

**SUBJECT****Reduced Engine Performance****MODEL**

F30 (3 Series Sedan)

F31 (3 Series Wagon)

F32 (4 Series Coupe)

F33 (4 Series Convertible)

F34 (3 Series Gran Turismo)

F36 (3 Series Gran Coupe)

Produced from 11/2013 to 6/2014

With the N20, N26, N47T and N55 engines

Without option 0337 (M Sport Package)

**Note:** See [SIB 12 25 13](#) for vehicles with **option 0337 (M Sport Package)** with similar faults codes and symptoms.

**SITUATION**

When driving with high outside ambient temperatures, repeated stop and go, or high-load operation over longer distances, the engine performance can be reduced.

The air-conditioning system blower output may also be reduced, and in some circumstances, the compressor is switched off.

One or both of the following faults are stored in the DME:

- 1A2108: Electric fan, self-diagnosis, interval stage 1: Minor fan fault
- 241400: Electric fan, diagnosis feedback 1: Fan slightly stiff

The Service Engine Soon lamp (MIL) would not be illuminated in these situations.

**CAUSE**

1. A DME software error in the control of the 600W electric fan over-boost or high speed function
2. The electric cooling fan design was not robust enough for continuous over-boost or high-speed operation.

**CORRECTION**

1. All other engine-related faults must be diagnosed using ISTA/D and resolved prior to proceeding.
2. Replace the fan housing with a 600W electric fan.
  - The improved parts were introduced into production at the beginning of May 2014 and can be identified by a new part number.

### 3. Program the vehicle using the latest version of ISTA/P.

Target integration: (New) F020-14-07-502 or higher

For information on programming and coding with ISTA/P, refer to CenterNet / Aftersales Portal / Service / Workshop Technology / Vehicle Programming.

**Always connect a BMW approved battery charger/power supply (SI B04 23 10).**

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#### PARTS INFORMATION

Part Number	Description	Quantity
17 42 8 641 964	Fan housing with 600W electric fan	1
	<b>F3x rear wheel drive only</b>	
17 42 8 641 965	Fan housing with 600W electric fan	1
	<b>F3x xDrive only</b>	

#### WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty or the BMW Certified Pre-Owned Limited Warranty.

<b>Defect Code:</b>	<b>17 11 11 99 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 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD 2 as Charging battery)
And as necessary		
61 00 006	Work Time (WT)	Performing vehicle diagnosis – test module (as required)
And:		
17 11 535	Refer to KSD2	Removing and installing or replacing fan shroud with electric fan
And:		
61 00 730	Refer to KSD2	Programming/encoding control unit (s) (Only necessary when the vehicle is below the “Target” integration level)

Labor operation code 00 00 006 is a Main labor operation. 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) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the “Search” button, and then enter the applicable flat rate labor operation in the FR code field.

Even though work time labor operation code 61 00 006 ends in “006,” it is not considered a Main labor operation.

Work time (WT) labor operation 61 00 006 requires an individual punch time.

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 under the defect code listed above; refer to KSD2.

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

### **Other Repairs**

If performing ISTA diagnostics and related test plans results in other eligible and covered work, claim this work with the applicable defect code and/or labor operations listed in KSD2.

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