



SIM 65 10 15

2021-09-20

NAV Road Map Installation Using USB Stick

This Service Information Bulletin (Revision 1) replaces SI M65 10 15 **dated September 2015**.

What's New (Specific text highlighted):

- Completely revised

MODEL

F54 (MINI Clubman)	F55 (MINI Hardtop 4 Door)	F56 (MINI Hardtop 2 Door)	F57 (MINI Convertible)
F60 (MINI Countryman)			

Affects vehicles equipped with the following head units:

- NBT (**HU-H**) - Head Unit High / Next Big Thing / Car Infotainment Computer SA 609 – Navigation System Professional
- NBT EVO (**HU-H2**) – Head Unit High 2 / Next Big Thing EVO / Car Infotainment Computer SA 609 – Navigation System Professional
- ENTRY (**HU-B**) – Entry Navigation / SA 6UM – Navigation Business
- ENTRY NAV EVO (**HU-B2**) – Entry Navigation EVO / SA 609 or 6NP - Live Cockpit Plus

INFORMATION

The Headunit High (HU-H), also called NBT came in vehicles with option 609. This uses **map North America NEXT**.

The Headunit High 2 (HU-H2), also called NBT-EVO, superseded the NBT HU and came in vehicles with option code 609. This uses **map North America EVO**.

The ENTRY Media/Navigation (HU-B) is the low line business version of the navigation system and came in vehicles with option 6UM. This uses **map North America ROUTE**.

The ENTRY NAV EVO (HU-B2) replaced Entry Media/Navigation as the low-line business version and came in vehicles with option code 609 or 6NP . This uses **map North America WAY**.

For the US market, all vehicles will come pre-loaded from the factory with the latest navigation system road map database version that was available at the time of vehicle production.

Therefore, there will be no physical copy of the navigation system road map data media DVD set or USB stick placed in these vehicles at the Vehicle Distribution Center (VDC).

Note: Additionally, all replacement head unit parts come with a pre-loaded version of the current available navigation system road map database installed.

The NAV road map data is also installed into the Network Attached Storage (NAS). From there it then can be installed onto the HU-H in the vehicle, using the Integrated Service Technical Application for Programming (ISTA 4).

When loading the Navigation Map into the vehicle utilizing a USB stick please observe the following recommendations:

- See procedure in attached document **M651015 Attachment A**
- Use either a 32GB or 64GB USB stick for the map
- The USB stick must use FAT32 formatting for 32GB and exFAT for 64GB **M651015 Attachment C**
- A high-volume center may wish to purchase multiple USB sticks so the latest map(s) can be downloaded and have them immediately available for upload into a customer's vehicle. This will save time instead of downloading map(s) as needed onto USB stick immediately prior to use.
- Connect the USB stick into the USB connector in the vehicle. There may be more than one USB connection within the vehicle where the stick can be inserted. However, some vehicles may only recognize the map in one of the USB ports, so try both connections.
- The NBT and ENTRY head units will prompt for the 20-digit enabling code to be installed via the iDrive AFTER the USB stick is installed
- The NBT EVO and ENTRY NAV EVO head unit can load an enabling code via ISTA, ISTA 4 or via USB and this cannot be manually entered via the iDrive. Refer to **M651015 Attachment D**.

Military Sales (Expat) Vehicles:

- In most of the cases, these customers get the EUROPEAN road map installed by the authorized MINI dealership in Europe for where they are living.
- For these vehicles, the INITIAL enabling code for the EUROPEAN road map was ordered and was free of charge
- When these vehicles arrive here in the USA, the NORTH AMERICA road map must be installed (since it was overwritten by the installation of the European road map at the MINI dealership in Europe). This is usually done at an authorized MINI center here in the US. Only European Delivery Program vehicles are handled at the VDC's.

IMPORTANT!

Therefore, a **CONVERSION/RETROFIT** enabling code is necessary and must be paid for by the customer! The customer receives only one enabling code for free, and this is the INITIAL enabling code for the initial activation of the EUROPEAN (or NORTH AMERICA) road map.

These part numbers can also be found on the TIS website under the **TECHNICAL DOCUMENTATION** tab, **PROGRAMMING AND DIAGNOSTICS** section, **FSC Enabling Codes**. For example: A NBTEVO European road map needs to be retrofitted to North America, you will use the FSC Enabling Codes document to locate "NBTEVO – Map North America Single calc" and use the part number that is for "Retrofit".

If you need help, please submit a Parts TTS TSARA case to get the correct part number for the required CONVERSION code.

PROCEDURE

Always identify the head unit's installed NAV road map version before replacing the head unit.

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| <ol style="list-style-type: none"> 1. | <p>To identify the NAV road map version that is currently installed in the vehicle's head unit (HU-H) through the iDrive controller:</p> <ul style="list-style-type: none"> • Turn the ignition on • Select the menu "NAV" • Press the button "Option" (next to the iDrive controller) • Scroll down to the bottom of the menu and select "Navigation system Version" |
|--|---|

	<p>If this is no longer possible, read out the installed NAV road map version information either from:</p> <ul style="list-style-type: none"> • The remote key data through the Key Reader/ISPA NEXT application; or from • The information listed under the vehicle's 'Navigation Map' section in AIR
2.	<p>If the NAV road map version installed in the replacement HU-H is the same as the one currently installed in the faulty HU-H, the map will be automatically enabled during the vehicle programming/encoding procedure, no further action is necessary. Otherwise, proceed to step 3.</p>
3.	<p>If the NAV road map version installed in the replacement HU-H is not the same, generally a newer/later version than one currently installed in the faulty HU-H, then:</p> <p>A. If the vehicle is under 3 years old, it should have an enable code that was valid for 3 years from vehicle production. If AIR shows the vehicle does have a valid Enabling code (subscription), use customer's existing enable code to activate the NAV road map version that is loaded in the replacement part.</p> <p>B. If the vehicle is over 3 years old and the currently installed map in the new head unit is newer than the code, and AIR shows the vehicle does not have a valid Enabling code (subscription) and the replacement of the HU-H is either a primary or consequential repair that is covered by an applicable MINI limited warranty, obtain an Enabling code to activate the loaded NAV road map, claim the MINI Enabling code part number together with the repair to replace the faulty HU-H instead of downgrading the NAV road map version.</p> <p>C. If the vehicle is beyond an applicable limited warranty, then advise the customer they can purchase an upgrade Enabling code or purchase a downgrade procedure to have their current NAV road map version re-loaded on the newly installed HU-H.</p>

For loading the map

- via a USB stick- refer to **M651015 Attachment A**
- via ISTA 4- refer to **M651015 Attachment B**
- USB stick formatting – refer to **M651015 Attachment C**
- Enabling codes via USB stick – refer to **M651015 Attachment D**

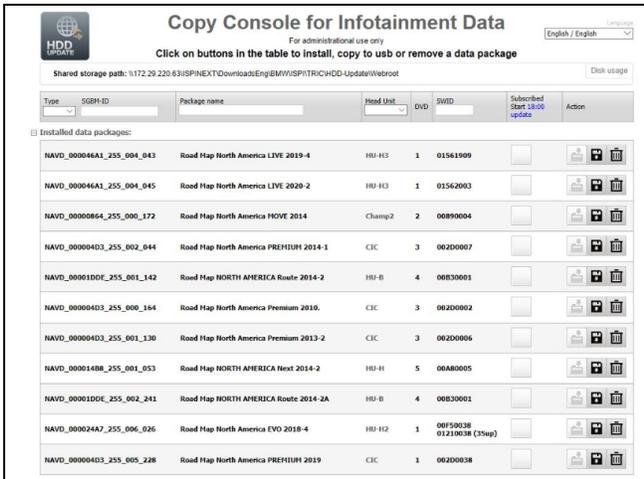
QUESTIONS REGARDING THIS BULLETIN

Technical inquiries	Submit feedback at the top of this bulletin
Warranty inquiries	Submit an IDS ticket to the Warranty Department or use the chat available in the Warranty Documentation Portal
Parts inquiries	Submit an IDS ticket to the Parts Department

Supporting Materials

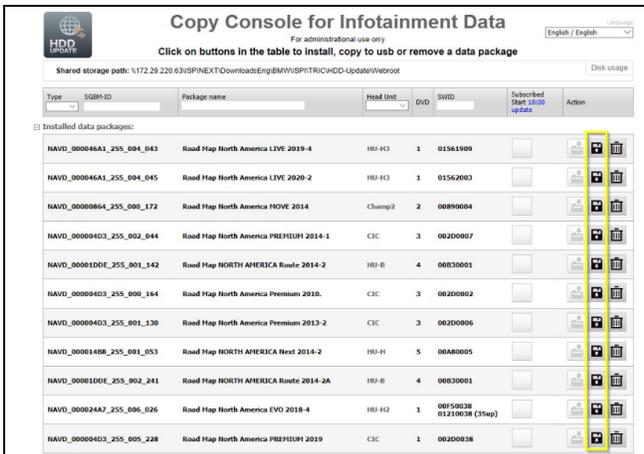
- [picture_as_pdf M651015 Attachment B.pdf](#)
- [picture_as_pdf M651015 Attachment A.pdf](#)
- [picture_as_pdf M651015 Attachment D.pdf](#)
- [picture_as_pdf M651015 Attachment C.pdf](#)

COPYING NAV ROAD MAP VERSION FROM THE HDD-UPDATE CONSOLE ONTO A USB STICK

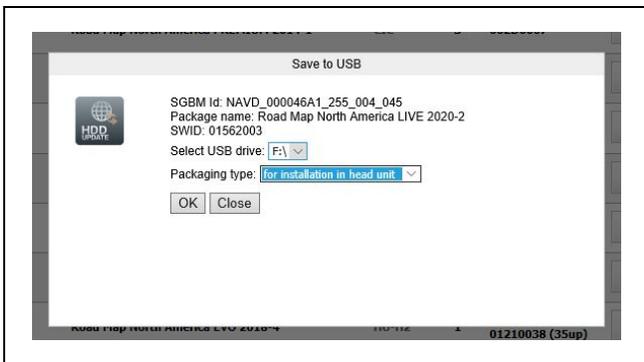


1. Open the HDD-Update console
2. Search for desired NAV road map version in the list of Installed Packages.

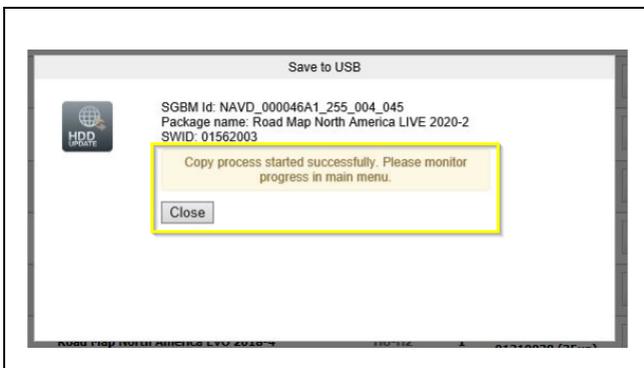
Note: If the desired NAV road map is not already available in the HDD-Update console, it must be downloaded first. See step 10.



3. Select the desired NAV road map version (head unit specific) and click on the “Copy to USB” icon.

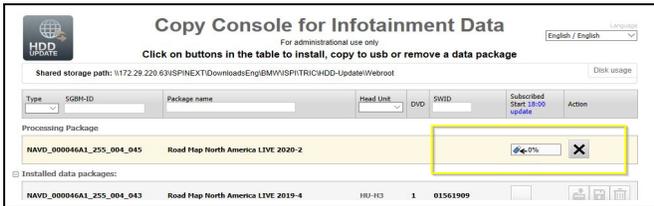


4. A pop-up window will open, named “Save to USB”.
5. Select USB drive location via the drop-down menu
6. Select Packaging type: for installation in head unit.
7. Click “OK”.



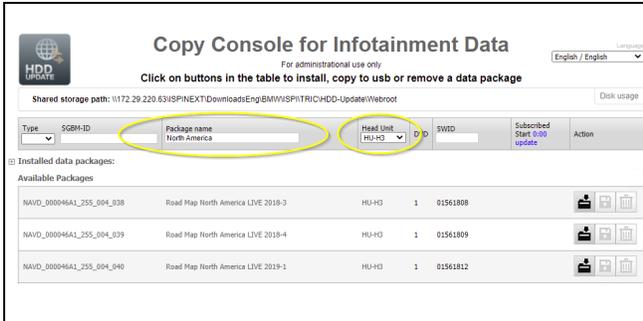
8. Copy process started successfully. Please monitor progress in main menu is displayed in the pop-up window, named “Save to USB”.

The pop-up window can be closed by clicking on “Close”.

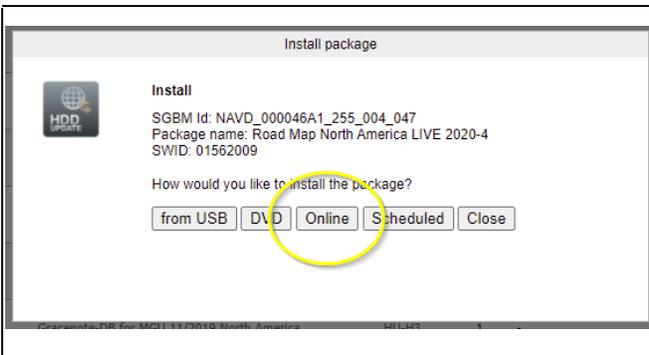


9. The copying process status is displayed in the main menu via a status bar in %.

INSTALLING NAV ROAD MAP VERSION ONTO THE HDD-UPDATE CONSOLE

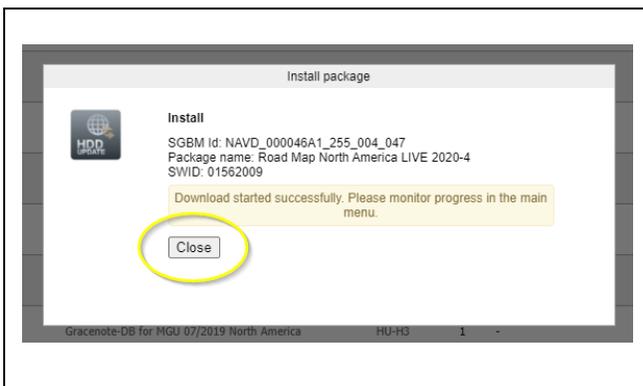


10. Start by searching for the desired NAV road map version by first selecting the "Head Unit" and entering "North America" under "Package name" Once the desired version is found, click on the "Install package" icon.



11. A pop-up window will open, named "Install package".

12. Select "Online" to start the installation when asked "How would you like to install the package".



13. "Download started successfully. Please monitor download progress in main menu" is displayed in the pop-up window.

14. The pop-up window can be closed by clicking on "Close"



15. The copying process status is displayed in the main menu via a status bar in %.

PROCEDURE FOR HU-H2 NAV ROAD MAP INSTALLATION VIA ISTA 4

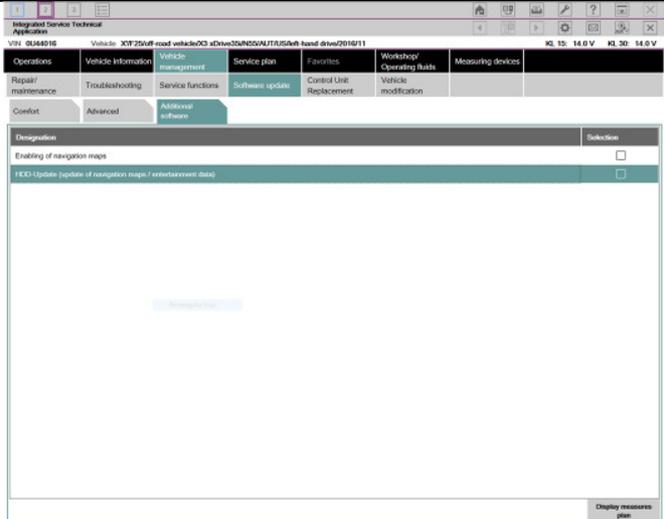
This procedure includes two parts, the identification of the installed head unit NAV road map version on the defective HU-H2 and the HU-H2 road map installation process via ISTA 4.

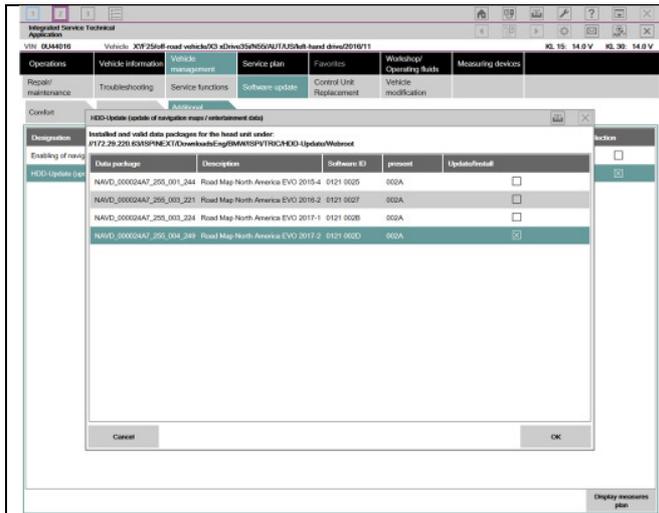
Part 1 – Before replacing the defective head unit high 2 (HU-H2):

	<p>Turn the ignition on and identify the road map version in the navigation Menu, using the iDrive controller:</p> <ul style="list-style-type: none"> • Select the menu “NAV.” • Press the button “Option” (next to the iDrive controller). • Scroll down to the menu item and select “Navigation system Version.” <p>Or, if this is no longer possible:</p> <ul style="list-style-type: none"> • Read out the information via the remote key in the Key Reader
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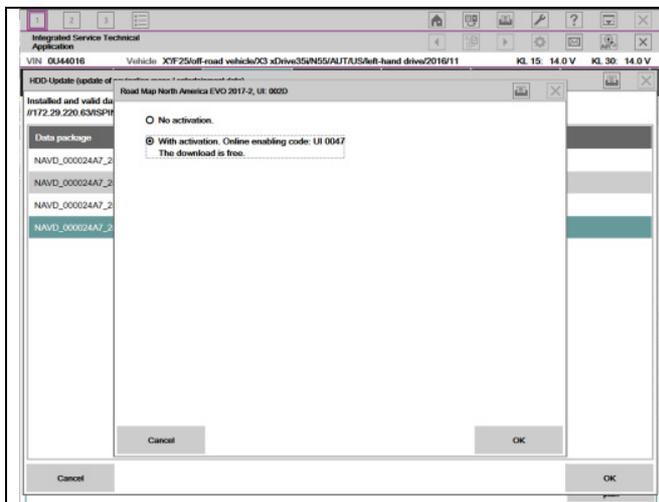
Part 2 – Road map installation after replacing the defective Head unit-High 2 (HU-H2):

1. Connect a BMW approved battery charger, an ICOM to the vehicle and turn the ignition on.
2. Start an ISTA 4 session.

 <table border="1"> <thead> <tr> <th>Designation</th> <th>Selection</th> </tr> </thead> <tbody> <tr> <td>Enabling of navigation maps</td> <td><input type="checkbox"/></td> </tr> <tr> <td>HDD-System (update of navigation maps / entertainment data)</td> <td><input type="checkbox"/></td> </tr> </tbody> </table>	Designation	Selection	Enabling of navigation maps	<input type="checkbox"/>	HDD-System (update of navigation maps / entertainment data)	<input type="checkbox"/>	<ol style="list-style-type: none"> 3. After the vehicle identification, select <ul style="list-style-type: none"> • Vehicle Management • Software Update • Additional Software • Select HDD-Update (update of navigation maps / entertainment data)
Designation	Selection						
Enabling of navigation maps	<input type="checkbox"/>						
HDD-System (update of navigation maps / entertainment data)	<input type="checkbox"/>						



4. In the next step, select the appropriate HU-H2 NAV road map, e.g., “Road Map NORTH AMERICA EVO 2017-2” and click “OK.”

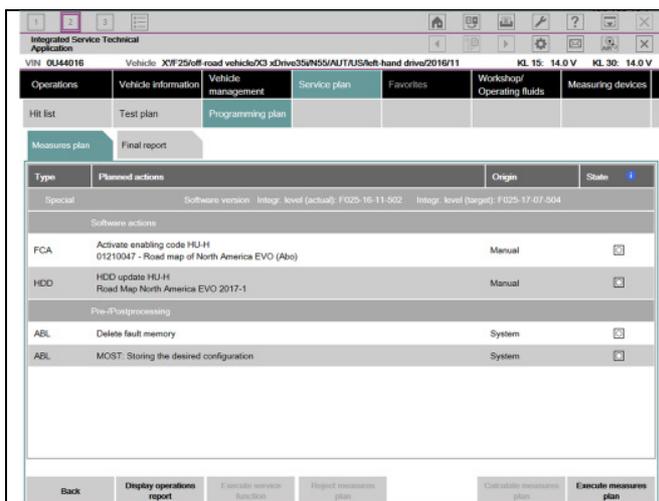


5. Next the Enable Code requirement will pop up. If this vehicle has an enable code that is valid for this road map select

- With Activation, Online enabling code...

Then press OK

NOTE: The "REPAIR enabling code" will automatically be downloaded and installed. No ordering request in ASAP is necessary when performing the road map installation via ISTA 4



6. The Measures Plan will now come up and show the activation of the enable code and map version that will be loaded. Select

- Execute Measures Plan

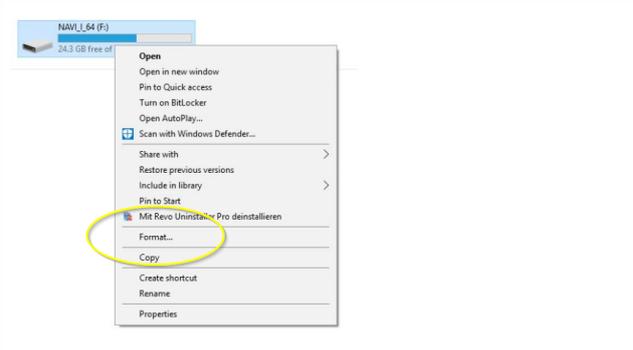
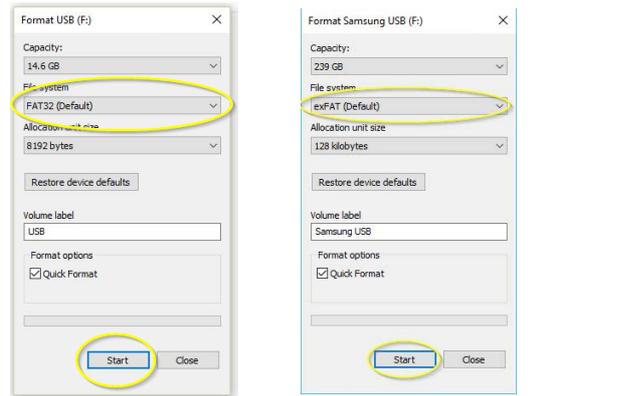
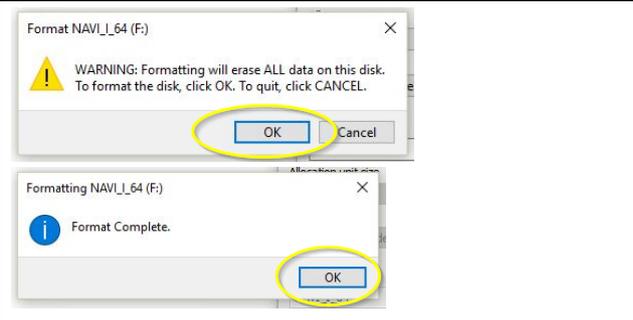
7. When the installation process is finished, the “Final report” will be displayed. Scroll down and check if the HU NAV road map was successfully installed.



8. Check and confirm that the installed road map version is the identical road map version which was installed in the defective HU

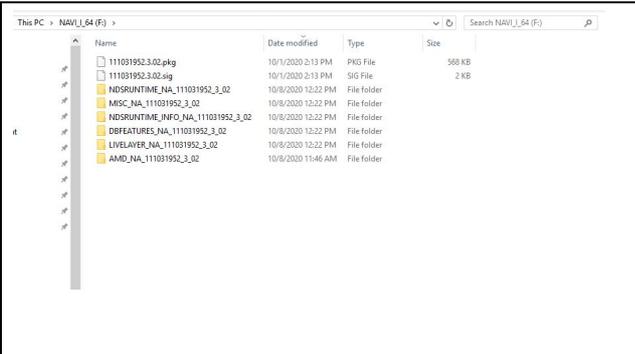
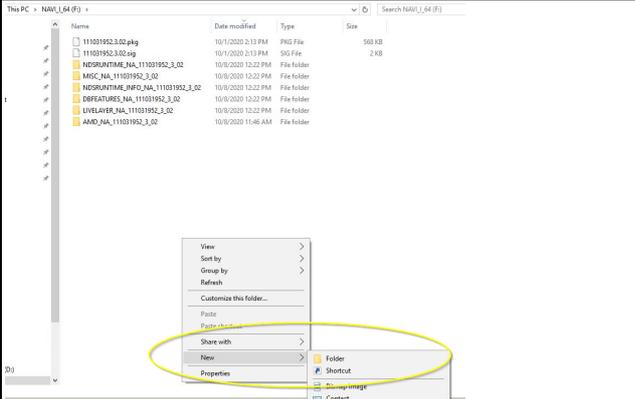
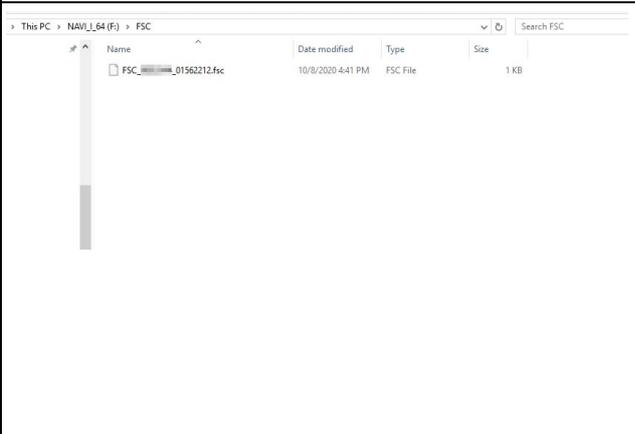
PROCEDURE FOR USB FORMATTING

This procedure is used to format the USB stick that is used to install the NAV map.

	<p>1. Install the USB stick into the computer and open folder explorer and navigate to this PC. 2. Locate the USB stick and right click on it. 3. Click on "Format..."</p>
	<p>4. For 32GB Select "FAT32" under "File system". For 64GB Select "exFAT" under "File system". Note: the "Volume label" does not need to be anything specific. 5. Click "Start".</p>
	<p>6. Click "OK" once the warning comes up. 7. Once the formatting is complete click "OK".</p>

PROCEDURE FOR ENABLING CODE ON USB

This procedure is used to add an enabling code to a USB for Nav Map on NBTEVO (HU-2) and newer head units.

	<p>1. Make sure the USB stick has been properly formatted Attachment C and the Nav map has been installed to the USB stick Attachment A.</p> <p>2. Locate the USB stick and open it.</p>
	<p>4. Right click, select "New" and "Folder".</p> <p>5. Name this folder FSC</p>
	<p>6. Download the enabling code "Repair kit" from "(ENCS) Enabling Code Service" in "DCSnet"</p> <p>7. Copy the file correct enabling code for vehicle to the usb stick folder "FSC". The code will start with FSC_7VIN_index.</p> <p>8. The index for NBTEVO is F5 or 121.</p>