



# SERVICE BULLETIN

AFTERSALES SERVICE OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : INFORMATION	ISSUE NO. : MSB-07E42-014	DATE : 2007-12-05
SUBJECT : FREEZE FRAME DATA FOR KOS-ECU	<div> <div>&lt;MODEL&gt;</div> <div>(EUR)</div> <div>OUTLANDER</div> <div>(GS45X)(CW0W)</div> </div> <div> <div>&lt;M/Y&gt;</div> <div>08</div> </div>	
GROUP : KOS		

## 1. Description:

Since the freeze frame data output for the KOS-ECU has indicated wrong values, the freeze frame data-related descriptions are deleted in the applicable Workshop Manual. This Service Bulletin contains the modified descriptions.

## 2. Applicable Manual:

Manual	Pub. No.	Title (Info-ID)	Attachment
2008 OUTLANDER Workshop Manual CD-ROM	CGXE08E1-CD (English) CGXS08E1-CD (Spanish) CGXF08E1-CD (French) CGXG08E1-CD (German)	Diagnostic Function (M429-60-540-06000-01)	Attachment 1

### 3. Details:

Attachment 1

## TROUBLESHOOTING

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### STANDARD FLOW OF DIAGNOSTIC TROUBLESHOOTING

M1429604400078

Refer to GROUP 00 – How to Use Troubleshooting/ Inspection Service Points.

### DIAGNOSTIC FUNCTION

M1429605400060

### HOW TO READ DIAGNOSIS CODE

Refer to GROUP 00 – How to Use Troubleshooting and Inspection Service Points.

### HOW TO ERASE DIAGNOSIS CODE

Refer to GROUP 00 – How to Use Troubleshooting and Inspection Service Points.

### CHECK OF FREEZE FRAME DATA

The freeze frame data can be checked by using M.U.T.-III (Refer to GROUP 00 – How to Use Troubleshooting and Inspection Service Points – Diagnosis Function).

When detecting fault and storing the diagnosis code, the ECU connected to CAN bus line obtains the data before the determination of the diagnosis code and the data when the diagnosis code is determined, and then stores the ECU status of that time. By analysing each data from M.U.T.-III, the troubleshooting can be performed more efficiently. The displayed items are as the table below.

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### Display item list

Item No.	Item name	Data item	Unit
1	Odometer	Total driving distance after the diagnosis code is generated	km
2	Ignition cycle	Number of times the ignition switch is turned "ON" or "LOCK (OFF)" after the past failure transition	Number of counts is displayed.
4	Accumulated minute	Cumulative time for current malfunction of diagnosis code	min