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Coding Information

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Title: Radio Replacements on Vehicles with Fusion 3.0 and/or Blind Spot Monitoring

Applies To: MY 2025, MY2026, MY2027, MY2028 LTs built 7/8/25 and later; MY2025, MY2026, MY2027, MY2028, MY2029, MY2030, MY2031, MY2032 MVs built 2/10/25 and later; MY2025, MY2026, MY2027, MY2028, MY2029, MY2030, MY2031, MY2032 CEs built 4/16/25 and later; MY2025, MY2026, MY2027, MY2028, MY2029, MY2030, MY2031, MY2032 HVs built 10/15/25 and later; with feature codes 08TRM, 08TYA, or 08TYB.

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

03/24/26 - Initial Article Release

DESCRIPTION

This document is intended to inform dealers, technicians, parts departments, and customers of a change made to radio software to support updated Collision Mitigation, Lane Departure Warning (LDW), and Blind Spot Monitoring systems. If replacing the radios on the vehicles described below, the radio either needs to be built after a specific build date or have the software version verified/updated. If outdated radio software is used on these vehicles, the audible tones for these systems may not be heard by the driver. The applicable vehicles were all built with the correct radio. This iKNOW article only applies if replacing the radio for a service event in one of the vehicles listed below.

Feature Codes

- 08TRM COLLISION MITIGATION SYSTEM {BENDIX FUSION 3.0} ADAPTIVE CRUISE CONTROL, STOP & DRVR GO, AUTOMATIC EMERGENCY BRAKING (AEB), WITH PEDESTRIAN COLLISION WARNING & BRAKING, SPEED SIGN RECOGNITION WITH OVERSPEED ALERT, ROADWAY DEPARTURE ALERT & BRAKING, LANE DEPARTURE WARNING
- 08TYA COLLISION WARNING SYSTEM SIDE OBJECT DETECTION SYSTEM; INCLUDES (2) RIGHT SIDE RADARS & SIDE DISPLAY, WITH SPEED-BASED DYNAMIC DETECTION RANGE, WITH TRAILER DETECTION
- 08TYB COLLISION WARNING SYSTEM SIDE OBJECT DETECTION SYSTEM; INCLUDES (2) RIGHT SIDE RADARS, (2) LEFT SIDE RADARS, RIGHT SIDE DISPLAY & LEFT SIDE DISPLAY, WITH SPEED-BASED DYNAMIC DETECTION RANGE, WITH TRAILER DETECTION

Model - Starting Build Date

- LT - 7/8/25
- MV - 2/10/25
- CE - 4/16/25
- HV - 10/15/25

SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
USB Flash Drive			Obtain Locally

SERVICE PARTS INFORMATION

No parts needed for repairs.

PARTS IDENTIFICATION

If the vehicle is equipped with feature **08TRM**, use the table below to identify the minimum software level for each radio part number. The numerical value in the software level dictates its version. The last letter dictates which hardware version the software is compatible with. Example: If part number 4154492C1 is being installed, and the current MCU version is 2061A, it needs to be updated to 2062A or later. If the radio has a build date later than the starting radio build date listed for that part number, the software will already be new enough to support vehicles with 08TRM.

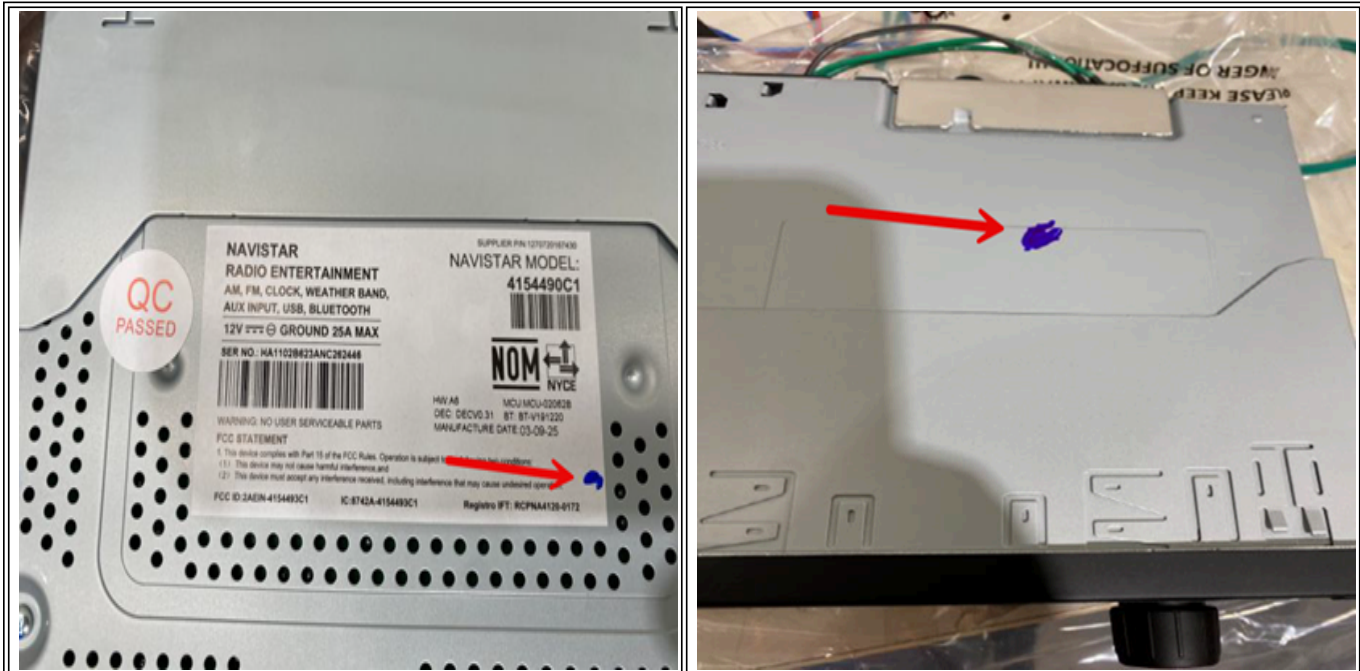
Vehicle Type	Part Number	Starting Radio Build Date	Minimum software level
Truck	4154492C1	12/1/2024	MCU-2062A
			DEC-0.31
Truck	4154490C1	12/1/2024	MCU-2062B
			DEC-0.31
Truck	4154488C1	12/1/2024	MCU-2062C
			DEC-0.31
Bus	4275485C91	12/1/2024	MCU-2070H
			DEC-0.34
Bus	4275486C91	6/1/2025	MCU-2072I
			DEC-0.34

If the vehicle is equipped with features **08TYA** or **08TYB**, use the table below to identify the minimum software level for each radio part number. The numerical value in the software level dictates its version. The last letter dictates which hardware version the software is compatible with. Example: If part number 4154492C1 is being installed, and the current MCU version is 2061A, it needs to be updated to 2064A or later. If the radio has a build date later than the starting radio build date listed for that part number, the software will already be new enough to support vehicles with 08TYA or 08TYB.

Vehicle Type	Part Number	Starting Radio Build Date	Minimum software level
Truck	4154492C1	6/1/2025	MCU-2064A
			DEC-0.33
Truck	4154490C1	6/1/2025	MCU-2064B
			DEC-0.33
Truck	4154488C1	6/1/2025	MCU-2064C
			DEC-0.33

Bus	4275485C91	6/1/2025	MCU-2072H
			DEC-0.34
Bus	4275486C91	6/1/2025	MCU-2072I
			DEC-0.34

Some earlier-built radios were updated before entering the PDCs. If that is the case, the radio will be marked with a blue or black dot on the radio as shown below.



Blue Marks on Radio Indicating software was updated to support new features.

SOFTWARE CHECK AND UPDATE STEPS

You will need to download the radio software and place the files onto a USB flash drive. Then insert the flash drive into the radio and update the radio software.

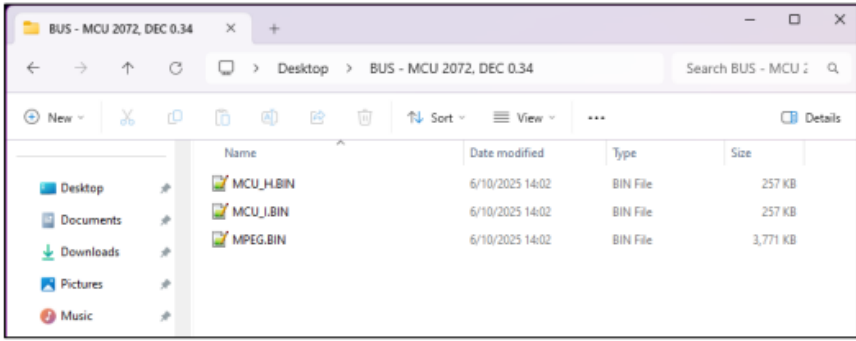
Download radio software to your computer:

1. Radio software ZIP files -([For Trucks click here](#)) ([For Bus click here](#))

NOTE:

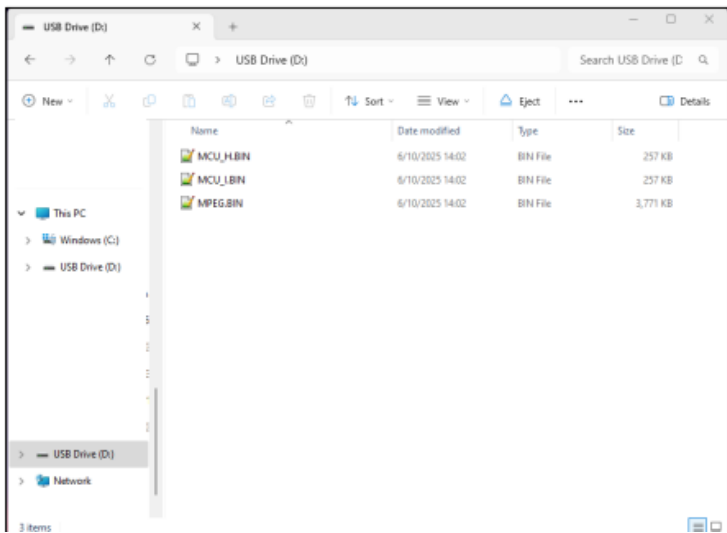
The Truck files can only be used on the truck radio part number. The Bus files can only be used on bus radios. Using the wrong files to update the radio can cause part failure and require radio replacement.

2. Open the .zip folder
3. Extract the folder to your computer desktop. To do this, right-click on the zip file and select "Extract All...". Keep the default settings and select "Extract."
4. Select Desktop and click OK.
5. Once the file is saved. Confirm that the correct number of files is in the folder that was created and opened. There are 3 files in the bus folder and 4 in the truck folder. See example below:



Move the files to a USB Flash Drive

1. Insert a USB Flash Drive into the computer. The capacity cannot exceed 32 GB, and the file format must be FAT32
2. Drag the files into the root level of the USB Flash Drive. The files should not be in any folders. All MCU files from the extracted folder can be put on the flash drive at the same time. The radio will automatically pick the right file for your part number.
3. Confirm the contents look like the following image with files in the USB folder.



4. Remove the USB Flash Drive from the computer.

Install the Flash Drive into the radio and update the software

NOTE:

Programming is a two-part process.

- A. Update MCU
- B. Update DEC

Steps 1-7: Update the MCU

Steps 8-11: Update the DEC

Steps 12-18: Verify that the MCU and DEC are up to date and complete the repair

1. Turn the key to Accessory = ON. If the radio is not yet powered on, press the radio power button. Make sure the radio is fully powered on, not in standby mode (ensure audio is playing).



2. Plug the USB Flash Drive into the USB Port on the front of the radio. The screen will display the following sequence: "USB" → "READING" → "USB ERROR". This is okay
3. Press and hold the "RADIO" and "5" buttons at the same time to access the hidden software menu



4. The radio will display its current software version on the screen. If this already matches what is listed above for your features and part number, then the MCU software does not have to be updated.



5. Turn the knob once to check the DEC version. If this already matches what is listed above for your features and part number, then the DEC software does not have to be updated.



6. Turn the knob until "UPDATE MCU" is displayed. Press down on the knob, and the screen will now say "LOAD FILE". After a few seconds, the radio will automatically start updating.



7. The radio is now updating. Wait for the update to finish. Do not power off the radio or remove the USB Flash Drive. When the MCU update is complete, the radio will automatically restart. (Image below is showing at 9% complete)



8. After the restart, press and hold the “RADIO” and “5” buttons at the same time to access the hidden software menu again.



9. Turn the knob to scroll through the options. This time, select “UPDATE DEC”. Press down on the knob to begin the DEC update.



10. The radio will display “LOAD FILE” → “INITIAL” and then begin updating. The time between “LOAD FILE” and “INITIAL” may vary.



11. The DEC is now updating. Do not power off the radio or remove the USB Flash Drive. When the DEC update is finished, the radio will automatically restart.
(Image below is showing 5% complete)



12. After the restart, confirm the radio has successfully updated the MCU and the DEC to the correct versions. Press and hold the “RADIO” and “5” buttons at the same time to access the hidden software menu one more time.



13. Once in the hidden software menu, confirm the screen displays the correct MCU version for your part number listed above.



14. Turn the knob once and confirm the screen displays the correct DEC version for your part number listed above.



15. The radio is now updated to the latest software.

16. Turn the key position to OFF.

17. Remove the USB Flash Drive.

18. Software update is complete.

WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

 Hide Details

Feedback Information

Viewed: 78

Helpful: 2

Not Helpful: 0

No Feedback Found