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GROUP: 08 - Electrical

DATE: December 19, 2020

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This bulletin supersedes Technical Service Bulletin 08-067-20 REV. A, date of issue November 18, 2020 and 08-050-19, Date of issue May 17, 2019 which should be removed from your files. This is a complete revision and no asterisks have been used to highlight revisions.

SUBJECT:

UGQ Radio Enhancements

OVERVIEW:

This bulletin involves inspecting the software level to see if the radio needs one or two USB flash drive(s) to update the radio software level to 39.2.

CAUTION! It is critical that every step of the bulletin is reviewed and performed properly. If any steps are missed the radio can be damaged and may need to be replaced.

MODELS:

2018	(BU)	Jeep Renegade
2019 - 2020	(BV)	Jeep Renegade

NOTE: This bulletin applies to vehicles within the following markets/countries: EMEA.

NOTE: This bulletin applies to vehicles built on or after December 07, 2017 (MDH 1207XX) and built on or before October 15, 2020 (MDH 1015XX) equipped with Uconnect 8.4 navigation radio (Sales Codes UGQ) and WITHOUT Global Telematics Box Module (TBM) (Sales Code RDG).

SYMPTOM/CONDITION:

Customers may experience one or more of the following:

- If the language is set in Spanish, and the customer tries to search for an address with Voice Recognition (VR), it will not recognize these locations.

NOTE: VR can not find street names / location in Catalan language (present in Barcelona area and nearby). To correct this symptom, the radio SW has to be at QR39.2 and the Nav Map SW version has to be at 19Q2.

- In the Uconnect App, under Live > Jeep Skills > Indicator, the "Current" meter will display the incorrect amperage readings.

NOTE: The battery current indicator will display the incorrect value, it will show the number 65536, stating that it is exactly in the full range scale.

- Audio inoperative. No audio from any media source. No audio from navigation prompts. No audio from cell or initial message prompt.

NOTE: The audio/sound will continue to work properly for the chimes and touchscreen beeps.

- Lost preset issue.

- The soft key for the heated seats and heated steering wheel are grayed out on the display screen and these features do not work.
- If the vehicle has been turned off for a long time, the settings for auto folding side mirrors is turned off (2018).
- Radio resets intermittently (2018).
- Radio display screen locks up (2018).
- Park assist chime will continue to chime, after the vehicle is turned off (2018).
- Radio will display the incorrect speed limit in kph, when approaching a road speed camera (2018).
- Uconnect Live feature may not function properly (2018).

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 the customer describes any of the symptom/conditions listed above, perform the Inspection Procedure.

INSPECTION:

CAUTION! If the radio has software 19.0x or lower this is an early built radio, Do Not perform this bulletin. Software 19.10 or higher can not be used on early built (before December 07, 2017) vehicles. If an early built vehicle is updated with 19.10 or higher software, this will cause the radio to lock up and it will need to be replaced.

1. Verify the radio software version. Radio must be in Dealer Mode to verify by following these steps:
 - a. Press and hold both lower corners of the display screen, until the Dealer Mode screen appears (approximately seven seconds). Release screen.
 - b. Select "Radio Part Information". The software version will be listed next to "Application Version" (Fig. 1) .



Fig. 1
Radio Software Level Screen

2. What is the radio software level (Application Version) at?
 - 39.2 or higher >>> The radio software is already up to date. Normal diagnostics should be performed.
 - At or above 28.31 and under 39.2 >>> The radio will only need one USB flash drive to update the radio. Create a USB flash drive with 39.2 software. Proceed to [Step 1](#) of the Repair Procedure.

NOTE: Two USB flash drive will be needed to perform a two step update. Only one software update can go on one USB flash drives.

- At or above 19.10 and under 28.31 >>> The radios will need two USB flash drives to update the radio. Create two USB flash drives, one with 28.31 software and one with 39.2 software. Proceed to [Step 1](#) of the Repair Procedure.

REPAIR PROCEDURE:

NOTE: Before and after any single phase of update is MANDATORY to take a Vehicle Scan Report by wiTECH. Scan reports can be requested during warranty claim assessment; failing to show them can result in refusing to pay the warranty claim

CAUTION! Updating the radio directly from software level IR-19, IR-21 or IR 22 to QR-39.2 will cause the radio to be damaged and it will need to be replaced. Always remember to properly perform the two step update if required.

1. Using wiTECH create a Vehicle Scan Report and save a copy to the work order.
2. Has a **4GB** USB flash drive been created?
 - YES >>> Proceed to [Step 10](#).
 - NO >>> Proceed to [Step 3](#).

NOTE: When downloading the software file(s) from the Uconnect site, always select the MAC version, regardless of the computer being used.

3. Go to DealerCONNECT>Service>Uconnect Command Center>Uconnect>More Information >Dealer software downloads to download the files.
4. If a security message appears “Do you want to view only the web page content that was delivered securely?” ([Fig. 2](#)) . Press “No” to continue.



Fig. 2
Pop-Up Security Message

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 4GB 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) .

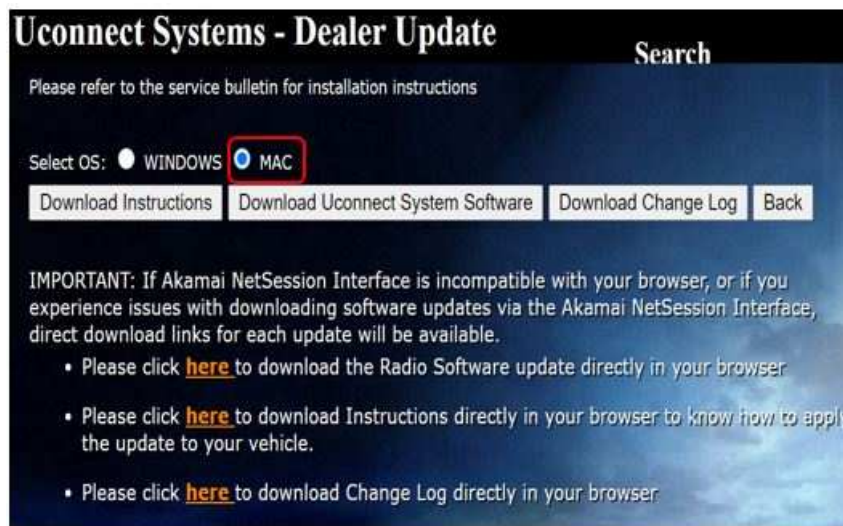


Fig. 3
MAC Download Steps

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 all the files to the root folder of USB flash drive. Files should not be within a zip folder. Your USB files should look like (Fig. 4) when you open it.

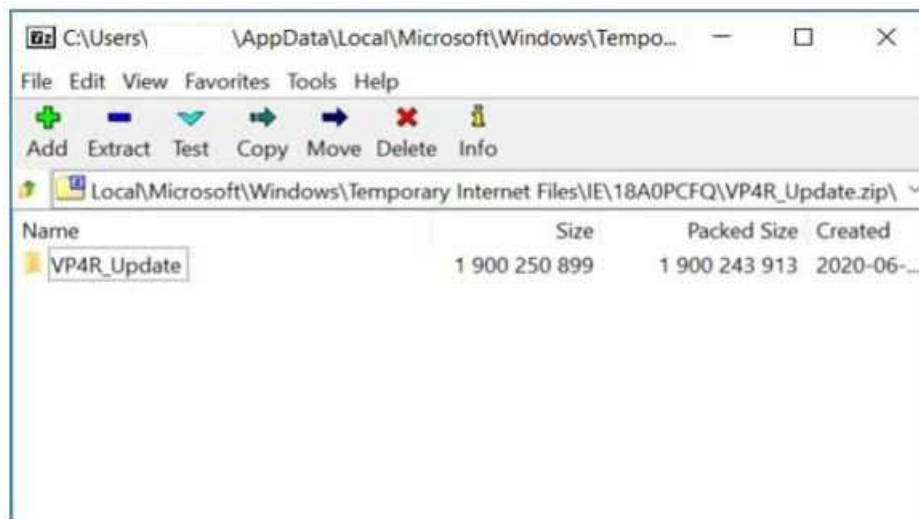


Fig. 4
Files/Folders In The USB Flash Drive

9. Once the file is extracted to the USB flash drive, it's recommended to label the USB flash drive with the bulletin number and proper software level.
10. Start the vehicle and insert the correct USB flash drive with new software into the USB port. Make sure if this is a two step update always start with the lower (28.31) software level first.

CAUTION! Make sure no other device is plugged into any of the USB ports while performing this update. If other devices are connected to USB ports during re-programming, it may cause failure of files to be loaded which may cause the radio to need replacement.

11. If the screen in (Fig. 5) is displayed, the USB flash drive was not set up correctly. Use a top name brand USB flash drive, like Kingston, create a new USB flash drive and start the update again.



Fig. 5

Software Not Compatible Screen

12. If the radio software is already up to date, the screen in (Fig. 6) will be displayed. Press "OK" and remove the USB flash drive.

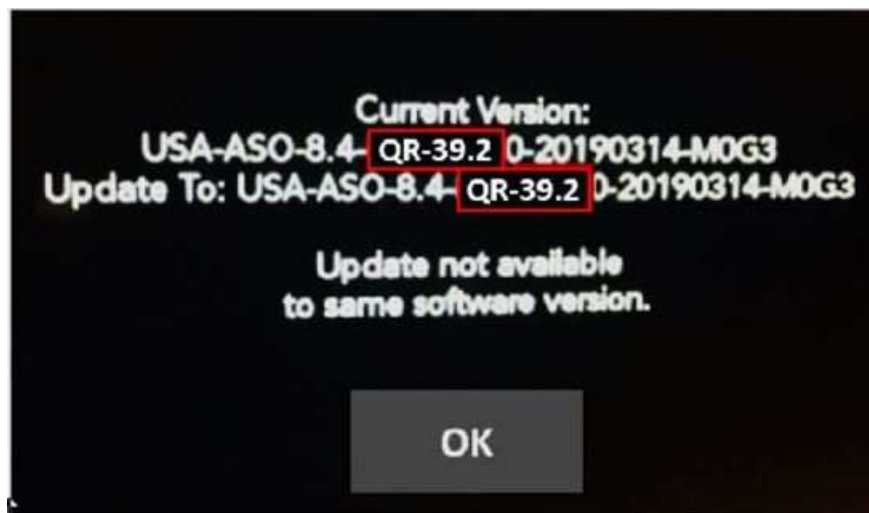


Fig. 6

Screen Displayed When Radio Software Level Is Up To Date

NOTE: If the ignition is turned off before the two minutes has expired, the software update will be canceled. The ignition does not have to be turned off to perform this updated. (Fig. 8) .

13. Once the system has verified there is an available update, press the “Update Now” button. Make sure the vehicle is in park, **DO NOT** turn off the ignition (Fig. 7) .

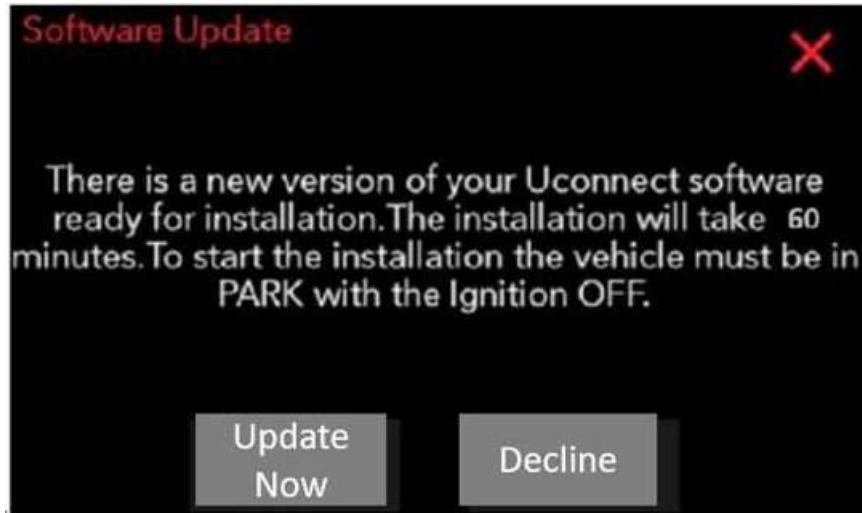


Fig. 7
Software Update Is Available

14. When the radio starts updating, the screen in (Fig. 8) will be displayed.

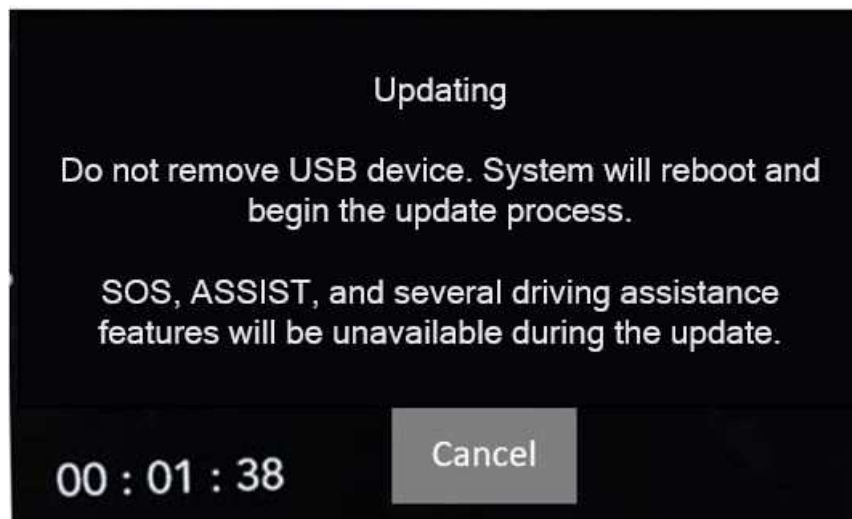


Fig. 8
Updating Screen

15. The radio will reboot and the update will begin. The update should only take 25 minutes, the timer on the screen may display the incorrect time remaining, (Fig. 9) .

NOTE: The completion indicator may not reach 100%, even though the software update has been completed. Once the software update has finished, the radio and display screen will turn off.

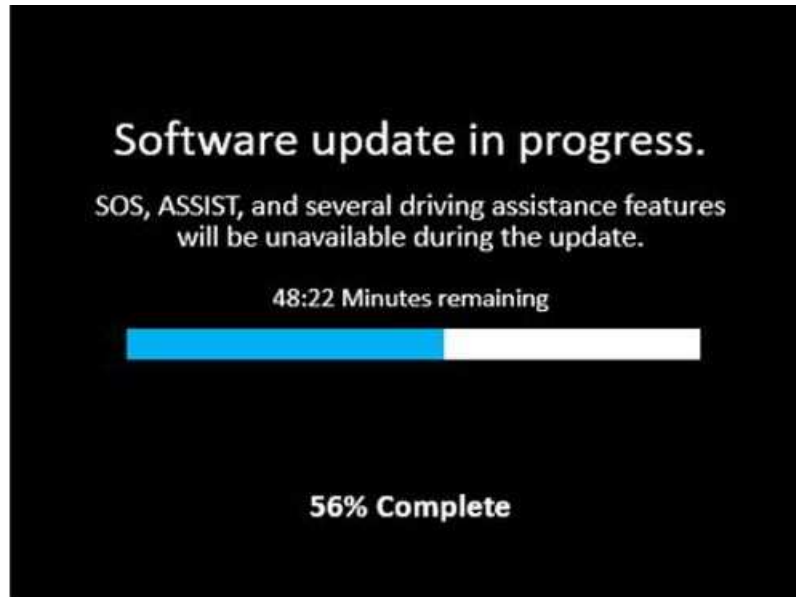


Fig. 9
Software Update In Progress

16. After the update has completed, the radio will shut down. With the USB flash drive still inserted in the USB port, cycle the ignition back to the run position. If the radio software was updated correctly the "Current Version:" and the "Update To:" software levels in (Fig. 10) will display the identical software level. Press "OK" and remove the USB flash drive.

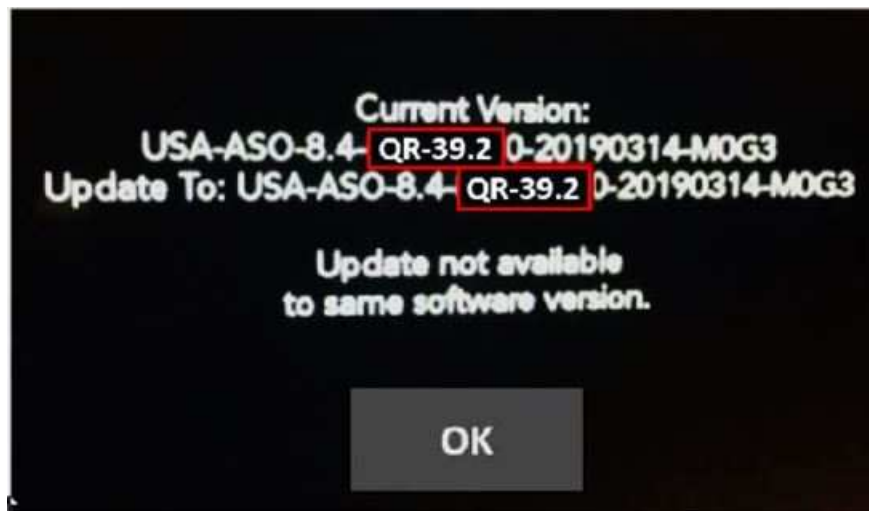


Fig. 10
Radio Software Has Been Updated

17. Cycle off the ignition, open and close the driver door and let all modules go into a sleep mode.
18. Using wiTECH create a Vehicle Scan Report and save a copy to the work order.
19. What was the radio software level after this update was completed?
 - 39.2 >>> The radios download has been completed. Proceed to [Step 20](#) of the Repair Procedure.
 - 28.31 >>> The 2nd phase of the radio update needs to be performed. Proceed to [Step 1](#) of the Repair Procedure.
20. Check if the navigation is working properly by pressing the 'Nav' button on the bottom tool bar. Verify the navigation map loads properly.
21. If the radio or navigation software didn't update properly or the navigation map doesn't load, attempt the software update one more time. If the software doesn't update properly or the navigation doesn't work, the radio may need to be replaced.
22. Using the wiTECH, clear all DTCs that may have been set in any module due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.

NOTE: After performing the radio update, the radio display screen may have a ghost image that will not clear even after cycling off the ignition. This ghost image may appear on any radio screens selected. Do not replace the radio for this concern, turn the vehicle off and allow the radio and vehicle to enter a full power down cycle. A full power down cycle may take 5 minutes.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-60-02-CA	Radio, Check Software Level and Perform Software Update Updated Software Level to 39.2 (One Step USB Update) (0 - Introduction)	6 - Electrical and Body Systems	0.6 Hrs.
18-60-02-BS	Radio, Check Software Level and Perform Software Update Updated Software Level to 28.31 and 39.2 (Two Step USB Update) (0 - Introduction)	6 - Electrical and Body Systems	0.9 Hrs.
18-60-02-BR	Radio, Software - Create USB Flash Drive From Uconnect Website (One Time Only) Updated Software Level to 28.31 (0 - Introduction)	6 - Electrical and Body Systems	0.4 Hrs.

18-60-02-BC	Radio, Software - Create USB Flash Drive from Uconnect Website (One Time Only) Updated Software Level to 39.2 (0 - Introduction)	6 - Electrical and Body Systems	0.4 Hrs.
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NOTE: The “One Time Only” LOP is used one time per dealer when downloading the software onto a USB flash drive. The dealer can only use the download LOP, one time for each of the radios listed.

FAILURE CODE:

The dealer must use failure code CC with this Service Bulletin.

- If the customer’s concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- When utilizing this failure code, the 3C’s (customer’s concern, cause and correction) must be provided for processing Service Bulletin flash/reprogramming conditions.

CC	Customer Concern
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