuit to ground (duct 2)

When either or both of these faults are triggered, the vehicle goes into emergency operation and a fault message appears in the instrument cluster.

These faults are often sporadic or not permanent and a faulty plug connection can often cause this condition.

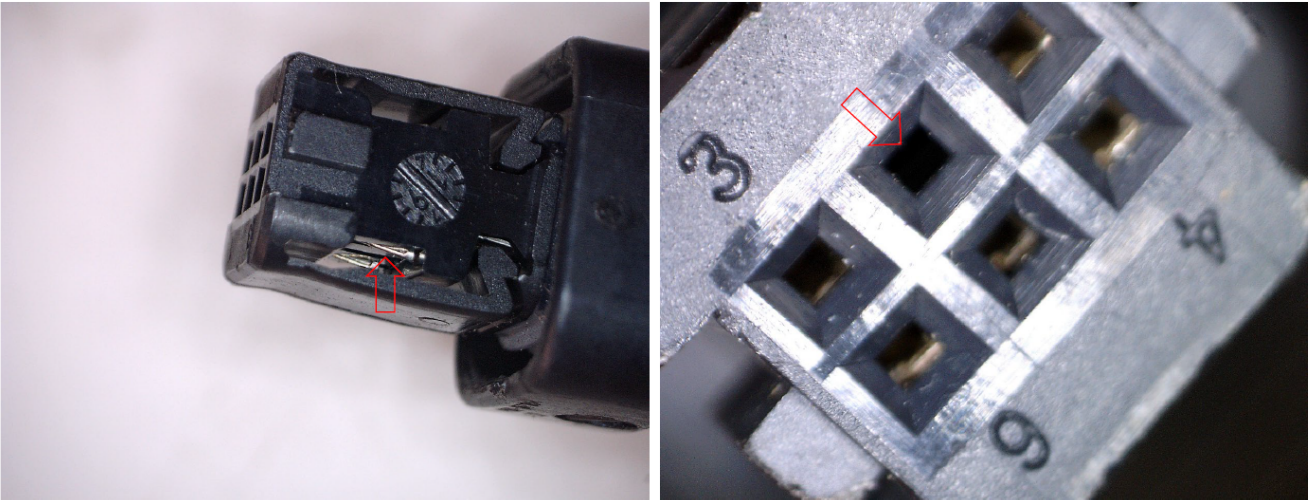
PROCEDURE

When diagnosing the cause of these fault codes, perform a guided diagnosis with ISTA.

During the guided diagnosis, one of the steps is checking the plug connection S177*1B to the electronic throttle; this plug connection should be examined closely.

Below is an example with an incorrectly locked pin (in this example the contact in chamber 2 is not visible).

EXAMPLE: PIN NOT LOCKED



1 30/06/21 VISUAL INSPECTION OF THE THROTTLE GRIP PLUG S177*1B

If a fault is found at the throttle grip connector on the wiring harness side, create a TSARA case (incl. escalation).

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 61 08 21 Short circuit faults for electronic throttle.pdf](#)
- [picture_as_pdf Visual inspection of the throttle grip plug.pdf](#)

Service Information Bulletin

General Electrical Systems

July 13, 2021

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**BMW
MOTORRAD**

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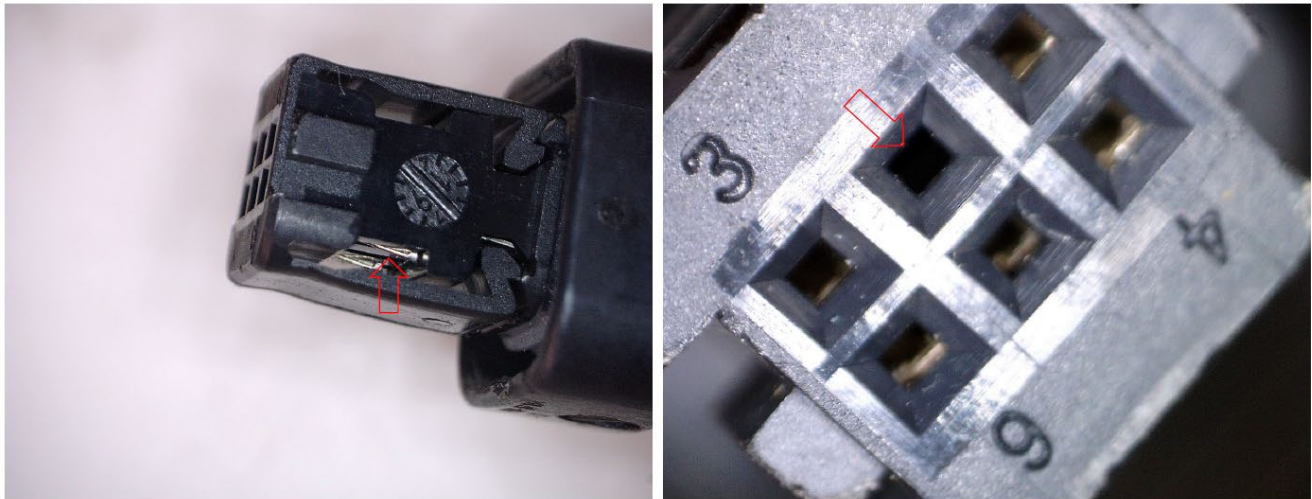
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