MITSUBISHI MOTORS

SERVICE BULLETIN

DOMESTIC SALES & AFTER SALES SERVICE OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CORRECTION	ISSUE NO. : MSB-10E52-501	DATE : 2010-07-05
SUBJECT : TROUBLESHOOTING FOR SRS-ECU		<MODEL> (EUR/RUSSIA) ASX (GA0W) <M/Y> 11
GROUP : SUPPLEMENTAL RESTRAINT SYSTEM (SRS)		

1. Description:

There have been some errors in the description of troubleshooting for DTC B2206, B222C and B223B from SRS-ECU. This Service Bulletin contains the correct information.

2. Applicable Manuals:

<EUR>

Manual	Pub. No.	Title (Info-ID)	Attached Sheet
2011 ASX Workshop Manual	CGWE11E1-CD (English) CGWF11E1-CD (French) CGWG11E1-CD (German) CGWS11E1-CD (Spanish) CGWI11E1-CD (Italian)	DTC B2206 VIN Error/mismatch (M524-05-150-02601-01)	Attached sheet 1
		DTC B222C Coding not Completed (M524-05-130-02201-01)	
		DTC B223B Coding State Invalid (M524-05-140-02901-01)	

<RUSSIA>

Underneath Manual	Underneath Pub. No.	Title (Info-ID)	Attached Sheet
2011 ASX Workshop Manual	N/A	DTC B2206 VIN Error/mismatch (M524-05-150-02601-01)	Attached sheet 1
		DTC B222C Coding not Completed (M524-05-130-02201-01)	
		DTC B223B Coding State Invalid (M524-05-140-02901-01)	

There may be some attached sheets not included in this Service Bulletin because they are not applicable to your market. Their sheet numbers are not listed in the above table.

3. Corrected Specifications:

See Attached sheet 1.

Attached sheet 1 (1/2)

Code No.B2206 Chassis No. mismatch

⚠ CAUTION
If the diagnosis code B2206 is set to SRS-ECU, be sure to diagnose the CAN bus line.

OPERATION
If the registered chassis number is different from the chassis number transmitted on the CAN bus lines, the SRS-ECU sets the diagnosis code No. B2206.

TROUBLE JUDGEMENT
If the chassis number registered to SRS-ECU and the chassis number on CAN bus lines do not match, the SRS-ECU determines that a problem has occurred.

PROBABLE CAUSES
- Chassis number not written
- Malfunction of the SRS-ECU
- Malfunction of engine-ECU
- Malfunction of CAN bus line

Code No.B222C Coding data not written

⚠ CAUTION
- **If the diagnosis code No. B222C is set, diagnose the CAN bus lines.**
- **When replacing the ECU, always check that the SRS circuit is normal.**

FUNCTION
If the vehicle information data is not registered to the SRS-ECU, the SRS-ECU sets the diagnosis code No. B222C.

TROUBLE JUDGEMENT
With the global coding counter value "0", if all the global coding data (vehicle information) are not stored, the SRS-ECU determines that a problem has occurred.

PROBABLE CAUSES
- Malfunction of CAN bus line
- Malfunction of SRS-ECU
- Malfunction of the ETACS-ECU

Code No.B223B SRS-ECU squib count mismatch

⚠ CAUTION
If the diagnosis code B223B is set to SRS-ECU, be sure to diagnose the CAN bus line.

OPERATION
SRS-ECU monitors the resistance value of each squib circuit on the vehicle. If any of the resistance values is outside the normal range, SRS-ECU sets the diagnosis code.

TROUBLE JUDGEMENT
If an SRS-ECU different from the unit compatible to vehicle is accidentally installed, this code will be set. (If SRS-ECU for the vehicles without side-airbag is installed to the vehicles with side-airbag.)

PROBABLE CAUSES
- SRS-ECU incorrect installation
- Squib specification mismatch

<Incorrect>

Code No. U0019 Bus off

⚠ CAUTION
- **If diagnosis code No. U0019 is set, be sure to diagnose the CAN bus line.**
- **When replacing the ECU, always check that the communication circuit is normal.**

DIAGNOSTIC FUNCTION
If the CAN-B circuit malfunction occurs, SRS-ECU sets the diagnosis code No. U0019.

JUDGEMENT CRITERIA
Because of the CAN-B bus circuit malfunction, if SRS-ECU becomes unable to perform the normal data transmission, SRS-ECU determines that an abnormality is present.

PROBABLE CAUSES
- Malfunction of CAN bus line
- Malfunction of SRS-ECU

Insert the attached sheet 1(2/2).

<Correct>

Code No.B2206 Chassis No. mismatch

⚠ CAUTION

If the diagnosis code B2206 is set to SRS-ECU, be sure to diagnose the CAN bus line.

TROUBLE JUDGEMENT

If the registered chassis number is different from the chassis number transmitted on the CAN bus lines, the SRS-ECU sets the diagnosis code No. B2206. Diagnosis code No. B2206 will also be set when the SRS-ECU that has been removed from another vehicle is installed.

PROBABLE CAUSES

- Chassis number not written
- Installation of SRS-ECU removed from another vehicle
- Malfunction of the SRS-ECU
- Malfunction of engine-ECU
- Malfunction of CAN bus line

Code No.B222C Coding data not written

⚠ CAUTION

- **If the diagnosis code No. B222C is set, diagnose the CAN bus lines.**

TROUBLE JUDGEMENT

If the SRS-ECU is in the initial state or the local coding is incomplete, the SRS-ECU sets diagnosis code No. B222C.

PROBABLE CAUSE

- Malfunction of SRS-ECU

Code No.B223B Defective coding data

⚠ CAUTION

If the diagnosis code B223B is set to SRS-ECU, be sure to diagnose the CAN bus line.

FUNCTION

The SRS-ECU will set diagnosis code No. B223B when component(s) other than those coded in the ECU is connected to the ECU.

TROUBLE JUDGEMENT

This code will be set when the coded components do not correspond to the vehicle specification.(the components to be checked are squib, impact sensor and passenger's airbag cutoff switch).Furthermore, this code will also be set when the front and side impact sensors are interchanged.

PROBABLE CAUSES

- SRS-ECU incorrectly installed
- Squib specification mismatch
- Impact sensor improperly installed
- Passenger's airbag cutoff switch improperly installed
- Front and side impact sensors interchanged