



BMW Maintenance Program: 12-Volt Battery Replacement Measure

New information provided by this revision is preceded by this symbol .


This Service Information bulletin supersedes SI B61 30 14 dated April 2017.

What's new:

- “Models” updated: Model Year 2018 vehicles added
- Attachment updated for Model Year 2018 vehicles

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
F04 (ActiveHybrid 750i) Produced from 4/2010 to 6/2012 With the N63 engine	F07 (5 Series Gran Turismo) Produced from 9/2010 to 6/2012 With the N6	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, N63T 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, N57, N63T, or N74 engine
F06 (6 Series Gran Coupe) Produced from 3/2013 With the N63T or S63 engine	F07 (5 Series Gran Turismo) Produced from 9/2013 With the N63T engine	F10 (5 Series Sedan) Produced from 7/2013 With the N63T or S63 engine	F12 (6 Series Convertible) Produced from 3/2013 With the N63T or S63 engine
F13 (6 Series Coupe) Produced from 3/2013 With the N63T or S63 engine	F15 (X5) With N55 and N47 produced from 8/2013 to 7/2014 With N63T engine produced from 8/2013	F16 (X6) Produced from 8/2014 With N63T engine	G12 (7 Series Sedan) With B58 and N63R engine Produced from 7/2015 to 6/2016
F85 (X5M) With S63T2 Produced from 12/2014	F86 (X6M) With S63T2 Produced from 12/2014		

 The models and production dates listed above are only for reference. The Key Reader should always be the final determining factor for the battery replacement.

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 for 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.**
- **The calculation is based on the current date of repair. It is “applicable” when the 12-volt battery was not replaced within the last 12 months. You can then perform the battery replacement as outlined below.**

Please check the warranty claim history for the specific vehicle in the DCSnet Warranty Vehicle Inquiry to confirm the battery was not already replaced within the previous 12 months.

PROCEDURE

Important note: Do not perform an energy diagnosis for these battery replacements.

A. Vehicles equipped with the N63 engine (vehicles equipped with N63T go to procedure B)

Perform the battery replacement for N63 vehicles under one of the following conditions:

- In conjunction with performing the N63 Engine: Customer Care Package (N63 CCP, [SI B11 06 14](#)), and/or
- As a “combined” task with the engine oil at service counter (SC) #2 only when it shows “Recommended, Due,” or it qualifies to be performed based on the “60-day Bundling” procedure (see [SI B01 06 13](#)).

12-volt battery replacement together with performing the N63 CCP

If you are performing the N63 CCP ([SI B11 06 14](#)) and:

- The vehicle is still within the first 4 years/50,000 miles, and
- The 12-volt battery was NOT replaced within the last 12 months, then
- Replace the battery in conjunction with performing the N63 CCP, regardless of the engine oil service task “status” showing in CBS and the ISPA Light application.

12-volt battery replacement procedure

1. 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 2.

Important notes:

- **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.

- Some vehicles have a metal tab on the battery tray. It has to be bent down flat in order to prevent damage to the new 105Ah battery when performing the upgrade.

- F10 vehicles produced from 3/2010 up to 9/2010 do not have enough room for the 105 Ah batteries. Replace the battery with the 90/92 Ah battery. Vehicles produced from 9/2010 can be upgraded to the 105 Ah batteries.

2. Register the new battery using ISTA. Refer to [SI B61 15 12](#).

- Select “Enter battery replacement: same capacity” if the same size battery was installed. The replacement is finished. No further steps are needed.

- 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.

3. Start an ISTA/P session using the latest version of ISTA/P.

4. Select “Conversions/Retrofits” and select “Retrofit, 105 Ah AGM Battery” for the first replacement/upgrade only.

5. Note that ISTA/P will automatically reprogram and code all programmable control modules that do not have the latest software.

6. After the programming is finished, the battery replacement is finished.

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

B. Vehicles equipped with the B58, N55, N57, N63T, N63TU2, S63 and N74 engines

Please replace the 12-volt battery at the second engine oil service (combined with engine oil service counter #2) when this service shows “Recommended, Due,” or it qualifies to be performed based on the “60-day Bundling” procedure (see [SI B01 06 13](#)), or unless the battery was already replaced within the last 12 months.

1. Perform a Key Read on the vehicle and check to see if an engine oil service (counter #2) qualifies to be performed.
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.
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 “Enter battery replacement: same capacity,” and then the replacement is finished.
6. Perform the “combined” service tasks with the engine oil service, as well as any “stand alone” maintenance tasks items if they qualify to be performed (see the “Warranty Information” section below).
7. Reset the CBS data to 100%.

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 up to the first 4 years or 50,000 miles, whichever occurs first (unless the battery was replaced within the last 12 months), as outlined below:

Applicable N63 engine vehicles

Covered under the terms of an “active” BMW Maintenance Program period when performed in conjunction with the N63 CCP ([SI B11 06 14](#)) procedure and/or as a “combined” task with an engine oil service at service counter (SC) #2 when it shows “Recommended, Due,” or it qualifies to be performed based on the “60-day Bundling” procedure.

Applicable B58, N20, N55, N57, N63T, N63TU2, S63 and N74 engine vehicles

Covered under the terms of an “active” BMW Maintenance Program period when performed as a “combined” task with an engine oil service at service counter (SC) #2 when it shows “Recommended, Due,” or it qualifies to be performed based on the “60-day Bundling” procedure.

Defect Code:	85 10 02 56 MP	
Labor Operation:	Labor Allowance:	Description:
61 21 517	Refer to KSD2	Replacing battery, with registering battery replacement

N63 retrofit programming: upgrade battery from a 90 Ah to a 105 Ah

When it is necessary and the programming/encoding is NOT included with performing another repair during the same service visit:

Labor Operation:	Labor Allowance:	Description:
00 00 556	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
And:		
61 00 730	Refer to KSD2	Retrofit programming of vehicle for upgrade of battery from 90 Ah to 105 Ah
And:		
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.

Vehicle Programming and Coding

Control module failures that occur during programming:

- Please claim these consequential repairs under the defect code listed in this bulletin and use the applicable KSD2 labor operations.

Other Repairs

Control module failures that occur prior to programming:

- When covered under an applicable limited warranty, claim these repairs using the applicable defect code and labor operations in KSD2.

Other Maintenance Service Task Items

If eligible, claim any additional maintenance service task items (combined or “stand alone” that are “Recommended, Due” or qualify to be performed based on the “60-day Bundling” procedure) under the BMW Maintenance Program, or invoice them separately as customer-pay only after reviewing these items with the customer and with his or her approval.

Overlapping Labor – Associated and/or Other Repairs

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.

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.

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

Associated Repairs: When work time labor operation 00 50 000 is used as an extension of the repair outlined in this bulletin, a separate defect code and punch time(s) are not required.

Other Repairs: 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.

ATTACHMENTS

View PDF attachment [B613014 Attachment](#).

View PDF attachment [B613014 Attachment FAQ](#).

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BMW Maintenance Program: 12-Volt Battery Replacement Measure

Repair Order Number: _____ VIN (last seven): _____

Model Year: _____ Model Description: _____

Engine: _____ Production Date (mm/yyyy): _____

Engine Oil Service Counter Number: _____ N63 CCP will be performed (Y/N) _____

<p>A. Is the vehicle within the 4 year/50,000 mile maintenance program period by time and mileage, and is the program still “active?”</p>	<p>Yes: Proceed to item “B.”</p>	<p>No: Do not proceed.</p>
<p>B. Are you performing the N63 CCP procedures (SI B11 06 14) and/or does the Engine Oil Service Task Status (SC #2) show Recommended, Due, or does it qualify to be performed based on the 60-day bundling procedure? (Excluding the Annual Low-Mileage Engine Oil Change, when applicable. See SI B01 04 10.)</p>	<p>Yes: Proceed to item “C.”</p>	<p>No: Do not proceed.</p>
<p>C. Was the 12-volt battery replaced in the last 12 months?</p>	<p>No: Perform the engine oil service and proceed to item “D.”</p>	<p>Yes: Do not proceed.</p>

Check One	D. 12-volt battery maintenance replacement interval				4 years/50,000 miles				
					N63 CCP/“Engine Oil” Service Counter (SC) Number				
	Series	Model	Engine	Production	N63 CCP*	1	2*	3	4
	E70	X5	N63	4/2010 – 6/2013	•		•		
	E71	X6	N63	4/2010 – 6/2013	•		•		
	F01	7 Series Sedan	N63	3/2010 – 6/2012	•		•		
	F02	7 Series Sedan	N63	3/2010 – 6/2012	•		•		
	F04	ActiveHybrid 750i	N63	4/2010 – 6/2012	•		•		
	F07	5 Series Gran Turismo	N63	9/2010 – 6/2012	•		•		
	F10	5 Series Sedan	N63	3/2010 – 6/2013	•		•		
	F12	6 Series Convertible	N63	3/2011 – 7/2012	•		•		
	F13	6 Series Coupe	N63	3/2011 – 7/2012	•		•		
	E71	X6	N55,N63T,S63	From 7/2013	N/A		•		
	F01	7 Series Sedan	N55,N63T	From 7/2013	N/A		•		
	F02	7 Series Sedan	N55,N57,N63T,N74	From 7/2013	N/A		•		
	F06	6 Series Gran Coupe	N63T,S63	From 3/2013	N/A		•		
	F07	5 Series Gran Turismo	N63T	From 9/2013	N/A		•		
	F10	5 Series Sedan	N63T,S63	From 7/2013	N/A		•		
	F12	6 Series Convertible	N63T,S63	From 3/2013	N/A		•		
	F13	6 Series Coupe	N63T,S63	From 3/2013	N/A		•		
	F15	X5	N55,N57	8/2013 – 7/2014	N/A		•		
	F15	X5	N63T	From 8/2013	N/A		•		
	F85	X5M	S63T2	From 12/2014	N/A		•		
	F16	X6	N63T	From 8/2014	N/A		•		
	F86	X6M	S63T	From 12/2014	N/A		•		
	G12	7 Series Sedan	B58, N63R	7/2015 – 6/2016	N/A		•		

- * **The 12-volt battery “maintenance” replacement is to be performed, as stated SI B61 30 14, either as a “combined” service task with the engine oil service at “service counter # 2” or with performing the N63 Customer Care Package procedures.**

BMW Group

Battery Replacement Maintenance

Frequently Asked Questions

1) If a vehicle is in for the N63 Customer Care Package and has the oil change done as part of the CCP, can the battery be replaced?

Yes, as long as the vehicle is still covered under the 4 year/50,000 mile maintenance warranty and has not had a battery replaced in the last 12 months.

2) Can all F10 N63 vehicles be upgraded to the 105Ah battery?

No. F10 vehicles produced from 3/2010 up to 9/2010 do not have enough room for the 105 Ah batteries. Replace the battery with the 90/92 Ah battery. Vehicles produced from 9/2010 can be upgraded to the 105 Ah batteries.

3) Do all F15 vehicles receive the 105 Ah batteries when replaced?

No, vehicles that have the auxiliary battery installed only have enough room for the 90/92 Ah battery. As a rule, on all F15 vehicles, replace the battery with the same size that is installed in the vehicle.

4) On E70 and E71 vehicles produced prior to 10/2011, why can't I upgrade the battery to a 105 Ah? There is plenty of room.

Even though these vehicles will physically accept a 105 Ah battery, the integrity of the vehicle might be compromised in an accident. It was decided not to take that risk.

5) Is it true that when I replace a battery as part of the maintenance, I do not have to perform energy diagnosis?

Yes, this is true. Energy diagnosis is not needed. If the vehicle comes into the workshop with customer complaints of battery issues, it should be performed and billed separately to ensure the vehicle does not return for a repeat visit.

6) Why is there a gap in the model years of the vehicles listed for this battery maintenance replacement?

There are two groups of vehicles involved in the replacement program. Vehicles equipped with N63 engine start from Model Year 2011. Vehicles equipped with other engine variants listed start from Model Year 2014. This is based on the failure rate of the battery on those models with specific engine variants.