SERVICE BULLETIN

MITSUBISHI MOTORS

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CORRECTION	ISSUE NO. : MSB-14EX23-501	DATE : 2014-01-13
SUBJECT : CVT		<DESTINATION/MODEL> (EUR/RUSSIA/G.EXP/GCC) <M/Y> 12-14
GROUP : CVT(Gr:23)		LANCER/LANCER EX(CY0A) OUTLANDER(GF0W)

1. Description :

Please refer to the attached document for the correction of the error in writing existing in the applicable service manual. (There are some errors in writing regarding CVT)

2. Affected service manuals :

Please refer to the attached document (Attached sheet 1)

3. About the details :

Please refer to the attached document (Attached sheet 7-8)

＜EU/RUSSIA＞

Applicable manual	Pub. No.	Applicable title (INFO-ID)	Content
2013 OUTLANDER Workshop Manual CD-ROM	CGFE13E1-CD (ENGLISH), CGFF13E1-CD (FRENCH), CGFG13E1-CD (GERMAN), CGFS13E1-CD (SPANISH), CGFI13E1-CD (ITALIAN) RUSSIA:N/A	CODE NO.P0944: ELECTRIC OIL PUMP FUNCTIONAL (M231-21-560-05900-01)	Attached sheet 7
2014 OUTLANDER / OUTLANDER PHEV Workshop Manual CD-ROM	CGFE14E1-CD (ENGLISH), CGFF14E1-CD (FRENCH), CGFG14E1-CD (GERMAN), CGFS14E1-CD (SPANISH), CGFI14E1-CD (ITALIAN) RUSSIA:N/A	CODE NO.P0944: ELECTRIC OIL PUMP FUNCTIONAL (M231-21-560-05900-01)	Attached sheet 7

＜G.EXP/GCC＞

Applicable manual	Pub. No.	Applicable title (INFO-ID)	Content
2012 LANCER/LANCER EX Workshop Manual CD-ROM	PWME1111R (ENGLISH), PWMS1112R (SPANISH)	CODE NO.P0944: ELECTRIC OIL PUMP FUNCTIONAL (M231-21-560-03700-01)	Attached sheet 8

Code No.P0944: Electric Oil Pump Functional <Vehicles with AS&G system>

DIAGNOSTIC FUNCTION
CVT-ECU monitors if the electric oil pump is operating normally.

JUDGMENT CRITERIA
During the auto stop (with the electric oil pump running), the line pressure remains lower than 0.06 MPa for longer than 5 seconds.

PROBABLE CAUSES
- Air mixed in
- Malfunction of electric oil pump
- Malfunction of ~~control sub valve assembly~~ <Incorrect> Valve assembly control <Correct> (stuck backflow prevention valve, clogged filter)
- Malfunction of CVT (clogged ~~sub~~ <Deleted> oil strainer)

DIAGNOSTIC PROCEDURE

STEP 1. M.U.T.-III data list
(1) Use the M.U.T.-III to bleed the air from the electric oil pump.(Refer to).
(2) Item 62: Electric oil pump air bleeding status

OK: "Completed" is displayed.

Q: Is the check result normal?

YES : The inspection is complete.
NO : Go to Step 2.

STEP 2. Electric oil pump drive check
Use the M.U.T.-III to bleed the air from the electric oil pump (Refer to). During the air bleeding, check the electric oil pump drive sound and vibration.*

*NOTE: *: The time during which you can check depends on the CVT fluid temperature.(Minimum: 5 seconds, Maximum: 40 seconds)*

Q: Is the check result normal?

YES : Go to Step 3.
NO : Replace the electric oil pump. After that, bleed the air from the electric oil pump (Refer to).

STEP 3. M.U.T.-III data list
Use the M.U.T.-III to bleed the air from the electric oil pump (Refer to). During the air bleeding, check the data list (secondary pressure).
- Item 19: Secondary pressure

OK: 0.1 MPa or more

Q: Is the check result normal?

YES : Complete the electric oil pump air bleeding (Refer to). The inspection is complete.
NO : Go to Step 4.

<Deleted> <Correct> Valve assembly control

STEP 4. ~~Sub~~ oil strainer check
Remove the CVT ~~sub~~ <Deleted> oil strainer and visually check for clogs in the oil path.

Q:Is the check result normal?

YES : Replace the ~~control sub valve assembly~~ <Incorrect>. After that, bleed the air from the electric oil pump (Refer to).
NO : Repair or replace the ~~sub~~ <Deleted> oil strainer. After that, bleed the air from the electric oil pump (Refer to).

Code P0944: Electric Oil Pump Functional

DIAGNOSTIC FUNCTION
CVT-ECU monitors if the electric oil pump is operating normally.

JUDGMENT CRITERIA
During the auto stop (with the electric oil pump running), the line pressure remains lower than 0.06 MPa for longer than 5 seconds.

PROBABLE CAUSES
- Air mixed in
- Malfunction of electric oil pump
- Malfunction of ~~control sub-valve assembly~~ Valve assembly control (stuck backflow prevention valve, clogged filter)
- Malfunction of CVT (clogged ~~sub~~ oil strainer)

<Correct> <Incorrect> <Deleted>

DIAGNOSTIC PROCEDURE

STEP 1. M.U.T.-III data list
(1) Use the M.U.T.-III to bleed the air from the electric oil pump.(Refer to).
(2) Item 62: Electric oil pump air bleeding status

OK: "Complete" is displayed.

Q: Is the check result normal?

YES : The inspection is complete.
NO : Go to Step 2.

STEP 2. Electric oil pump drive check
Use the M.U.T.-III to bleed the air from the electric oil pump (Refer to). During the air bleeding, check the electric oil pump drive sound and vibration.*

*NOTE: *: The time during which you can check depends on the CVT fluid temperature.(Minimum: 5 seconds, Maximum: 40 seconds)*

Q: Is the check result normal?

YES : Go to Step 3.
NO : Replace the electric oil pump. After that, bleed the air from the electric oil pump (Refer to).

STEP 3. M.U.T.-III data list
Use the M.U.T.-III to bleed the air from the electric oil pump (Refer to). During the air bleeding, check the data list (secondary pressure).
- Item 19: Secondary pressure

OK: 0.1 MPa min.

Q: Is the check result normal?

YES : Complete the electric oil pump air bleeding (Refer to). The inspection is complete.
NO : Go to Step 4.

<Correct> Valve assembly control <Deleted>

STEP 4. ~~Sub~~ oil strainer check
Remove the CVT ~~sub~~ oil strainer and visually check for clogs in the oil path.

<Deleted> <Incorrect>

Q: Is the check result normal?

YES : Replace the ~~control sub-valve assembly~~. After that, bleed the air from the electric oil pump (Refer to).
NO : Repair or replace the ~~sub~~ oil strainer. After that, bleed the air from the electric oil pump (Refer to).

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