SERVICE BULLETIN

MITSUBISHI MOTORS

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : INFORMATION	ISSUE NO. : MSB-12EXL00-006	DATE : 2012-10-23	
SUBJECT : BMU LEARNING VALUE MANUAL WRITTEN		<Destination/Model> (EUR/MMAL/NZ)	<M/Y> 13-13.5
GROUP : GENERAL		i-MiEV(HA3W)	

1. Description:

See the attached sheets for the information about the change of mention in the applicable service manual.

2. Applicable manual:

EU	2013 i-MiEV SERVICE MANUAL	CHAE13E1-CD(Eng) CHAF13E1-CD(Fre) CHAG13E1-CD(Ger) CHAS13E1-CD(Spa) CHAI13E1-CD(Ita)	GENERAL DATA AND SPECIFICATIONS (M001-00-097-08700-01)	Attached sheet 2
	2013.5 i-MiEV SERVICE MANUAL	CHAE13E1-CD(Eng) CHAF13E1-CD(Fre) CHAG13E1-CD(Ger) CHAS13E1-CD(Spa) CHAI13E1-CD(Ita)	PROCEDURES FOR WRITING BMU LEARNING VALUE (M001-02-100-02202-01)	Attached sheet 3
MMAL MMNZ	2013 i-MiEV SERVICE MANUAL	MMAL:AU900303 MMNZ:DRAFT	GENERAL DATA AND SPECIFICATIONS (M001-00-097-04300-01)	Attached sheet 4

3. Details:

See the attached sheets

Attached sheet 2 (1/3)

Item				HA3W	
				LDDL6	LDDR6
Vehicle dimension mm	Front track		1	1,310	1,310
	Overall width		2	1,475	1,475
	Front overhang		3	500	500
	Wheel base		4	2,550	2,550
	Rear overhang		5	425	425
	Overall length		6	3,475	3,475
	Ground clearance (unladen)		7	150	150
	Overall height (unladen)		8	1,610	1,610
	Rear track		9	1,270	1,270
Vehicle weight kg	Kerb weight	Without full optional parts		1,110	1,110
		With full optional parts		1,113	1,113
	Max. gross vehicle weight			1,450	1,450
	Max. axle weight rating-front			640	640
	Max. axle weight rating-rear			810	810
Seating capacity				4	4
Main battery	Type			Lithium ion battery	Lithium ion battery
	Total voltage V			330	330
	Total electric energy kWh			16	16
Electric motor	Model No.			Y4F1	Y4F1
	Type			Permanent magnet synchronous motor	Permanent magnet synchronous motor
	Rated output kW			35	35
	Max. output kW/rpm			49/2,500 – 8,000	49/2,500 – 8,000
	Max. torque N·m/rpm			180/0 – 2,000	180/0 – 2,000
Transmission	Model code			F1E1A	F1E1A
	Type			Without shifting function	Without shifting function
Turning radius m				4.5	4.5

<Added>

From Attached sheet 2 (2/3～3/3)

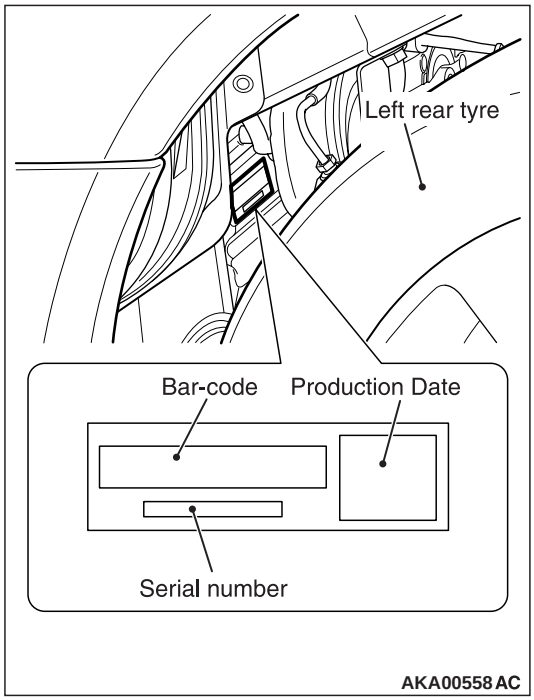
PRECAUTIONS BEFORE SERVICE

PROCEDURES FOR WRITING BMU LEARNING VALUE

M1001021000077

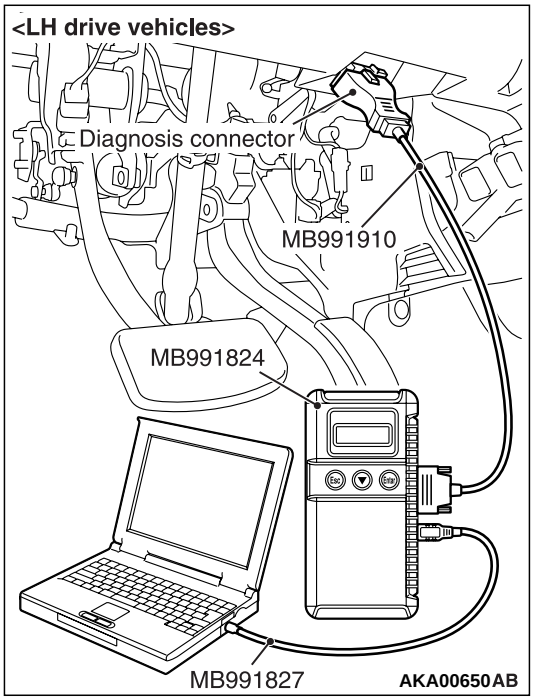
BMU LEARNING VALUE MANUAL WRITTEN

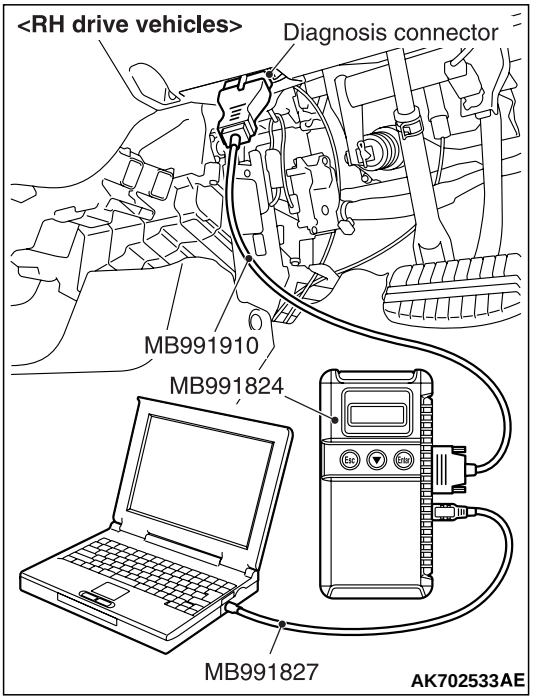
NOTE: When the BMU learning value cannot be saved or when the battery for the auxiliary is removed for more than month, these procedures must be handled. Do not handle those for any other purposes.



1. Check the label attached to the main battery from the left rear wheel to check the manufacturing date.

   NOTE: Depending on the manufacturing date, the label may not be attached. If the label is not attached, check the production timing from the vehicle number to regard it as the manufacturing date of the main battery.
2. Calculate how many months elapsed from the next month of the manufacturing date of the main battery to this moment.





3. Connect the M.U.T.-III to the diagnosis connector with the electric motor switch in the "LOCK" (OFF) position.
4. Turn the electric motor switch to the ON position.
5. Check the driving distance (km) from the odometer shown on the combination meter and store the driving distance (km).

   NOTE: If the combination meter was replaced in past days, check the driving distance (km) shown on the maintenance sheet.

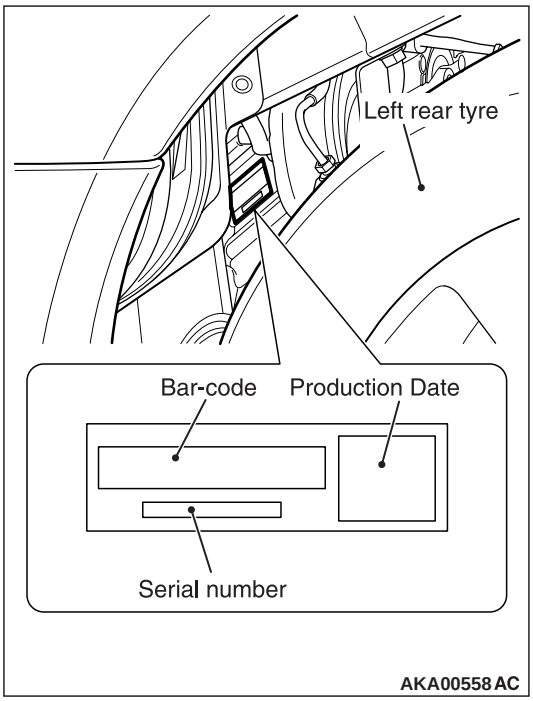
6. From the System select Screen of the M.U.T.-III, select the "BMU".
7. Select the "Special Function" from the BMU Screen.
8. Select the "Write learned value (change ECU)" from the Special Function Screen.
9. Select the "Manual writing" from the Write learned value (change ECU) Screen.
10. Input the number of month calculated in the Step 2 to the "Sum total time back up (month)" from the Manual writing Screen. Write the BMU learning value.
11. Input the driving distance (km) checked in the Step 5 to the "Mileage" from the Manual writing Screen. Write the BMU learning value.

    NOTE: When the BMU learning value is correctly written, the "Completed" should be displayed on the scan tool MB991958 Screen.
12. Turn the electric motor switch to the "LOCK" (OFF) position.
13. Measure the main battery capacity. (Refer to GROUP 54D – Battery Management Unit (BMU) and Main Battery – On-vehicle Service – Main Battery Capacity Measurement).

Attached sheet 3 (1/2)

BMU LEARNING VALUE MANUAL WRITTEN

NOTE: When the BMU learning value cannot be saved or when the battery for the auxiliary is removed for more than month, these procedures must be handled. Do not handle those for any other purposes.



1. Check the label attached to the main battery from the left rear wheel to check the manufacturing date.

   NOTE: Depending on the manufacturing date, the label may not be attached. If the label is not attached, check the production timing from the vehicle number to regard it as the manufacturing date of the main battery.
2. Calculate how many months elapsed from the next month of the manufacturing date of the main battery to this moment.

<New>

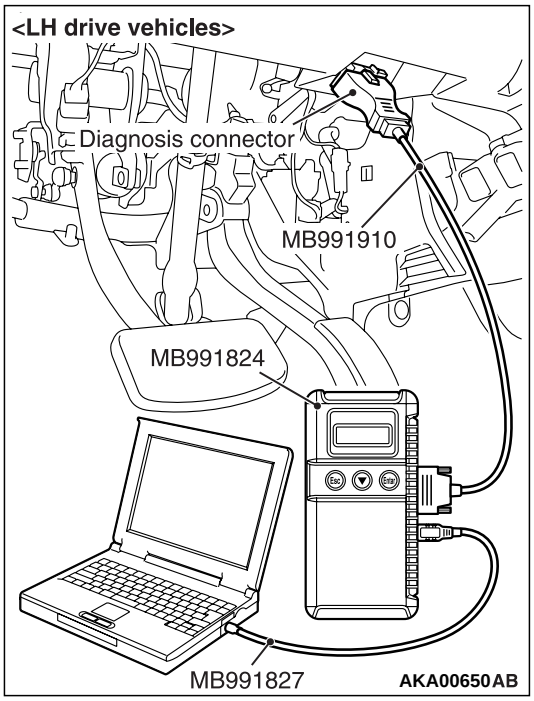
5.Check the driving distance (km) from the odometer shown on the combination meter and store the driving distance (km).
NOTE: If the combination meter was replaced in past days, check the driving distance (km) shown on the maintenance sheet.

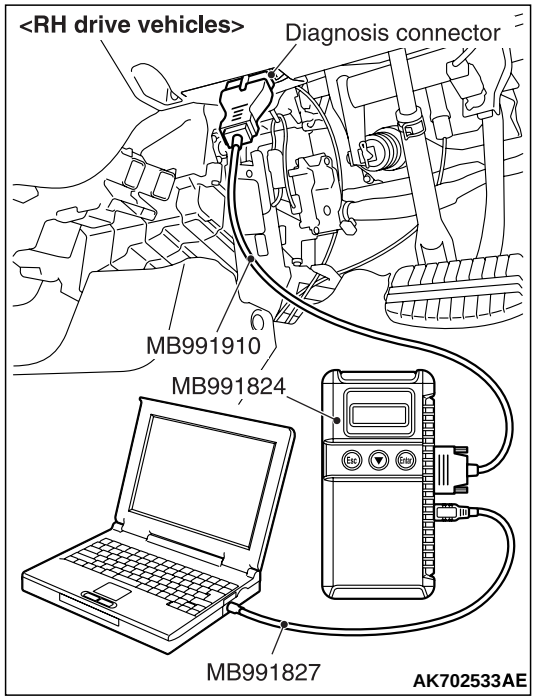
6.From the System select Screen of the M.U.T.-III, ·····

7.Select the "Special Function" from the BMU Screen.

8.Select the "Write learned value (change ECU)" ·····

9.Select the "Manual writing" from the Write learned·····





3. Connect the M.U.T.-III to the diagnosis connector with the electric motor switch in the "LOCK" (OFF) position.
4. Turn the electric motor switch to the ON position.
5. From the System select Screen of the M.U.T.-III, select the "BMU".
6. Select the "Special Function" from the BMU Screen.
7. Select the "Write learned value (change ECU)" from the Special Function Screen.
8. Select the "Manual writing" from the Write learned value (change ECU) Screen.

<Old>

9. Input the number of month calculated in the Step 2 to the "Sum total time back up (month)" from the Manual writing Screen. Write the BMU learning value.

   NOTE: When the BMU learning value is correctly written, the "Completed" should be displayed on the M.U.T.-III Screen.

10. Turn the electric motor switch to the "LOCK" (OFF) position.
11. Measure the main battery capacity. (Refer to GROUP 54D – Battery Management Unit (BMU) and Main Battery – On-vehicle Service – Main Battery Capacity Measurement).

<Old>

10. Input the number of month calculated in the Step 2 to the "Sum total time back up (month)" from the Manual writing Screen. Write the BMU learning value.

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12. Turn the electric motor switch to ・・・・・・

13. Measure the main battery capacity.・・・・・・

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GENERAL DATA AND SPECIFICATIONS

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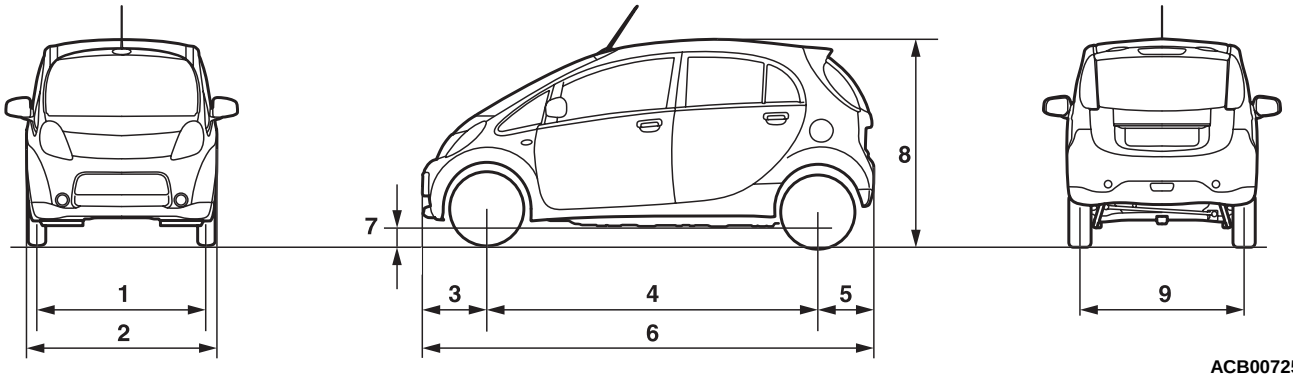

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Item			HA3W LDDR8
Vehicle dimension mm	Front track	1	1,310
	Overall width	2	1,475
	Front overhang	3	500
	Wheel base	4	2,550
	Rear overhang	5	425
	Overall length	6	3,475
	Ground clearance (unladen)	7	150
	Overall height (unladen)	8	1,610
	Rear track	9	1,270
Vehicle weight kg	Kerb weight		1,110
	Max. gross vehicle weight		1,450
	Max. axle weight rating-front		640
	Max. axle weight rating-rear		820
Seating capacity			4
Main battery	Type		Lithium ion battery
	Total voltage V		330
	Total electric energy kWh		16
Electric motor	Model No.		Y4F1
	Type		Permanent magnet synchronous motor
	Rated output kW		35
	Max. output kW/rpm		49/2,500 – 8,000
	Max. torque N·m/rpm		180/0 – 2,000
Transmission	Model code		F1E1A
	Type		Without shifting function
Turning radius m			4.5

<Added>

From Attached sheet 4 (2/3～3/3)

PRECAUTIONS BEFORE SERVICE

PROCEDURES FOR WRITING BMU LEARNING VALUE

M1001021000088

BMU LEARNING VALUE MANUAL WRITTEN

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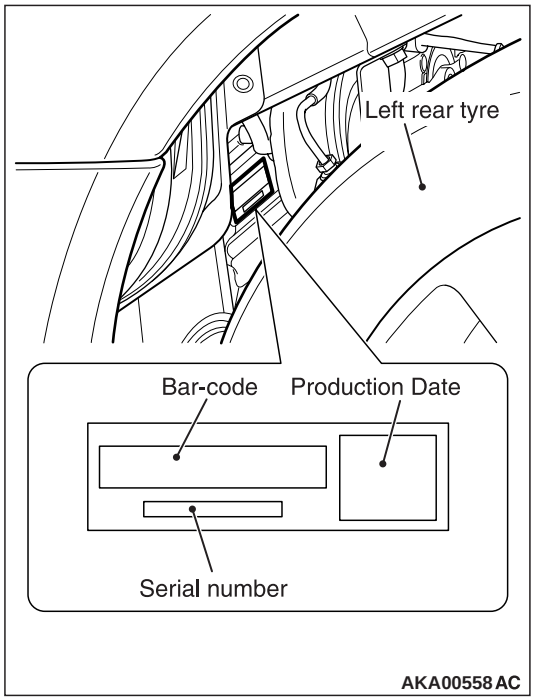

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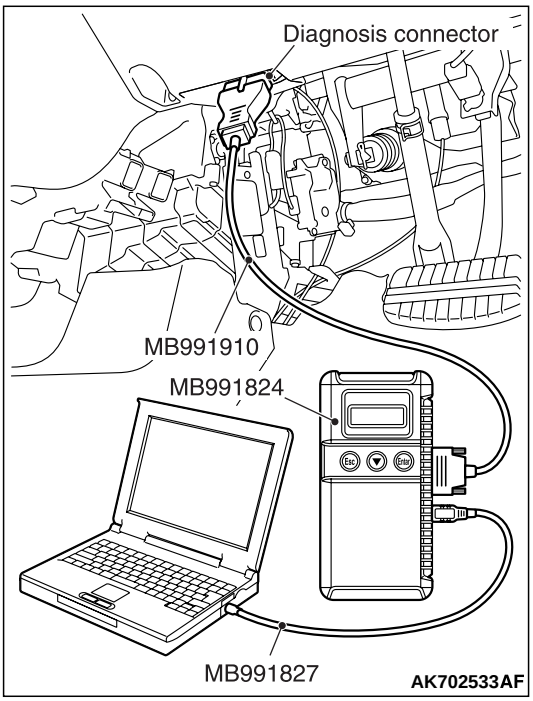
2. Calculate how many months elapsed from the next month of the manufacturing date of the main battery to this moment.



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