Technical Service Bulletin

SUBJECT:	No:	**TSB-19-54-012**
SOFTWARE UPDATE FOR NEW OR REPLACEMENT ROCKFORD FOSGATE AMPLIFIER (DAS) - REVISED	DATE:	**May 2019**
	MODEL:	**2015-19 Mirage, 2019 Mirage G4**

CIRCULATE TO:	[ ] GENERAL MANAGER	[**X**] PARTS MANAGER	[**X**] TECHNICIAN
[**X**] SERVICE ADVISOR	[**X**] SERVICE MANAGER	[**X**] WARRANTY PROCESSOR	[ ] SALES MANAGER

> *This bulletin supersedes TSB-16-54-003, issued September, 2016, to add Mirage G4, additional model years for Mirage, and update affected part numbers. Revisions are italicized and indicated by ◄.*

► **NOTE:** *In September, 2016,* **one Amplifier Software Update Kit (p/n AMG17EAB03)** *was* **shipped to each dealer at no charge.** This TSB provides detailed information explaining the specific situations when the software update must be performed. If additional kits are needed, refer to the Parts Information section in this TSB.

PURPOSE

If installing a Rockford Fosgate® ecoPUNCH™ Premium Audio System on a vehicle equipped with DAS (Display Audio System with Smart Phone Link), the Rockford Fosgate software will need to be updated. The software also needs to be updated if replacing a Rockford Fosgate amplifier under warranty (on a vehicle with DAS).

Use the accessory amplifier micro USB input terminal along with instructions provided in this bulletin to properly update the software.

This TSB provides instructions for updating the Rockford Fosgate system's software to properly sound tune the Rockford Fosgate system when a DAS system is present.

AFFECTED VEHICLES

► *The following* vehicles with DAS (Display Audio System with Smart Phone Link) and Rockford Fosgate® ecoPUNCH™ Premium Audio System

► ● *2015 - 2019 Mirage*

► ● *2019 Mirage G4*

INSTALLATION PROCEDURE OUTLINE

Installation of New Rockford Fosgate® ecoPUNCH™ Premium Audio System

1. Confirm that the vehicle is equipped with DAS (Display Audio System with Smart Phone Link).

   ► ● **YES -** Install the Rockford Fosgate® ecoPUNCH™ Premium Audio System per installation instructions provided with the kit *(for applicable part number, refer to Parts Information in this TSB)*. **Go to step 2** for software update.

   ► ● **NO -** Install the Rockford Fosgate® ecoPUNCH™ Premium Audio System per installation instructions provided with the kit *(for applicable part number, refer to Parts Information in this TSB)*. Installation is complete - software update is not necessary.

2. Obtain Rockford Fosgate® software per instructions provided with the Amplifier Software Update Kit (p/n AMG17EAB03) or follow instructions in this TSB to update the Rockford Fosgate® amplifier.

3. Verify that the Rockford Fosgate® ecoPUNCH™ Premium Audio System is operating correctly.

   ● **YES -** Software update was successful.

   ● **NO -** Contact MMNA Techline for assistance.

Copyright 2019, Mitsubishi Motors North America, Inc.   Continued

Installation of Replacement Amplifier (under Warranty) for Rockford Fosgate® ecoPUNCH™ Premium Audio System

1. Confirm that the vehicle is equipped with DAS (Display Audio System with Smart Phone Link).

    ● **YES –** Install the replacement Rockford Fosgate® ecoPUNCH™ amplifier per installation instructions provided with the amplifier (p/n MZ314912). **Go to step 2** for software update.

    ● **NO –** Install the replacement Rockford Fosgate® ecoPUNCH™ amplifier per installation instructions provided with the amplifier (p/n MZ314912). Installation is complete - software update is not necessary.

2. Obtain Rockford Fosgate® software per instructions provided with the Amplifier Software Update Kit (p/n AMG17EAB03) or follow instructions in this TSB to update the Rockford Fosgate® amplifier.

3. Verify that the Rockford Fosgate® ecoPUNCH™ Premium Audio System is operating correctly.

    ● **YES –** Software update was successful.

    ● **NO –** Contact MMNA Techline for assistance.

SOFTWARE UPDATE PROCEDURE

NOTE: The following instructions are copied from the Amplifier Software Update Kit (p/n AMG17EAB03), for vehicles with Rockford Fosgate® ecoPUNCH™ Premium Audio System.

MITSUBISHI MOTORS
GENUINE PARTS

AMPLIFIER SOFTWARE UPDATE KIT
AMG17EAB03
For vehicles with:

ROCKFORD FOSGATE® ecoPUNCH™ PREMIUM AUDIO SYSTEM

Attention

- Make sure to follow the instructions in this manual for proper installation.
- This manual gives precautionary instructions with the following symbols:

⚠**WARNING** This symbol indicates a strong possibility of severe personal injury or death if instructions are not followed.

⚠**Caution** This symbol indicates a particularly important safety instruction. Read and follow it carefully for safety. Failure to heed the caution may result in human injuries or accidents.

Note This symbol indicates an advisory instruction to follow during installation.

- The initial installation quality determines the level of performance, durability, and trouble occurrence in the future. Make sure to read the following instructions carefully beforehand for proper installation.
- Failure to follow these instructions not only prevents the product from working properly but may also lead to trouble with the vehicle. Do **NOT** attempt installation other than instructed in this manual.
- Mitsubishi Motors Corporation is not responsible for any defects or difficulties caused by or resulting from the failure to follow given instructions.
- We recommend you to have the installation performed at an authorized Mitsubishi Motors dealer.

COMPONENTS

USB flash drive and adapter cable.

Note
It is recommended to only use the USB thumb drive supplied by Mitsubishi. Other drives may cover up the status lights on the amplifier.

▲ **MITSUBISHI MOTORS**

SOFTWARE INSTALLATION

The USB flash drive comes preloaded with the Rockford Fosgate DSP Update Tool setup file.

1. To install the software onto your computer, you will need to remove the USB flash drive from the adapter cable and insert it into your computer's USB port.

2. An installation dialog box should automatically start which begins the installation process.

> ❤ **Note**
> In the event it does not auto-start, you will need to double-click the setup.exe file to initiate the installation process. This can be found by going into Windows Explorer and selecting the drive letter of the USB drive.

> ❤ **Note**
> The user (dealer staff that installs the program) must have administrative access to install and use the program.

3. Follow the on screen promps to complete the installation.

SOFTWARE DOWNLOAD

In the event you are not using the USB flash drive supplied by Rockford Fosgate, you can get the Updater Tool from Rockford. You will need to download and install the software directly from the Rockford website onto your computer.

1. Go to www.rockfordfosgate.com/flex41

2. Once you've reached the page, you will be presented with a Log In screen. Enter the following username and password:

Username: "mitsubishi"   **Password "mirage"**

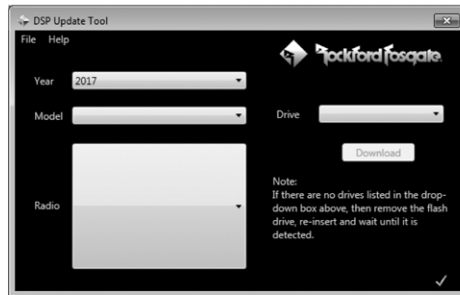3. You will be redirected to the Flex41 Software Download page.

4. Select the "Download" button to begin the download.

5. After the file is downloaded to your computer, you will need to double-click the downloaded file to initiate the installation process.

SOFTWARE INSTRUCTIONS

1. Once you have downloaded and installed the software on your computer, double-click on the "RFDUT" icon that is displayed on your desktop.
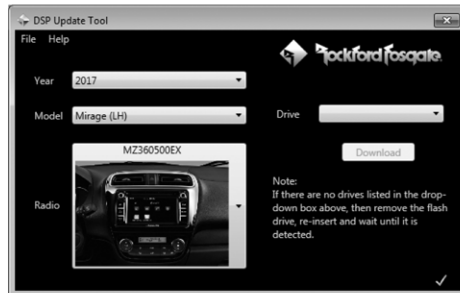

2. Find and select the year of the vehicle from the dropdown list.
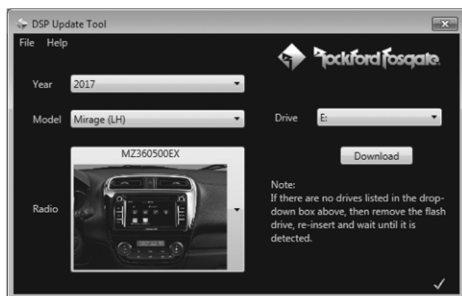

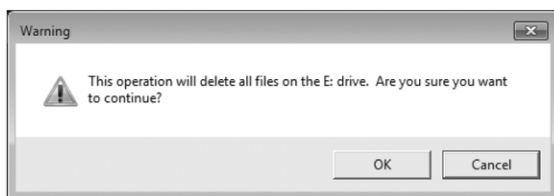3. Find and select the vehicle model from dropdown list.

4. Find and select vehicle radio type from dropdown list.

3

5. Insert a flash drive into the USB port of the computer and wait for the associated drive letter to be displayed in the "Drive" dropdown.
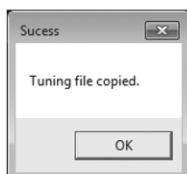

6. Press the "Download" button and then press "OK" to confirm that all files will be erased on the flash drive.

> ❦ **Note**
> Any existing files present on the flash drive will be deleted. DO NOT use a flash drive with files on it that you wish to keep.

7. Select "OK" to confirm that the tuning file has been copied to the flash drive.
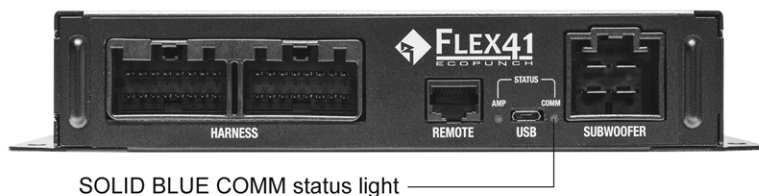

> ❦ **Note**
> The flash drive will automatically be ejected from the computer after "OK" is pressed.

8. Remove the flash drive from the computer and insert into the USB micro adapter cable.

AMPLIFIER SOFTWARE UPDATE

1. Before plugging the USB thumb drive assembly into the Flex41 amplifier, turn on the vehicle's accessory electrical system (turn key or push start button to engage the ACC mode).

2. Check to see that the amplifier is powered ON and the COMM status light is SOLID BLUE.
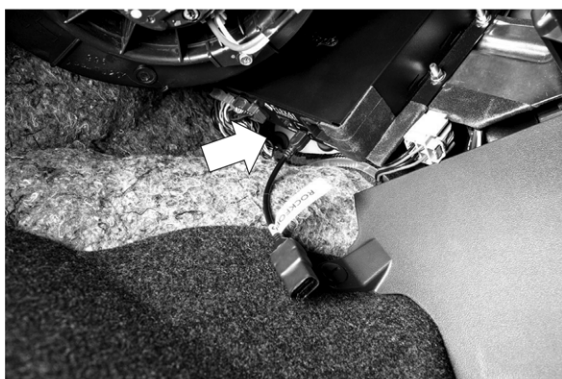

SOLID BLUE COMM status light

4

Note

The amplifier is located on the passenger side of the vehicle about the kick panel.

The AMP STATUS light should be illuminated solid BLUE.

3. Plug the USB thumb drive assembly into the USB jack on the front of the Flex41 amplifier. The amplifier is located on the passenger side of the vehicle above the kick panel.
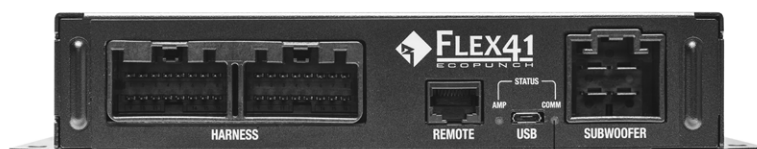

USB jack

Note

Subwoofer cable removed for illustration.

4. The COMM STATUS light will illuminate WHITE when the update begins.

Note

It may appear pale blue when you are not looking straight into the light.

WHITE COMM status light

While the tuning updates are in process, the COMM status light will alternate between FLASHING WHITE, SOLID WHITE, and NOT ILLUMINATED over a short period of time (<30 seconds).

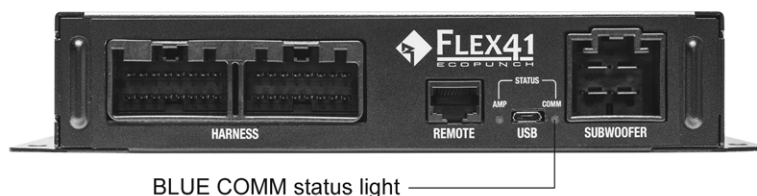5. When the COMM STATUS light illuminates SOLID GREEN the tuning update is complete.

⚠ Caution

Do NOT unplug the USB drive until the COMM STATUS light turns SOLID GREEN.
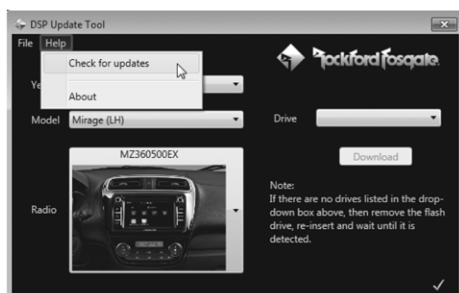

SOLID GREEN COMM status light

6. When the update is complete. Unplug the USB thumb drive assembly and the amplifier will reset and turn back on (AMP STATUS light is SOLID BLUE). The amplifier has been successfully re-programmed.

BLUE COMM status light

7. Once the amplifier has been successfully updated, make sure to turn the radio ON and check the audio system for normal operation.
8. Turn vehicle off.
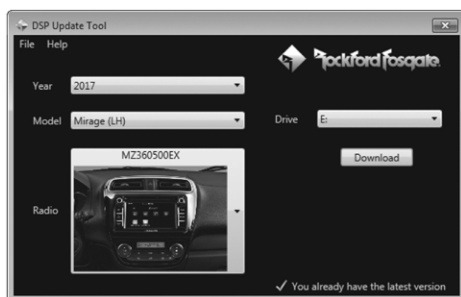
CHECKING FOR AVAILABLE SOFTWARE UPDATES

The tool has an automatic update feature that will check for new updates when launched. The computer with tool installed needs to be connected to the internet for this feature to work. In the event you feel the software is not automatically updating, there is a manaul update feature available. The user can check for updates at any time by selecting *Help->Check for Updates* from the menu.

Note

The user (dealer staff that installs the program) must have administrative access to install, update and use the program.

The status of the update check can be found in the lower right hand corner of the screen.

6

The current version of the tool can be accessed by selecting *Help>About* from the menu.

TROUBLE SHOOTING

If the USB updating process is unsuccessful for any reason, the COMM STATUS light will illuminate SOLID RED. Please unplug the USB drive and repeat the steps above until the amplifier has been successfully re-programmed and the COMM STATUS light is illuminated SOLID GREEN.

If the tuning update will not take, you will need to replace the amplifier and a repeat the update once installed into the vehicle.

PARTS INFORMATION

The following parts are listed for reference only. Order only the Genuine Mitsubishi Parts listed below if needed.

For Software Update of Amplifier ONLY*:

Description	Part Number	Quantity
Amplifier Software Update Kit (for vehicles with Rockford Fosgate® ecoPUNCH™ Premium Audio System)	AMG17EAB03	1

* As stated on page 1, each dealer has been shipped one kit that can be used on multiple vehicles. Order only if another kit is needed.

Use when installing a complete new Rockford Fosgate® ecoPUNCH™ Premium Audio <u>System</u>:

Description	Model	Model Year	Part Number
Rockford Fosgate® ecoPUNCH™ Premium Audio System	*Mirage*	*2015-2019*	*AMG14EAB01*	◄
	Mirage G4	*2019*	*MZ315069*	◄

Use when installing a new Rockford Fosgate® ecoPUNCH™ Amplifier to replace a defective part:

Description	Part Number
Amplifier (for Rockford Fosgate® ecoPUNCH™ Premium Audio System)	MZ314912

WARRANTY INFORMATION

This bulletin is supplied as supplemental information only. There is no additional warranty reimbursement for performing the software update where applicable.