



BATTERY MAINTENANCE REQUIREMENTS: BATTERY CARE

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

This Service Information bulletin replaces SI B61 18 08 **dated November 2017**

What's New:

- Log form updated for 2019 calendar year

MODEL

All (new vehicles in BMW center inventory)
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SITUATION

Proper battery maintenance is vital when BMW vehicles are in your center's inventory. Allowing a vehicle's battery voltage to drop below 12.0 volts (12.0V) permanently reduces the battery life expectancy and can lead to premature failure of the battery. For vehicles, equipped with a high-voltage battery (hybrid/electric vehicles), failure to properly maintain this battery may lead to a greatly discharged HV battery, requiring replacement.

We provide a flexible battery maintenance system every BMW center can use to meet their particular needs. This bulletin explains the Battery Charging Calendar (see attachment), charging system categories and a simplified tool and battery voltage checking procedure below.

INFORMATION

To transition the reimbursement of the battery maintenance step from the QCI to the new Battery Care Program described in the procedure section, a reduction in the QCI time allowances was necessary.

For more information on the updated QCI payment and the related claim submission information, please refer to [SI B01 01 08](#).

Your center will received a separate payment for properly maintaining batteries on in-stock vehicles.

PROCEDURE - 12V BATTERY SYSTEMS (INCLUDING HYBRID/ELECTRIC VEHICLES)

This procedure details the required battery care at the following points while the vehicle is at the dealership.

- During receiving inspection at dealership
- Assignment of vehicle usage (3 categories)
 1. Put on the lot (New vehicle display or supplemental inventory)
 2. Battery is disconnected, vehicle in storage
 3. Vehicle is put in display stock (showroom or show display)
- Vehicle battery is recharged
- Vehicle is delivered to customer

Process monitoring with BatteryCare within WHAT (Warranty Health Assessment Tool) is also discussed.

Delivery of vehicle to dealer

NOTE: The vehicle arrives marked with a **color-coded round sticker** on the windshield. Do not remove this sticker under any circumstance until the vehicle is retailed.

When a new vehicle arrives at the dealership, do the following-

- Remove the BATTERY LOG FORM (see attachment) from the glove compartment and complete **section “A.”**
- Check if the car is due for charging according to **section “B”** in the charging calendar (is car assigned to the color of the current week?) on the BATTERY LOG FORM.

If YES, please check the State of Charge (SoC). If it is below 71% (12.5 V), please recharge the car before it goes into storage. On hybrid/electric vehicles, the battery must be charged if the SoC is below 25% or one or fewer blue bars are present on the SoC display. This situation can occur because of delays in transporting the vehicle to the dealer. Go to step c.

NOTE: The HV battery in the BMW i3 and i8 cannot be charged above 30% when transport mode is active.

If NO, go to step c.

- Check the instrument cluster for battery-related check control messages to determine the condition of the 12-volt battery. Refer to the chart below for all applicable check control messages.
- Open the vehicle and make sure it is in transport mode. Press the Start/Stop button and wait until all check control messages are displayed. Refer to the chart below for all applicable check control messages pertaining to the 12V battery.

Vehicle Check Control Displays and Actions

F-Series:		E-Series:	
State of charge	Action		
> 60%	None		
30 < x < 60%	Recharge		
< 30%	Replace battery		

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If an indicator shows that the battery is less than 30% SoC (12 V), perform the following steps:

- Enter a comment with the VIN in the Bill of Lading (Delivery Receipt).
- Perform energy diagnosis to check if there is a vehicle malfunction.
- Submit a warranty claim with the comment: “Battery was delivered heavily discharged.”

NOTE: Using a multi-meter upon delivery is not recommended, because an accurate voltage value is only guaranteed after the 12V battery has been sitting for at least 4 hours.

Vehicle usage is assigned

The new vehicle battery maintenance tracking system provides for 3 distinct categories of vehicles while in dealer stock. Each category has different recommended actions:

1. Put on dealer lot

- The vehicle may be in storage (back lot) or in a new vehicle display (not in the showroom).
- The vehicle may or may not be in Transport Mode.
- A four-week charging cycle and calendar have been recommended for this category of vehicles.
 - a. The vehicle arrives marked with a color-coded round sticker on the windshield. Do not remove this sticker under any circumstance until the vehicle is retailed. The respective color dot on the windshield (four options) indicates when the vehicle's battery voltage must be checked in accordance with the section "B" of the BATTERY LOG FORM on a four-week cycle.
 - b. Recharge whenever the battery voltage is less than 12.5V or 71% SoC.

BMW recommends using the LED 12V Charging Indicator to determine if a certain vehicle has to be recharged. (For testing and charging equipment, refer to [SI B04 23 10](#).)

This LED indicator has to be connected to the vehicle permanently, and eliminates the need to unlock the vehicle for measuring the SoC of the 12V battery. The colors below apply to the charging calendar's SoC thresholds, and are as follows:

Green: Voltage is > 12.5V (71% SOC)

Yellow Voltage is between 12.0V and 12.5V => Recharge

Red: Voltage < 12.0V (30% SOC) => Replace battery on new vehicles

c. Every time a battery is checked, record the voltage in section "B" of the BATTERY LOG FORM. Additionally, if equipped, the HV battery SoC must also be checked at these intervals and charged if below 25% or one blue bar in the SoC display.

IMPORTANT: The LED indicator has to be connected to the car for at least 4 hours in order for it to indicate the correct battery condition!

2. The vehicle goes into the showroom, or a similar display area

- The electrical system is "Customer ready"
- The vehicle has been taken out of Transport Mode using the BMW Diagnosis System
- The color dot system is not applicable while assigned to this usage

When in the showroom display, energy consumption is frequent and unpredictable because of the showroom traffic. A four-week charging cycle will not suffice, due to the increased current draw imposed on the battery. This is because of frequent usage of the vehicle's electrical components (demonstrations, product familiarization, etc.).

a. To ensure the battery charge is maintained, connect the battery via the underhood charging terminals to a suitable power supply ([SI B04 23 10](#)). For hybrid/electric vehicles, the HV battery must still be maintained on the four-week charging cycle, since the power supply will NOT charge or maintain the HV battery.

b. If the showroom vehicle battery has to be disconnected due to state regulations, check the battery voltage on a regular basis to ensure the state of charge is maintained above 12.5V or 71% SoC. . We recommend default charging every night.

c. Record when the battery is recharged in **section “C”** of the BATTERY LOG FORM.

Note: For those BMW centers which have established their own working battery maintenance procedure which fulfills BMW guidelines, Section C can be used to track the charging of those vehicles.

For BMW ActiveHybrid vehicles: Refer to [SI B61 37 12](#) for special High-voltage Battery care instructions when using an external 12 volt battery charger.

3. The battery draw has been minimized

- The vehicle battery has been disconnected.

With the battery draw minimized, a 12-week charging cycle can be followed. Use **section “D”** of the BATTERY LOG FORM to document when the charging has been performed.

The columns on the BATTERY LOG FORM are identified by the colors white, red and green of the 12-week charging calendar, designating the months when the vehicles are to be charged. The windshield labels can also be used to track these vehicles, with the exception of the 4th color, yellow. Therefore, vehicles received with a yellow label will need to be reassigned another color.

The 12 week charging cycle requires the battery to be recharged at every check.

Since BMW uses only maintenance-free or AGM batteries, **DO NOT ADD DISTILLED WATER!**

If, at any time, the battery open circuit voltage should drop below 12.0V, or a battery replacement is indicated during the CBS handover inspection, perform Energy Diagnosis (refer to [SI B61 13 05](#)) to determine the cause. Any necessary repairs should be carried out and the battery **MUST BE REPLACED**. The replacement battery must be registered using the service function in the diagnosis equipment.

Dispose of all batteries properly, observing legal regulations.

Charging Parameters:

Battery charging must be performed using an approved battery charger (recommended charging voltage 14.8V). Refer to [SI B04 23 10](#) for recommended chargers.

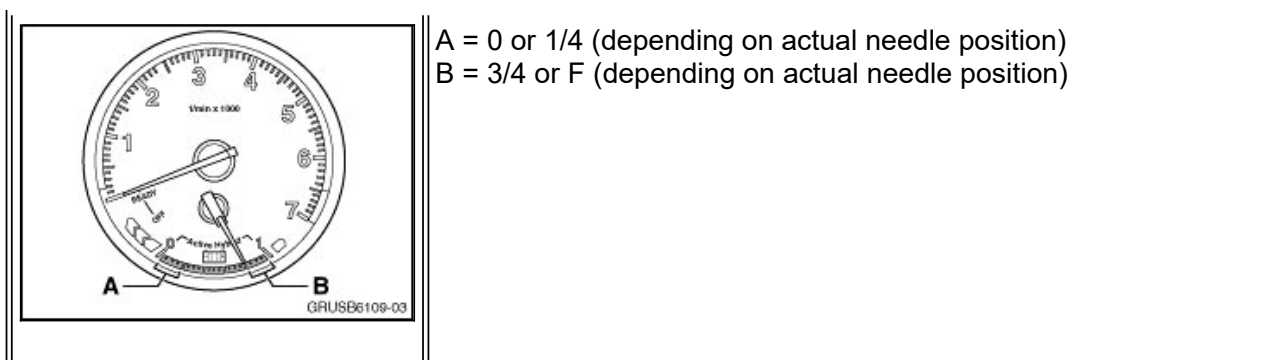
For an optimized charging procedure, the ambient temperature should be **between 60°F and 75°F**. Under these conditions, the battery can be considered fully charged when the charging current **has fallen below 2.5 Amps**.

Charging below 60°F should be avoided if possible, since the capacity of the battery to take up current is reduced and the charging time is extended considerably. However, if provisional charging **below 60°F is performed, the charging voltage must be set to 14.8V**. Charging shall be discontinued no earlier than when the **charging current falls below 1.5 Amps**.

PROCEDURE FOR HIGH-VOLTAGE BATTERY PACKS (HYBRID VEHICLES AND ELECTRIC VEHICLES)

High-voltage battery packs should be checked at the same maintenance intervals as for 12 volt batteries.

	The charge status of the high-voltage battery pack is shown in the instrument cluster. If the charge indicator displays a state of charge below 25% or one blue bar on the gauge (A), the high-voltage battery pack must be recharged until the charge indicator displays a value in the upper quarter (B). On the battery log form, charge indicator positions A or B should be logged as follows:
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Hybrid vehicles:

- Charge the high-voltage battery pack by starting the engine and letting it idle until SoC > 75% has been reached (approximately 15 minutes). If the vehicle is inside a building, exhaust extraction must be used. If the vehicle is outside, the vehicle must be in a secure area.

Electric vehicles:

- Connect an approved 110V or 220V charging cable to the vehicle's charge port until SoC $\geq$ 30% (in transport mode, maximum SoC is limited to 30%) has been reached.
- The 12V battery is very small. On an i3, it has a capacity of only 20Ah, but is permanently charged by the high-voltage battery.

Note: When the high-voltage battery goes to SoC of 0%, the 12V battery will discharge quickly.

New Vehicle Delivery

The CBS Handover Inspection must be performed as the last process step, immediately before delivery to the customer! Refer to Service Information bulletin "New Vehicle Preparation and Maintenance Requirements" for the affected vehicle model.

IMPORTANT: As a part of the CBS Handover Inspection, a final check with "Battery Care D" has to be performed on all vehicles (including hybrid and electric vehicles).

"Battery Care D" is a tool available in the ASAP Portal: Dealerspeed>ASAP Portal>Service/Technic>"Battery Care D".



Based on key data, the tool checks if the battery was ever heavily discharged.

The system requires internet access and a BMW Key Reader (no workshop server connection is needed). Perform this check using the following steps:

1. The vehicle key has to be updated as follows:



Important variants to above:

- a. For all vehicles with the Lock/Unlock button on the door (e.g., X3 MY 2014 and newer): Press the lock button in order to perform the key update.



- b. For all vehicles with the new remote key style (e.g., X5 MY 2014 and newer):

Back side of remote key must be placed on key symbol (not the front edge):



- c. For all G-Series vehicles (e.g. new 7-Series model year 2016): In order to turn on ignition when performing the key update procedure please **press the Start/Stop button 3 times within 4 sec.**

2. Let the Key Reader read and store the key data.
3. Open **"ident car"** and press the "Take over key data" button.

4. Is the correct vehicle displayed?:
 - a. YES - Go to step 5.
 - b. NO – Check if “Workstation Configuration” is set correctly (Battery Care User Manual).
5. Does the application show “**Battery OK**” or “**Charge battery**” in the “Description” field?:
 - c. YES - the battery was never heavily discharged (SoC < 12V) in the past. Go to step 6
 - d. Battery application shows “**Replace battery**” (indicating battery was heavily discharged in the past) – Replace battery. Repeat this procedure from step 1 (the status must be switched to “**Battery OK**”).
6. Is **Save** button displayed?:
 - a. YES - press “Save.” Go to Step. 7
 - b. NO - the key data was either not updated successfully or a key with old data was provided. Repeat from Step. 1.
7. Press the “Log off vehicle” button.

Other battery-related steps to be performed prior to customer delivery:

- BATTERY LOG FORM should be removed from the BATTERY CHARGE LOG (binder) and filed in the vehicle file, to be available for future reference.
- To be sure that the vehicle is be handed over with a fully charged battery (minimum state of charge of 12.5V or 71% SoC), start the engine before demonstrating the operation of components to the customer at the time of delivery.

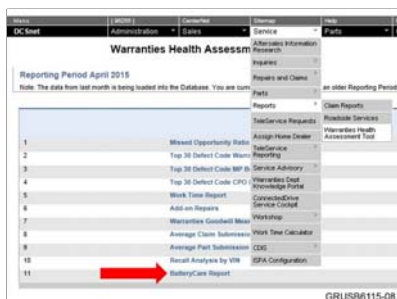
Process Monitoring

There is a convenient BatteryCare Report contained within the WHAT (Warranty Health Assessment Tool) of the DCSNet within Dealerspeed. This report shows all vehicles according to their in-Service date, combined with the last recorded status in the BatteryCare application. Regular use of this report will assist to you to ensure that final battery checks have been performed before leaving the dealership.

This report is now refreshed every night to reflect recent deliveries as well as those of the previous 3 months.

Please refer to the attachments to get more information on how to use the report.

WHAT can be accessed via DCSNet in Dealerspeed as shown:



GENERAL INFORMATION

Note that the procedures outlined above are meant to be guidelines to assist BMW centers in assuring a sufficient state of charge of vehicle batteries at all times. Following these procedures, however, will not

guarantee a sufficient state of charge on all batteries. There may be exceptional cases (for example, frequent movement of back lot vehicles) of excessive current which may call for more frequent recharging than otherwise necessary.

The above guidelines for proper battery maintenance are meant to provide maximum flexibility for every BMW center. Regional BMW personnel will be happy to assist with setting up an effective charging and monitoring program.

PARTS INFORMATION

Refer to the attachment to this bulletin for the procedure flowchart.

Part Number	Description	Quantity
01 00 2 411 748	Windshield labels - white (reusable)	1 - 50 labels
01 00 2 411 749	Windshield labels - red (reusable)	1 - 50 labels
01 00 2 411 750	Windshield labels - green (reusable)	1 - 50 labels
01 00 2 411 751	Windshield labels - yellow (reusable)	1 - 50 labels

The pre-printed version of the Battery Log form will no longer be provided since the demand was very low.

A printable version can still be found either in the attachment to this bulletin or within the BatteryCare Application in the ASAP Portal.

WARRANTY INFORMATION

When a new vehicle is reported "sold" with an in-service date, Warranties will review the corresponding battery maintenance information from the Battery Care application and the **required and qualifying** key read data.

- The required and qualifying key read data must be obtained from the vehicle during **the period of 10 days before and 10 days after the in-service date (-10/+10) that is reported in DCSnet (RDR).**

Under this program, after the first delivery, centers will receive two (2) FRU for properly maintaining a new vehicle's 12V battery while in inventory.

- The credit centers will receive will be for one (1) FRU reduction, originally included in the QCI labor operation, and one (1) bonus FRU.

Battery Care Payments

For qualifying vehicles, these payments will be issued quarterly on your parts billing statement through a miscellaneous billing.

Vehicles that do not have the **required and qualifying** key read data will not be eligible for this a payment.

12-Volt Battery Failures due to Improper and/or Lack of Maintenance

12-volt battery replacements for improper and/or lack of maintenance are not covered under the limited warranty and do not qualify.

Claim submissions for 12-volt battery replacements for these reasons will either be denied or debited.

Center-Traded Vehicles

It is your responsibility to evaluate the battery's condition on those vehicles traded to your center from another center upon their arrival. Any issues relating to improperly maintained batteries must be addressed between the centers involved.

Demo Vehicles

Center demo vehicles are required to participate in the new Battery Care Program, including “Specialty 8,” when the retail status is updated using Retail Type “B-Customer Update Spec8.”

European Delivery Vehicles

European delivery vehicles are required to participate in the new Battery Care Program. The battery check has to be done on the second delivery in the US.

Posted: Monday, December 10, 2018

ATTACHMENTS

View PDF attachment [B611808 Battery Log Form 2019](#).

View PDF attachment [B611808 BatteryCare Application Manual](#).

View PDF attachment [B611808 BatteryCare Process Flyer](#).

View PDF attachment [B611808 BatteryCare Report in WHAT](#).

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BatteryCare Report in WHAT

1. Start screen of WHAT (as of 08/01/2015):

Warranties Health Assessment tool

Reporting Period January 2015

1	Missed Opportunity Ratio
2	Warranty Index
3	Certified Pre-Owned Index
4	Top 30 Defect Code Warranty Benchmark Report
5	Top 30 Defect Code MP Benchmark Report
6	Top 30 Defect Code CPO Benchmark Report
7	Work Time Report
8	Add-on Repairs
9	Warranties Goodwill Measurement Tool
10	Average Claim Submission
11	Average Part Submission
12	Recall Analysis by VIN
13	BatteryCare Reports

2. First selection which mandatory to make is to select Month and Brand:

Warranties Health Assessment Tool

Reporting Period: January 2015 (Covering 01/01/2015 Through 01/31/2015)

Month
1-JANUARY ▼

Brand
Make a Selection
BMW
MINI

Back to Main Menu



3. After Month and Brand was selected the numbers for each dealer are displayed.

Selected Criteria

Region : 04 - CENTRAL
Market : 44 - Cleveland / Columbus

EXAMPLE

Warranties Information/Battery Care Report/ Market Level by Center

Note: Please Click on the  icon to view the Dealer Detail Report.

Region Code/ Market/ Center code	Count of Total VIN	Count of Battery Check OK	Sum of Lost Revenue @\$25/cer	% of Checks Okay	Rank by Market	Rank by Region
04 CENTRAL						
44 Cleveland/Columbus						
25123 Bent Enterpr	12	7	125	58%	3	6

Back to Main Menu

1.	Count of all vehicles which had their In-Service in the selected month.
2.	Count of all cars which were checked fine on retail with the BatteryCare application
3.	Ratio of all cars which were checked fine on retail, based on the total number of vehicles which were put in-Service
4.	Ranking of the ratio for the "OK battery checks" for market as well as regional level
5.	Detailed report which shows every single vehicle(see below)

Please note: The data is refreshed every night for the current month as well as the 3 previous month

4. Every VIN number

Warranties Health Assessment Tool

Selected Criteria

Region : 04 - CENTRAL
 Market : 44 - Cleveland / Columbus
 Center : 25123 - Bent Enterpr

Warranties Information/Battery Care Report/ Market Level by Center

[Download Excel](#)

AG_Dealer_Code	Center_ID	Dealer Name	Region Name	Market	State	VIN	E Series	Model	MY	In-Service Date	Last Check	Event	Battery Status Retail
11803	25123	Bent entr of Millford	CENTRAL	26	TX	0F93840	F16	KU63	2015	12/18/2014	12/20/2014	Battery OK	OK
11803	25123	Bent entr of Millford	CENTRAL	26	TX	0F93848	F16	KU63	2015	12/12/2014	12/11/2014	Battery OK	OK
11803	25123	Bent entr of Millford	CENTRAL	26	TX	0F95029	F16	KU23	2015	12/23/2014	12/23/2014	Battery OK	OK
11803	25123	Bent entr of Millford	CENTRAL	26	TX	0D56856	F25	WX03	2015	12/27/2014	12/29/2014	Battery OK	OK
24123	25123	Bent entr of Clear Lake	CENTRAL	26	TX	0K67968	F15	KR03	2015	12/29/2014	12/18/2014	Battery OK	Invalid Check
24123	25123	Bent entr of Clear Lake	CENTRAL	26	TX	0K59192	F15	KR03	2015	12/18/2014			No Check Performed
24123	25123	Bent entr of Clear Lake	CENTRAL	26	TX	D138848	F02	YE43	2015	12/29/2014			No Check Performed
24123	25123	Bent entr of Clear Lake	CENTRAL	26	TX	0F93752	F16	KU63	2015	12/29/2014	11/14/2014	Battery OK	Invalid Check
24557	25123	Bent entr of oradel	CENTRAL	26	TX	VX64633	I12	2Z23	2014	12/16/2014	12/13/2014	Manual input	Unknown
24557	25123	Bent entr of oradel	CENTRAL	26	TX	D160793	F13	LX93	2015	12/5/2014			European Delivery, awaiting Keyread 2nd Delivery
24557	25123	Bent entr of oradel	CENTRAL	26	TX	VX64633	I12	2Z23	2014	12/16/2014	12/13/2014	Manual input	Unknown
24557	25123	Bent entr of oradel	CENTRAL	26	TX	VX64633	I12	2Z23	2014	12/16/2014	12/13/2014	Manual input	Unknown

Explanation about color codes:

Green	The battery was checked based on key data not earlier than 10 days to the in-Service date of the car
Yellow	- The battery was no checked with a key read. Instead of that, a manual record was put in with the BatteryCare application not earlier than 10 days to the in-Service date of the car(Battery Status: "Unknown") - The car is an "European Delivery" and did not have its 2nd delivery so far
Red	- There was no successful battery check performed on retail with the BatteryCare application(Battery Status: "No Check Peformed") - The BatteryCare application has a battery check on file but more than 10 days prior to the in-service date of the particular vehicle(Battery Status: "Invalid Check") - The last status which was recorded in BatteryCare was "Replace Battery"

2019 BMW Group Battery Log Form

Stock# _____

VDC USE: Chassis #: _____
 Battery (12V)/Kombi _____ Volts/SOC%
 Battery (Hybrid) _____ SOC%
 Date _____/_____/_____
 Inspector _____

This form should be filled out when the vehicle is received and updated according to the proper procedure (display vs. storage vehicle). It should be placed in the vehicle history file when sold.

Note: Failure to maintain batteries as recommended and documented with this form will be considered sufficient cause to reject warranty claims.

 Vehicle Receipt		Model	Chassis#	
Center #	Voltage as received	Inspected by		Date received

ⓑ Vehicle In Storage - Checked Every 4 Weeks

Color indicates battery is to be checked during the week of . . .

Week Of	Voltage (12V)/LED	Voltage Hybrid	Charged By	Week Of	Voltage (12V)/LED	Voltage Hybrid	Charged By	Week Of	Voltage (12V)/LED	Voltage Hybrid	Charged By	Week Of	Voltage (12V)/LED	Voltage Hybrid	Charged By
		01234F				01234F				01234F				01234F	
Dec. 24				Dec. 31				Jan. 7				Jan. 14			
Jan. 21				Jan. 28				Feb. 4				Feb. 11			
Feb. 18				Feb. 25				Mar. 4				Mar. 11			
Mar. 18				Mar. 25				April 1				April 8			
April 15				April 22				April 29				May 6			
May 13				May 20				May 27				June 3			
June 10				June 17				June 24				July 1			
July 8				July 15				July 22				July 29			
Aug. 5				Aug. 12				Aug. 19				Aug. 26			
Sept. 2				Sept. 9				Sept. 16				Sept. 23			
Sept. 30				Oct. 7				Oct. 14				Oct. 21			
Oct. 28				Nov. 4				Nov. 11				Nov. 18			
Nov. 25				Dec. 2				Dec. 9				Dec. 16			

(C) Display Vehicle - Monitored Daily

[illegible]

Battery Log Form

This form should be filled out when the vehicle is received and updated according to the proper procedure (display vs. storage vehicle). It should be placed in the vehicle history file when sold.

Note: Failure to maintain batteries as recommended and documented with this form will be considered sufficient cause to reject warranty claims.

 Vehicle Receipt		Model		VIN	
Center #	Voltage as received		Inspected by		Date received

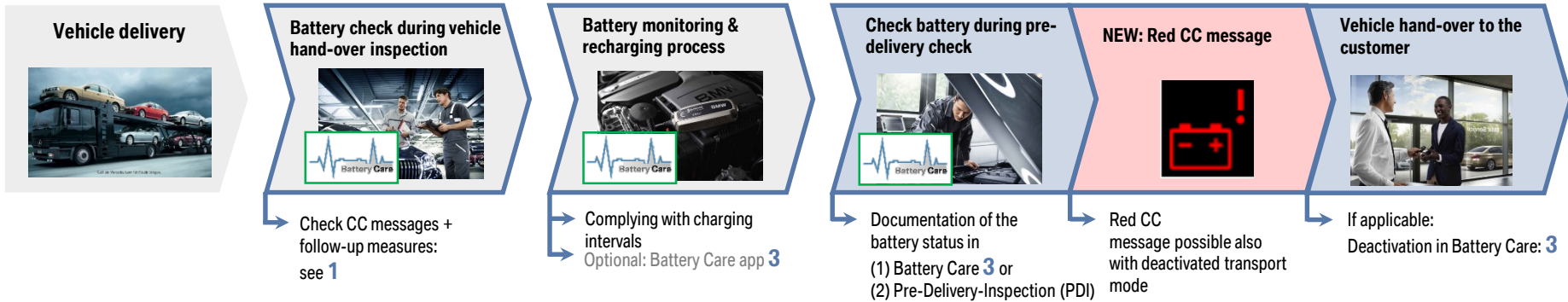
D Vehicle In Storage - Charged Every 3 Months

January	Date		February	Date		March	Date
Voltage Before Charge	Charged By		Voltage Before Charge	Charged By		Voltage Before Charge	Charged By
April	Date		May	Date		June	Date
Voltage Before Charge	Charged By		Voltage Before Charge	Charged By		Voltage Before Charge	Charged By
July	Date		August	Date		September	Date
Voltage Before Charge	Charged By		Voltage Before Charge	Charged By		Voltage Before Charge	Charged By
October	Date		November	Date		December	Date
Voltage Before Charge	Charged By		Voltage Before Charge	Charged By		Voltage Before Charge	Charged By

(C) Display Vehicle - Monitored Daily

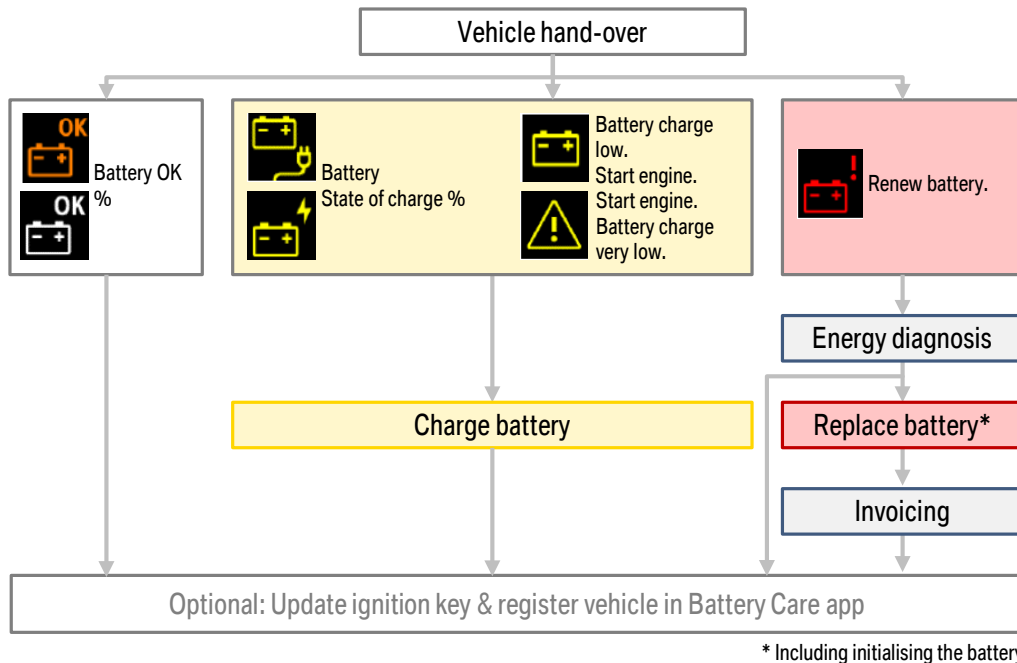
[illegible][illegible]

BATTERY CARE FOR NEW VEHICLES (1/2).



1 VEHICLE HAND-OVER FROM THE TRANSPORTER.

As a dealer, you have the right to receive a vehicle with a serviced battery.
To check this is the case, you should carry out the following steps:

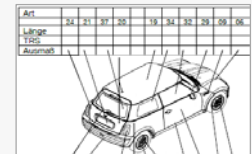


Invoicing

If you wish to exchange a battery because of a red CC message, you must first carry out the ISTA **Energy diagnosis** test module. A necessary battery exchange can be submitted within **24 hours** after vehicle hand-over as transport damage, with a refund claim. If available, use **Transport Quality Control (TQC)**. Under the "Damage" point, select the "Discharged battery" option.

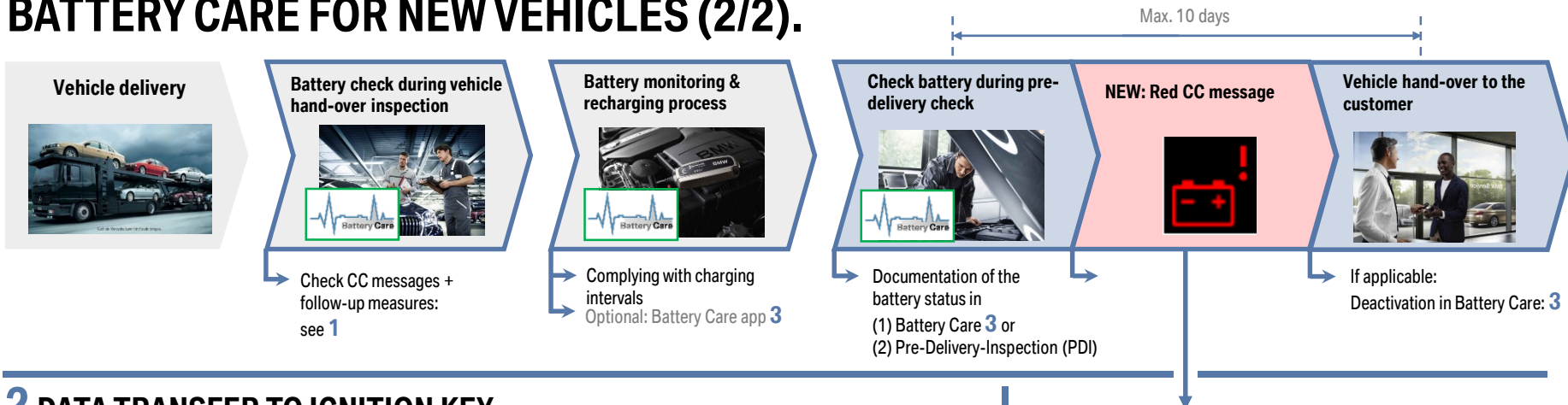
Schäden	
Ursache *:	10 TRANSPORTSCHADEN
Fahrzeugbereich *:	INNEN
Bauteil *:	BATTERIE NICHT ABGESCHALTET
Schaden *:	ENTLADENE BATTERIE
Hinzufügen Löschen	

If TQC is not available in your market, you must fill in the "Damage report" form.



Battery damage attributable to defective maintenance during transport must be submitted as transport damage – not as a warranty case level 4.

BATTERY CARE FOR NEW VEHICLES (2/2).



2 DATA TRANSFER TO IGNITION KEY.

Get into the car and close doors.

F-Series

1. Press start/stop button two times.*
2. Press the following:
 - a) Press and hold central locking system.
 - b) Press and release start/stop button.*
 - c) Release central locking system.
3. Hold ignition key front directly to key symbol at steering column. Hold still.
Check Control message "service data will be updated".
4. An acoustic symbol after 3 - 5 seconds signals successful data transfer. The CC message disappears. If no acoustic signal sounds at the end, a fault message will be displayed.

*Do not start engine.

G-Series

1. Press the following combination:
 - a) Press and hold central locking system.
 - b) Press start/stop button 3 x within 4 seconds and release.*
 - c) Release central locking system.
2. Within the next 10 seconds, hold ignition key front directly to key symbol on the steering column. Hold still.
Check Control message "service data will be updated".
3. 2 acoustic signals after a few seconds signal successful data transfer. The CC message disappears.
If no acoustic signal sounds, a fault message will be displayed.

*Do not start engine.

NEW

Red CC message is also possible with transport mode deactivated

- If a battery has undergone exhaustive discharge, it was damaged in advance.
- A red CC message appears in the instrument cluster.
- This can only be deleted by exchanging the battery.
- Vehicle is not allowed to be handed over to the customer with a red CC message.

➔ Damaged batteries must be exchanged before the hand-over to the customer!

3 BATTERY CARE WEB APP.

