

| SUBJECT: | | | No: | SR-19-001 |
|---------------------|-----------------------|----------------------------|-------|-------------------|
| MIRAGE | G4 SRS WARNING | J LAMP | DATE: | May, 2019 |
| ILLUMINATION | MODE | L: 2017-2018 Mirage G4 | | |
| CIRCULATE TO: | [X] GENERAL MANAGER | [X] PARTS MANAGER | | [X] TECHNICIAN |
| [X] SERVICE ADVISOR | [X] SERVICE MANAGER | [X] WARRANTY PROCESS | OR | [X] SALES MANAGER |

PURPOSE

This Safety Recall Bulletin provides instructions for reprogramming the SRS-ECU with a countermeasure software. The countermeasure software addresses DTCs B1557 and B1616 as a result of the SRS-ECU's misinterpretation of vibration caused by severe road conditions and/or driving on a flat tire.

BACKGROUND

The self-diagnostic function used by the internal acceleration sensor in the SRS-ECU may misinterpret vibration caused by severe road conditions and/or driving on a flat tire to be a malfunction in the SRS-ECU. If this occurs, the SRS warning lamp will illuminate and none of the seven airbags available in the vehicle will deploy in the event of a crash.

AFFECTED VEHICLES

2017-2018 Mirage G4 vehicles, produced **on or before** November 28, 2017

IMPORTANT

Affected new or used inventory vehicles must be repaired before the vehicle is sold/delivered. Dealers must check their inventory vehicles' VINs on the Warranty Superscreen to verify whether the vehicle is involved in this recall campaign. It is a violation of Federal law for a dealer to sell/ deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by the notification under a sale or lease until the defect or noncompliance is remedied.

REQUIRED OPERATIONS

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

IMPORTANT: If an affected vehicle has a Malfunction Indicator Lamp (MIL) illuminated <u>before</u> reprogramming, and DTCs other than B1557 and B1616 are listed in the SRS memory, diagnose and repair those DTCs per the service manual <u>before</u> reprogramming. **DO NOT** reprogram the SRS-ECU until the reason(s) for DTCs other than B1557 and B1616 being set is corrected.

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Continued

The information contained in this bulletin is subject to change. For the latest version of this document, go to the Mitsubishi Dealer Link, MEDIC, or the Mitsubishi Service Information website (*www.mitsubishitechinfo.com*). (4820)

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EQUIPMENT

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 MB991827V or RRAR1MBR108GL.
- MEDIC 3.5/4 update at **594** or higher.
- For Standalone MUT-III SE units, MUT3-SE Reprogramming Database **N190301** or higher.

SRS-ECU REPROGRAMMING CHART

| MEE | ECII Part Number | Software Part Number | | |
|----------|------------------|----------------------|------------|--|
| 101.1 .1 | | NEW | OLD | |
| 8635A657 | 8635A426 | 8635A42603 | 8635A42600 | |

REPAIR PROCEDURE

1. 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.



For MEDIC 3.5/4 users only: (MUT-III STV users go to step 5)

2. Verify the MEDIC 3.5/4 is at version 3.5 and at update **594** or higher.

If your **MEDIC 3.5/4 update is at least 594**, continue with the Reprogramming Procedure on page 4.

If your **<u>MEDIC 3.5/4 update is below 594</u>**, update your MEDIC as follows.

Select the MEDIC 3.5/4 Admin tab and click on "MEDIC UPDATES."



 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>

- **STANDALONE MUT-III SCAN TOOL VIEWER (STV) ONLY: (MEDIC 3.5 USERS - GO TO THE REPROGRAMMING PROCEDURE).** Verify that your MUT3-SE has the most current version of the reprogramming database: From the MUT3-SE Main Page:
 - a. Click "STV."
- b. Click the "ECU Reprogramming" button.



DESTIN

TYPE

CLASS

MODEL YEAR

MODEL

ELC-AT/CVT/TC-SST

ABS/ASC/ASTC/WSS

ECPS/4WS

SRS-AIR BAG

Air Conditio

ETACS

MMNA

A13A

2018

STHHL2M

MIRAGE G4

A92 (1.2, D4, MPI, VVT) 1CJB (CVT-2WD)

c. Click "SDB Data List."



- d. Confirm that the database number displayed in the upper right above the chart is **N190301 or higher**
 - If the database number displayed on your MUT3-SE is N190301 or greater, continue to the **Reprogramming Procedure**.
 - If the reprogramming database number displayed on your MUT3-SE is <u>lower</u> than N190301, then the MUT3-SE database needs to be updated.

REPROGRAMMING PROCEDURE

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

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.
- Turn the VCI power switch ON. Verify that the indicator lamp in the upper right corner of the screen is green.

DO NOT DISTURB THE HARNESS CABLES OR CONNECTIONS DURING THE CODING 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

Click the "STV" button.

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

Look at the label on the passenger side B pillar to identify the appropriate class.

Then select the correct class from the drop-down

The System List should now populate with vehicle

If required, select the correct Loading Option Setup from the drop-down lists.

- TPMS: (e.g., with F.A.S.T. / w/o F.A.S.T.)
- F.A.S.T./OSS/IMMO/Keyless: (e.g., with F.A.S.T. /
- 6. 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.

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| System List ABS/ASC/ASTC/WSS SRS-AIR BAG | | | |
|--|---|--------------------------------------|--------------------------|
| ABS/ASC/ASTC/WSS | 1.1 | | Vehicle Information |
| SRS-AIR BAG | A | DESTIN | MMNA |
| All and a second s | | MAKER | MITSUBISHI |
| Air Conditioner | | TYPE | A13A |
| ETACS | | CLASS | STHHL2M |
| TPMS | | MODEL YEAR | 2018 |
| Meter | | MODEL | MIRAGE G4 |
| Steering Angle Sensor | - | ENGINE/MOTOR | 3A92 (1.2, D4, MPI, VVT) |
| | | TRANSMISSION | F1CJB (CVT-2WD) |
| | | Chassis No./VIN | ML32F4FJ7JHF07288 Match |
| | | 111 2 | |
| | | | |
| | | $\Delta / =$ | |
| <u>È</u> | S | V 4 | |
| | | | |
| System select | | | |
| Diagnostic Trouble Code | Data | List | Actuator Test |
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| | | | |
| Drive Recorder | Special F | unción | Coding |
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| are select function. | | | |
| see select function | Special Function | ECU internation | |
| ase select function. | Special Function | ECU Volumation | |
| ase solid function. | Special Function | ECU Internation | |
| Inter select function System select System select System select Mem | Special Function | ECU Internation | |
| ase select function System select SRS-AR BAG | Special Function | ECU Inturnation | |
| ase select function. | Special Function ECU Inform 65 00 | ECU Internation | |
| see select function System seect Sister AR BAG S Bern Suppler 10 ECU 10 ECU 10 ECU 10 ECU 10 | Special Function | ECU teturnation • when Value | |
| Not select function System select Not Skippler ID ECU ID E | Special Function ECU Indem 65 00 30 300 | ECU Internation 💽 | |
| see select function System seece System seece Supplier ID ECU ID | Special Function ECU Inform 65 00 30 0000 | ECU Internation | |
| Interselect function System seect SSS AR BAG Suppler 10 ECU | Special Function ECU Inform 65 00 30 0000 010000 | ECU reformation (*) when Value | |
| Nee select function System select Suppler ID ECU I | Special Function PCU Indem 65 00 30 000000 6635A426 010000 | ECU internation | |
| Iste select function. | Special Function ECU Inform 65 00 30 00000 0100000 693564/256 1 | ECU internation I | |
| Inter select function System select Suppler 10 ECU ID ECU | Special Function ECU Mayor 65 00 30 00000 6655A425 1 6555A42000 | ECU televination III | |
| see select function System select Supplier ID ECU Dag Ver: Hardware Version Software Version Hardware Part Number Number of Module Software Part Number Chasses Number/VM(Current) | Special Function ECc3 inform 85 00 300 010000 9035A4280 1 9035A42000 M3.32F4FJ73He970 | ECU Internation | |
| Internation Select function System seed: SRS-AIR BAG Suppler ID ECU | Special Function ECU Inform 65 00 30 00000 0100000 01020A4260 1 0052A4266 1 0052A4260 ML325447124#0726 ML325447124#0726 | ECU internation Votur | |
| Interest Sectors Support Discourse Sector Sectors Support Discourse Version Hardware Version Hardware Version Hardware Version Hardware Version Hardware Version Carteware Version Hardware Version Hardware Version Consists Number VM/Current) Chassis Number/VM/Current) Chassis Number/VM/Current) | Special Function ECU Inform 65 00 30 00000 6035A428 1 6035A428 1 | ECU totumation Value Value | |

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

b. Select "Special Function."

c. Select "ECU Information."

d. If the Software Part Number listed is **NOT** at the latest level (shown in the SRS-ECU Reprogramming chart), proceed with the next step.

If the Software Part Number **is** at the latest level, then reprogramming is not necessary.

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7. Before reprogramming, perform an "Erase and Read All DTCs" to clear any DTCs that may have set.



a. Click 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. <u>Do not</u> change these selections.
- e. Click the check mark to continue.

| | System List | | | | Lindgrides | oc souble codet | NI . | |
|--|--|--|-------------------------|--|-------------------|--------------------------|--------------|---|
| Select | System Name | Results | | Code | | Name | Status | |
| 2 | SRS-AIR BAG | AI DTCs | | | | 1 | | 4 |
| 4 | Air Conditioner | 2 | | | | 1 | | |
| 4 | ETACS | All DTCs | | | | | | |
| 4 | TPMS | All erasing an | nd checks | are completed. | | | | |
| 1 | Meter | Execute "Rea detected DTC | ed all DTC Cs. becau | s" if you confirm to se the DTCs that | he are erasing | | | |
| 1 | Steering Angle Sensor | now may be | displayed | in check result. | | | | |
| 1 | F.A.S.T/OSS/IMMO/Keyle | | | | | 1 | | |
| 1 | OCM | \sim | | | | 0 | | 7 |
| ALDTC | Erase and Read all DTCs | | | ~ | X | | | 4 |
| ALDIC | Erase and Read at DTCs System List | | | | Diagnos | tic trouble code(| s) | 4 |
| AI DTC: | Erase and Read all DTCs System List System Name | Results | | Code | Diigness | C. Itoubie code(| s) Status | 4 |
| AI DTC: | Ensee and Read all DTCs System Lost System Name MFI | Results OK | | Code | Dignos | Sc. Itoubie code{ | 9) Status | 4 |
| AI DTCI Select | Ersee and Read all DTCs System List System Name MFI ELC-ATr/CVT/TC-SST | Results OK OK | | Code | Diagnos | nc trouble code(Name | s) Status | 4 |
| Select | Ersee and Read all DTOS System Lat System Name MFI ELC-AT/CVT/TC-SST ECPS-4WS | Results OK OK OK | | Code | Diagnos | to: trouble code(| 5) Status | 4 |
| AI DTC | Erase and Read al OTCs System Name MFI ELC-AT-CV/T/TC-SST ECPS-WS ABS/ASC/ASTC/WSS | Results OK OK OK OK | | Code | Diágnos | Bc Bouble code(Name | 5) Status | 4 |
| AI DTC: Select | Erste and Read al DTCs System Lat System Name MFI ELC-ATCVT/TC-SST ECPS-4W/S ARS/ASC/ASTC/WSS SRS-AIR BAG | С | | Code | Dugnos | tic thubie code(| s) Status | |
| Al DTC: Select | Ease and Aread at DTCs System Name MFI ELC-AT/CVT/TC-SST ECPS-WS ABS/ASC/ASTC/WSS SRS-AIR BAG Air Conditioner | Results Results OK OK OK OK | | Code | Diagnos | ar: Inubie code(Name | s) Status | |
| Al DTCC Select V V V V V | Ersee and Aread at DTCs System Name MFI ELC-AT/CVT/TC-SST ECPS:WWS ABS/ASC/ASTC/WSS SRS-AIR BAG Ar Conditioner ETACS | Results: OK OK OK OK OK | | Code | Disgnos | ar: Inubia code(Name | 1) Status | |
| AN DTCN | Ersee and Resd al DTCs System Name MFI ELC-AT/CVT/TC-SST ECPS-4WS ABSASC/ASTC/WSS SRS-AIR BAQ Air Conditioner ETACS TPMIS | Results OK OK OK OK OK OK | | Code | Diagnos | St: trouble cooled | 1) Status | |
| AL DTOC | Erase and Read al OTCs System Name MPI ELC-ATIC/UTIC-SST EDS-WS ABS:ASC/ASTC/WSS SRS-AIR BAQ Ar Conditioner ETACS TPMS | Results OK OK OK OK OK OK OK OK OK | | Code | Disgroom | R: Boulte coder | a) Status | |

- 8. When DTC erasing is completed, click the check mark in the pop-up message that reads "All erasing and checks are completed."
 - a. If DTCs other than **B1557** and **B1616** 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, or only **B1557** and **B1616** remain, click the check mark to clear the window, then click the Home icon in the lower left to return to the System Select menu.

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

| | DESTIN MARER TYPE CLASS MODEL YEAR MODEL YEAR ENGINE MOTOR TRANSMISSION Chassis No. | MANNA MTS2005H A13A 5TH4L2M 2018 MRAGE G4 12, D4, MPL, VVT) (CVT-2WD) 204FJ7,H=F07285 Max |
|-----------|--|--|
| | MARER TYPE CLASS MODEL YEAR MODEL YEAR MODEL ENGINE MOTOR TRANSMISS Chassis No Chassis No | MTSUBISH A13A STH4L2M 2018 MRADE G4 12, D4, MPI, VVT) (CVT-2VD) 42, 4FJ7.HE07288 Mak |
| | TYPE CLASS MODEL YEAR MODEL ENGINEMOTOR TRANSMISS Chassis No Chassis No | A13A STH4L2M 2016 MIRAGE G4 12, D4, MP(, VVT) (CVT-2VD) CVT-2VD) ST 4FJ7,H=F07288 Math |
| | CLASS MODEL YEAR MODEL ENGINE/MOTOR TRANSMISS Chassis No Chassis No | 5TH94L2M 2016 MIRAGE G4 1 (2017-2000) (1007-2000) 1 (2017-2000) 1 (2017-200 |
| • | MODEL YEAR MODEL ENGINE/MOTOR TRANSMISS Chassis No. | 2018 MIRAGE G4 2. D4, MPI, VVT) ((CVT-2VD) CT447J7,84707288 Math |
| | MODEL ENGINE/MOTOR TRANSMISS Of Chassis No Chassis No Chassis Diffe | MRAGE G4 12, D4, MPI, VVT) (CVT-2WD) 024/FJ7,HF07285 Max |
| v | ENGINEMOTOR TRANSMISSIN Chassis No Bag Atc | 1 2. D4, MPI, WYT) ((CVT-2WD) 2044FJJ2,HE07288 Mark |
| | TRANSAILSS A Chassis No/ | E(CVT-2WD) |
| | Chassis No / | 2014FJ7265 Mak |
| | | |
| SOB Da | sta List | ECU Reprogramming K-Line |
| Data List | tKLine | |
| | | |
| | SDB D. | SOB Data Lat Data Latik-Line |

a. Click on the Reprogram button.

b. Select "ECU Reprogramming (SDB)."





c. Verify the "SRS-AIR BAG" is selected in the System List, then click the check mark.

- d. Select the correct M.F.F data file 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.

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

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

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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.

- 10. Perform an "Erase and Read All DTCs" again to clear any DTCs that may have set. **For instructions, refer to steps 7 and 8 in this TSB.**
- 11. Verify that the software Data No. is now at the latest number listed in the SRS ECU Reprogramming chart in this TSB. For instructions, refer to step 6 in this TSB.
- 12. Turn off the ignition switch and disconnect the MUT-III. Turn off and disconnect the battery charger.
- 13. Test drive the vehicle to confirm proper operation.

WARRANTY / RECALL CAMPAIGN CLAIM INFORMATION

Enter all claims as claim type 'C' - Recall/Campaign Claims.

Please follow the campaign instructions when entering each claim. See the claim example is provided below.

Certain 2017-2018 MY Mirage G4 models.

Recall Claim Header Section:

| | ishi Er (| | Servio Warr | ce Warranty anty Claim | | 20 Main | | Help |
|-----------------------|---------------------|----------------|------------------------------------|---|--------------------------------|----------------------------------|------------------------------|----------|
| Clain Campaig | i Entry n Inform | Vehicle Inform | Enter in the first paign number:) | st 6 characte <u>C1901R</u> . | rs of the can | ¹⁻ rface | PQR/VQR | <u>^</u> |
| Sampary | | | | | | | | _ |
| Campaign Operation | C1901R | | | Ente | r As 🗖 | TCP | | _ |
| No | | | This campaign is | s for reprog | ramming the | SRS-ECU. | | |
| Miles/Km | 64500 | | Check the Open certain of a vehi | Campaign a icle's eligibil | rea of the Su ity, Only VIN | perscreen each s showing C190 | time to be 1R as open are | |
| VIN | JA | | involved. | ,, , , | | <u> </u> | | |
| Service | | Empl | No | | | Emp | No | |
| Technicia | n j | | | Service Ad | | • | | |
| Spec Valu | e * | | | | Duplicat | te Recall * | | |
| Dealer: | 99320 | Ref No: | | | | VIN: | | |
| Claim No: | | Adj: | Claim | Status: | Incomplete | Model and Year: | | |
| | | | Save & Continu | e Ma | in Menu | | | - |

After entering the required customer data, vehicle information, selecting the applicable repair campaign and scenario performed (please note there is only 1 possible repair scenario for this campaign), and then hitting the "Save and Continue" button, the system will automatically fill—in several fields. See the labor and parts examples on the next page.

LABOR OPERATIONS:

There is only 1 possible repair scenario for this campaign. This campaign requires only reprogramming of the SRS-ECU.

| Involved Models | Campaign Op# | Labor Time | Repair Description |
|------------------------------------|-----------------|---------------|-----------------------|
| Certain 2017–2018 Mirage G4 | C1901R01 | 0.4 hrs. | Reprogram the SRS-ECU |

RENTAL CARS:

If there is a need to provide the owner with a rental car, claim the applicable charges in this section of the claim on the lower portion of the labor entry screen.

| Select | Labor Operation | Labor Operation Description | | Amount |
|--------|-----------------|-----------------------------|---|--------|
| | SHO | SPECIAL HANDLING ORDER | SHO Parts Order | |
| | RENTACAR | RENTAL CAR CHARGES | Days Reason Gent rep • Rental Company Invoice Number | |
| | 95300040 | FREIGHT CHARGES | Freight Company Invoice Number | |
| 0 | 95200040 | TOWING CHARGES | Towing Company Invoice Number | |

NOTE: Rental cars applicable in the US and Puerto Rico only.