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GROUP: 08 - Electrical

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NOTE: THE wiTECH SOFTWARE IS REQUIRED TO BE AT THE LATEST RELEASE BEFORE PERFORMING THIS PROCEDURE.

SUBJECT:

RA3 and RA4 Radio Enhancements

OVERVIEW:

This bulletin involves inspecting and if required, updating the radio software.

MODELS:

2017	(DS)	RAM 1500 Pickup
2017	(D2)	RAM 3500 Pickup
2017	(DD)	RAM 3500 Cab Chassis
2017	(DF)	RAM 3500 10K Cab Chassis
2017	(DJ)	RAM 2500 Pickup
2017	(DX)	RAM Truck (Mexico)
2017	(DP)	RAM 4500/5500 Cab Chassis
2017	(UF)	Chrysler 200
2017	(WD)	Dodge Durango
2017	(WK)	Jeep Grand Cherokee
2017	(ZD)	Dodge Viper

NOTE: This bulletin applies to vehicles within the following markets/countries: NAFTA (Mexico and Canada Only).

NOTE: This bulletin applies to the following vehicles:

- For DS vehicles built on or before May 16, 2017 (MDH 0516XX) equipped with Uconnect 8.4 (Sales Code RA3) or Uconnect 8.4AN (Sales Code RA4).
- For D2, DD, DF, DX and DP vehicles built on or before May 26, 2017 (MDH 0526XX) equipped with Uconnect 8.4 (Sales Code RA3) or Uconnect 8.4AN (Sales Code RA4).
- For DJ vehicles built on or before May 16, 2017 (MDH 0516XX) equipped with Uconnect 8.4 (Sales Code RA3) or Uconnect 8.4AN (Sales Code RA4).
- For WD and WK vehicles built on or before April 28, 2017 (MDH 0428XX) equipped with Uconnect 8.4 (Sales Code RA3) or Uconnect 8.4AN (Sales Code RA4).
- For ZD vehicles built on or before May 17, 2017 (MDH 0517XX) equipped with Uconnect 8.4 (Sales Code RA3) or Uconnect 8.4AN (Sales Code RA4).

SYMPTOM/CONDITION:

Customers may experience one or more of the following:

- “Navigation Failed” message is displayed.
- Navigation is inoperative or inaccurate.
- CD player will not play songs and/or locks up the radio.
- Clock will not automatically update to local time.
- Clock may be off by several hours. (RA3 only).
- Poor or no connection to cellular network.
- Charge Complete notification is not received (RU PHEV only).
- Some Uconnect App remote commands do not execute with the vehicle.
- Radio Apps are inoperative.
- Radio will lock up.
- Radio display screen is black or blank.
- Battery drain - due to radio staying on.
- Navigation failed message is displayed.
- Clock not automatically updating to local time.

Improvements:

- Auto Play can now be configured.
- Media devices, Phone pairing and Bluetooth® usage improvements.
- Add the ability to drag and drop icons into the menu bar.
- Adds “do not disturb” text message feature.
- Fix for radio locks up/frozen.
- Fix for radio loses time.
- Enhanced Voice recognition (VR) performance.
- Media devices, phone pairing and Bluetooth usage improvements.
- Improved tuner performance.
- Human Machine Interface (HMI) improvements.
- Satellite radio reception improvements.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, 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.

REPAIR PROCEDURE:

NOTE: This software update is only compatible with the 2017 model year vehicles listed.

NOTE: The swdl.upd file will be loaded onto the USB flash drive.

NOTE: Updating the radio's software may cause the radio to reset back to factory default setting. The customer should be advised that they may need reset the personal settings, theme, color, presets, favorites and the phones may need to be paired again.

1. Has a USB flash drive been created?
 - a. YES >>> Proceed to [Step 2](#).
 - b. NO >>> Proceed to [Step 5](#).
2. Go to DealerCONNECT> Service> Uconnect Command Center> Uconnect> Dealer software downloads to download the files.

NOTE: When downloading software for the RU vehicles, there is different software for early production and late production vehicles. Use the VIN code entry to download the correct software for the radio.

3. If a security message appears "Do you want to view only the webpage content that was delivered securely? (Fig. 2) Press No to continue.



Fig. 1
Pop-up Security Message

NOTE: A blank USB flash drive must be used to download the software. Only one software update can be used on one USB flash drive.

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. To download the software files to a USB flash drive, follow the on screen instructions and perform the following:
 - Acquire a blank USB flash drive with at least 4 GB of space.
 - Download the software update file to your local PC's desktop.
 - Be sure to extract the file before copying it to the blank USB flash drive.
 - A blank USB flash drive will be needed one for each radio update, additional updates can not be on the same USB flash drive.
 - Once the file is saved to the USB flash drive, it is recommended you physically label the USB flash drive with the bulletin number and proper radio sales codes.

NOTE: The engine should be running and radio powered on during the update.

NOTE: During the update process you may see multiple hourglass screens for extended periods of time (several minutes) (Fig. 3) . DO NOT remove the USB flash drive at this time. Only remove the USB flash drive when the update has completed, when the screen displays the software levels again.



Fig. 2
Hourglass Screen

5. Insert the correct USB flash drive with new software into USB port.
6. The next screen display will have the old and new software levels. The radio will be updated to 17.11.07.
7. Is the radio at software level 17.11.07 or higher?
 - a. YES >>> The radio software is already up to date. Normal diagnostics need to be performed.
 - b. NO >>> The radio software needs to be updated. Proceed to [Step 8](#).

NOTE: If the radio software level is at or above the level on the USB flash drive, DO NOT perform the update.

8. Press the soft key “Yes” to start the update.

NOTE: DO NOT cycle the ignition or touch the radio during the update process.

NOTE: If the software update process is interrupted, aborted or failed, the process should be restarted. See Star Online Cases if the radio failed to update, or is stuck in 'update mode' displaying “Insert Update USB” and if so, re-insert the USB.

9. The update may take up to 32 minutes to load. No other actions will be needed to initiate the update.

NOTE: During the update process, the screen on the radio will display an hourglass two separate times for approximately two to five minutes at a time.

NOTE: DO NOT remove the USB at any point of the update process until the final software levels match.

10. After the update is done the screen will display the software levels again (Fig. 4) .



Fig. 3
Updated Software Screen

11. Press “No” and turn the vehicle off. Open and close the driver’s door and let the Bus go to sleep.

NOTE: Make sure to leave ignition off, DO NOT press the brake and DO NOT reopen any doors so the modules will go to sleep.

12. Cycle the ignition on, then back off one more time. Open and close the driver’s door and let the Bus go to sleep. This will complete the radio update.

13. Remove the USB flash drive.

14. Is the vehicle a KL, LA, LD, LX, UF, WD or WK?

a. YES >>> Proceed to [Step 15](#)

b. NO >>> This bulletin has been completed.

15. Is the vehicle equipped with Blind Spot Monitor/Cross Path Detection (**Sales Code XAN**)?
- YES >>> Proceed to [Step 16](#).
 - NO >>> This bulletin has been completed.
16. Go into the radio Settings menu and select Safety & Driving Assistance. Locate the Blind Spot Alert feature and verify the “Lights + Chimes” option is turned on.
17. This bulletin has been completed.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-60-02-NC	Radio, Check Software Level and Perform Software Update (0 - Introduction)	6 - Electrical and Body Systems	0.7 Hrs.
18-60-02-ND	Radio, Software - Create USB Jump Drive From CD or Uconnect Website (One Time Only) (0 - Introduction)	6 - Electrical and Body Systems	0.2 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, onetime for each of the radios listed.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 32 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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