MITSUBISHI MOTORS

SERVICE BULLETIN

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CORRECTION	ISSUE NO. : MSB-11E54-514E	DATE : 2012-02-20
SUBJECT : MAIN BATTERY CAPACITY AUTOMATIC MEASUREMENT		<MODEL> (EUR) i-MiEV (HA3W) <M/Y> 12
GROUP : ELECTRIC MOTOR UNIT AND MAIN BATTERY		

1. Description:

In Group 54 ELECTRIC MOTOR UNIT AND MAIN BATTERY, description regarding the main battery capacity automatic measurement has been incorrect. This Service Bulletin contains the correct description.

2. Applicable Manual:

Manual	Pub. No.	Title (Info-ID)	Attached Sheet
2012 i-MiEV Workshop Manual CD-ROM	CHAE12E1-CD (English) CHAF12E1-CD (French) CHAG12E1-CD (German) CHAS12E1-CD (Spanish) CHAI12E1-CD (Italian)	Main Battery Capacity Automatic Measurement (M549-45-570-05000-01)	Attached sheet 2

There may be some attached sheets not included in this Service Bulletin because they are not applicable to your market. Their sheet numbers are not listed in the above table.

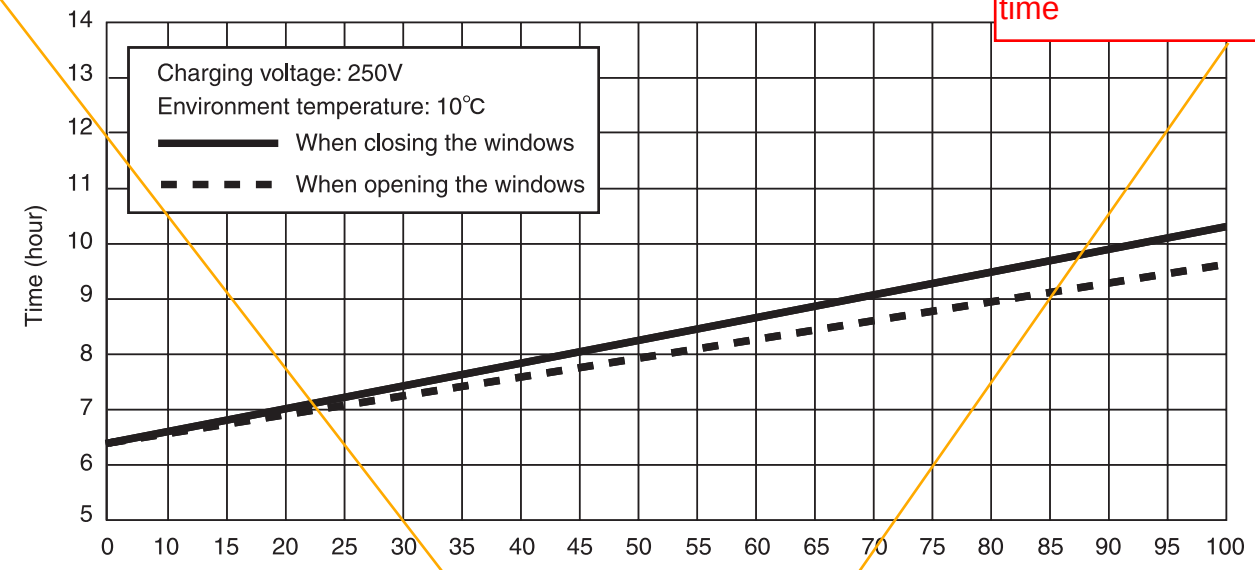
3. Corrected Specifications:

See Attached sheet 2.

ELECTRIC MOTOR UNIT AND MAIN BATTERY
BATTERY MANAGEMENT UNIT (BMU) AND MAIN BATTERY

Simplified chart of main battery auto capacity measurement time

~~Simplified chart of charging and discharging time~~



BMU data list before work, Item No. 2: Charge state (Display) (%)

NOTE: Use the data of the ~~SIMPLIFIED CHART OF CAPACITY MEASUREMENT TIME~~ as a guide.
The readings change depending on ambient temperature.

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9. Record values for

Delete

NOTE:

- *Capacity measurement time can be reduced if dow is fully closed.*

Rev E: Replace Attached sheet2(1/4～2/4) → Attached sheet2(3/4～4/4)

5. Select the "BMU" from the System Select Screen of th
6. Sele Screen.
7. Select the "Main Battery Capacity Automatic Measurement" from the Special Function Screen and do it. If errors occur, restart from the step 2. When any malfunction has been found, perform troubleshooting.

Delete

- *Check that the "Execution status" displayed on the M.U.T.-III is "Executing". If "Not Completed" or "Not Executed" is displayed, check "Error state", then restart from the step 2.*
- *Check "Automatic Capacity Measurement Result History 1" and "Automatic Capacity Measurement ODO Value(Result History 1)" displayed on the M.U.T.-III.*

8. Turn on the air conditioner under the following conditions.

10

<Air conditioner operating conditions>

- Electric motor switch: LOCK
- Air flow: largest
- setting temperature: highest
- A/C switch: ON
- MAX switch: ON

11 → 9. Check that "Capacity Measurement Discharge Current" is "ON". If "NG/Not Executed" is displayed, restart from the step 8. ← 10

12 → 10. Leave the vehicle until the charging lamp goes out.

NOTE: Even if the M.U.T.-III is disconnected during this, the procedures cannot be affected.

13 → 11. Select the "BMU" from the System Select Screen of the M.U.T.-III.

14 → 12. Select the "Special Function" from the BMU Screen.

15 → 13. Select the "Main Battery Capacity Automatic Measurement" from the Special Function Screen

Delete → ~~and do it.~~

When any malfunction has been found, perform troubleshooting.

Note:Recorded values are used in step 17.

16 → 14. Check that the "Execution status" displayed on the M.U.T.-III is "Completed". If "Not Completed" or "Not Executed" is displayed, check "Error status" , then restart from the step 2.

17 → 15. Check that "Au
Result History
Measurement (
updated. If not updated, restart from the step 2.

⚠ CAUTION

Do not operate the electric motor switch or disconnect the charging cable during procedure 2 to 13. If make a mistake during the work or stop

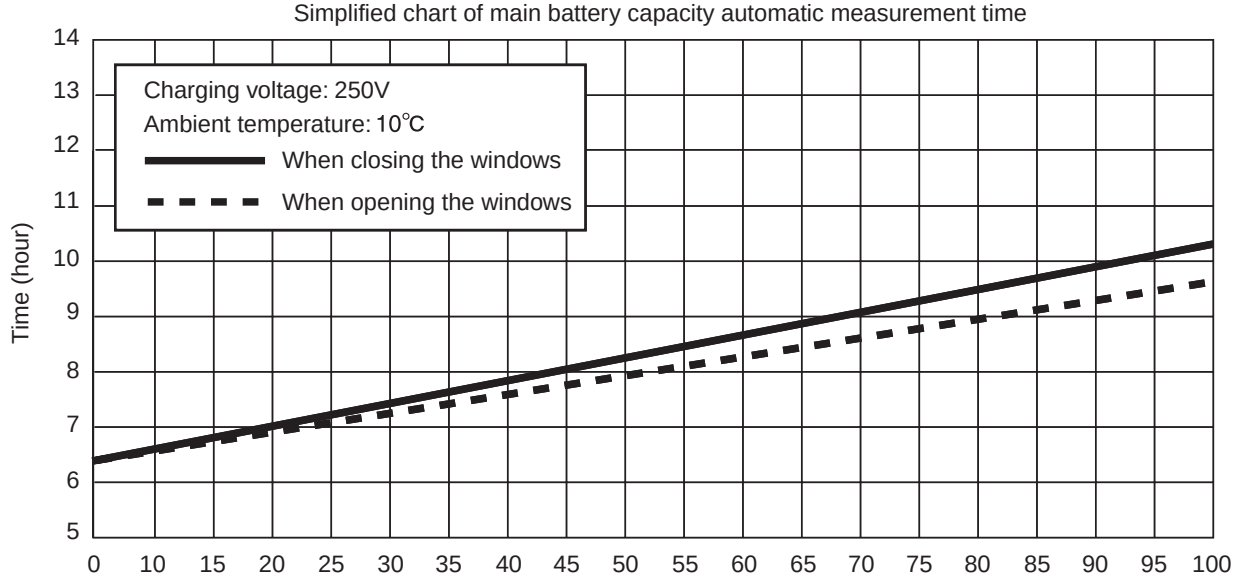
Rev E: Replace Attached sheet2(1/4～2/4) → Attached sheet2(3/4～4/4)

judged and charging may be stopped before the full segment on the battery level indicator is shown.

values for

15

Simplified chart of main battery capacity automatic measurement time



NOTE: Use the data of the Simplified chart of main battery capacity automatic measurement time as a guide. The readings depend on ambient temperature.

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5. Select the "BMU" from the System Select Screen of the M.U.T.-III.
6. Select the "Special Function" from the BMU Screen.
7. Select the "Main Battery Capacity Automatic Measurement" from the Special Function Screen. When any malfunction has been found, perform troubleshooting.

   NOTE: Recorded values are used in step 18.

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8. Check that the "Execution status" displayed on the M.U.T.-III is "Executing". If "Not Completed" or "Not Executed" is displayed, check "Error state" , then restart from the step 2.
9. Recorded values for "Automatic Capacity Measurement Result History 1" and "Automatic Capacity Measurement ODO Value(Result History 1)" will be displayed on the M.U.T.-III.
10. Turn on the air conditioner under the following conditions.

<Air conditioner operating conditions>

- Electric motor switch: LOCK
- Air flow: largest
- setting temperature: highest
- A/C switch: ON
- MAX switch: ON

NOTE: Capacity measurement time can be reduced if executed while the power window is fully open compared to the execution while the power window is fully closed.

11. Check that "Capacity Measurement Discharge Current" is "ON". If "NG/Not Executed" is displayed, restart from the step 10.
12. Leave the vehicle until the charging lamp goes out.

    NOTE: Even if the M.U.T.-III is disconnected during this, the procedures cannot be affected.
13. Turn on the electric motor switch .
14. Select the "BMU" from the System Select Screen of the M.U.T.-III.
15. Select the "Special Function" from the BMU Screen.
16. Select the "Main Battery Capacity Automatic Measurement" from the Special Function Screen. When any malfunction has been found, perform troubleshooting.
17. Check that the "Execution status" displayed on the M.U.T.-III is "Completed". If "Not Completed" or "Not Executed" is displayed, check "Error status" , then restart from the step 2.
18. Check that values for "Automatic Capacity Measurement Result History 1" and "Automatic Capacity Measurement ODO Value(History 1)" are updated. If not updated, restart from the step 2.

⚠ CAUTION

Do not operate the electric motor switch or disconnect the charging cable during procedure 2 to 12. If make a mistake during the work or stop the charging inadvertently before the battery is fully charged, restart from the beginning. Under low temperature condition, full charge may be judged and charging may be stopped before the full segment on the battery level indicator is shown.

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