SERVICE BULLETIN

MITSUBISHI MOTORS

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CHANGE	ISSUE NO. : MSB-15EXL52-001	DATE : 2015-03-16
SUBJECT : Addition of the description of the diagnosis code B1519		<DESTINATION/MODEL> <M/Y> (As per attached sheet 1) 13-15.5
GROUP : Gr:52(Interior/SRS Airbag)		MIRAGE/SPACE STAR (A03A) ATTRAGE(A10)

1. Description :

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

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 3)

＜For overseas market＞ Attached sheet 1

＜EU＞

Applicable manual	Pub. No.	Applicable title (INFO ID)	Content
2013 MIRAGE/SPACE STAR Workshop Manual	CA0E13E1-CD (ENG) CA0F13E1-CD (FRE) CA0G13E1-CD (GER) CA0S13E1-CD (SPA) CA0I13E1-CD (ITA)	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-61000-01)	Attached sheet 3 (1/2)
		Added under “CODE NO.B1509 INCORRECT INSTALLATION OF SRS-ECU” (M524-02-160-48400-01).	Attached sheet 3 (2/2)
2014 MIRAGE/SPACE STAR Workshop Manual	CA0E14E1-CD (ENG) CA0F14E1-CD (FRE) CA0G14E1-CD (GER) CA0S14E1-CD (SPA) CA0I14E1-CD (ITA)	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-61000-01)	Attached sheet 3 (1/2)
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2015 MIRAGE/SPACE STAR Workshop Manual	CA0E15E1-CD (ENG) CA0F15E1-CD (FRE) CA0G15E1-CD (GER) CA0S15E1-CD (SPA) CA0I15E1-CD (ITA)	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-82500-01)	Attached sheet 3 (1/2)
		Added under “CODE NO.B1509 INCORRECT INSTALLATION OF SRS-ECU” (M429-62-100-13600-01).	Attached sheet 3 (2/2)
2015.5 MIRAGE/SPACE STAR Workshop Manual	CA0E15E2-CD (ENG) CA0F15E2-CD (FRE) CA0G15E2-CD (GER) CA0S15E2-CD (SPA) CA0I15E2-CD (ITA)	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-82500-01)	Attached sheet 3 (1/2)
		Added under “CODE NO.B1509 INCORRECT INSTALLATION OF SRS-ECU” (M429-62-100-13600-01).	Attached sheet 3 (2/2)
2014 ATTRAGE Workshop Manual	CA1E14E1-CD (ENG) CA1F14E1-CD (FRE) CA1G14E1-CD (GER) CA1S14E1-CD (SPA) CA1I14E1-CD (ITA)	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-61001-01)	Attached sheet 3 (1/2)
		Added under “CODE NO.B1509 INCORRECT INSTALLATION OF SRS-ECU” (M524-02-160-48400-01).	Attached sheet 3 (2/2)
2015 ATTRAGE Workshop Manual	CA1E15E1-CD (ENG) CA1F15E1-CD (FRE) CA1G15E1-CD (GER) CA1S15E1-CD (SPA) CA1I15E1-CD (ITA)	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-61001-01)	Attached sheet 3 (1/2)
		Added under “CODE NO.B1509 INCORRECT INSTALLATION OF SRS-ECU” (M524-02-160-48400-01).	Attached sheet 3 (2/2)
2015.5 ATTRAGE Workshop Manual	CA1E15E2-CD (ENG) CA1F15E2-CD (FRE) CA1G15E2-CD (GER)	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-61001-01)	Attached sheet 3 (1/2)
		Added under “CODE NO.B1509 INCORRECT INSTALLATION OF SRS-ECU” (M524-02-160-48400-01).	Attached sheet 3 (2/2)

＜THAILAND/General Export/GCC＞

Applicable manual	Pub. No.	Applicable title (INFO ID)	Content
2013 MIRAGE/SPACE STAR Workshop Manual	DRFT(THAILAND) PWFE1201R(ASEAN) PWFE1201RP: (PHILIPPINE)	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-61000-01)	Attached sheet 3 (1/2)
		Added under “CODE NO.B1509 INCORRECT INSTALLATION OF SRS-ECU” (M524-02-160-48400-01).	Attached sheet 3 (2/2)
2014 MIRAGE/SPACE STAR Workshop Manual	PWFE1301R(ENG) PWFS1302R(SPA) THAILAND:DRAFT	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-61000-01)	Attached sheet 3 (1/2)
		Added under “CODE NO.B1509 INCORRECT INSTALLATION OF SRS-ECU” (M524-02-160-48400-01).	Attached sheet 3 (2/2)
2015 MIRAGE/SPACE STAR Workshop Manual	PWFE1405R(ENG) PWFS1406R(SPA) THAILAND:DRAFT	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-93300-01)	Attached sheet 3 (1/2)
		Added under “CODE NO.B1509 INCORRECT INSTALLATION OF SRS-ECU” (M524-02-160-48400-01).	Attached sheet 3 (2/2)
2014 ATTRAGE/MIRAGE G4 Workshop Manual	PWFE1305R(ENG) PWFS1306R(SPA) PWFE1305RA: (PHILIPPINE) THAILAND:DRAFT	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-61000-01)	Attached sheet 3 (1/2)
		Added under “CODE NO.B1509 INCORRECT INSTALLATION OF SRS-ECU” (M524-02-160-48400-01).	Attached sheet 3 (2/2)
2015 ATTRAGE/MIRAGE G4 Workshop Manual	PWFE1401R(ENG) PWFS1402R(SPA) THAILAND:DRAFT	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-61000-01)	Attached sheet 3 (1/2)
		Added under “CODE NO.B1509 INCORRECT INSTALLATION OF SRS-ECU” (M524-02-160-48400-01).	Attached sheet 3 (2/2)

＜MMAL/NZ＞

Applicable manual	Pub. No.	Applicable title (INFO ID)	Content
2014 MIRAGE Workshop Manual	AU900305(MMAL) DRAFT(NZ)	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-61000-01)	Attached sheet 3 (1/2)
		Added under “CODE NO.B1509 INCORRECT INSTALLATION OF SRS-ECU” (M524-02-160-48400-01).	Attached sheet 3 (2/2)
2015 MIRAGE Workshop Manual	AU900425(MMAL) DRAFT(NZ)	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-61000-01)	Attached sheet 3 (1/2)
		Added under “CODE NO.B1509 INCORRECT INSTALLATION OF SRS-ECU” (M524-02-160-48400-01).	Attached sheet 3 (2/2)
2015 ATTRAGE Workshop Manual	AU900435(MMAL) DRAFT(NZ)	CHECK CHART FOR DIAGNOSIS CODES (M524-00-332-61001-01)	Attached sheet 3 (1/2)
		Added under “CODE NO.B1509 INCORRECT INSTALLATION OF SRS-ECU” (M524-02-160-48400-01).	Attached sheet 3 (2/2)

Attached sheet 3(1/2)

Code No.	Diagnostic item	Reference page
B1445*4	Right curtain air bag module (squib) activating circuit open-circuited	
B1450*2	Left curtain air bag module (squib) system (short circuit between squib terminals)	
B1451*2	Left curtain air bag module (squib) system (open circuit of squib circuit)	
B1452*2	Left curtain air bag module (squib) system (shorted to squib circuit earth)	
B1453*2	Left curtain air bag module (squib) system (shorted to squib circuit power supply)	
B1454*4	Left curtain air bag module (squib) activating circuit short-circuited	
B1455*4	Left curtain air bag module (squib) activating circuit open-circuited	
B1466*4	Analogue G-sensor system in the SRS-ECU (front air bag)	
B1476*3	IG1 power supply open circuit (Fuse No. 15 circuit)	
B1477*3	IG1 power supply open circuit (Fuse No. 21 circuit)	
B1478*4	SRS-ECU Backup capacitor circuit voltage too High	
B1479*4	SRS-ECU Backup capacitor circuit voltage too Low	
B1488*4	Passenger's air bag OFF indicator lamp (short circuit)	
B1489*2	Passenger's air bag OFF indicator lamp (open circuit)	
B1496*4	SRS-ECU non-volatile memory (EEPROM*1)	
B1498*4	SRS-ECU abnormal condition in ROM or RAM	
B1499*4	Air bag deployment determined by SRS-ECU	
B1509*2	Incorrect installation of SRS-ECU	
B1557*4	SRS-ECU application specific integrated circuit	
B1570*2	Passenger’s air bag cut off switch malfunction	
B1574*2	Passenger’s air bag cut off switch circuit open	
B1575*2	Passenger’s air bag cut off switch circuit (earth side) shorted	
B1576*2	Passenger’s air bag cut off switch circuit (power supply side) shorted	
B1581*2	Incorrect passenger's air bag cut off switch	
B1603*2	Seat belt pre-tensioner (driver’s side) (squib) system (short circuit between squib circuit terminals)	
B1604*2	Seat belt pre-tensioner (driver’s side) (squib) system (open circuit of squib circuit)	
B1605*2	Seat belt pre-tensioner (driver’s side) (squib) system (shorted to squib circuit earth)	
B1606*2	Seat belt pre-tensioner (driver’s side) (squib) system (shorted to squib circuit power supply)	
B1607*4	Seat belt pre-tensioner (driver’s side) activating circuit short-circuited	

B1519*2 SRS-ECU connector lock out of order <Added>

<Added>

Attached sheet 3(2/2)

Code No.B1519: SRS-ECU connector lock out of order

DIAGNOSIS CODE SET CONDITIONS
This diagnosis code is set if a poor connection at the SRS-ECU is detected.

PROBABLE CAUSES
- Damaged connectors
- Malfunction of the SRS-ECU

DIAGNOSIS PROCEDURE

STEP 1. M.U.T.-III CAN bus diagnostics
Use M.U.T.-III to diagnose the CAN bus lines.

Q: Is the check result normal?
YES : Go to Step 2.
NO : Repair the CAN bus line (Refer to GROUP 54C – Troubleshooting).

STEP 2. Check whether the diagnosis code is set again.
(1) Connect the negative battery terminal.
(2) After erasing the diagnosis code memory, check the diagnosis code again.
(3) Disconnect the negative battery terminal.

Q: Is diagnosis code B1519 set?
YES : Go to Step 3.
NO : The diagnosis is complete (diagnosis code No. B1519 is set due to improper engaged connector).

STEP 3. Check at the SRS-ECU connector.
(1) Disconnect the SRS-ECU connector.
(2) Check the connector lock switch terminal inside the harness side connector for improper contact or deformation.

Q: Is the connector lock switch normal?
YES : Go to Step 4.
NO : Replace the connector.

STEP 4. Check whether the diagnosis code is set again.

Q: Is diagnosis code No. B1519 set?
YES : Replace SRS-ECU
NO : Intermittent Malfunction (Refer to GROUP 00 – How to Use Troubleshooting/ Inspection Service Points – How to Cope with Intermittent Malfunction).