

UPDATE INSTRUCTIONS FOR MMI 3G BASIC (7T2)

By Congo – written Q3 2015, updated Q1 2016 – Version 2

UPDATE INSTRUCTIONS FOR MMI 3G BASIC

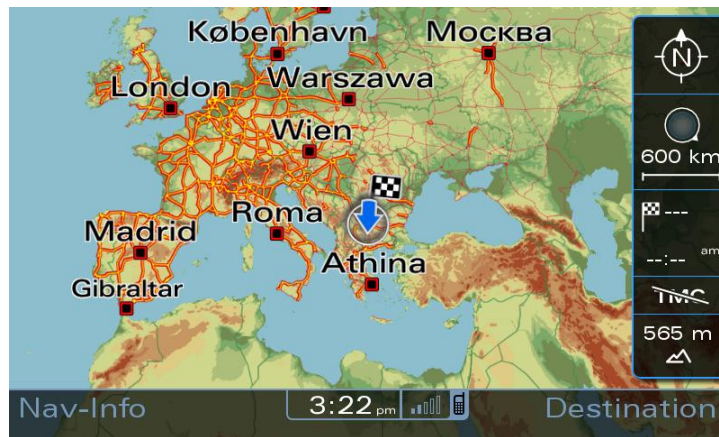


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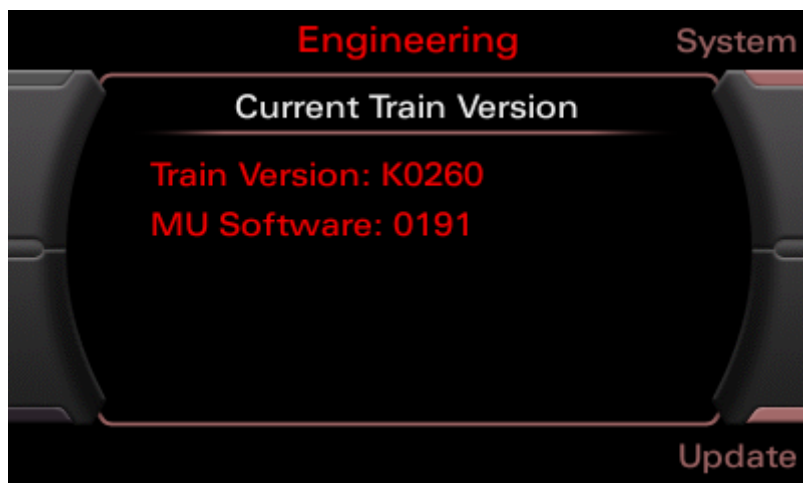
Pre-requisites

- 8R0 906 961 AA – BNav_EU_K0031_2_D1 (SVM: 3GBEU031) [16m]
- 8R0 906 961 AH – BNav_EU_K0070_2_D1 (SVM: 3GBEU070) [13m]
- 8R0 906 961 BD – BNav_EU_K0206_2_D1 (SVM: 3GBEU206) [10m]
- 8R0 906 961 DK – BNav_EU_K0257_2_D1 (SVM: 3GBEU257) [10m]
- 8R0 906 961 DP – BNav_EU_K0260_1_D1 (SVM: 3GBEU260) [10m]
- 4G0 060 884 S – MMI 3G Basic Europe 2016 DVD [5m]
- 4G0 060 884 S – Activation_3G_2016_5.22.3 (BNav_EU_K0260_1_D1) [5m]
- 4G0 919 884 E – SDS Language_CD_EU_0006
- 8R0 906 961 AL – 3G_DAB_K0098 (SVM: 3GRU0098)
- 8R0 906 961 BC – BTHS_0400

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To determine from which version you should start press “**Setup**” + “**Return**” on the MMI keyboard.
You will see screen similar to this one.



You need only the firmware updates with higher version that your current one.

Hama or Sandisk SD card 8GB. The separate firmware upgrades are bellow 1GB in size but the map is 5.85 GB hence the 8GB SD.

Activate hidden “green” menu.

Enable Hidden menu in MMI				
5F-Information Electr.	Adaptation - 10	Channel 6	change 0 to 1 Caution: Keep away from the "Bootloader"	active

Insert the SD card with the firmware in one of the two SD slots and press “**Setup**” + “**Return**” on the MMI keyboard.

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Disclaimer

This document is provided to you for **free**, feel free to learn and benefit from it. At no stage I take responsibility of your actions or any of my notes that may mislead you. Therefore, and like my all other documents I say “**use at your own risk**”.



Caution: Use this guide at your own risk, we are not responsible



Caution: If your car is equipped with BOSE (8RQ or 8RY) sound system read carefully the BOSE subsection



Important: Connect your car with a battery charger or leave the engine running



Important: Some users report problems when copying files from Mac OS / Linux, its better if you use Windows for all file copy process. You can use a virtual machine for that.



Recommended: Backup your old FSC using “Copy from FSC” script.



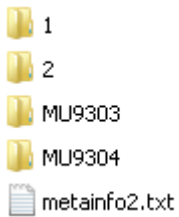
Recommended: Read the complete guide before the start, recheck all the steps and do it carefully.

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Prepare SD card with the firmware.

Format the card with FAT32 file system and then copy the files from the first software update. The card should look similar to this:



Important: Do not conduct any diagnostic work using the VAS tester, as well as any other actions



Important: Do not remove the SD card with the firmware from the MMI during the update

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User defined update

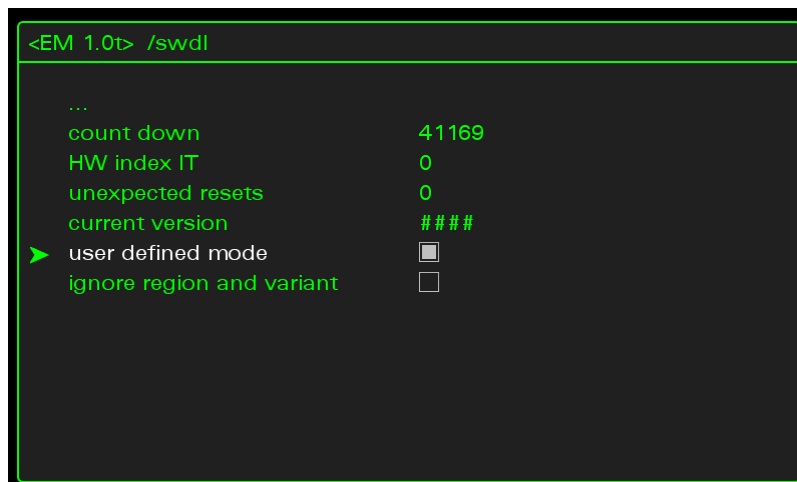
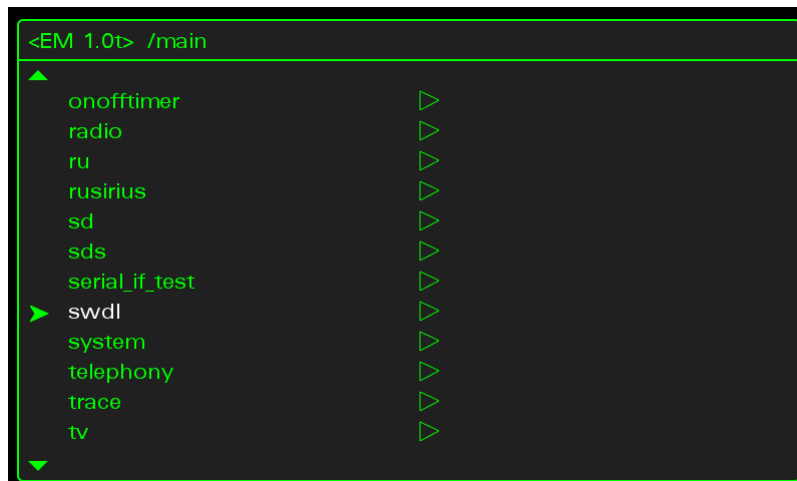
Sometimes things go wrong and maybe the update is not completed. When this happen you can use the “User Defined” mode for make a manual selection of what upgrade or install.

This is also useful for some **Bose** audio users that want to update all functions in MMI except **Bose** modules (Bose updating sometimes will trigger “component protection” and you will need to recode the unit).

For enable this mode:

Open Green Menu (Press **CAR** and **MENU** and hold it)

Go to **swdl** and tick “**user defined mode**”



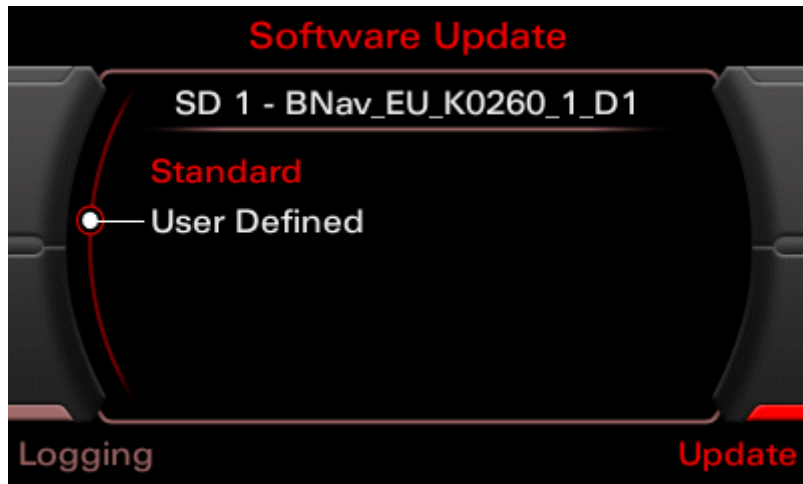
Don't reboot, just exit with any button (**RADIO/MEDIA/CAR**)

Proceed with firmware-upgrade as normal.

When the update starts, you can select “User Defined” instead of “Standard”

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Bose Specific

Remove all checkmarks from component BoseG3_*. It should look like that - N or N/A:



Or you can use the fiber optic loop adapter 4E0973802

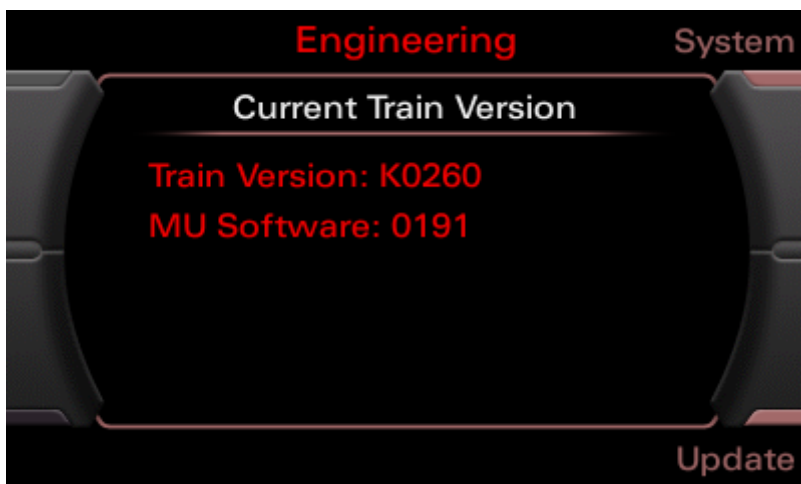


UPDATE INSTRUCTIONS FOR MMI 3G BASIC (7T2)

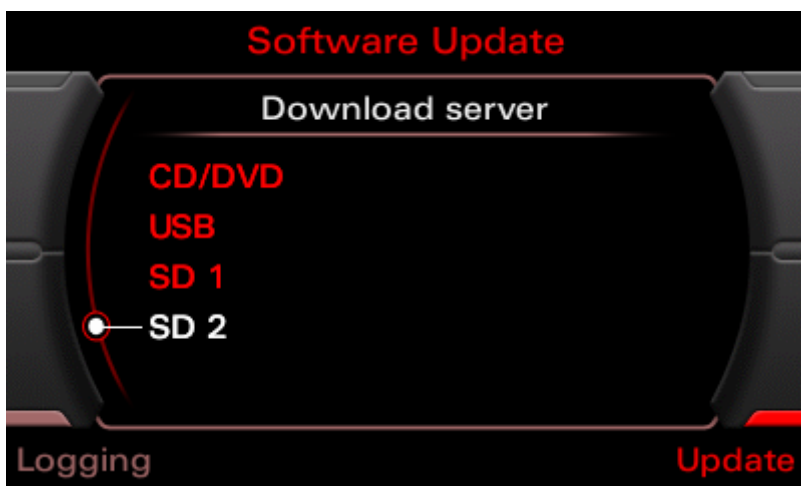
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Firmware update

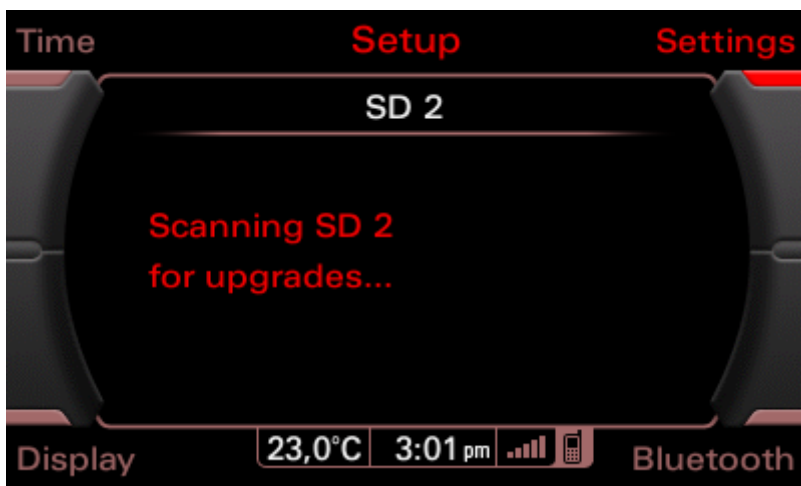
Insert the SD card with the firmware in one of the two SD slots and press “**Setup**” + “**Return**” on the MMI keyboard.



Hit “**Update**” – bottom right soft key.

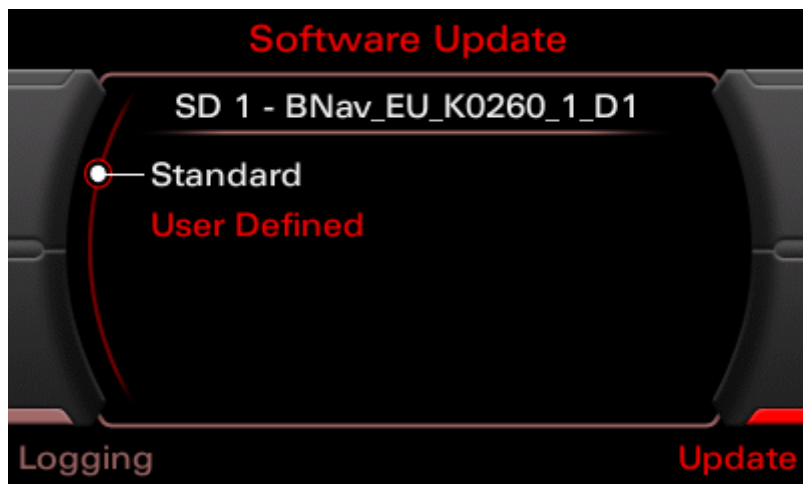
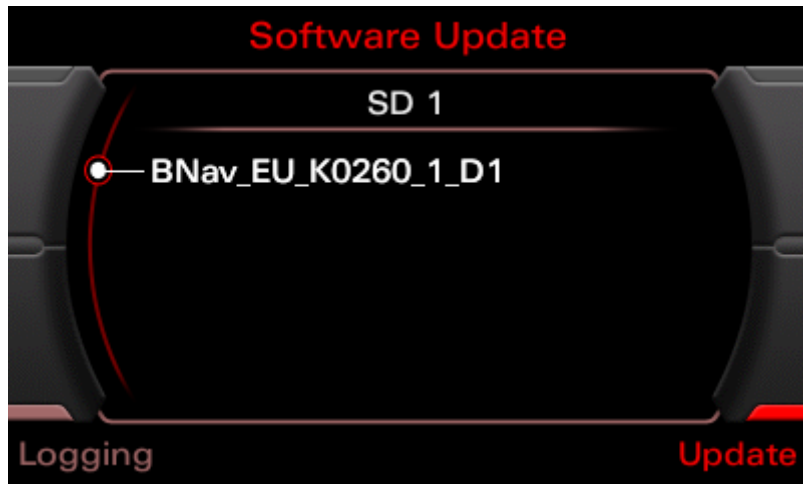


Choose the SD slot where the card is and follow the guide 😊

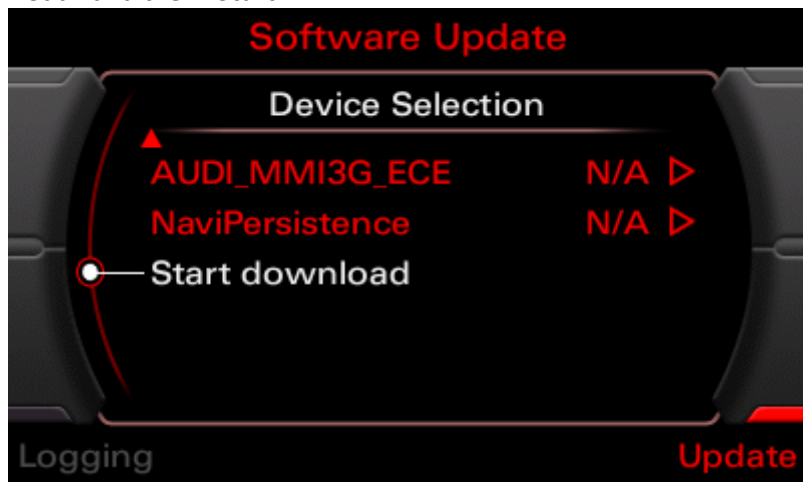


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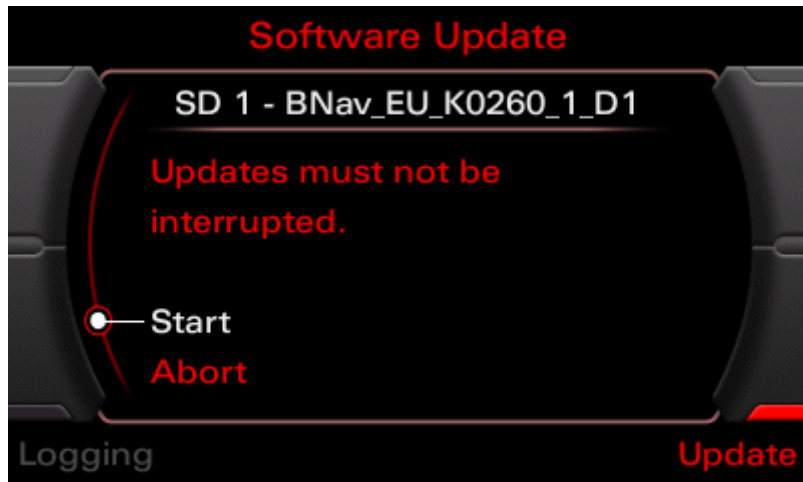


Press “**Start download**” and then “**Start**”

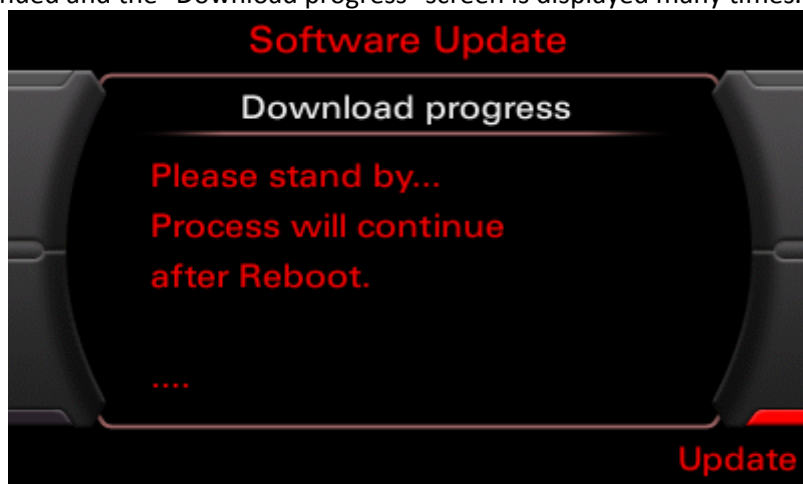


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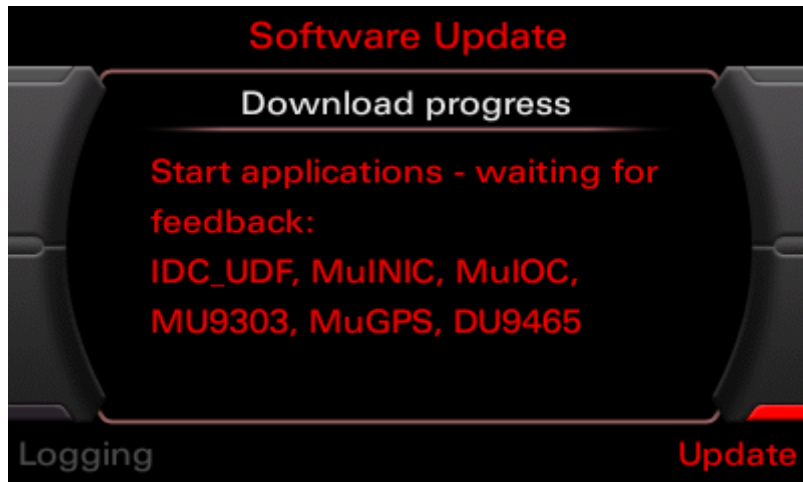


Once the system has rebooted, the download application may show a screen that displays the update progress of various devices. As soon as all devices have registered with the upgrade application, the update process is activated and the progress is shown on screen. The system may reboot many times during the update and programming session. This is carried out completely automatically and does not require you to take any action. Once the system has rebooted, updating is continued and the "Download progress" screen is displayed many times.

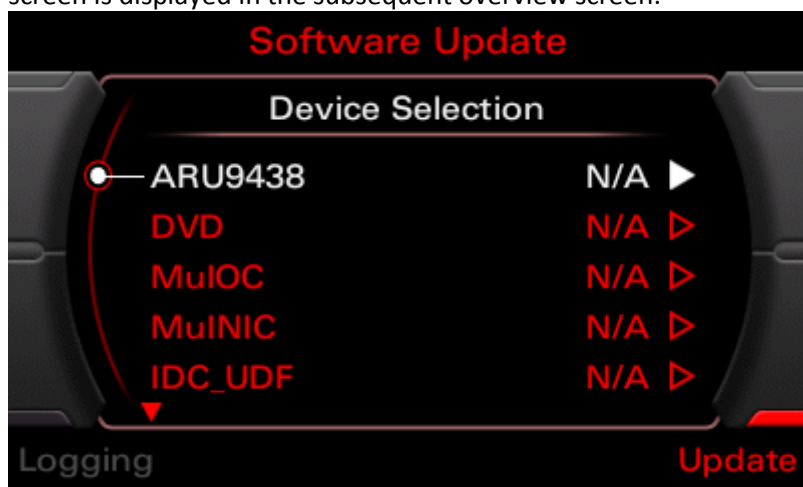


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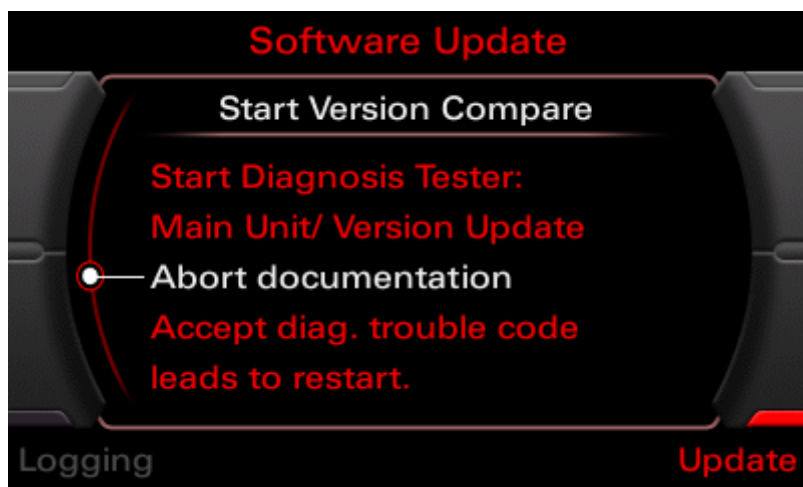
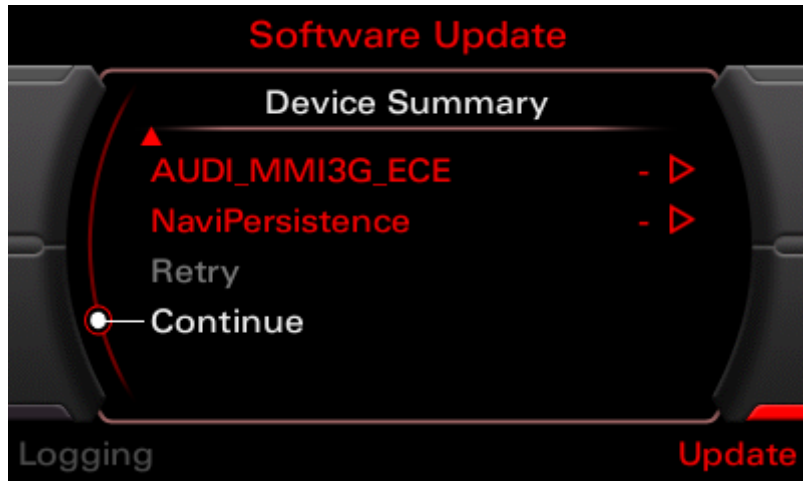
Device Summary screen is displayed in the subsequent overview screen.



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Scroll down and select "**Continue**".



Because you don't have connection to Audi SVM you have to "Abort documentation" here. This is the reason for 03276 Please Check Software Version Management in 5F Information Electr.

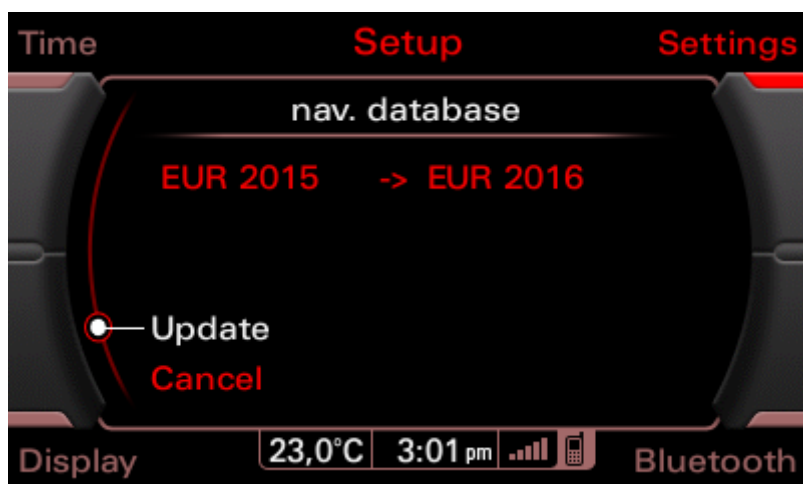
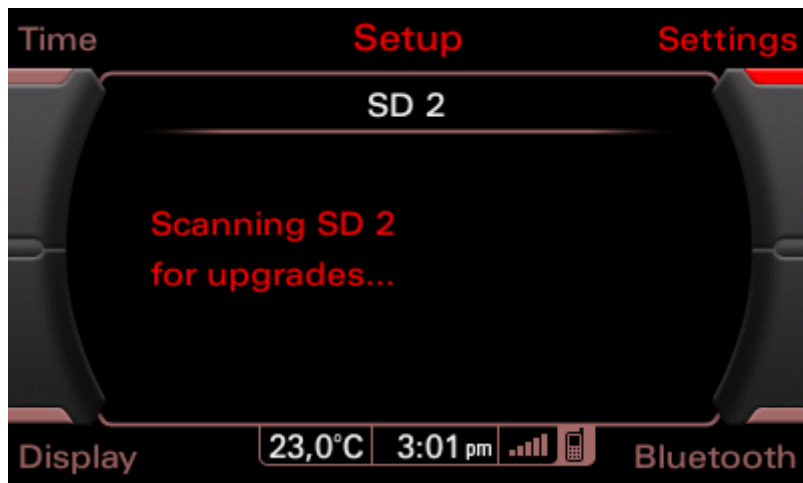


Once MMI is rebooted for the final time, you're now ready for your **Map Update**.

Update the map



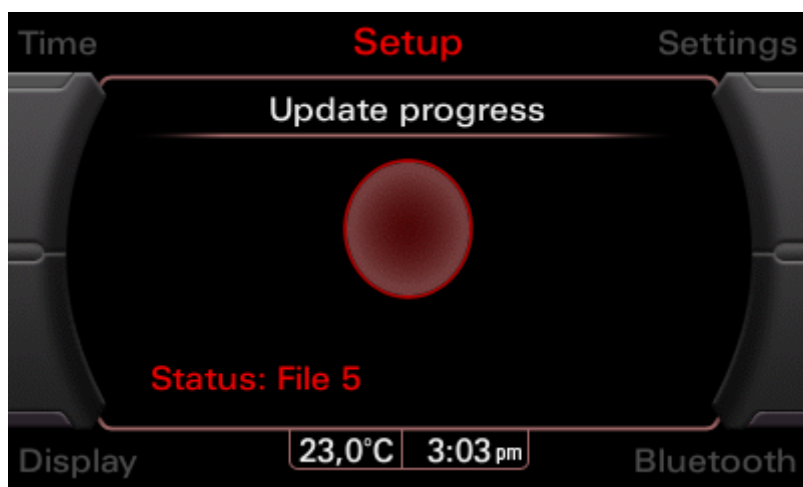
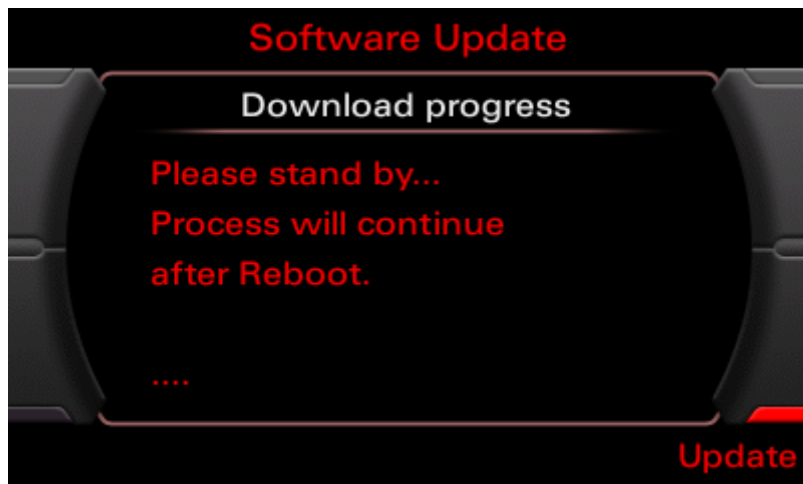
Insert the SD card with the MAP in one of the two SD card slots. After 30-60 seconds the update menu will appear. Hit “Yes” here.



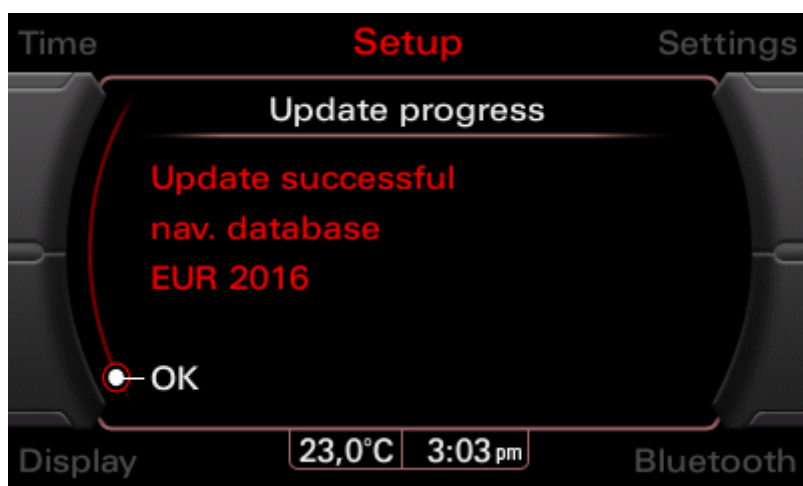
Choose “Update”

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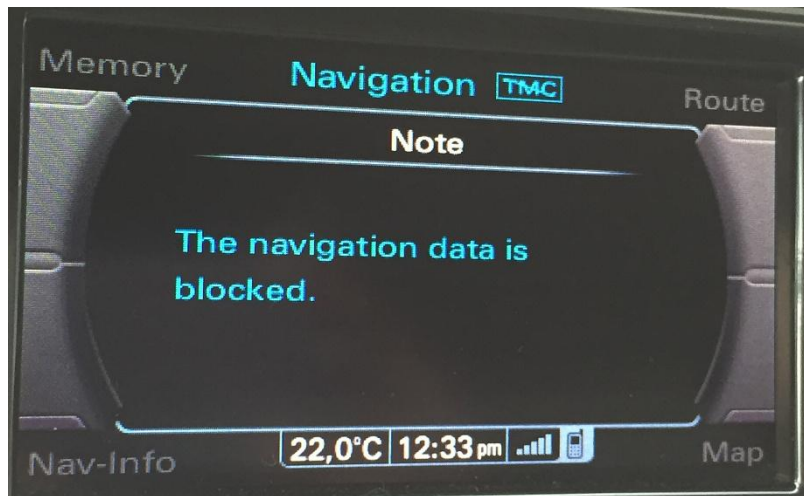


Coping 4-5 relatively small files in the MMI memory.



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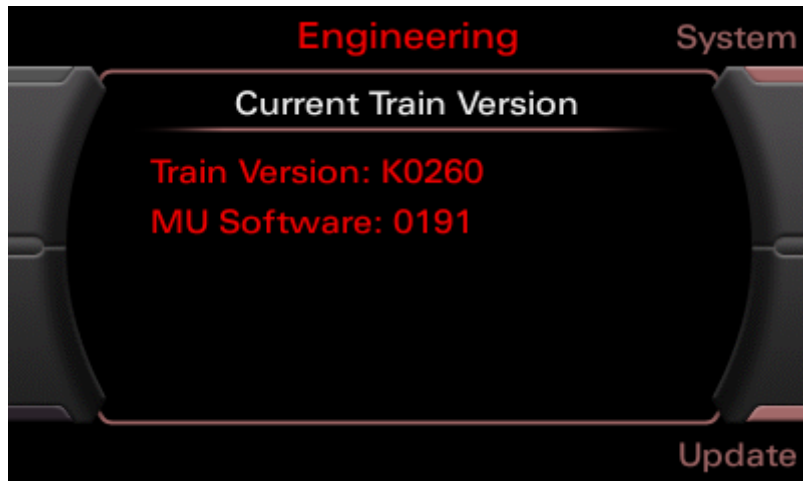
The new map needs to be activated.

Insert the SD card with the activator in one of the two SD slots and press **Setup** + **Return** on the MMI keyboard.

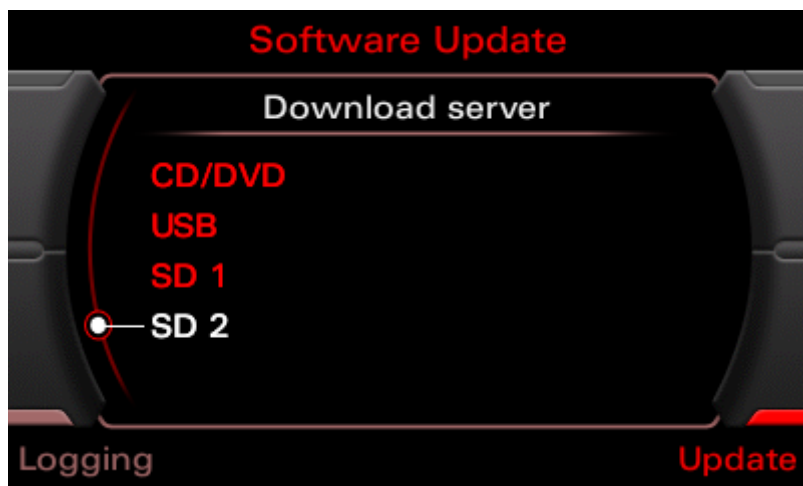


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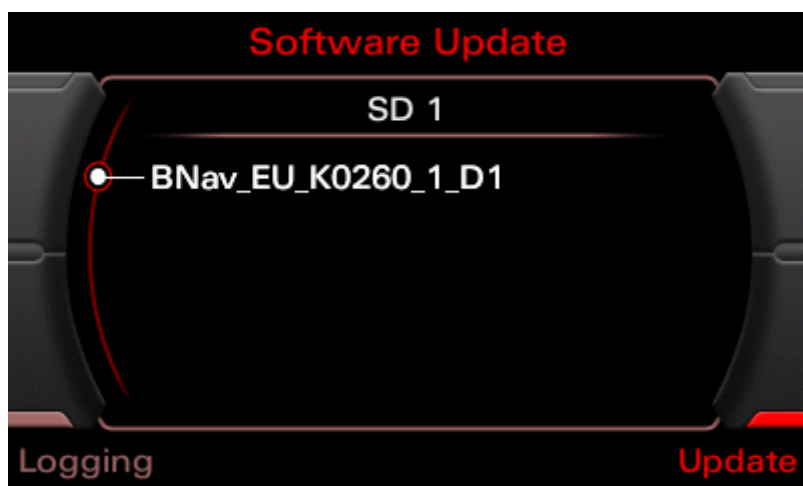
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Hit “**Update**” – bottom right soft key.

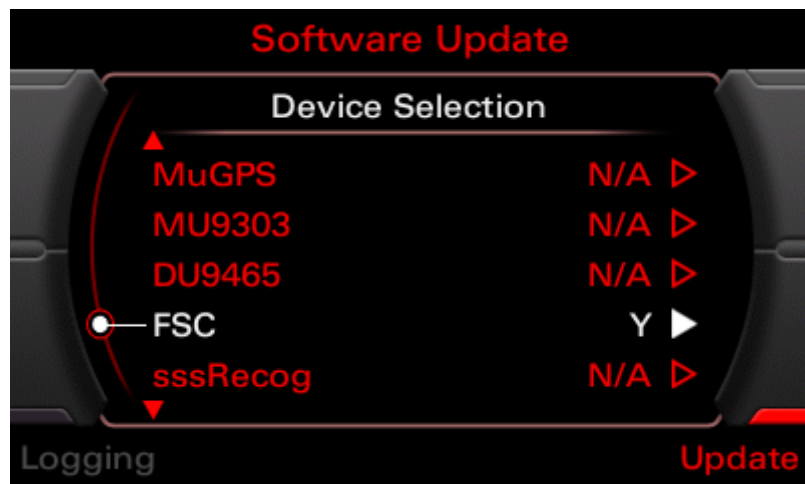


Choose the SD slot where the card is and follow the guide ☺

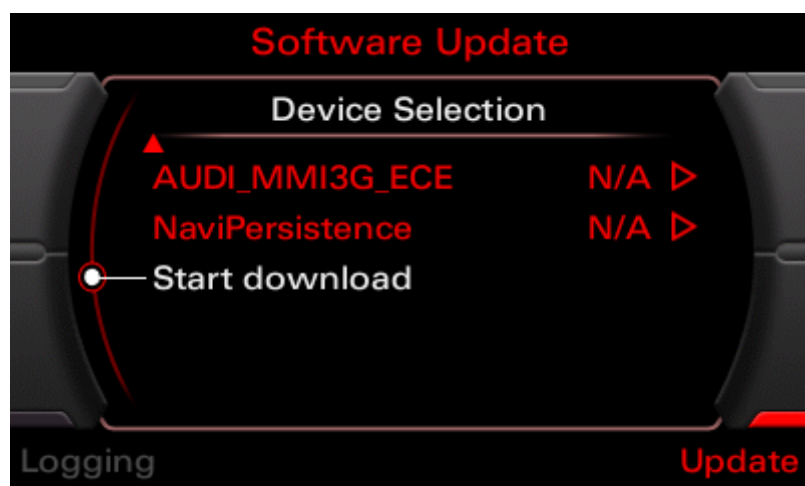


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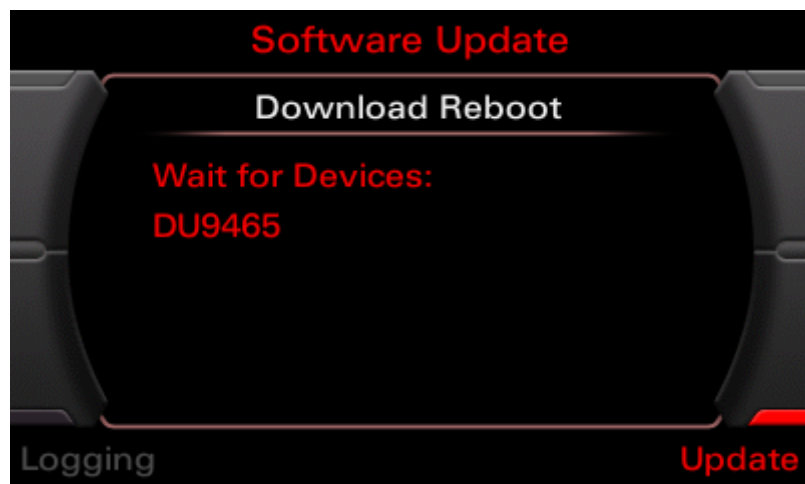
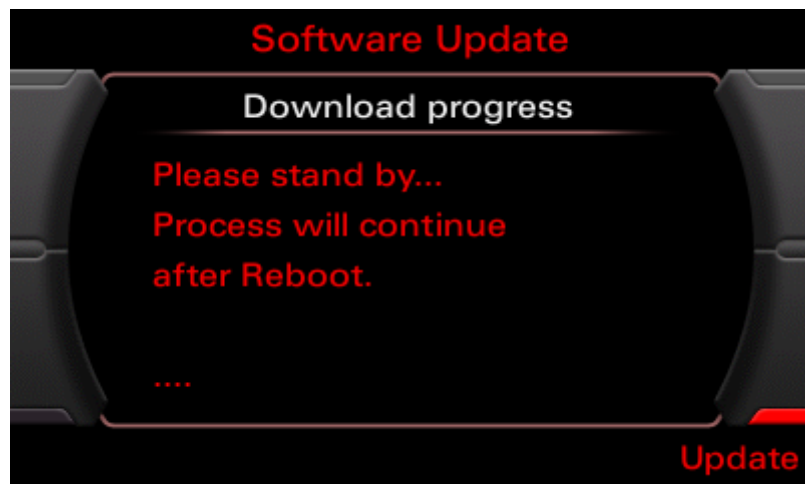
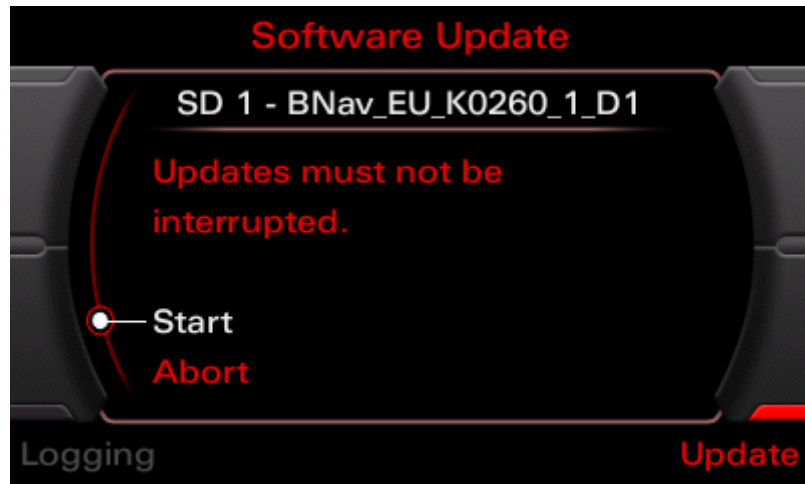


Press “**Start download**” and then “**Start**”



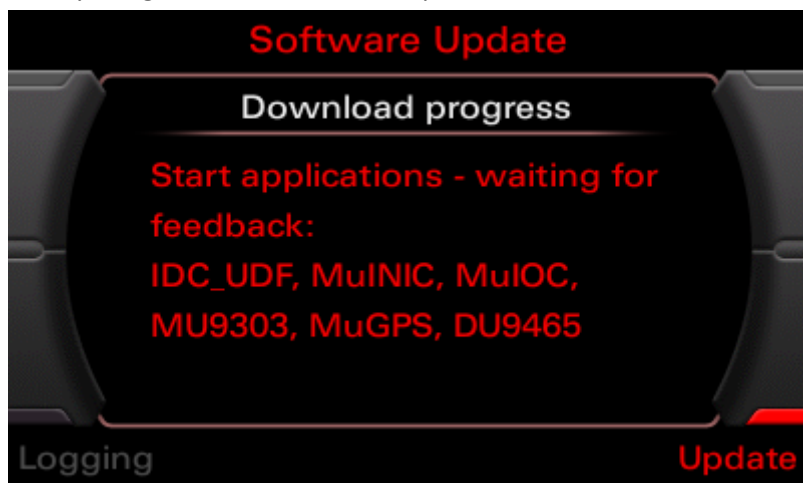
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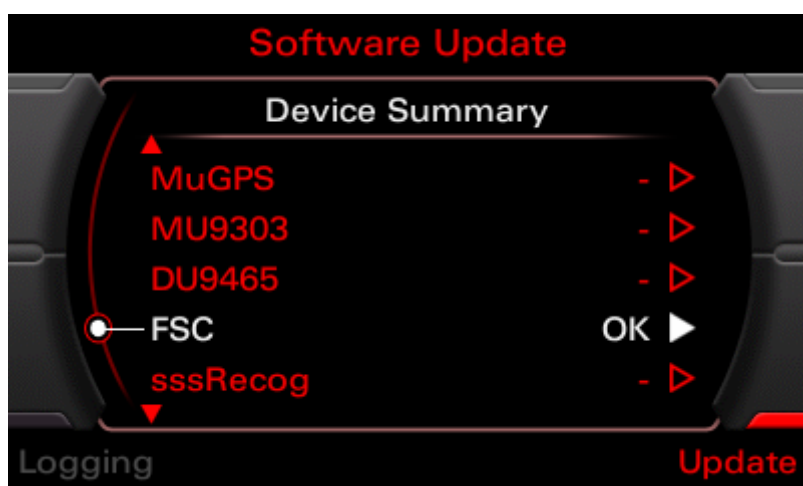


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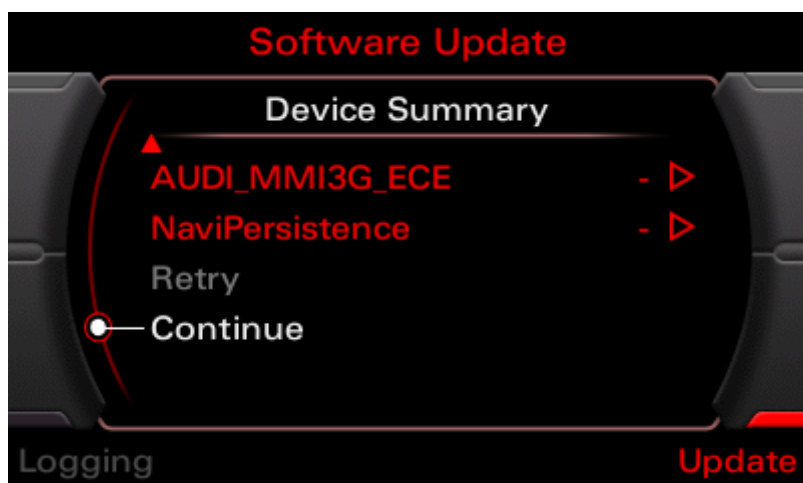
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Device Summary screen is displayed in the subsequent overview screen.



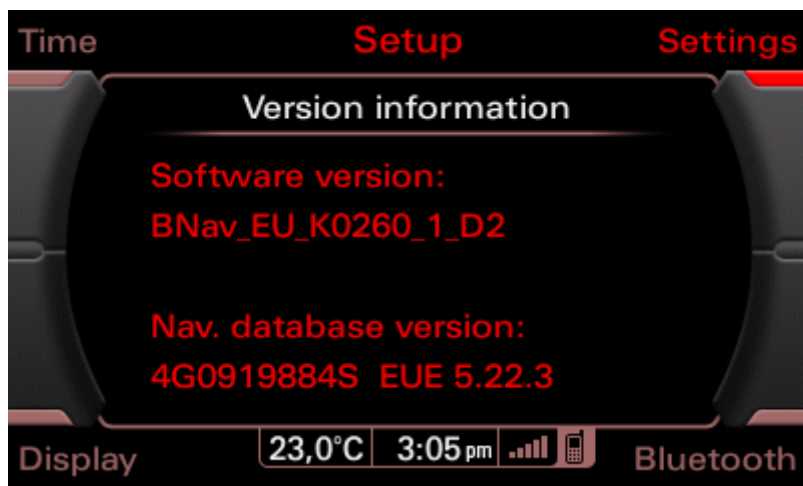
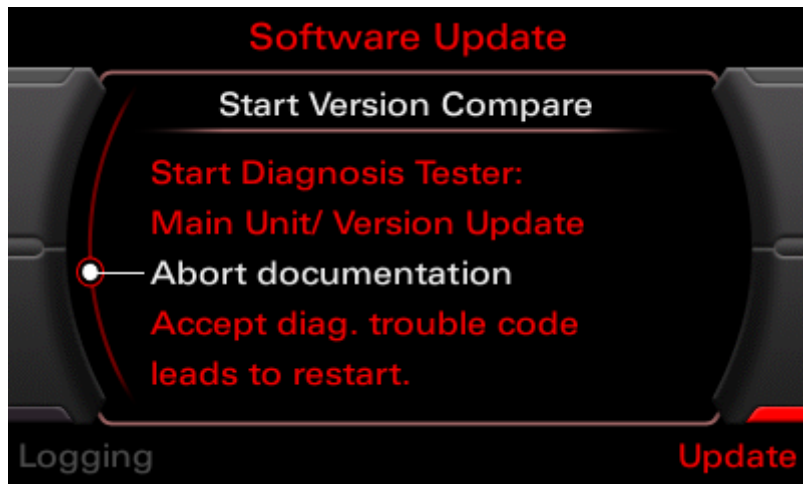
Scroll down and select "Continue".



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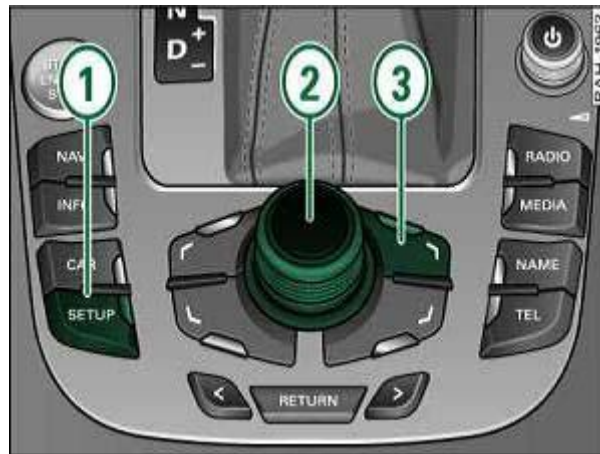
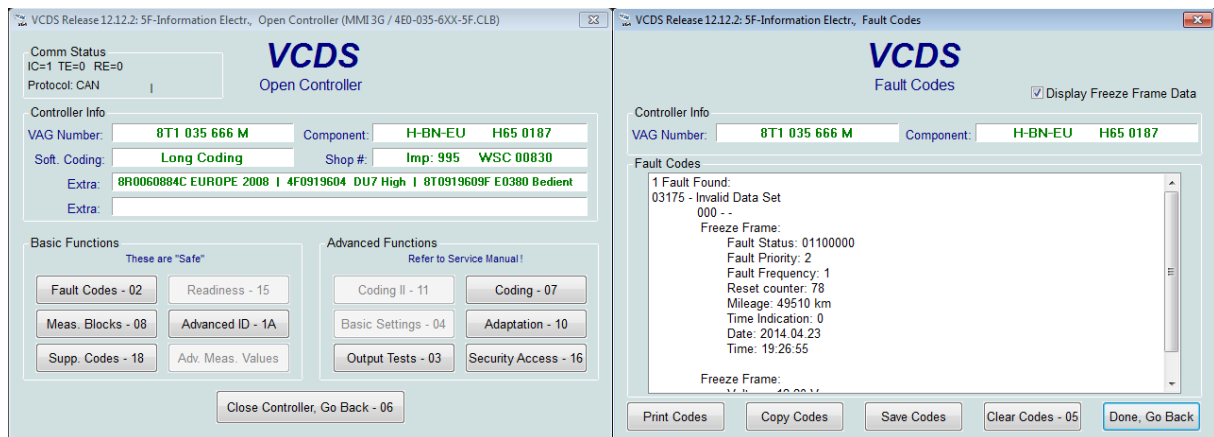
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03175 - Invalid Data Set

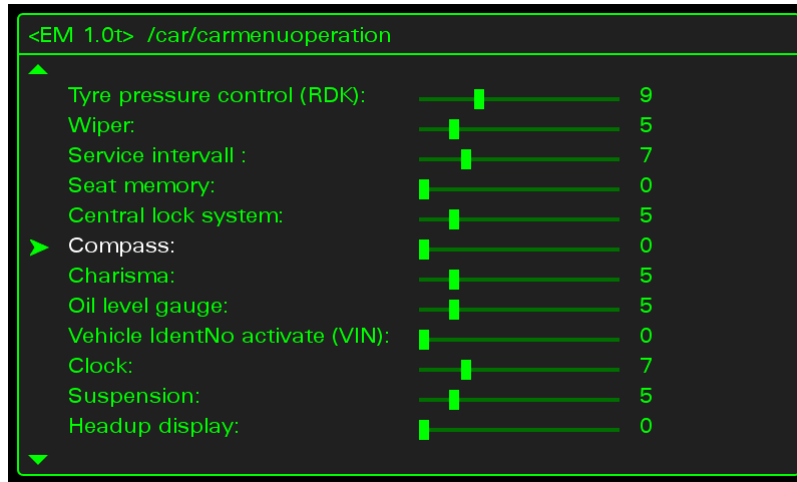
Procedure is tested on the following vehicles

- MMI 3GP (4H)
- MMI 3GP Hybrid (8F1)
- A3 MMI HIGH (8V)
- MMI 3G A4 (B8)
- A4 MMI 3G Standard
- A4 MMI 3GP
- Q7 MMI 3GP
- A7 MMI 3GP



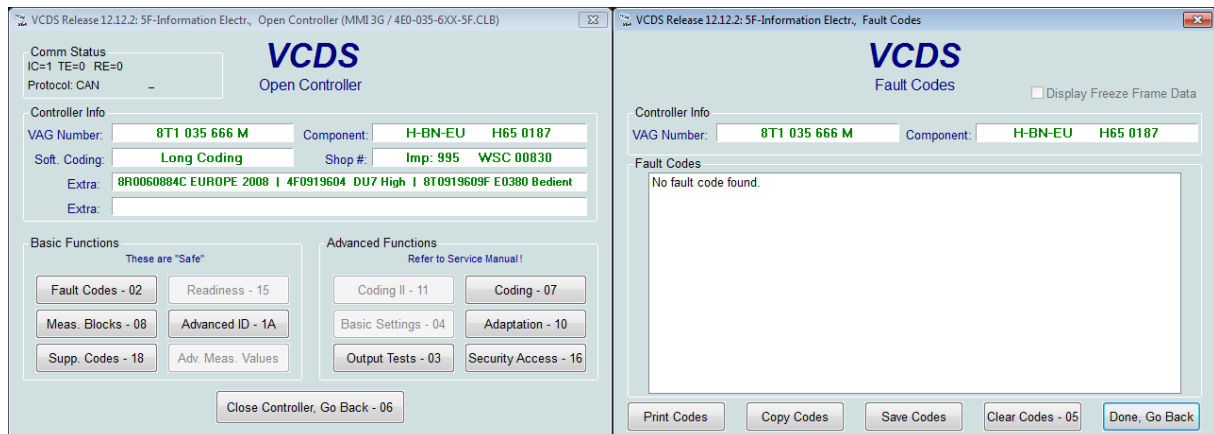
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Open Green Menu (Press **CAR** and **MENU** and hold it) go to **car/carmenuoperation**.

- Attention 1: for each line, add 1 to the current value. It is recommended to take pictures of the screen before proceeding to avoid any unpleasant manipulation.
- Attention 2: do not forget to scroll down the list that is larger than the screen!
- Leave the hidden menu with the "return"
- Restarting the MMI (see procedure)
- You can now check with VCDS: The 03175 is deleted!
- Go back into the hidden menu
- Restore the original values by subtracting -1 from each line.



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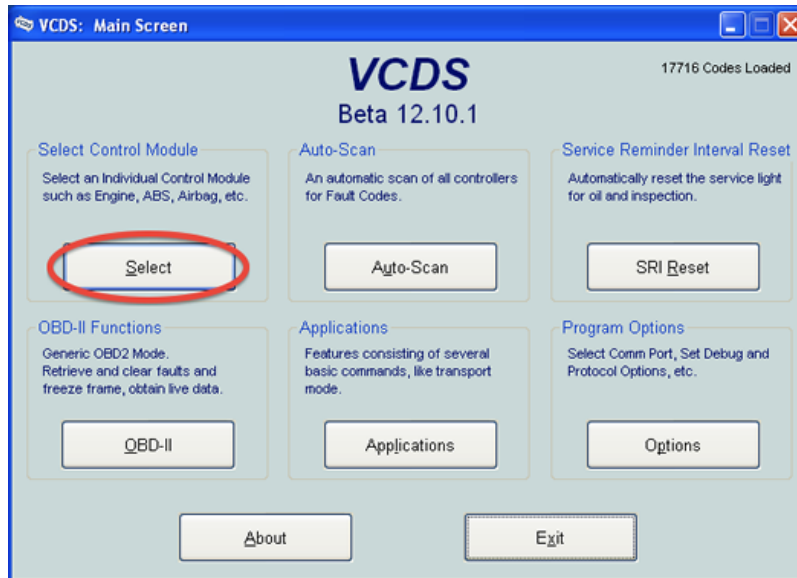
03276 "Please Check Software Version Management

Generate SVM fix Code

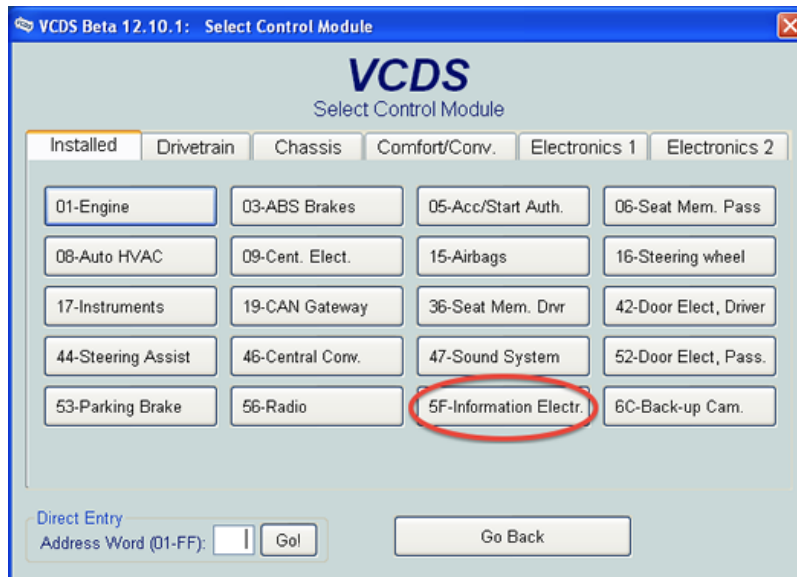
In order to correct the error you must input a new code into the adaptation channel 15 of the Navigation unit (5F).

For First timers I am including step by step pictures and instructions:

Open VCDS and Choose "Select Control Module":



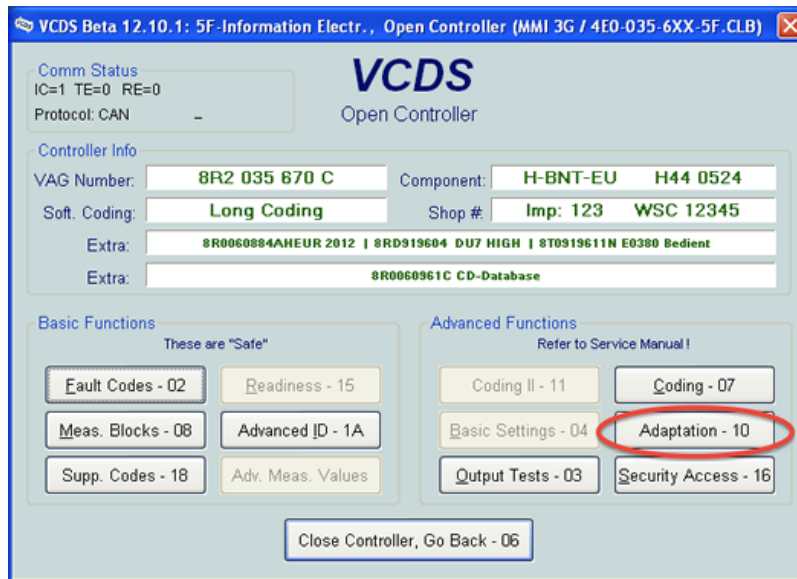
Select Module 5F:



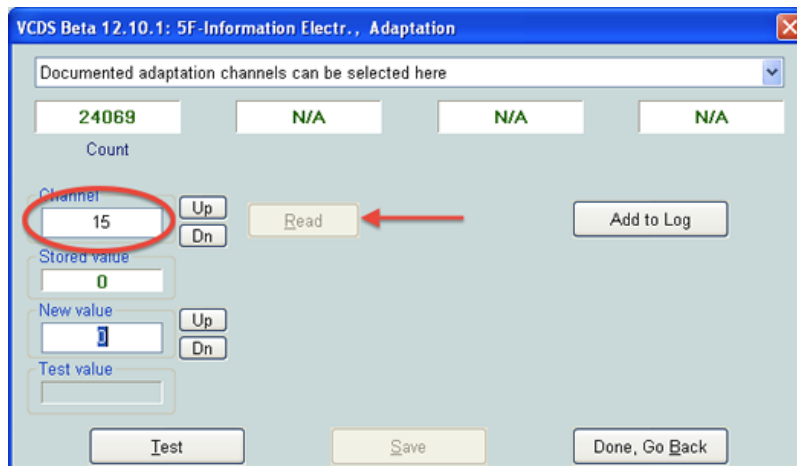
Click on "Adaptation - 10"

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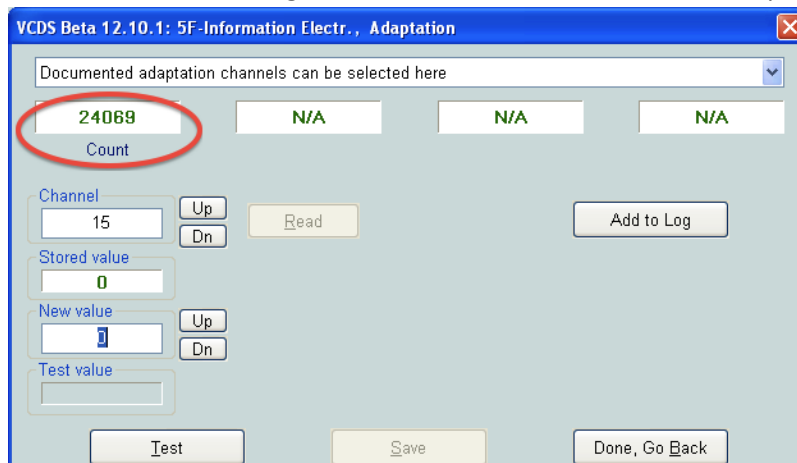
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Enter 15 for the channel and press the "Read" button.



Enter the number above the heading "Count" into the Calculator below and press Calculate:



Now enter the value you just created into the New Value area and click Test/Save:

Note that only Save may be available in which case you would ignore the test instruction.

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VCDS Beta 12.10.1: 5F-Information Electr., Adaptation

Documented adaptation channels can be selected here

24089 N/A N/A N/A

Count

Channel: 15 Up Dn Read Add to Log

Stored value: 0

New value: 1 Up Dn

Test value:

Test Save Done, Go Back

Exit Adaptations and return to the main screen (Click "Done, Go Back").

Click "Faults Codes - 02":

VCDS Beta 12.10.1: 5F-Information Electr., Open Controller (MMI 3G / 4E0-035-6XX-5F.CLB)

Comm Status: IC=1 TE=0 RE=0
Protocol: CAN

Controller Info

VAG Number: 8R2 035 670 C Component: H-BNT-EU H44 0524

Soft. Coding: Long Coding Shop #: Imp: 123 WSC 12345

Extra: 8R0060894AHEUR 2012 | 8RD919604 DU7 HIGH | 8T0919611N E0380 Bedient

Extra: 8R0060961C CD-Database

Basic Functions: These are "Safe"

Advanced Functions: Refer to Service Manual!

Basic Functions buttons: Fault Codes - 02, Readiness - 15, Meas. Blocks - 08, Advanced ID - 1A, Supp. Codes - 18, Adv. Meas. Values

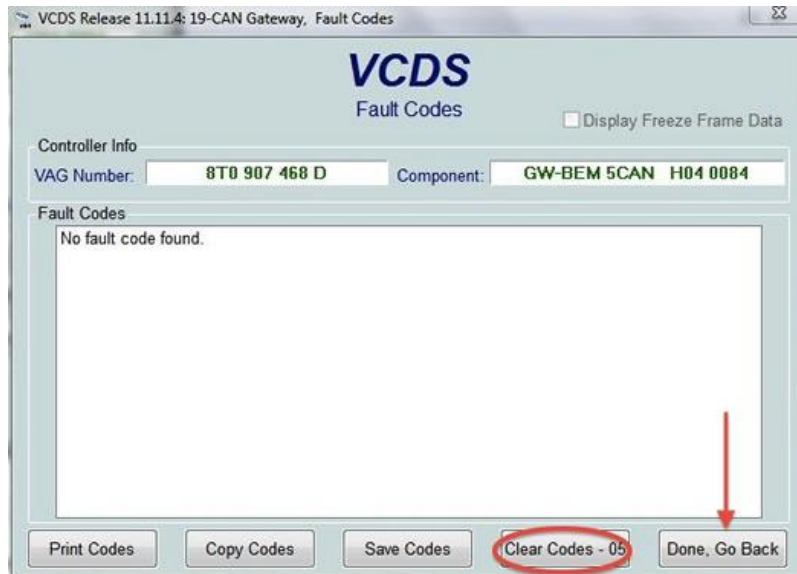
Advanced Functions buttons: Coding II - 11, Coding - 07, Basic Settings - 04, Adaptation - 10, Output Tests - 03, Security Access - 16

Close Controller, Go Back - 06

If you see any Faults click "Clear Codes - 05" then "Done, Go Back"

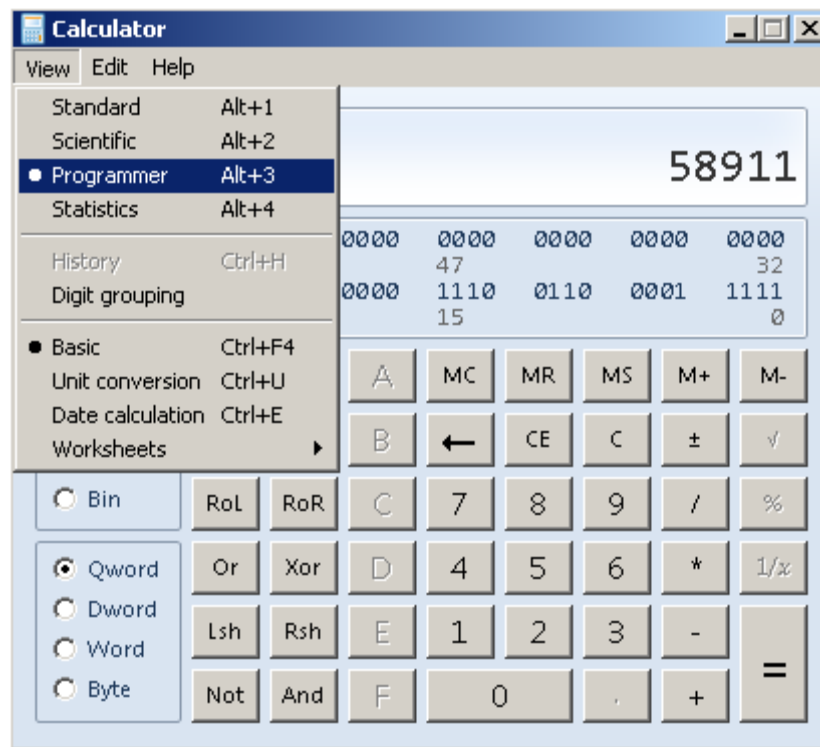
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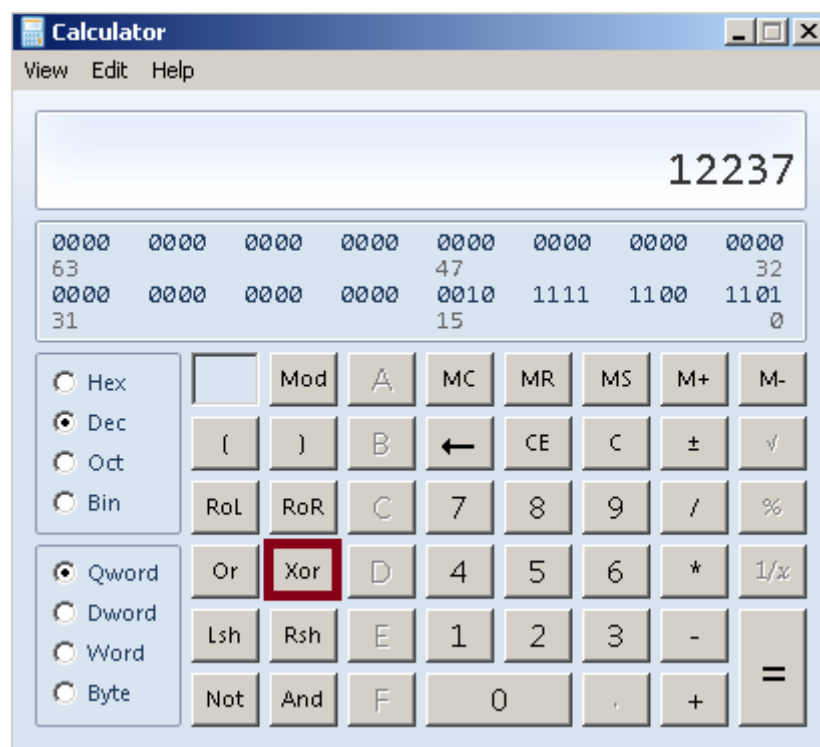


Now check Fault codes one more time and the SVM error should be gone. If not repeat the steps again.

Calculate the new SVM code



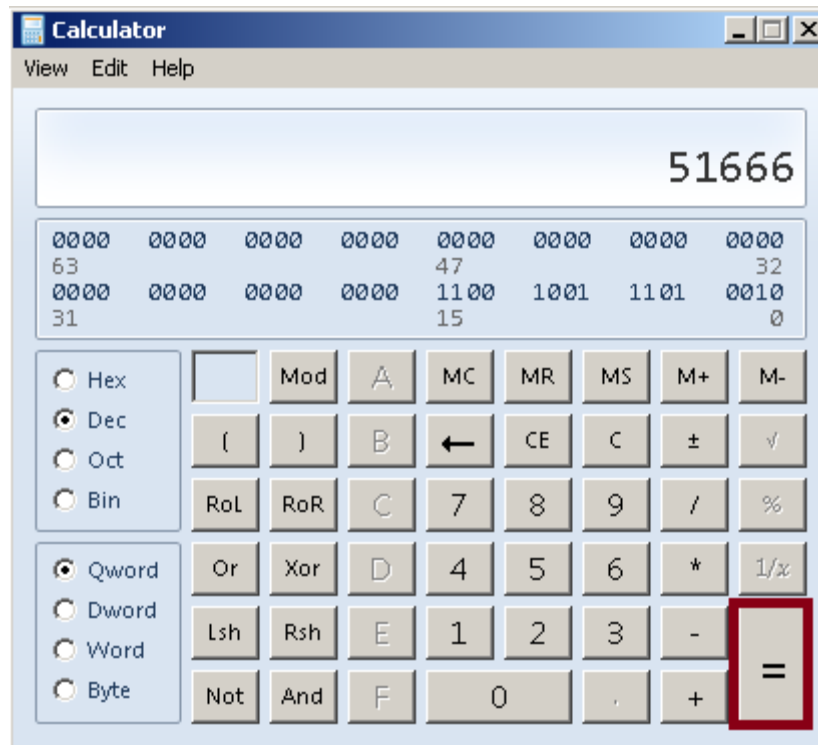
Switch to “Programmer”



Enter the number from channel 15 and hit “Xor”

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Enter number 51666 and hit “=”.

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Attachments

Here you will find some useful scripts. I have intentionally decoded the copie_scr.sh into copie_scr.sh.dec for your convenience.

 Copy from FSC.zip	Backup FSC
 FSC Remove if 03623 Fault.zip	If you receive error 03623 then you need to remove the FSC files from the MMI
 Green Menu Activation.zip	Enable hidden “Green” menu w/o VCDS

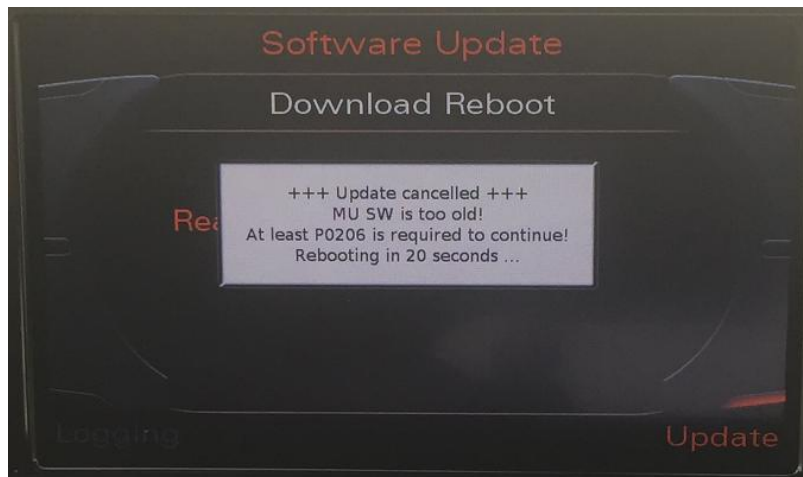
Common Errors

Wrong software



If you see similar error it means that you have MMI 3G BASIC but you have downloaded software for MMI 3G HIGH.

Older version needed



If you see message similar to this than you are missing version.