

SUBJECT:			No:	TSB-18-52B-001	
MIRAGE & MIR	RAGE G4 SRS WAF	RNING LAMP	DATE:	October 2018	
ILLUM	<b>1INATION DTC B1</b>	479	MODE	L: See Below	
CIRCULATE TO:	CIRCULATE TO: [] GENERAL MANAGER [X] PARTS MANAGER				
[X] SERVICE ADVISOR	[X] SERVICE MANAGER	[X] WARRANTY PROCESSO	JR	[ ] SALES MANAGER	

### PURPOSE

On certain vehicles, the Supplemental Restraint System (SRS) Air Bag Warning Lamp illuminates with DTC B1479 (SRS-ECU Backup capacitor circuit voltage too Low.)

When the battery voltage becomes low, the back up capacitor's diagnosis function may judge backup capacitor failure and set DTC B1479. The SRS-ECU must be replaced due to the incapability to erase DTC B1479 via MUT-III.

This TSB instructs dealers to reprogram the SRS-ECU with updated software to correct the issue.

### AFFECTED VEHICLES

- 2014, 2015, 2017 2019 Mirage
- 2017 2019 Mirage G4

### **REQUIRED OPERATIONS**

- 1. Confirm your MUT-III is updated with the latest reprogramming database.
- Reprogram the SRS-ECU with the new software. Refer to the "SRS-ECU Reprogramming Chart" for new software information.

### SPECIAL EQUIPMENT

If necessary, the following equipment is needed to reprogram the SRS-ECU.

- VCI (Vehicle Communication Interface) or VCI Lite MB991824 or MB992744V.
- MEDIC Laptop/Tablet with A/C power adapter MIT540031, or FZG1MK2.
- MUT-III main harness 'A' (blue connector at the DLC end) MB992745V
- USB 2.0 cable RRAR1MBR108GL
- MEDIC 3.5/4 update at **557** or higher.
- For Standalone MUT-III units, MUT3 SE Reprogramming Database **N180901** or higher.

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Continued

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### SRS-ECU REPROGRAMMING CHART

Madal	Dart Name	ECII Dart Number	Data Number	Software P	art Number
Model				Previous	NEW
		96751775	86354650	8635A235 00	86351235 02
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		9675177/	86354650	8635A374 00	8635437/ 02
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		86354/10	8635465/	8635A410 00	86354/10 02
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		8635A494	8635A655	8635A494 00	8635A494 01
		8635A495	8635A656	8635A495 00	8635A495 01
		8635A426	8635A657	8635A426 00	8635A426 03
		8635A505	8635A658	8635A505 00	8635A505 01

## **REPAIR PROCEDURE**

### SOFTWARE/MEDIC VERSION VERIFICATION

1. Verify that the ECU has not already been updated to the latest S/W number in the table above. If the SRS-ECU is at the latest level, reprogramming is not necessary.



# For MEDIC 3.5/4 users only: (MUT-III STV users go to step 4)

2. Verify the MEDIC 3.5/4 is at version 3.5 and at update **557** or higher.

If your **MEDIC 3.5/4 update is at least 557**, continue with the Reprogramming Procedure on page 4.

If your **MEDIC 3.5/4 update is below 557**, update your MEDIC as follows.



STV

3. If the MEDIC update screen advises updates are available, click the "Begin" button. After all updates are complete, <u>GO TO THE REPROGRAMMING</u> <u>PROCEDURE.</u>

Using MEDIC, from the main page, click the "MUT3-SE" icon at the top center of the screen to open MUT-III SE.

Click the "STV" button.



Configuration

Ver.SEW18061-01

Exit

? M.U.T....

a. Click on the "ECU Reprogram" button.

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ECU Reprogramming(SDB)	SOB Data List	ECU Reprogramming X-Line
Data Selection X-Line	Data List K-Line	7

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635A658	6635A505	8635A50501	8635A505	6635A50500	16-19MY MIRAGE G4 SRS Warning lamp illumination (61479).	cc	1
9635A657	8635A426	8635A42603	8635A426	8635A42601	16-19MY MIRAGE G4 SRS Warning lamp illumination (81479)	CC.	1
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## REPROGRAMMING PROCEDURE

b. Click "SDB Data List."

- c. Confirm that the database number displayed in the upper right above the chart is **N180901 or higher**
- If the database number displayed on your MUT3-SE is **N180901** or greater, continue to the "**Reprogramming Procedure**."
- If the reprogramming database number displayed on your MUT3-SE is <u>lower</u> than N180901, then the MUT3-SE database needs to be updated.

NOTE: VCI Stand-alone reprogramming is not available for this procedure. The laptop/tablet and the VCI must remain connected for the entire procedure.

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#### To ensure that the vehicle battery maintains 12V during the procedure, hookup a battery charger to the vehicle during the procedure.

1. Connect the equipment as follows:

**NOTE:** VCI Lite and MEDIC 4.0 Toughpad shown for illustration purposes only.



- Turn the MEDIC PC/tablet on. If the battery indicator in the lower right hand corner of the screen does not show a full charge, it is recommended that either the battery be charged prior to beginning, or be used with the A/C power adaptor connected.
- Connect the USB cable to the VCI/VCI Lite.
- When the laptop/tablet displays the MEDIC main screen, connect the USB cable to the device.
- Connect the MUT-III main harness with the blue DLC connection to the VCI/VCI Lite.
- Connect the blue connection of the MUT-III main harness to the vehicle's data link connector.
- For VCI only (P/N MP991824): Turn the VCI power switch ON. Verify that the indicator lamp in the upper right corner of the screen is green.

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DO NOT DISTURB THE HARNESS CABLES OR CONNECTIONS DURING THE REPROGRAMMING PROCESS AS IT COULD CAUSE THE CONTROL UNIT TO LOSE DATA. IF THE USB CABLE IS DISCONNECTED DURING THIS PROCEDURE, A WARNING MESSAGE WILL DISPLAY.

2. Turn the ignition switch to the "ON" position.



. Using MEDIC, from the main page, click the "MUT3-SE" icon at the top center of the screen to open MUT-III SE.

Click the "STV" button.



The System Select screen opens and populates with some basic information from the vehicle.

If the class has to be chosen from the drop down menu, then please look at the label on the passenger side B pillar to identify the appropriate class.

Then select the correct class from the drop-down list.

5. Verify that the SRS-ECU has not already been updated to the latest S/W number in the table above.

If the SRS-ECU is at the latest level, reprogramming is not necessary.



a. Select "SRS-ECU" from the System List, then click on the check mark at the bottom of the screen.

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b. Select "Special Function."

c. Select "ECU Information."

 b. If the Software Part Number listed is <u>NOT</u> at the latest level (shown in the "SRS-ECU Reprogramming Chart"), proceed with the next steps. 6. Before reprogramming, perform an "Erase and Read All DTCs" to clear any DTCs that may have set.

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a. Click on the home button to go back to the System Select screen.

Click the "ALL DTC" button.

b. Select "Erase and Read all DTCs."

c. A window will pop up asking you to confirm DTC erasing. Click the check mark in the dialog box for DTC erasing and reading to begin.

- d. The "System List" on the left side of the screen will have all selections checked. **Do NOT** change these selections.
- e. Click the check mark at the bottom of the page to continue.

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Select	System Name	Results		Code	Name	Status	
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- 7. When DTC erasing is completed, click the check mark in the pop-up message that read "All erasing and checks are complete."
  - a. If DTCs return after erasing is completed, click the check mark to clear the window. Diagnose and repair per the Service Manual.
  - b. If DTCs do not return, click the check mark to clear the window, then click the Home icon in the lower left to return to the System Select menu.

8. Reprogram the SRS-ECU following the steps below.



a. Click on the Reprogram button.

b. Select "ECU Reprogramming (SDB)."

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c. Verify the "SRS-ECU" is selected in the System List, then click the check mark at the bottom of the page.

d. Verify the correct Data No. is listed in the "SRS-ECU Reprogramming Chart."

e. Click the check mark at the bottom of the page to initiate reprogramming.

f. Click the check mark in the "Check reprogramming data" dialog box.

System	Data No.	New HW Part No.	New SW Part No./	Current HW Part	Current SW Part	Contents	
SRS-AIR BAG	8635A650	8635A235	8635A23502	8635A235	8635A23501	14-15MY MIRAGE SRS	
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		SRS-AI	R BAG Now Repr	ogramming 30 %			
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SEW18061-01							_
ECU Reprogramm	ng(508)						4 1
	27						
System	Data No.	New HW Part No.	New SW Part No/ Ver.	Current H/V Part No.	Current SW Part No /Vec	Contents	
SRS-AIR BAG	8635A650	8635A235	8635A23502	8635A235	8635A23501	14-15MY MIRAGE SRS Warning lattic illumination	A
						(B1479).	F
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		SRS-AIR BAG	End processing in	n progress(Up to	5 min.)		
		_	_	_	_		
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SEW18061-01							_
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ECU Reprogramm	ing(SDB)						4 1
ECU Reprogramm	ing(SOB)						4 1
ECU Reprogramm	ing(SOB)	New HM Part No.	Hew SW Part No /	Quirent HW Part	Current SW Part	Costants	<b>-</b>
ECU Reprogramm Bystem SRS-AIR BAG	Ing(SOB) = Cata No 66354650	New HM Part No 8635A235	New SW Part No/ Ver 6635423502	Current HW Part No. 8635A235	Ourners SW Part No. Alex 5635423501	Conternis. 14-10/NY MIRAGE SRS	
ECU Reprogramm System SRS-AIR BAG	ng(SD8) = Data Ho 6635A650	New HW Part No. 86354235	New SW Part No. Ver 6635423502	Current HW Plact No. 6635A235	Current SW Part No.7487 5635A23501	Contents (4-154/Y MIRAGE SRS Warning Large Jiumination (81479)	< )
ECU Reprogramm System SRS-AIR BAG	ng(SDB) I	New WW Part No. 9635A236	New SW Part No./ Ver 5635423502 Acd	Content HW Part No. 6635A235	Current SW Part No. Altr. 5635423501	Contentis 14-150/Y Marrieg Iampiadon Varring Iampiadon (81479)	< )
ECU Reprogramm Bystem SRS-AIR BAG	ng(SDB) :	New HW Part No 86354235 Comple	New SW Part No./ Yer 6635423502 603 mpleted,	Current HW Past No. 96354239	Current RW Part No.7447 6635423501	Collection 14-13047 MIRAGE 585 Watered Lamp Burnhadon (01479)	< )
ECU Reprogramm Bystem SRS-AIR BAG	ng(SDB) : Data No. 5635A650	State HW Part No. 85354236 Comple Comple On the Period	New SW Part No / Vec 3635A23502 Med mpleted.	Ouverst Hev Pad 90, 6635A235 ogrammed.	Current SW Part No.7497 8635423501	Contents 14-10Amer Lang-Jacobie (201479)	< 1
ECU Reprogramm Bystem SRS-AIR BAG	ng(508) = Data No. 6635A650	Session Sission Completion Completion Completion Completion President Report	New SW Part No.1 Ver 5635423002 1005 mpleted. board ECU has reprise the Cik button to e ogainmenta.	Current HW Part. 90. 6635A235 ogrammed. conferm the results o	Current SW Part No.Aver 5635A23501	Contents Re-Flanr MitRAGE SIG Warring Lamp Jurnaution (§1177)	< )
ECU Reprogramm Brystern SRS-AIR BAG	Data No Se5364650	State 1007 Part No. 060554256 Complet Complet Pres repr	New SW Part No./ Ver 963542302 Mod mpleted. Soard ECU has repris the OK button to o ogramming.	Current Hol Part No 96354235 ogrammed.	Current SW Part No.ver 603542301	Costerits Ta-1000 MIGAGE SRS Mission (and p Bonination (B1177)	
ECU Reprogramm Bryslern SRS-AIR BAG	ng(308) Oria Na 86334650	New Intel Part No. 96334335 Complet Complet Part Completion Co	New SW Part No. Ver 663542302 dod mpleted. coard ECU has repris the OK batton to opamming.	Current Hot Part No. 96334235	Current Sivi Part No.5ke 603542301	Contents 14-154/* MIRAGE SRS Visioning targe Banenadon (B-127)	
ECU Reprogramm	ng(308) Onto Ne 86334650	Lever HM Part Net 0030-230 Competi Competi Part Net Competi Part Net Competi Competi Part Net Competi	Her stil Parties, we solidated mpleted, could ECU Manager opgammap	Current HW/ Part No. 06334235	Current Sivi Part No.Swi BossA2301	Contexts 14-15ArY MIRAQE SRS Volency lang illumination (\$1479)	
Brainn Brainn SRS-AIR BAG	eng(SOB)	Less HM Part Net 0353425 Compte Compte Part Part Part Part Part Part Part Part	Her SH Pat No. Sessaria for an anti- sessaria for an anti- coard ECU has repre- table to CK button to do parameter	Connect (VX Part No. 96354235	Context BW Par In Aner 863542301	Contexts T4-1547 MIRAO2 SRS Warming lang aumenation (31479)	
Reprogramm Braken SRS-AR BAG	eng(SOB)	See Hot Part Net 033A235 Congle Congl	Here Stir Part No. Ver SostA-2002 And Implefed.	Current Harr Part No. 96354235	Content BW Par In Aler 863542501	Contentis T4-1547 MIRAOC SISS Warring Lang Buninadon (1)1477)	
ECU Reprogramm Rystern SRS-AR BAG	ng(SD9)	State little Plant Net. State 236 Complete State 23	New Sty Part No. Vest Vest 2003 2003 2003 2004 ECU has represent to CK abon to repartment	Cyrenet HMI Page 90 00204200	Curren Siri Part 96./em 863542501	Controliti T4-150/Y MIRAGC SHS Watting lang Burlinadon (31-179)	
ECU Reprogramm Bytem Bytem SRS-AR BAG	ng(SD9)  Color Ne Be354650	The HYL Part Net Constant Cons	New Sty Part No. Ver 9054/2002 6054/2002 6054/2002 6054/ECU has repre- te CK bullon to spanning	Current HWI Part 90 06354230	Curren 397 Farrier 190 Aur	Contentin Tra-1007 MIRAGO SHG Watting Lang Burlinadion (31-079)	
ECU Reprogramm System SIRS AIR BA3	ng(SD6)  Color Ne S0554500	Lever HYP Flort Nu COSSE255 Constant Program	New 31% per the 1 Second 2000 Acci mpleted.	Connel HYM Part Me 06354/235	C-0-340.300 (97) 805042501	Coards Ta-Soft MisSACE SRS Withing to Domission (D107)	
ECU Reprogramm SRS-AIR BA3	ng(SDB)	eter Hiri Pari Ne. 2034235 Consta Pres rep	Aver 31% Part Not Not Status Mod Model Mod	Current Hyte Part No. 96354235	Curves. 307 Purp 8650-23501	Contexts 14-15Arr MIRAGE SRS Visiong Jacob Lancaution () 1777)	
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ECU Reprogramm SRS-AIR BAG	ng(SD8)	ever Herr Jane Pere 0554235 Congle C	Here Stor Part No.2 653A-33002 And mpleted. Societ CK: UNIS representation in the CK outlon to in organizing of CK UNIS representation of CK UNIS representation of the CK outlon of the organizing of the CK outlon of the CK outlon of the CK outlon of the organization of the CK outlon of the CK outlon of the CK outlon of the organization of the CK outload of the CK outloa	Current Hype Paels	Current Stof Plant No. / Wei 8655(4355)	Contexts Tu-1547 MIRAO2 SFS Warming lang Burmadon (g) 479 .	
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ECU Reprogramm SRS-AIR BAG	ng(SDB)	ever Hitt Part Net 0554235 Conget Pres rep Pres rep Pres rep Pres rep Pres rep Pres rep Pres rep Pres rep Pres rep Pres rep Pres rep Pres rep Pres rep Pres rep Pres rep Pres rep Pres	Here 300 Part Hol essual Social essual Social Med Market She CK button to to granmag Med available Med a	Current Hype Park	Current Bar / Part Mon / Wei Bossica 2001	Contexts T4-15ArY MIRAQC SRS Warming lamp alumination (S1479) .	
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ECU Reprogramm SRS-AIR BAG	ng(SDB)	Leve Hor Part No. 00504255 Con Con- Perent Perent Con Con- Perent Con Con- Con Con- Perent Con Con- Con Con- Perent Con Con- Con Con- C	Aver 319 Jan Her 60342302 dod mpleted. Deard ECU has repr as the CK batton is of the C	Current HYM Part Net 06354235	Current 200 Film 865042301	Contents 14-150/7 MIRACE SRS Warmy and Bannadon (19-107)	

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g. Once the reprogramming is initiated, the screen shown will indicate the reprogramming progress.

Do NOT disturb the cables or turn off the ignition during reprogramming.

h. Click the check mark in the "Completed" dialog box.

- i. Verify the correct information is listed in the table. Click the check mark at the bottom of the page, then click the Home button to return to the System Select screen.
- j. Click the home icon on the bottom of the page.

- 9. Perform an "Erase and Read All DTCs" again to clear any DTCs that may have set. **For instructions, refer to steps 6 and 7 in this TSB.** 
  - a. If any DTCs appear, troubleshoot per the applicable Service Manual.

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	Value	llem
4		ECU Origin
		Supplier ID
		ECU ID
		ECU Diag Ver.
	8635023502	Hardware Version
	0055A25502	Software Version
		Hardware Part Number
		Number of Module
		Software Part Number 01
,		Chassis Number/VIN(Current)

 Verify that the software Part Number is now at the latest number listed in the "SRS-ECU Reprogramming Chart" in this TSB.
 For instructions, refer to step 5 in this TSB.

- 11. Turn off the ignition switch and disconnect the MUT-III. Turn off and disconnect the battery charger.
- 12. Test drive the vehicle to confirm proper operation.

# WARRANTY INFORMATION

This bulletin is supplied as technical information only and is not an authorization to repair. If an affected vehicle is reported with the described condition, diagnose the condition, repair as described in this bulletin and submit a normal warranty claim using the following information.

Operation	Labor Operation Code	Nature Code	Cause Code	Time Allowance
Reprogram SRS Control Unit	528511VD	16D	4B0	0.4 hr.