SERVICE BULLETIN

MITSUBISHI MOTORS

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CORRECTION	ISSUE NO. : MSB-12E17-501A	DATE : 2012-05-16
SUBJECT : DIAGNOSIS CODE B1301		<MODEL> (EUR) <M/Y> 11/12
GROUP : EMISSION CONTROL		LANCER(CY0A)/LANCER SPORTBACK(CX0A)/ASX(GA0W)

1. Description:

An incorrect description about the diagnosis codes B1301 have been found in the applicable Service Manual. This contains the corrected information.

2. Applicable Manual :
See Attached sheet 1

3. Details:

See Attached sheet 3

＜For overseas market＞

Destination	Applicable manual	Pub.No.	Applicable title & INFO.ID	Content
EU	2011 LANCER/LANCER SPORTBACK WORKSHOP MANUAL	CGSE11E1-CD (English) CGSF11E1-CD (French) CGSG11E1-CD (German) CGSI11E1-CD (Italian) CGSS11E1-CD (Spanish)	CODE No.B1301: DC/DC Converter Performance Malfunction ~~M177-00-390-01000-01~~ M177-00-140-03100-01 A	Attached sheet 3
	2012 LANCER/LANCER SPORTBACK WORKSHOP MANUAL	CGSE12E1-CD (English) CGSF12E1-CD (French) CGSG12E1-CD (German) CGSI12E1-CD (Italian) CGSS12E1-CD (Spanish)	CODE No.B1301: DC/DC Converter Performance Malfunction ~~M177-00-390-07500-01~~ M177-00-140-07500-01 A	
	2011 ASX WORKSHOP MANUAL	CGWE11E2-CD (English) CGWF11E2-CD (French) CGWG11E2-CD (German) CGWI11E2-CD (Italian) CGWS11E2-CD (Spanish)	CODE No.B1301: DC/DC Converter Performance Malfunction ~~M177-00-390-02000-01~~ M177-00-140-01900-01 A	
	2012 ASX WORKSHOP MANUAL	CGWE12E2-CD (English) CGWF12E2-CD (French) CGWG12E2-CD (German) CGWI12E2-CD (Italian) CGWS12E2-CD (Spanish)	CODE No.B1301: DC/DC Converter Performance Malfunction ~~M177-00-390-05300-01~~ M177-00-140-05300-01 A	

Attached sheet 3

STEP 6. Perform voltage measurement at C-64 AS&G-ECU connector.

- Disconnect connector, and measure at harness side.
- Ignition switch: ON
- Voltage between terminal No. 11 and earth.

OK: System voltage

Q: Is the check result normal?
YES : Go to Step 9.
NO : Go to Step 7.

STEP 7. Connector check: C-65 DC/DC converter connector

Q: Is the check result normal?
YES : Go to Step 8.
NO : Repair or replace the connector.

STEP 8. Check harness between C-64 (terminal No. 11) AS&G-ECU connector and C-65 (terminal No. 5) DC/DC converter connector

- Check output line for open/short circuit.

Q: Is the check result normal?
YES : Replace the DC/DC converter.
NO : Repair the damaged harness wire.

STEP 9. Perform voltage measurement at C-64 AS&G-ECU connector by back probing.

- Do not disconnect connector.
- Ignition switch: ON
- Voltage between terminal No. 11 and earth.

OK: 1 V or less

Q: Is the check result normal?
YES : Go to Step 11.
NO : Go to Step 10.

STEP 10. M.U.T.-III diagnosis code

- Reconfirmation of the diagnosis code.

Q: Is the diagnosis code set?
YES : Replace the AS&G-ECU.
NO : Intermittent malfunction (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points – How to Cope with Intermittent Malfunctions).

STEP 11. Connector check: C-65 DC/DC converter connector

Q: Is the check result normal?
YES : Go to Step 12.
NO : Repair or replace the connector.

STEP 12. Perform voltage measurement at C-65 DC/DC converter connector.

- Disconnect connector, and measure at harness side.
- Ignition switch: ON
- Voltage between terminal No. 4 and earth.

OK: System voltage <Incorrect>
4.3V <Correct>

Q: Is the check result normal?
YES : Go to Step 13.
NO : Check and repair harness between C-65 (terminal No. 4) DC/DC converter connector and C-64 (terminal No. 17) AS&G-ECU connector.
- Check signal line for short circuit.

STEP 13. Check harness between C-64 (terminal No. 11) AS&G-ECU connector and C-65 (terminal No. 5) DC/DC converter connector

- Check output line for damage.

Q: Is the check result normal?
YES : Go to Step 14.
NO : Repair the damaged harness wire.

STEP 14. Perform voltage measurement at C-65 DC/DC converter connector by back probing.

- Do not disconnect connector.
- Measure the voltage between terminal No. 7 and earth at auto start.
- Measure the voltage between terminal No. 8 and earth at auto start.
- Check the difference among the measured voltage of the terminal No. 7 and the measured voltage of the terminal No. 8.

OK: Under 0.3 V

Q: Is the check result normal?
YES : Go to Step 15.
NO : Replace the DC/DC converter.