

## SIB 61 30 14

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SI B61 30 14

General Electrical Systems January 2015

Technical Service

This Service Information bulletin supersedes SI B61 30 14 dated December 2014.

### SUBJECT

BMW Maintenance Program: 12-Volt Battery Replacement Measure

### MODEL

E70 (X5)

Produced from 4/2010 to 6/2013

With the N63 engine

E71 (X6)

Produced from 4/2010 to 6/2013

With the N63 engine

F01 (7 Series Sedan)

Produced from 3/2010 to 6/2012

With the N63 engine

F02 (7 Series Sedan LWB)

Produced from 3/2010 to 6/2012

With the N63 engine

F07 (5 Series [Gran Turismo](#))

Produced from 9/2010 to 6/2012

With the N63 engine

F10 (5 Series Sedan)

Produced from 3/2010 to 6/2013

With the N63 engine

F12 (6 Series Convertible)

Produced from 3/2011 to 7/2012

With the N63 engine

F13 (6 Series Coupe)

Produced from 3/2011 to 7/2012

With the N63 engine

E71 (X6)

Produced from 7/2013

With the N55 or S63 engine

F01 (7 Series Sedan)

Produced from 7/2013

With the N55 or N63T engine

F02 (7 Series Sedan)

Produced from 7/2013

With the N55, N63T, or N74 engine

F06 (6 Series Gran Coupe)

Produced from 3/2013

With the N55, N63T, or S63 engine

F07 (5 Series Gran Turismo)

Produced from 9/2013

With the N55 or N63T engine

F10 (5 Series Sedan)

Produced from 7/2013

With the N55, N57, N63T, or S63 engine

F12 (6 [Series Convertible](#))

Produced from 3/2013

With the N55, N63T, or S63 engine

F13 (6 Series Coupe)

Produced from 3/2013

With the N55, N63T, or S63 engine

F15 (X5)

Produced from 8/2013

With the N55, N57, or N63T engine

## **INFORMATION**

This bulletin outlines a customer satisfaction measure that has been designed exclusively for the BMW vehicles listed above. It involves the replacement of the 12-volt battery as a preventive maintenance measure.

This 12-volt battery replacement measure is:

Effective with repairs dated on or after January 1, 2015.

Applicable to vehicles that are still covered by the BMW Maintenance Program. This program is valid for 4 years or 50,000 miles, whichever occurs first.

If the battery was replaced previously within the last 12 months, then the battery replacement outlined below (combined with performing the [engine oil service](#)) is not necessary.

Please check the warranty claim history for the specific vehicle in the DCSnet Warranty Vehicle Inquiry to confirm if a battery was replaced in the previous 12 months.

### Vehicles with an N63 Engine

Vehicles with N63 engines require additional cooling capacity, and the activation of the various cooling system components places additional demands on the battery.

Several enhancements have been made to the power management system on such vehicles. However, in a quest to ensure total customer satisfaction, please replace the 12-volt battery on a preventive maintenance basis at every engine oil service (engine oil service counter # 1, # 2, # 3, etc.), unless the battery was replaced within the last 12 months.

Note: The Key Reader/ISPA Light application will not show a “combined” battery replacement with engine oil service counter # 1 and # 3. Disregard this and replace the battery while performing the [engine oil service](#).

### Vehicles with an N55, N57, N63T, S63, or N74 Engine

To ensure total customer satisfaction, please replace the 12-volt battery on such vehicles at the second engine oil service (with the engine oil service at counter # 2) only, unless the battery was replaced within the last 12 months.

## **CORRECTION**

Replace and register the new battery; and for the models indicated below, upgrade the battery to the higher capacity.

Select and complete one of the procedures listed below, based on the vehicle’s engine variant.

### **VEHICLES EQUIPPED WITH AN N63 ENGINE ONLY**

This procedure only pertains to the models and production ranges listed above that are equipped with an N63 engine.

#### **At every engine oil service covered under the 4 year/50,000 miles BMW Maintenance Program:**

1. Perform a Key Read on the vehicle and check to see if an engine oil service is “Recommended” or “Due” by miles or will be required in the next 60 days or less.
2. Confirm the battery was not replaced previously during the last 12 months.
3. If the conditions described in steps 1 and 2 are satisfied, replace the battery simultaneously with the performance of the engine oil service.

***Important note: Do not perform an energy diagnosis for this battery replacement.***

4. Replace the battery with a 105 Ah battery (this is an upgrade from the originally fitted 90 Ah battery). Refer to ISTA Repair Instruction 61 21 010, "Remove and install or replace battery" and proceed to step 5b. The following exceptions apply:

If the vehicle is an E70 or E71 and was produced prior to 10/2011, replace the battery with the 90Ah battery and proceed to step 5a (these vehicles cannot accept a battery upgrade to 105 Ah).

If the battery installed in the vehicle is already a 105 AH battery, replace it with a 105 Ah battery and proceed to step 5a.

**Important note: F06, F07, F10, F12, and F13 vehicles will require an additional hold-down clamp (P/N 61 21 7 592 923), only if upgrading from a 90 Ah battery to a 105 Ah battery.**

5. Register the new battery using ISTA. Refer to SI B61 15 12.
    - a. Select "Enter battery replacement: same capacity" if the same size battery was installed. The replacement is finished. No further steps are needed.
    - b. Select "Enter battery replacement: higher/lower capacity" if the higher capacity 105 Ah battery was installed in place of the [90Ah battery](#). Proceed to the next step.
  6. Start an [ISTA/P](#) session using the latest version of ISTA/P.
  7. Select "Conversions/Retrofits" and select "Retrofit, 105 Ah AGM Battery" for the first replacement/upgrade only. Note that ISTA/P will automatically reprogram and code all programmable control modules that do not have the latest software.
  8. After the programming is finished, the battery replacement is finished.
- Always connect a BMW approved battery charger/power supply (SI B04 23 10).

#### **VEHICLES EQUIPPED WITH AN N55, N57, N63T, S63, OR N74 ENGINE**

This procedure only pertains to the models listed in the attachment (based on the production date) that are equipped with an N55, N57, N63T, and N74 engine.

#### **At engine oil service "counter # 2" only, covered under the 4 year/50,000 miles BMW Maintenance Program:**

1. Perform a Key Read on the vehicle and check to see if an engine oil service is "Recommended" or "Due" by miles or will be required in the next 60 days or less.
2. Confirm the battery was not replaced previously during the last 12 months.
3. If the results of steps 1 and 2 allow, replace the battery together with performing the engine oil service.

**Important note: Do not perform an energy diagnosis for this battery replacement.**

4. Refer to ISTA Repair Instruction 61 21 010, "Remove and install or replace battery."
5. Register the new battery using ISTA. Refer to SI B61 15 12. Select the "Enter battery replacement: same capacity," and then the replacement is finished.

#### **PARTS INFORMATION**

Part Number Description Quantity

61 21 2 353 812 90/92 AH battery (if equipped) 1

61 21 2 353 814 105 AH (if equipped or for upgrade) 1

61 21 7 592 923 Battery Clamp Rail (only if needed for F06, F07, F10, F12, F13) 1

#### **WARRANTY INFORMATION**

Covered under the terms of an "active" BMW Maintenance Program period, up to 4 years or 50,000 miles, whichever occurs first.

Defect Code: 85 10 02 56 MP

Labor Operation: Labor Allowance: Description:

61 21 517 Refer to KSD2 Replacing battery, with registering battery replacement

And, if necessary:

**Retrofit Programming: [Upgrade Battery](#) from a 90 Ah to 105 Ah**

Labor Operation: Labor Allowance: Description:

00 00 556 Refer to KSD2 Performing “vehicle test” (with vehicle diagnosis system – checking faults)

61 00 730 Refer to KSD2 Retrofit programming of vehicle for upgrade of battery from 90 Ah to 105 Ah

And if necessary, also

61 21 528 Refer to KSD2 Connect an approved battery charger/power supply (indicated in KSD2 as “Charging battery”)

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.

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.