

REFERENCE:	TSB: 08-082-23 REV. A GROUP 08 - Electrical	Date:	July 25, 2023	REVISION:	08-082-23
VEHICLES AFFECTED:	<p>2022 - **2023** (DS) RAM 1500 Pickup 2022 (DT) RAM 1500 Pickup 2022 (DJ) RAM 2500 Pickup 2022 (DD) RAM 3500 Cab Chassis 2022 (D2) RAM 3500 Pickup 2022 (DP) RAM 4500/5500 Cab Chassis 2022 (DF) RAM <10K Cab Chassis 2022 (RU) Chrysler Pacifica</p> <p>This bulletin applies to vehicles equipped with one of the following radios:</p> <ul style="list-style-type: none"> • Uconnect 5 w 7" Display (Sales Code UBC UEC). • Uconnect 5 W 8.4" Display (Sales Codes UFD, UPD UBD and UED). <p>**This bulletin applies to DS vehicles built on or before April 15, 2023 (MDH 0415XX).**</p>			MARKET APPLICABILITY:	
CUSTOMER SYMPTOM:	<p>The customer may describe one or more of the following:</p> <ul style="list-style-type: none"> • **Media source changes to AM after the theme mode is changed (ex. headlights on - dark mode). • Audio cuts out at volume levels 30 or above. • System switches to Wireless after key cycle, profile change, or theme mode change. • Wireless phone interface freezes after user accepts incoming call when in a conference call. • Wi-Fi Hotspot gets disabled automatically when turning the vehicle ignition off for a long period. • Loss of SXM™/AM/FM presets. • Blank Screen when Home Screen Loading. (rear view camera operation not affected). • Radio Reboot.** • Phone notification volume pops up while switching between driver profiles. • Media widget gets "blacked out" on SXM™ after switching user profiles. • In light theme mode and in balance/fade menu, hard to see the position icon. • In shortcuts menu pulled down from status bar, the right side arrow is highlighted like it can be selected. This should be greyed out like the left arrow. • Compass not showing or showing incorrect direction. • When on a phone call with wireless connectivity, echo noise can be heard. • SXM™ radio audio is playing in vehicle speakers while call is ongoing. • SXM™ radio stuck on current channel, no audio and unable to navigate to other channels using soft keys or knob. 				
CAUSE:	Radio software				

This bulletin supersedes Technical Service Bulletin (TSB) 08-082-23, date of issue April 07, 2023, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include additional symptoms, model years, build date, software level, RSU number and LOPs.

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 23-221, date of issue July 25, 2023. All applicable RSU VINs have been loaded. To verify this RSU service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/ Service Library. All repairs are reimbursable within the provisions of warranty. This RSU will expire 18 months after the date of issue.

REPAIR SUMMARY:

This bulletin involves inspecting the software level and updating the software from **136.09, 136.10.04, 139.01.53, 145.00.15 to R160.00.21**.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
**18-60-03-AP	Radio, Check Software Level (RSU Only) (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
18-60-03-AR	Radio, Software Create USB Jump Drive From Uconnect Website (One Time Only) (RSU Only) (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
18-60-03-AQ	Radio, Inspect Software Level and Perform Software Update (RSU Only) (0 - Introduction)	6 - Electrical and Body Systems	0.6 Hrs.
18-60-F2-AQ	Radio, Software Create USB Jump Drive From Uconnect Website (One Time Only) (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
18-60-F2-AP	Radio, Inspect Software Level and Perform Software Update (0 - Introduction)	6 - Electrical and Body Systems	0.6 Hrs.**
Failure code	RF	Required Flash - RSU	
	CC	Customer Concern	

The dealer must choose which failure code to use depending on if this is a Rapid Service Update (RSU) or Technical Service Bulletin.

- The “RF” failure code is required for essential module flash/reprogramming and can only be used after confirmation that the VIN is included on the RSU.
- The failure code “RF” (Required Flash) can no longer be used on Technical Service Bulletin flashes. The “RF” failure code must be used on an RSU.
- If the customer’s concern matches the SYMPTOM/CONDITION identified in the Technical Service Bulletin, failure code CC is to be used. When utilizing this failure code, the 3C’s must be supplied.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerCONNECT/Service Library, verify all related systems are functioning as designed. If Diagnostic Trouble Codes (DTCs) or symptom conditions, other than the ones listed above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If a customer’s VIN is listed in VIP or your RSU VIN list, perform the Inspection Procedure. If any vehicle not on the VIN list exhibits any of the symptoms listed above in the customer symptom section, perform the Inspection Procedure.

INSPECTION PROCEDURE:

1. On the radio display screen go into “Vehicle Settings”.
2. Select “System Information”.
3. Select “Version Information”.
4. Under the “Build Number”, radio software version is listed. For example, the software version here is **R160.00.21 (Fig. 1) .



**Fig. 1
Radio Software Level Screen**

5. Is the current radio software one of the ones listed below?
 - 136.10.04
 - 136.09
 - 139.01.53
 - 145.00.15**
 - YES>>> Proceed to [Step 1](#) of the Repair Procedure.
 - NO>>> Proceed to [Step 6](#) of the Inspection Procedure.
6. Is the vehicle on the RSU VIN list?
 - YES>>> This bulletin has been completed. Use inspection LOP ****(18-60-03-AP)**** to close the active RSU.
 - NO>>> This bulletin does not apply to the vehicle, normal diagnostic should be performed.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	–	–

REPAIR PROCEDURE:

NOTE: Install a battery charger to ensure battery voltage does not drop below 13.2 volts. Do not allow the charging voltage to climb above 13.5 volts during the flash process.

NOTE: If this flash process is interrupted/aborted, the flash should be restarted.

1. Reprogram the radio with the latest software ****R160.00.21**** via USB flash drive.
2. Has a **4 GB** USB flash drive been created?
 - YES >>> Proceed to [Step 13](#).
 - NO >>> Proceed to [Step 3](#).
3. Perform the following steps to format the USB flash drive ([Fig. 2](#)) .
 - a. Select “FAT32” format.
 - b. Select “Default allocation size” under Allocation Unit Size.
 - c. Select “Quick Format” under Format Options.
 - d. Click “Start”.

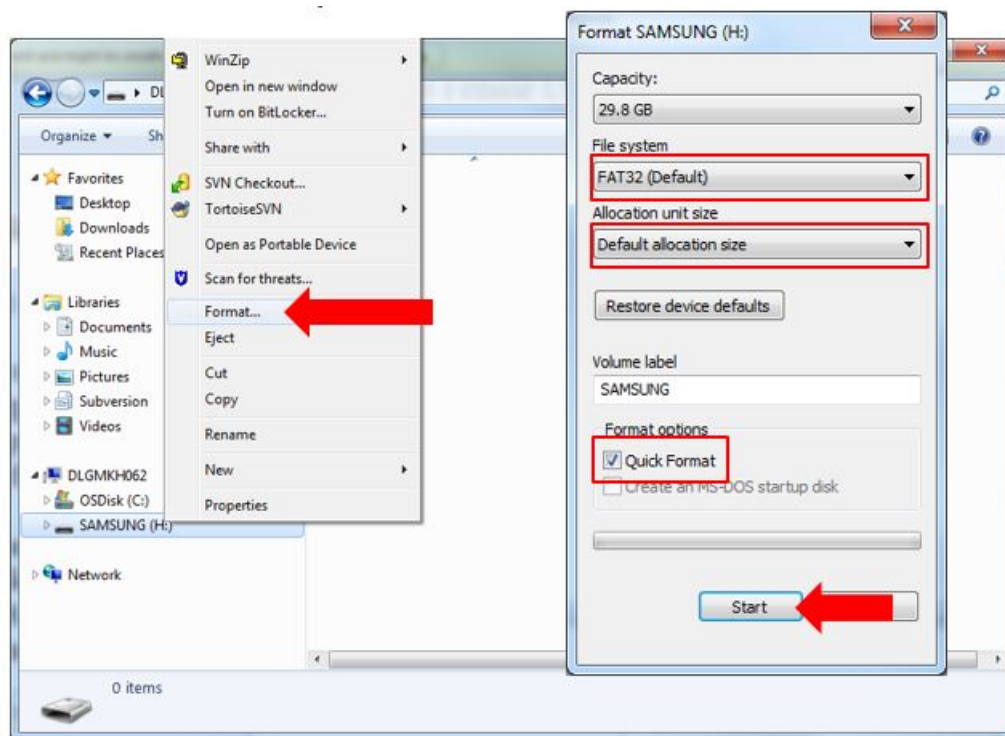


Fig. 2
Formatting The USB Flash Drive

4. Go to DealerCONNECT>Service>Uconnect Command Center>Uconnect>More Information >Dealer software downloads to download the files.

NOTE: If the software cannot be downloaded, make sure you have proper security access. If not, have the Service Manager or Shop Foreman download the software update.

5. Use a blank USB flash drive with at least 4 GB of space. Follow the on-screen instructions to download the software files.

6. Download the software update file to your local PC's desktop. Make sure to select the "MAC" radial button for all downloads (Fig. 3) .

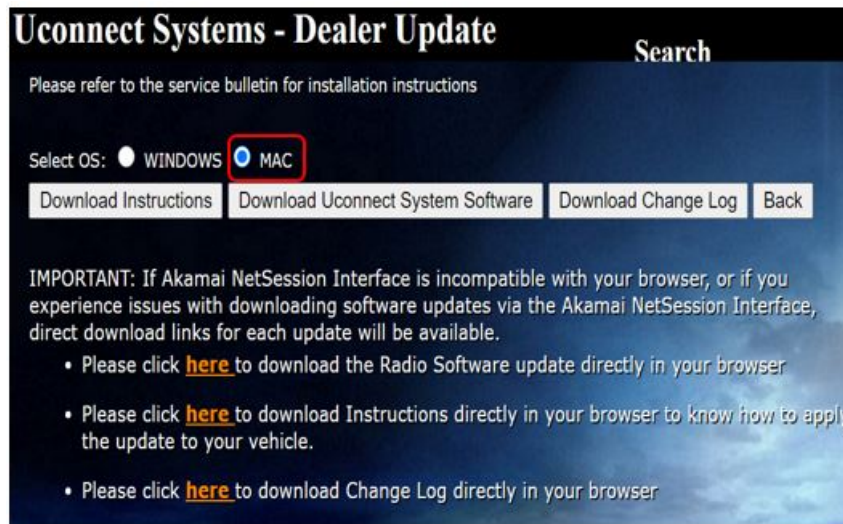


Fig. 3
MAC Download Steps

7. Be sure to download the file to your designated folder before extracting the zip file to the blank USB flash drive.

NOTE: A blank USB flash drive will be needed for each radio update; additional updates cannot be on the same USB flash drive.

8. Unzip the file to the root folder of USB flash drive. File should not be within a zip folder. .

NOTE: It may take a few minutes for an accurate extract time to be displayed.

9. Once the file is extracted to the USB flash drive flash drive, it is recommended to label the USB flash drive with the bulletin number and proper radio Sales Code.

CAUTION! Eject the USB flash drive properly from your PC. Failure to eject the USB flash drive properly may result in an improper file byte size and cause the update to not fully download.

10. Perform the following steps to properly eject the USB flash drive :
- Right click on the location of the USB flash drive.
 - Click "Eject" to avoid data corruption.
 - Remove the USB flash drive from the PC.

NOTE: Verify the vehicle fuel level is at least 1/8 of a tank. If not, add fuel as required.

11. Shut off all remaining accessories for the duration of the update (flashers, climate controls, etc.).
12. Wait for the radio to fully power on and initialize. Ensure all splash, partner logo, animation, disclaimer and main screens have loaded, before starting the software update.

NOTE: The engine must be running and radio powered on during the update. Failure to do so may result in the radio not being updated and create connectivity issues. DO NOT remove the USB flash drive during the update.

13. Start the vehicle and insert the USB flash drive into the USB port.

14. Vehicle must be out of “Ship Mode”. Starting at the radio ‘Home’ screen (Fig. 4) .



Fig. 4
Home Screen

CAUTION! Ensure NO other device is plugged into any of the USB ports while performing this update. If other devices are connected to the USB ports during the update, it may cause failure of files to be loaded. Failure to do so may cause the radio to need replacement.

15. Insert the USB flash drive into the USB port.

16. The radio will prompt you if you want to update to the newest software version (Fig. 5) .

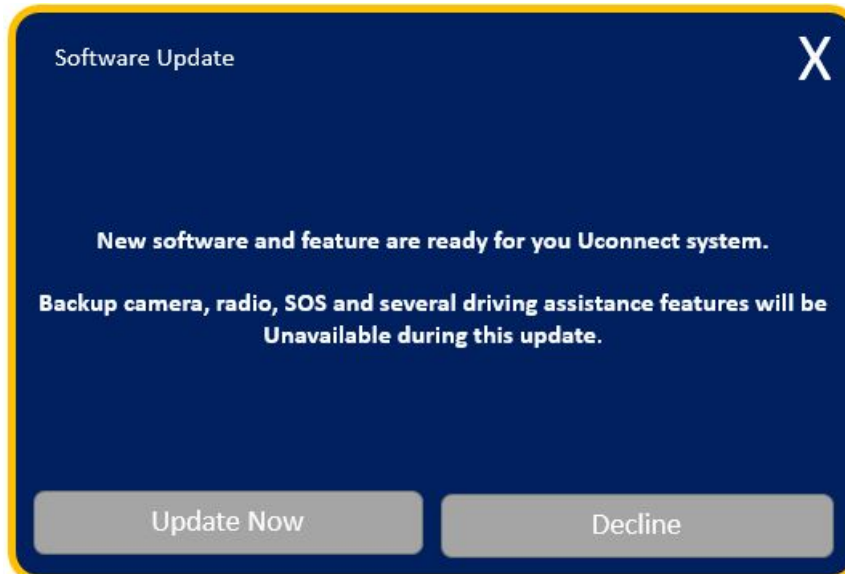


Fig. 5
Software Update Screen

- 17. Select "Update Now".
- 18. The radio will prompt you if you want to continue updating to the newer software (Fig. 6) .

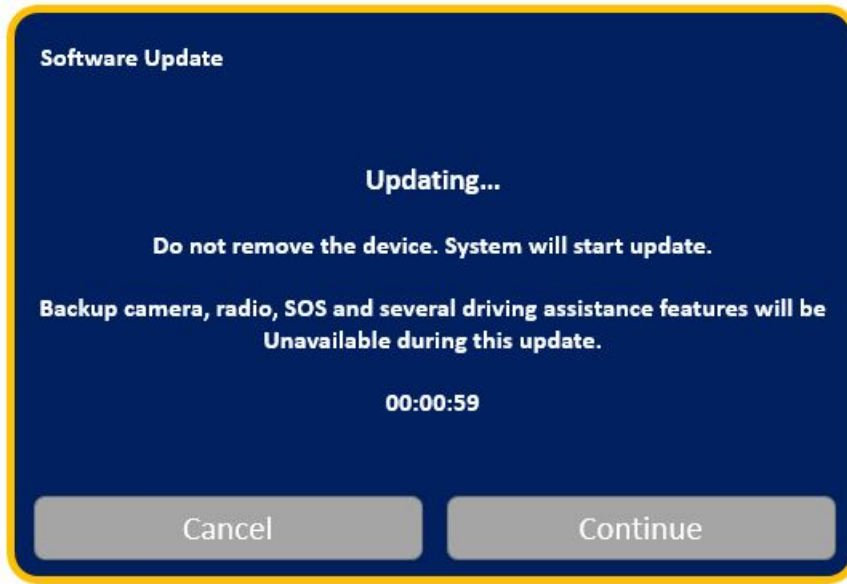


Fig. 6
Software Updating Screen

- 19. Select "Continue" (Fig. 7) .

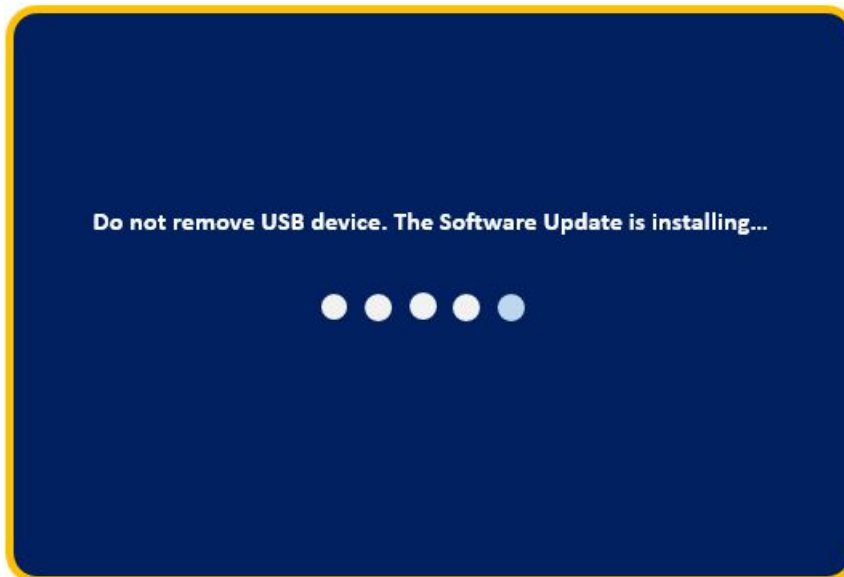


Fig. 7
Installing Update Screen

20. The update will take approximately 15-20 minutes (Fig. 8) .

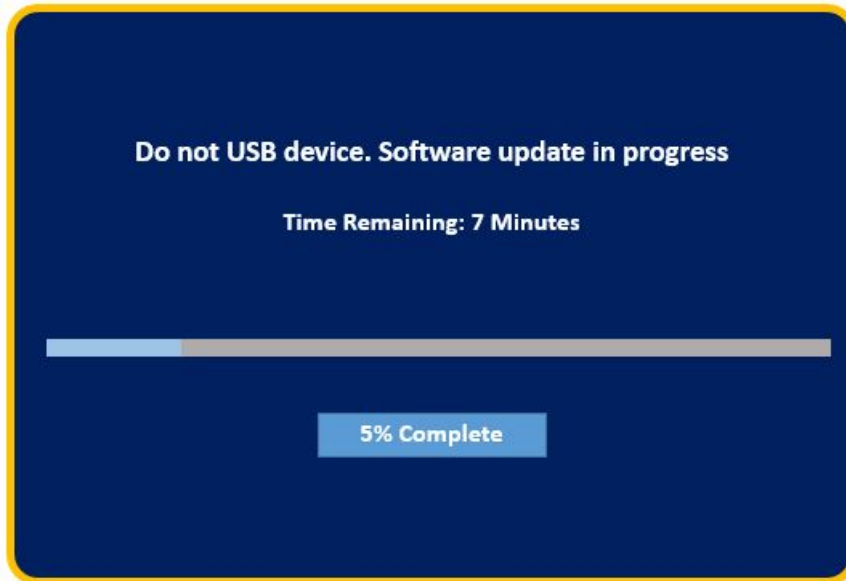


Fig. 8
Update In Progress Screen

21. The radio will reboot and you will observe the update screen after the splash screen once the update has been successful (Fig. 9) .

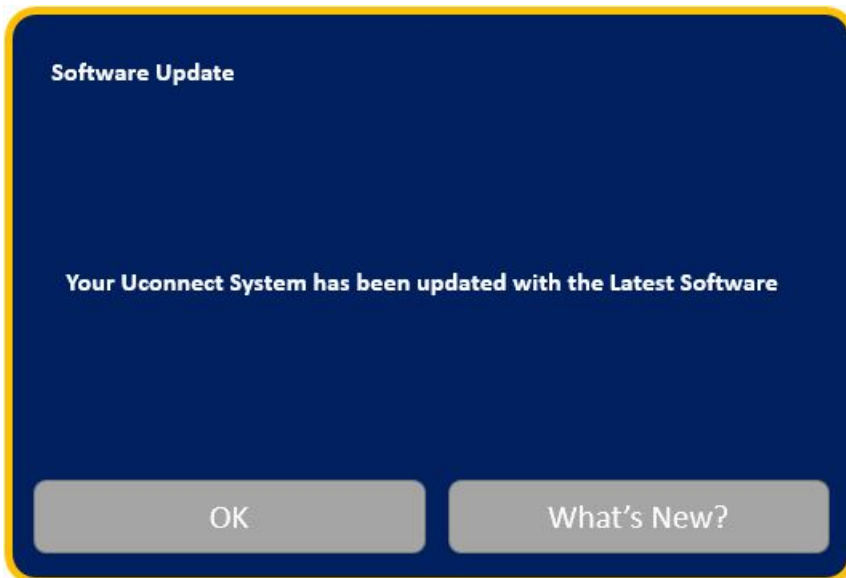


Fig. 9
Software Updated Screen

22. Select “What’s new” to confirm the software has been updated to ****R160.00.21**** (Fig. 10) .

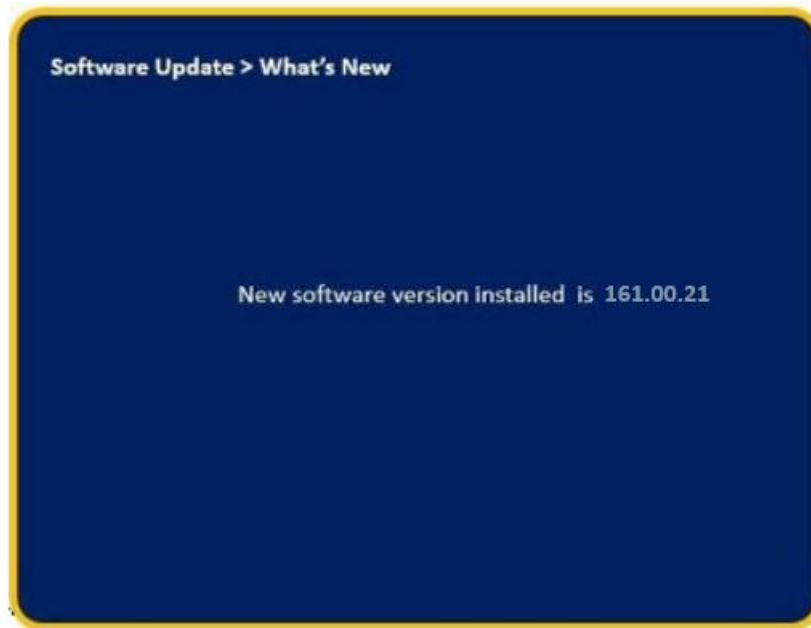


Fig. 10
What's New Screen

23. Remove the USB flash drive from the USB port.
24. Cycle the ignition 'Off' and allow vehicle to go to sleep for two minutes.
25. Clear all DTCs that may have been set.

POLICY:

Reimbursable within the provisions of the warranty.

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.