SERVICE BULLETIN

MITSUBISHI MOTORS

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CHANGE	ISSUE NO. : MSB-13EXL54-002	DATE : 2013-07-19
SUBJECT : CHECK PROCEDURE FOR EACH MULTIINFORMATION DISPLAY SCREEN		<Destination/Model> (EUR/MMAL/NZ) <M/Y> 14
GROUP : CHASSIS ELECTRICAL		OUTLANDER PHEV(GF0W)

1. Description :

Please refer to the attached document for the information about the change of mention in the applicable service manual.

2. Applicable service manual :

Please refer to the attached document

3. About the details :

Please refer to the attached document

※ **Effective time : From the vehicle produced initially**

EU

Applicable manual	Pub No.	Applicable title (INFO ID)	Contents
2014 OUTLANDER PHEV Workshop Manual	CGFE14E1-CD (Eng) CGFF14E1-CD (Fre) CGFG14E1-CD (Ger) CGFS14E1-CD (Spa) CGFI14E1-CD (Ita)	CHECK PROCEDURE FOR EACH MULTI INFORMATION DISPLAY SCREEN (M540-20-191-26400-01)	Attached sheet 2
		Code No. P1AB5: CMU01 Module Temperature Abnormal (low input), Code No. P1AB6: CMU02 Module Temperature Abnormal (low input), Code No. P1AB7: CMU03 Module Temperature Abnormal (low input), Code No. P1AB8: CMU04 Module Temperature Abnormal (low input), Code No. P1AB9: CMU05 Module Temperature Abnormal (low input), Code No. P1ABB: CMU07 Module Temperature Abnormal (low input), Code No. P1ABC: CMU08 Module Temperature Abnormal (low input), Code No. P1ABD: CMU09 Module Temperature Abnormal (low input), Code No. P1ABE: CMU10 Module Temperature Abnormal (low input), Code No. P1ABF: CMU11 Module Temperature Abnormal (low input) （M549-45-540-09300-01）	Attached sheet 3

MMAL/NZ

Applicable manual	Pub No.	Applicable title (INFO ID)	Contents
2014 OUTLANDER/ OUTLANDER PHEV Workshop Manual	MMAL:AU900408 NZ:DRAFT	CHECK PROCEDURE FOR EACH MULTI INFORMATION DISPLAY SCREEN (M540-20-191-27500-01)	Attached sheet 2
		Code No. P1AB5: CMU01 Module Temperature Abnormal (low input), Code No. P1AB6: CMU02 Module Temperature Abnormal (low input), Code No. P1AB7: CMU03 Module Temperature Abnormal (low input), Code No. P1AB8: CMU04 Module Temperature Abnormal (low input), Code No. P1AB9: CMU05 Module Temperature Abnormal (low input), Code No. P1ABB: CMU07 Module Temperature Abnormal (low input), Code No. P1ABC: CMU08 Module Temperature Abnormal (low input), Code No. P1ABD: CMU09 Module Temperature Abnormal (low input), Code No. P1ABE: CMU10 Module Temperature Abnormal (low input), Code No. P1ABF: CMU11 Module Temperature Abnormal (low input) （M549-45-540-10100-01）	Attached sheet 3

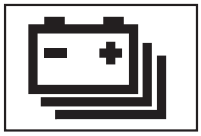
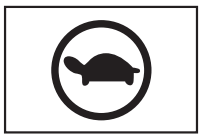
CHECK PROCEDURE FOR EACH MULTI INFORMATION DISPLAY SCREEN

CAUTION

When there are TV towers, substations, or broadcasting stations which emit strong radio waves in proximity, on rare occasions, a warning is displayed on the multi information screen for a few seconds. This is caused by the reception of strong radio waves, and there is no functional problem.

WARNING SCREEN

When malfunctions occur to the vehicle, the following warning screens are displayed. If these screens are not displayed normally or if they continue to be displayed even after the factor is eliminated, take measures according to the action procedure.

Display content	Message	Factor	Action procedure
 ACC06232	RBS SERVICE REQUIRED	Displayed when the Regenerative brake is defective.	If the warning screen is not displayed normally or if the screen continues to be displayed, check the regenerative brake system diagnosis code. Refer to GROUP 22D – Diagnosis Code Chart.
 ACC06227	CHARGING SYSTEM SERVICE REQUIRED	Displayed when fuel level or drive battery charged level is low.	If the warning screen is not displayed normally or if the screen continues to be displayed, perform the troubleshooting for the BMU, Drive battery. Refer to GROUP 54D – Diagnosis code chart.
 ACC06228	LIMITED DRIVING MODE	Displayed when drive limitations are activated as the drive battery charged level is low or the plug-in hybrid EV system is too hot or cold.	

<Added>

 ACD03002	BATTERY TOO COLD	Displayed when the temperature in the module reduces to -30℃ or less.	If the warning screen is not displayed normally or if the screen continues to be displayed, perform the troubleshooting for the BMU, Drive battery. Refer to GROUP 54D - Diagnosis code chart.

Attached sheet 3

Code No. P1AB5: CMU01 Module Temperature Abnormal (low input),
Code No. P1AB6: CMU02 Module Temperature Abnormal (low input),
Code No. P1AB7: CMU03 Module Temperature Abnormal (low input),
Code No. P1AB8: CMU04 Module Temperature Abnormal (low input),
Code No. P1AB9: CMU05 Module Temperature Abnormal (low input),
Code No. P1ABB: CMU07 Module Temperature Abnormal (low input),
Code No. P1ABC: CMU08 Module Temperature Abnormal (low input),
Code No. P1ABD: CMU09 Module Temperature Abnormal (low input),
Code No. P1ABE: CMU10 Module Temperature Abnormal (low input),
Code No. P1ABF: CMU11 Module Temperature Abnormal (low input)

TROUBLE JUDGEMENT

Check Conditions

- The power supply mode of the electric motor switch is ON, or the drive battery starts to be charged.
- The following diagnosis code is not stored.
  a. P1AA8: Local CAN (for drive battery) signal time-out

Judgement Criterion

- The module temperature is less than or equal to the specified value.

FAIL-SAFE AND BACKUP FUNCTION

- Not available

PROBABLE CAUSE

- The module (battery cell, CMU and module temperature sensor) in the drive battery is failed.

<Added>

• Any of these codes are stored when the temperature in the module reduces to -30℃ or less.
⚠ CAUTION
Code No. P1AB5 to P1ABF may be stored when "BATTERY TOO COLD" is displayed on the multi-information display. Check the freeze frame data and ask your customer whether ambient temperature was -30℃.

DIAGNOSIS PROCEDURE

STEP 1. M.U.T.-III data list

- Check the data list reference table corresponding to the diagnosis code (Refer to).

  OK: At ambient temperature (atmospheric temperature) or equivalent (when the vehicle driving and the charge are not performed for a long time)

Q: Is the check result normal?

YES : Intermittent malfunction (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points – How to Cope with Intermittent Malfunctions).

NO : Go to Step 2.

STEP 2. M.U.T.-III data list

- Check the CMU having a malfunction.
- Reset the information about the malfunction of the CMU (Refer to GROUP 00 – Precautions Before Service – CMU