

Heavy Commercial Vehicles

Bulletin to be circulated to:	Service Manager	Warranty Manager	Parts Manager	Master Technician	Service Consultant	BMIS
	✓	✓	✓	✓	✓	✓

Subject	Regarding Updating the Navigation Feature in F-Line Vehicles
Variant	F-Line vehicles
Abstract	This TSB prepared to describe the steps required to activate the navigation feature in F-Line vehicles.

Labour

Labour Code	Labour Name	Duration (Hour)
29C005 R	2DIN Multimedia Update	0,1
29C005 N	2DIN Radio + Navigation Update	0,1

Introduction

The navigation feature, which is disabled in F-Line vehicles, can be enabled by following the steps outlined below. This process requires a software update, followed by a navigation update.

Important Note: The part numbers for the navigation installation are listed below. Please note that the multimedia system must not be replaced during the navigation installation process.

Part Information:

RC46-18K931-EE/GE : F-Line 2 DIN NO NAV

General Information:

- A USB stick is required for the update process.
- The USB stick should have a minimum capacity of 16 GB and must be formatted as FAT32.
- All steps must be followed in the exact order specified below.

Important Note: Before starting the navigation update, the Multimedia **hardware ID** must be captured with a photo from the page where ARM and MCU details are displayed (found in the System Info section). This ID must be sent to the relevant contact person (kahan.ozturk@daiichi.com) to obtain the necessary license. Ensure the ID is clearly readable.

The navigation feature cannot be activated without this license. Since the navigation file is significantly larger than the license file, the navigation software can be downloaded first. This software can be shared directly. As the license is generated based on the Multimedia ID, providing the ID to the contact person before the customer visits the dealer will help in preparing the license file in advance.

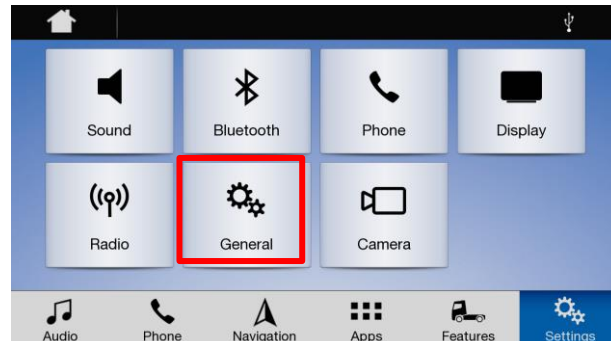


Before loading the navigation, the navigation feature must first be activated in the multimedia system. The necessary multimedia software will be provided for this step.

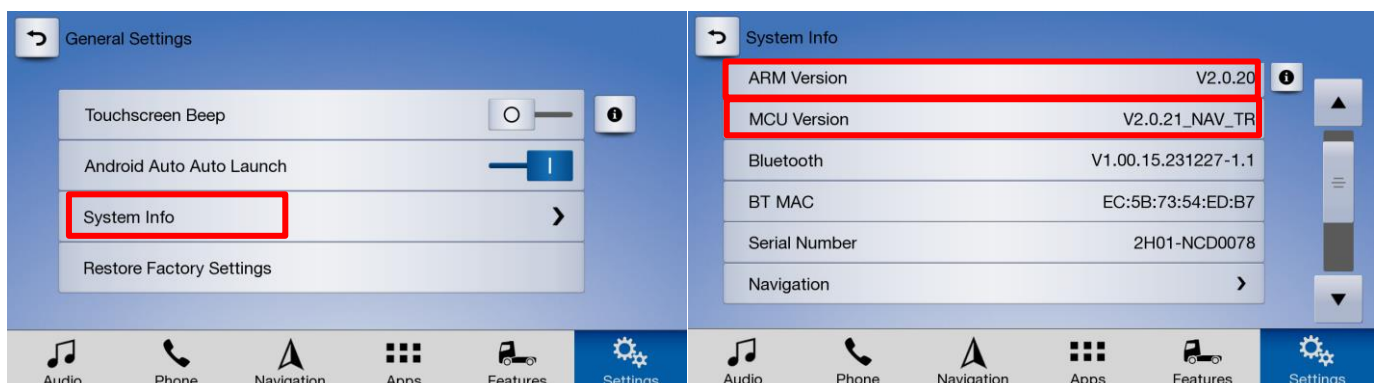
Before proceeding, the current multimedia software version must be checked.

To check the visible software version:

1. Go to the **General** page by pressing the **Settings** button.



2. Go to **System Info**. The ARM and MCU levels can be viewed there.



If the software levels are:

- **ARM v2.0.19**
- **MCU v2.0.19**

then the files highlighted in red below from the provided software package should be copied to the USB flash drive.

For the ARM update, transfer the two files located in the folder under **NO DAB**.

File	Name	Modified	File Size
Folder	NO DAB		
Folder	DAB		

ota_full.zip	2024-07-05	164 MB
update_header.img	2024-07-05	139 bytes

For the MCU update, the file highlighted in red should be transferred to the USB stick.

File	Name	Modified	File Size
Folder	USB_FORD2024_MCU_SW_V2.0.21_HW_V1.0.2_20240722_1655.zip	July 22	
Folder	USB_FORD2024_MCU_NAV_TR_SW_V2.0.21_HW_V1.0.2_20240722_1649.zip	July 22	
Folder	USB_FORD2024_MCU_TR_SW_V2.0.21_HW_V1.0.2_20240722_1654.zip	July 22	
Folder	USB_FORD2024_MCU_NAV_SW_V2.0.21_HW_V1.0.2_20240722_1651.zip	July 22	

Name	Date Modified	File Size
mcu_s.bin	2024-07-22	501 KB
mcu_s_md5.txt	2024-07-22	67 bytes

If the software levels are;

ARM v2.0.19 DAB
MCU v2.0.19

then the files highlighted in red below from the provided software package should be copied to the USB flash drive.

For the ARM update, transfer the two files located in the folder under **DAB**;

File	Name	Modified	File Size
Folder	NO DAB		
Folder	DAB		

ota_full.zip	2024-07-05	164 MB
update_header.img	2024-07-05	139 bytes

For the MCU update, the file highlighted in red should be transferred to the USB stick.

File	Name	Modified	File Size
Folder	USB_FORD2024_MCU_SW_V2.0.21_HW_V1.0.2_20240722_1655.zip	July 22	
Folder	USB_FORD2024_MCU_NAV_TR_SW_V2.0.21_HW_V1.0.2_20240722_1649.zip	July 22	
Folder	USB_FORD2024_MCU_TR_SW_V2.0.21_HW_V1.0.2_20240722_1654.zip	July 22	
Folder	USB_FORD2024_MCU_NAV_SW_V2.0.21_HW_V1.0.2_20240722_1651.zip	July 22	

Name	Date Modified	File Size
mcu_s.bin	2024-07-22	501 KB
mcu_s_md5.txt	2024-07-22	67 bytes

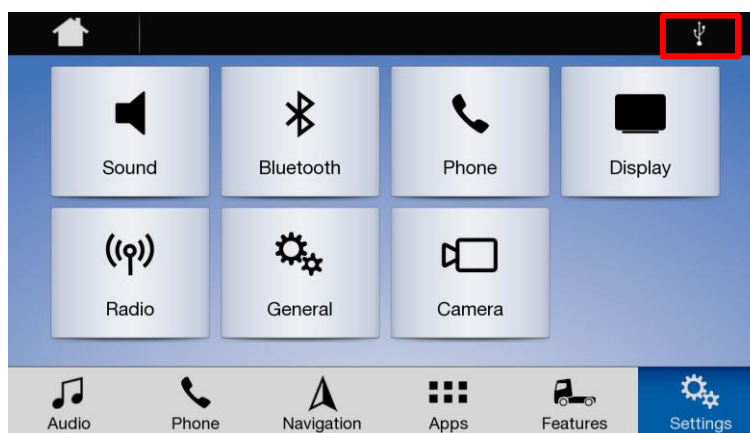
The file format in the USB should be as follows.

mcu_s.bin	✓	22.07.2024 11:50	BIN File	501 KB
mcu_s_md5.txt	✓	22.07.2024 11:51	Text Document	1 KB
ota_full.zip	✗	5.07.2024 14:11	WinRAR ZIP archive	167.988 KB
update_header.img	✓	5.07.2024 14:12	Disc Image File	1 KB

Software Update:

After loading the appropriate software files onto the USB flash drive, the software can be updated through the multimedia system.

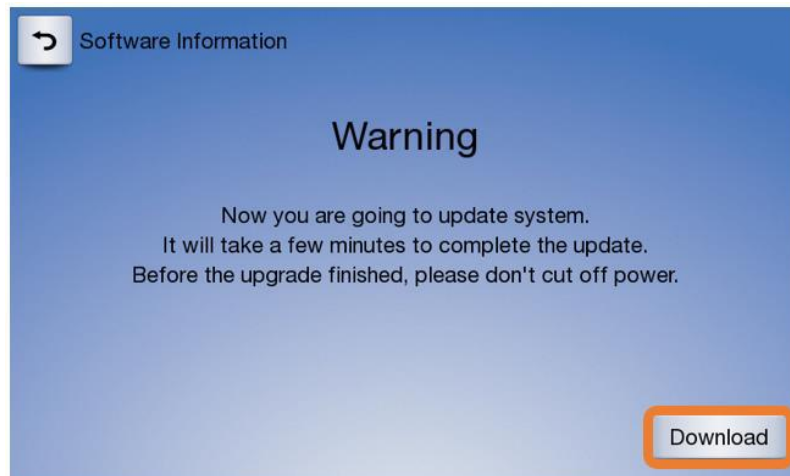
1. You can confirm that the flash drive has been recognized by checking for the USB icon on the main page.



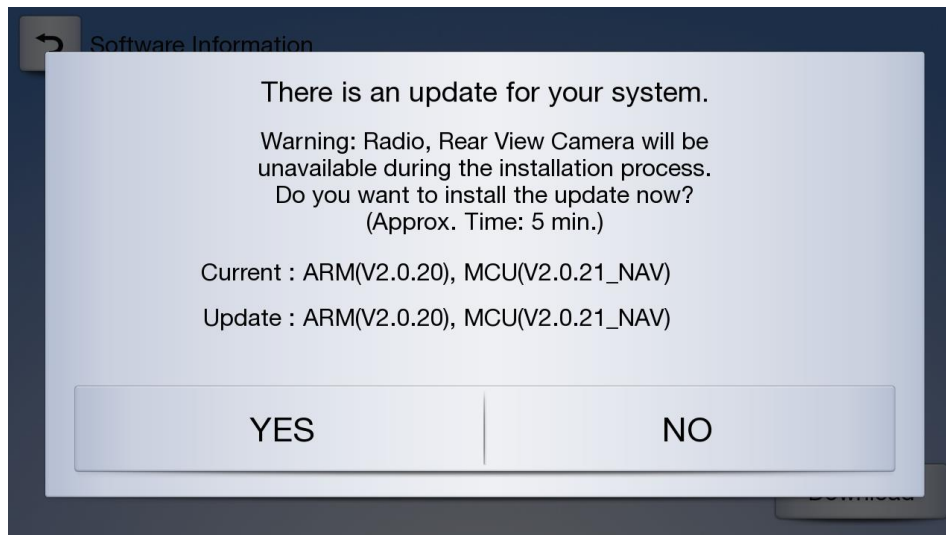
2. Next, click the **Info** button on the page that displays the ARM and MCU information (found in **System Info**).



3. Click on the **Download** button.



4. After confirming that the software to be updated on the pop-up is correct, press the **YES** button.

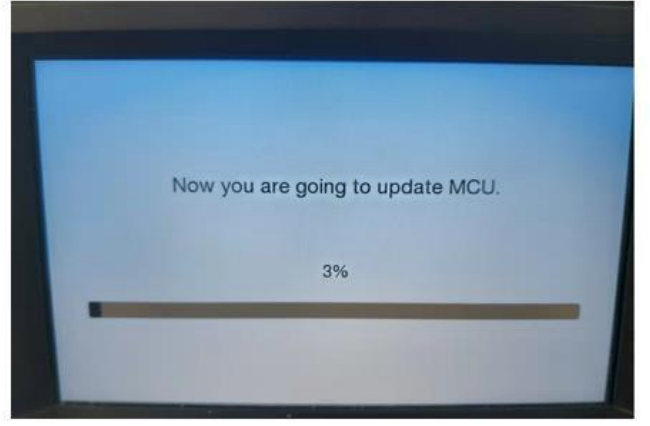


The update will proceed automatically, and the multimedia system will restart. After the update, verify that the software is at the desired version and that the navigation button is visible on the screen. Check the loading screens as follows:

- After the first download is complete, it will automatically proceed to the second download. The loading screens for both phases are shown below.



First download screen for ARM



Second download screen for MCU

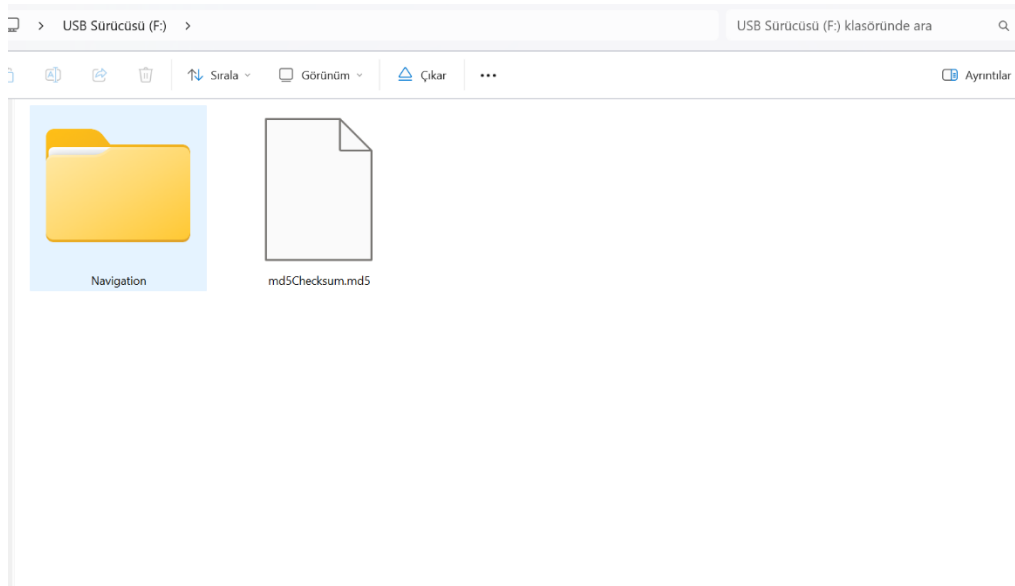
After this download is finished, the device will boot up as updated.

Navigation Update

First, the navigation file will be provided. You can download this file without waiting for the license document. Once the ID is provided, the license file will be sent.

Note: The navigation feature cannot be activated without a license. Since the navigation file is much larger than the license file, you can download the navigation software first. This software can be shared directly. As the license is generated based on the Multimedia ID, sharing the ID before the customer visits the dealer will help prepare the license file in advance.

After downloading the navigation software, extract the files from the .rar archive and copy them to an empty USB drive. The folder structure on the USB drive should be as follows:



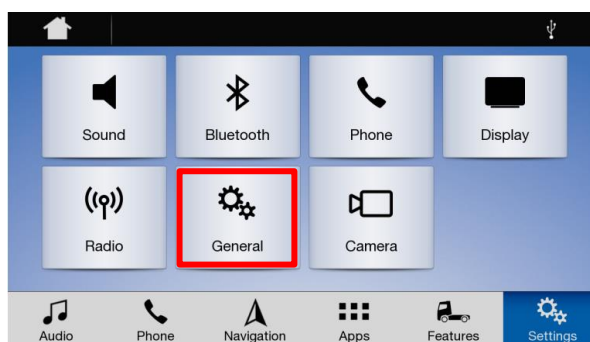
1. Once the license file arrives, copy the relevant files into the **License** folder within the **Navigation** folder.

Name	Status	Date modified	Type	Size
content	✓ R	31.05.2024 08:31	File folder	
license	✓ R	8.08.2024 14:09	File folder	
IGO	✓ R	29.03.2024 10:35	File	29.732 KB
liblib_base.so	✓ R	29.03.2024 10:35	SO File	10 KB
liblib_memmgr.so	✓ R	29.03.2024 10:35	SO File	31 KB
md5Checksum.md5	✓ R	31.08.2023 11:04	MD5 File	34 KB
sync_files.ini	✓ R	29.03.2024 10:35	Configuration setti...	4 KB
sys.synctool.txt	✓ R	29.03.2024 10:35	Text Document	1 KB
sys.txt	✓ R	29.03.2024 10:35	Text Document	1 KB

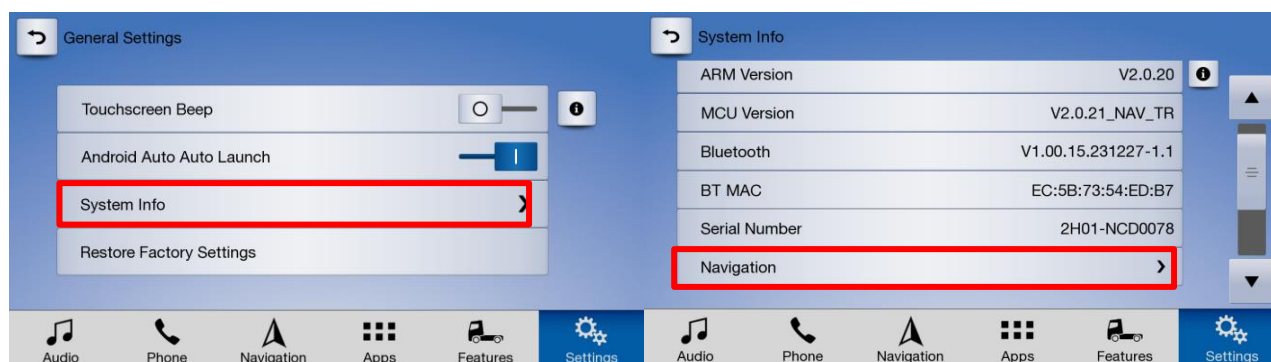
2. The files in the License folder should be as follows:

BASARSOFT_Daiichi_Turkey_NextgenLinu...	✓ R	31.08.2023 11:04	LYC File	1 KB
Daiichi_Europe_NextgenLinux_Ford_FMax...	✓ R	31.08.2023 11:04	LYC File	4 KB

3. Insert the prepared USB into the vehicle's USB interface. Then, go to **Settings** and enter the **General** section.



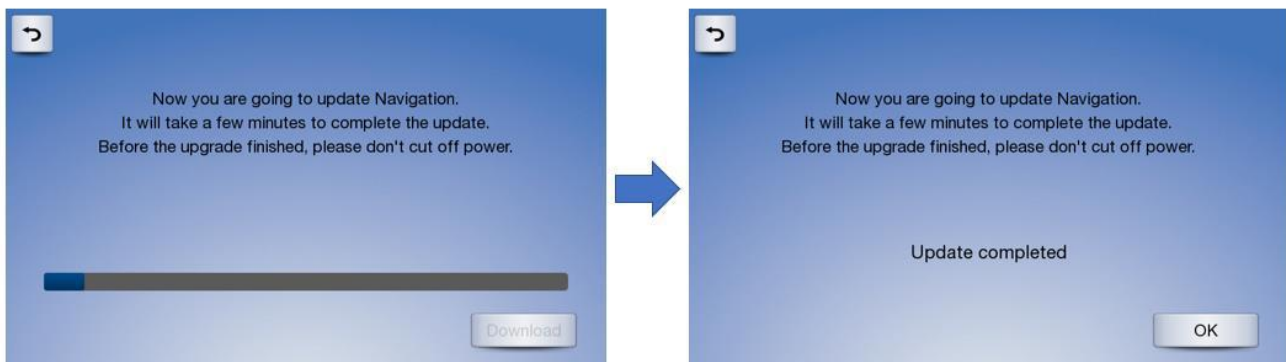
4. After accessing the **System Info** page, click on the **Navigation** tab.



5. Next, click on **Software Update** and then press the **Download** button.



6. The software installation will then begin and complete.



- After the update is complete, turn off the battery power, then turn it back on.
- If you wish to change the navigation language, do so in the **Navigation Settings**.

Regards,
Ford Trucks Service Engineering