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## SME FAULT CODE 21F0D2

### MODEL

I01 94Ah (i3 & i3 REx)
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### SITUATION

The following Check Control message (CCM) was displayed to the customer:

- "Drive. Check as soon as possible" (CCM ID: 49)

### CAUSE

Erroneous fault or hardware defect in the safety box (S-Box).

### CORRECTION

Clear fault memory or diagnose with ISTA.

### PROCEDURE

For conditions that are similar to the situation described:

1. Read out the fault memory of the vehicle with ISTA and check whether the following fault code is stored in the fault memory of the battery management electronics (SME):
  - 21F0D2 - High-voltage battery unit, negative terminal: Switching contactor, contact stuck closed

Note: The following fault code may also be entered:

- 21F153 - High-voltage battery, safety concept 2: Safety circuit to switch off the switch contactors, switch-off detected

#### **Was fault code 21F0D2 stored in the SME memory?**

YES- Go to Step 2.

NO – continue diagnosis with ISTA.

2. Delete the fault memory and allow the vehicle to go to sleep.
3. Read out the fault memory again.

#### **Was the fault code 21F0D2 reentered?**

YES- continue diagnosis with ISTA. In most cases ISTA will recommend an S-Box replacement.

NO - This is an erroneous fault and can be ignored.



**Note:** Work on a solution is currently in progress. When the solution is available, this

service information bulletin will be updated accordingly.

## WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

<b>Defect Code:</b>	<b>6127050200</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 25 910	Refer to KSD2	Recharging high-voltage battery unit (to high voltage charging unit)

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

### Other Repairs

If other work is performed as a result of performing the ISTA diagnostics and related test plans:

- When covered under an applicable limited warranty, claim the control module-related and/or other repair work using the applicable defect code and labor operations in KSD2/AIR.

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