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GROUP: 08 - Electrical

DATE: December 21, 2019

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This bulletin supersedes Service Bulletin 08-127-18, dated September 29, 2018, which should be removed from your files. All revisions are highlighted with **asterisks**** and include additional MY, remove build date, software, symptoms and LOPs.**

SUBJECT:

UJQ Radio Enhancements

OVERVIEW:

This bulletin involves inspecting and if required, updating the radio software level to:

- ****22.5 Without** Digital Audio Broadcasting (Sales Code RS9).******
- 21.10 **With** RS9.

MODELS:

2018 - ****2019**** (JL) Jeep Wrangler

NOTE: This bulletin applies to vehicles within the following markets/countries: EMEA, LATAM and APAC.

NOTE: This bulletin applies to vehicles equipped with an Uconnect 8.4 navigation radio (Sales Code UJQ).

SYMPTOM/CONDITION:

Customers may experience one or more of the following:

- ****Arabic language is missing (Without RS9).**
- Navigation inoperable (Without RS9).
- Bottom menu bar of the radio is non responsive or frozen (Without RS9).
- After viewing the weather map following a flood advisory popup, the main soft key's at the bottom of the screen may not respond when pressed (Without RS9).
- Radio will not turn off (Without RS9).
- Poor AM/FM Reception (Without RS9).******
- Uconnect Live feature may not function properly (EMEA only).
- Radio may reset, turn off and then back on.
- Radio display screen freezes. Can freeze in any mode: navigation, audio or backup camera.
- Audio distortion heard during phone calls and CarPlay®.
- Rear View Camera (RVC) display screen turns blue or green.

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 the symptom/condition listed above, perform the Inspection Procedure.

INSPECTION:

1. Verify the radio software version. Radio must be in "Dealer Mode" to verify. To put the radio into "Dealer Mode" perform the following steps:
 - a. Push and hold the front defrost, driver temperature up and temperature down buttons simultaneously until the 'Dealer Mode' screen appears (approximately seven seconds). Release buttons.
 - b. Select "Radio Part Information". The software version will be listed next to "Application Version" (Fig. 1) .



Fig. 1

Radio Software Level Screen

2. Is the radio software level (Application Version) at or higher than, 21.10 (With RS9) or 22.5 (Without RS9)?
 - YES >>> The radio software is already up to date. Normal diagnostic should be performed.
 - NO >>> Proceed to [Step 1](#) of the Repair Procedure.

REPAIR PROCEDURE:

NOTE: A 16GB USB flash drive is required for this update. The normal 4GB USB flash drive will not be sufficient.

1. Has a **16GB** USB flash drive been created?
 - YES >>> Proceed to [Step 9](#).
 - NO >>> Proceed to [Step 2](#).

NOTE: When downloading the navigation software file equipped with a Uconnect 8.4 navigation radio, always select the MAC version, regardless of the computer being used.

2. Go to DealerCONNECT>Service>Uconnect Command Center>Uconnect>More Information >Dealer software downloads to download the files.
3. 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.

4. Use a blank USB flash drive with at least 16GB of space. Follow the on-screen instructions to download the software files.
5. 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

6. 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 can not be on the same USB flash drive.

7. 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, displaying multiple files/folders.

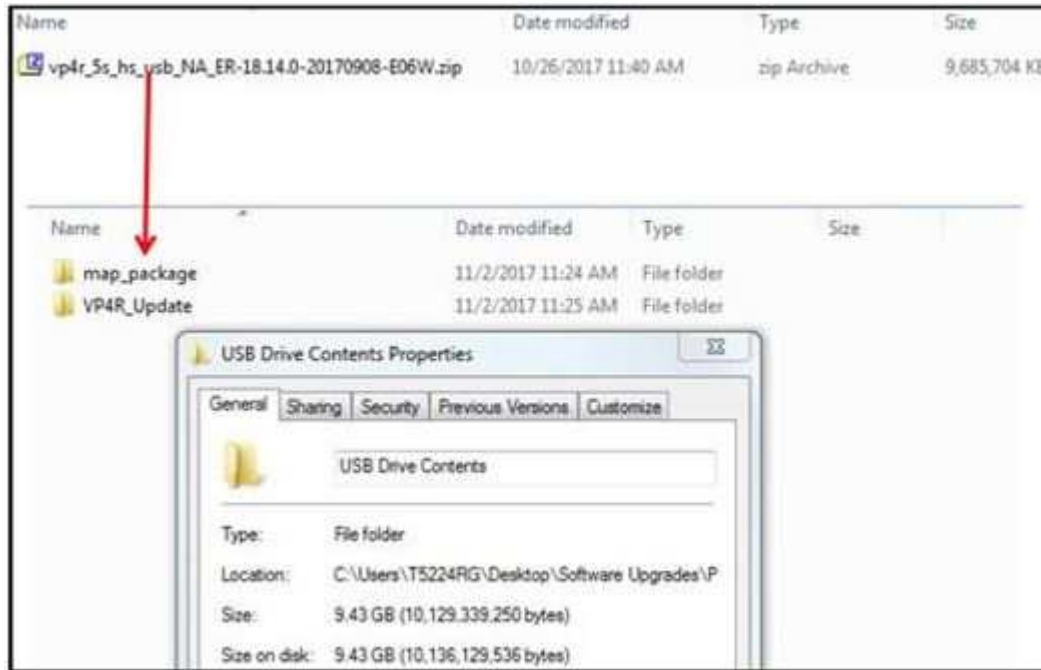


Fig. 4
Files/Folders In The USB Flash Drive

8. Once the file is extracted to the USB flash drive, it is recommended to label the USB flash drive with the bulletin number and proper radio Sales Codes.
9. Start the vehicle and insert the correct USB flash drive with new software into the USB port.

CAUTION! Make sure no other device is plugged into any of the USB ports while performing this re-program. 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.

10. 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 and create a new USB flash drive. Start the update again.



Fig. 5
Software Not Compatible

NOTE: This software will update the radio to version 22.5.

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

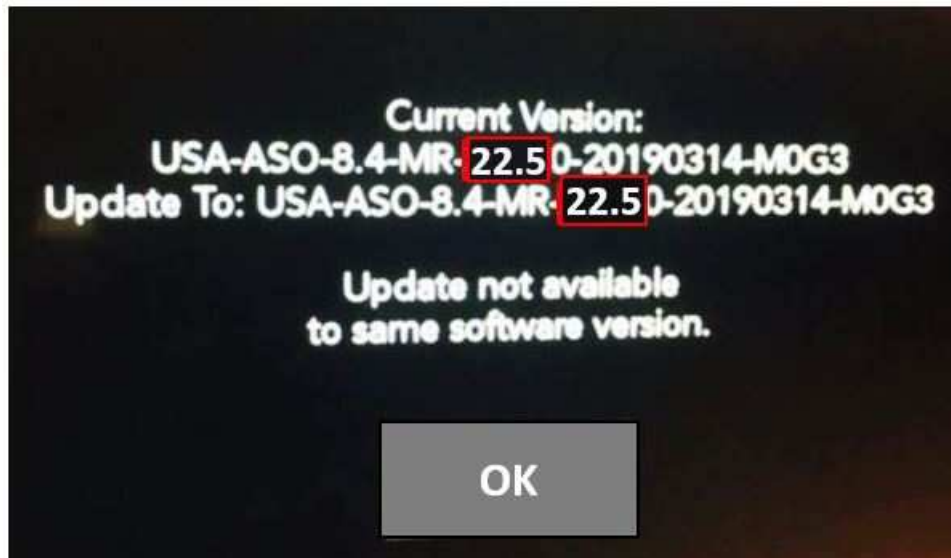


Fig. 6
Screen Displayed When Radio Software Level Is Up To Date

12. Once the system has verified there is an available update, press the “Update Now” button. Make sure the vehicle is in park. **Turn off the ignition, (Fig. 7) .**



Fig. 7
Software Update Is Available

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



Fig. 8
Radio Update Process Begins

- 14. The radio will reboot and the update will begin. The update should only take 50 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

- 15. After the update has completed, the radio will shut down. With the USB flash drive still inserted in the USB port, turn the ignition back to the run position. If the radio has been updated correctly, the screen in (Fig. 10) will be displayed. Press "OK" and remove the USB flash drive.

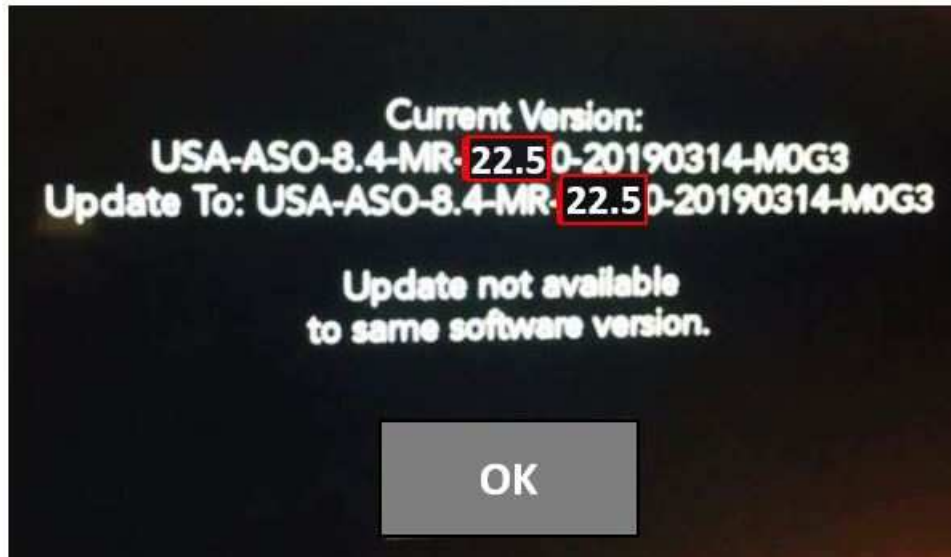


Fig. 10
Radio Software Has Been Updated.

- 16. Turn off the ignition, open and close the drivers door and let all modules go into a sleep mode.

17. Verify the radio software version. Radio must be in Dealer Mode to verify by following these steps:
 - a. Push and hold the front defrost, driver temperature up and temperature down buttons simultaneously until the 'Dealer Mode' screen appears (approximately seven seconds). Release buttons.
 - b. Select "Radio Part Information". The software version will be listed next to "Application Version" .
 - c. Is the radio software level (Application Version) at or higher than 21.10 (With RS9)**22.5 or (Without RS9)?**
18. Verify if the navigation feature is working properly. Press the "Nav" button on the bottom tool bar. See if the navigation map loads properly.
19. If the radio or navigation software did not update properly or the navigation map does not load, attempt the software update one more time. If the software doesn't update properly or the navigation does not work, the radio may need to be replaced.

NOTE: After performing the radio update, the radio display screen may have a ghost image that will not clear, even after turning 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 between 45 to 60 minutes.

After performing the radio update, the temperature in the radio may display the wrong temperature. To correct this, go into the radio setting and change the temperature value to the other value. If it is Celsius change it to Fahrenheit or if it Fahrenheit change it to Celsius. Exit the radio sitting menu, then go back into setting and set the temperature value back to the original value.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-60-02-WD	Radio, Check Software Level and Perform Software Update (Radio Sales Code UJQ with RS9) (0 - Introduction)	6 - Electrical and Body Systems	0.3 Hrs.
18-60-02-WF	Radio, Software - Create USB Jump Drive From Uconnect Website (One Time Only) (Radio Sales Code UJQ with RS9) (0 - Introduction)	6 - Electrical and Body Systems	1.2 Hrs.
**18-60-02-F7	Radio, Check Software Level and Perform Software Update (Radio Sales Code UJQ without RS9) (0 - Introduction)	6 - Electrical and Body Systems	0.4 Hrs.
18-60-02-F8	Radio, Software - Create USB Jump Drive From Uconnect Website (One Time Only) (Radio Sales Code UJQ without RS9) (0 - Introduction)	6 - Electrical and Body Systems	0.4 Hrs.**

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.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 25 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

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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