



This Service Information bulletin supersedes SI B12 12 15 **dated March 2015**.

**NEW** designates changes to this revision

#### SUBJECT

**Service Engine Soon (MIL): EME FC CF948C**

#### MODEL

I01 (i3 REx)

#### SITUATION

The Service Engine Soon light (MIL) is intermittently illuminated in the instrument cluster (Kombi). This does not affect drivability, and no symptoms are apparent to the customer.

#### CAUSE

The following fault code is stored in the fault memory of the Electric Machine Electronics (EME):

- CF948C - Message (actual wheel speed, 0x254) missing, receiver EME, transmitter DSC

This fault is stored when the DSC control unit intermittently does not send a particular wheel speed message at the time the EME is expecting to receive it.

#### PROCEDURE

**Only properly trained personnel, who have passed all applicable technical training courses, should perform any maintenance or repairs on any Hybrid or Electric Vehicle. Work performed by unqualified persons may result in severe injury or damage to the vehicle. Additional information may be found in REP 61 00... Observe safety instructions when handling electric vehicles.**

1. Perform a vehicle test using ISTA/D to confirm that FC CF948C is stored in the EME.

If any additional faults believed to be OBD-relevant are stored, and it is not clear which fault triggered the MIL, submit a PuMA case for additional support.

2. Clear the fault memory in the vehicle.
3. Switch off the ignition (KL0), lock the vehicle, and allow it to enter sleep mode.
4. Wake up the vehicle and perform another vehicle test.
  - a. If FC CF948C returns, replace the DSC control unit

**When it becomes available, program the vehicle with ISTA/P 2.57.0 or higher (target i-level 15-11-500), planned for 11/2015.**

NOTE: If the DSC was not replaced and ISTA/P 2.57.0 is not yet available, explain to the customer that a software solution is planned for 11/2015. Until it is available, it is unlikely that this condition will return. It will not affect drivability. If the situation does return, the vehicle should be brought back to the workshop.

#### PARTS INFORMATION

Part number	Description	Quantity
34 52 6 868 706	DSC control unit (up to 7/14)	1 (if required)
34 52 6 870 525	DSC control unit (from 7/14)	1 (if required)

**WARRANTY INFORMATION**

**NEW** Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

<b>Defect Code</b>	<b>34 52 10 14 00</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)
And:		
61 25 910	Refer to KSD2	Recharging high-voltage battery unit (to high-voltage charging unit)
And:		
<b>NEW</b> 61 00 006	3 FRU	Performing procedure steps two through four

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

**NEW** Work time labor operation code 61 00 006 is not considered a Main labor operation. Also, since the “work time” FRU allowance to be claimed is specified, a separate punch time is not required.

And, if necessary:

**Replacing the DSC Control Unit**

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
34 52 516	Refer to KSD2	Removing and installing or replacing DSC control unit (includes bleeding brakes)
And		
61 00 730	Refer to KSD2	Programming/encoding control unit(s)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in

		KSD2 as “Charging battery” (“to EME” for the i3)
Or:		
61 21 529	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as “Charging battery to EME”) (luggage compartment service cap removed)

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

### Sublet – Brake Fluid

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for used quantity required brake fluids (applicable BMW bulk part number). Please do not use these part numbers for claim submission.
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Sublet calculation: Reimbursement for used quantity of brake fluid (applicable BMW part numbers) at dealer net plus handling.

Enter this material cost in sublet and itemize the amount in the claim comment section.

### Overlapping Labor – Other Repairs

**NEW** If invoicing KSD2 flat rate labor operation codes for the additional repair work results in overlapping labor being claimed, invoice work time labor operation 00 50 000 for the additional time (FRU) minus the overlap instead.

**NEW** On the repair order and in the claim comment section, please identify the labor operations that labor operation code 00 50 000 replaces and itemize the claimed FRU amount.

**NEW** Work time labor operation code 00 50 000 is not considered a Main labor operation.

**NEW** When work time labor operation 00 50 000 is used for work that will be claimed under different defect codes, separate punch time(s) are required.

### **NEW** Vehicle Programming and Encoding

**NEW** If a control module or component was working properly and/or had no related faults stored prior to vehicle programming and it fails to program correctly or requires initialization, this additional work must be claimed with separate labor operations (refer to KSD2) under the defect code listed above.

**NEW** Repairs to control modules and components with pre-existing conditions are not eligible to be claimed under the defect code listed in this bulletin.

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