

Getting started



v13.08.08

by Mosselman Turbo Systems

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Overview

Welcome to iMoss!

Now *you* have the power to flash...

iMoss by Mosselman Turbo Systems gives you the power to flash your car with the quality of Mosselman Turbo Systems files, and return to stock any time you want. Further, you can read and clear fault codes. iMoss flash tool is a high quality product, it is easy to use and it allows you to drive a Mosselman tuned car!

How does it work

After installing on your laptop iMoss software programs (iMoss_BMW_Installation.exe and xcode.exe) you run the program with your PC/laptop connected to iMoss through the USB connection and the OBD side plugged in your car OBD connector. The software will start checking the connection to your car, identifying your car and its ECU, and ask you if you want to lock iMoss to your car. From now on iMoss will be able to communicate exclusively with your car. Reading out the original program from your ECU will be easy. We recommend that the car battery is in recharged during the reading process only for those car that require a longer time for this operation (check at page 17-18 the reading time for your car). Reading your car file is not affecting at all your car settings, after reading your car is still fully functional. At this point you just need to send us an e-mail with the file imoss@mosselmanturbo.com and we will prepare your custom remapped file within 24/48h (working day). Once you receive your remap, you connect iMoss to your car and program the remap to your car and enjoy it!

iMoss package includes:

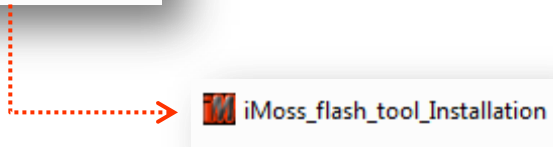
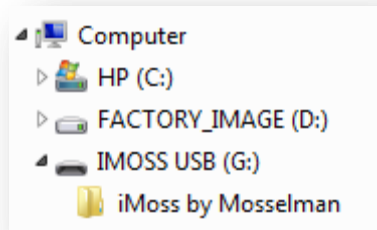
- *iMoss hardware device, USB to OBD*
- *iMoss software*
- *This installation and operation manual*

System requirement (laptop, PC)

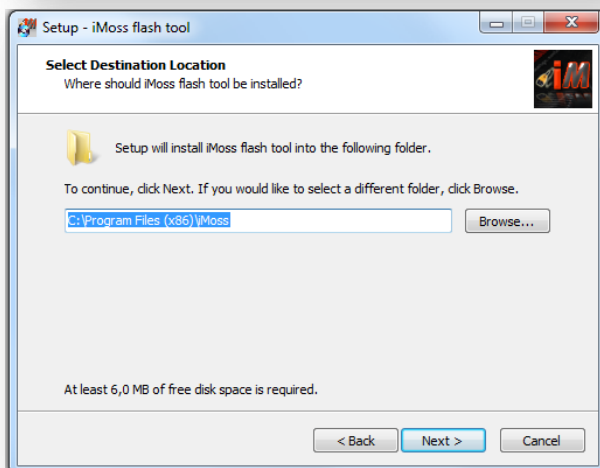
Windows XP or higher, and since the software is relatively light, core speed over 400MHz, RAM over 200MB free, HDD over 400MB free.

Installation

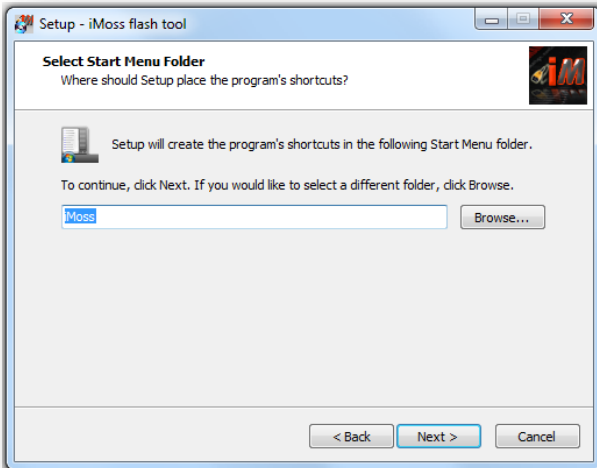
iMoss software installation takes only few moments. Plug in your laptop first iMoss flash tool. Open '**iMoss by Mosselman**' map and click on '**iMoss_flash_tool_Installation**' application.



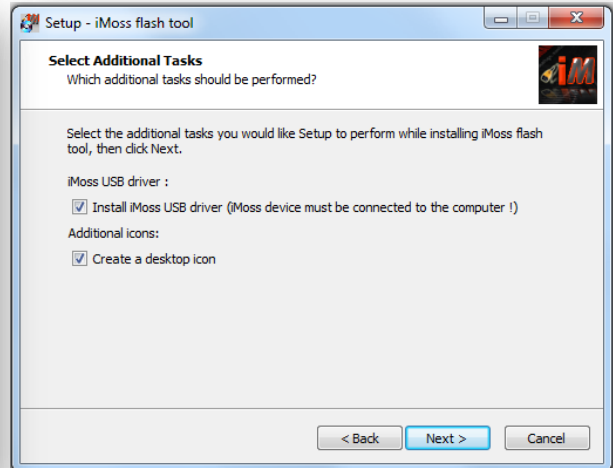
i1. It is recommended that you close all opened application before installing this program. Click **Next**.



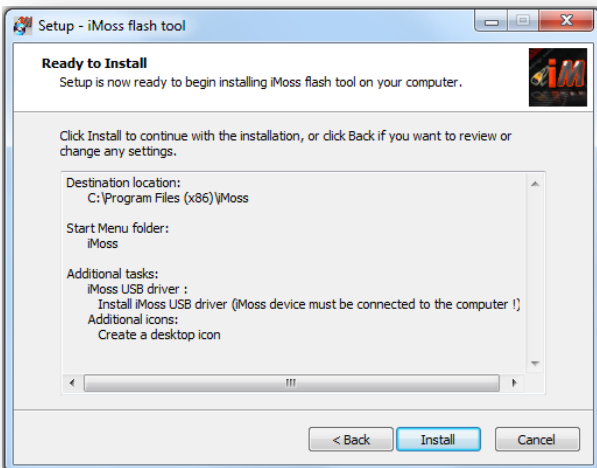
i2. To install iMoss program in the recommended location click **Next**.



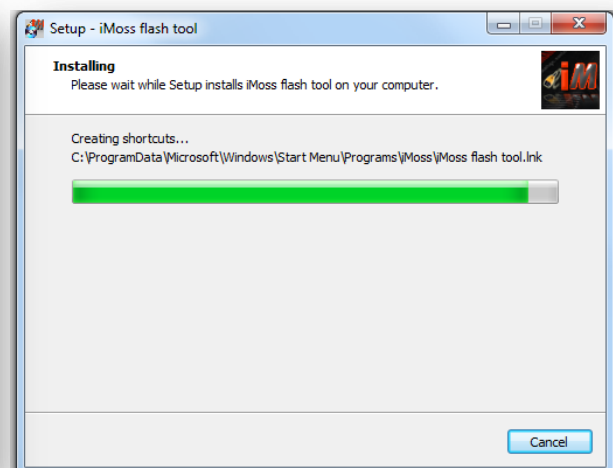
i3. Click **Next**.



i4. Click **Next**.



i5. Click **Install**.



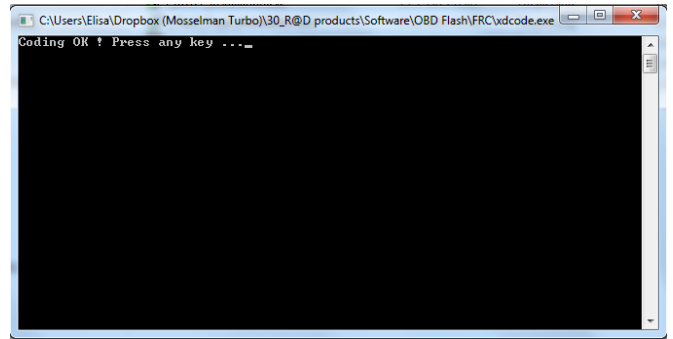
i6. Wait a few seconds.



i7. Click **Finish** to complete the installation, the program will start automatically.



i8. Run once on your PC **xdcode.exe** program (see next page).



i9. At this point iMoss program is installed on your computer. You still need to run once xdcode.exe. Be sure that iMoss cable is connected to your PC via the USB port, click on xdcode.exe program, a black window will appear, wait few seconds.

i10. On the black window you will read: "Coding OK! Press any key...". iMoss is ready to use! Check pages 7-8.

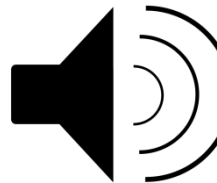
IMPORTANT: The **ignition** must be **ON** during reading and programming. The programming will fail if the ignition of the car is not fully switched on during the programming attempt.



To switch on your ignition inserting the key is not enough, you have to push the start button once as well. Without pushing any pedal.



The instrument panel lights will be on.



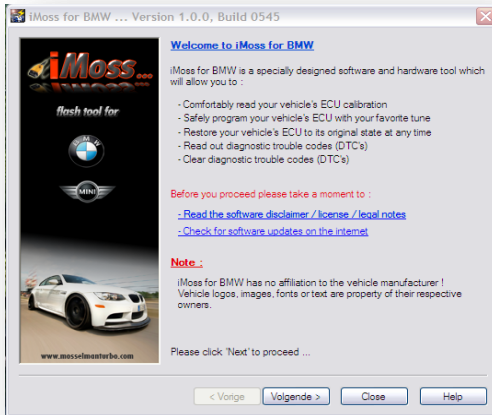
Ignition on is also usually reported by a distinctive sound.



To save battery life switch off some consumers like air conditioning, radio, lights.

Ignition is on now and you are ready to read or write with iMoss!

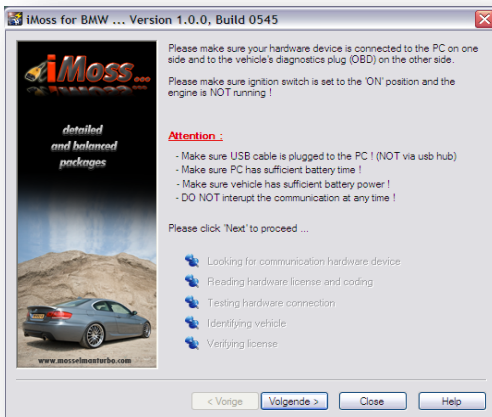
Attention! Be sure to have enough battery level in your car battery and in your PC/laptop during reading and/or programming the ECU file. Switch off all functions consuming energy (like lights, radio, airco...). It is highly recommended to use a power supply for both your car and your PC/laptop if your car ECU requires a long reading time (check list of estimated times at page 17-18).



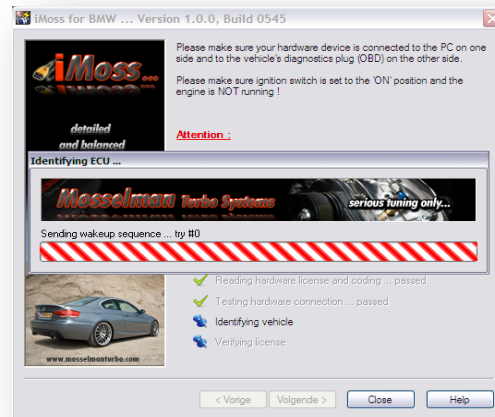
c1. Read the software disclaimer, click the **I agree** button and click **Next**.



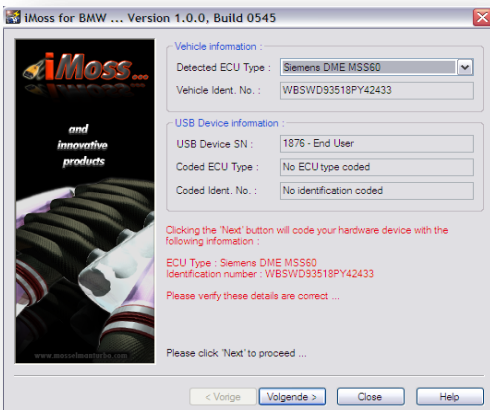
c2. The specifications of your PC/laptop are checked here to guarantee problem-free operation. Click **Next**.



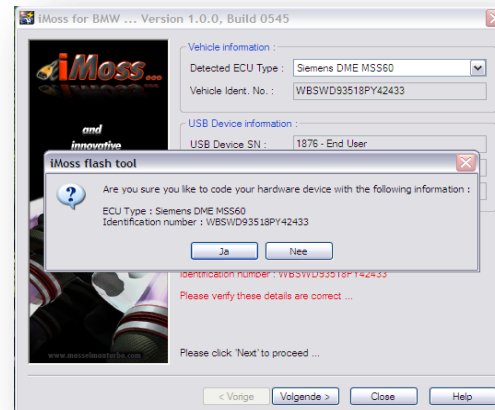
c3. Follow the instruction on the screen (make sure your hardware device is connected to the PC on one side and to the vehicle's diagnostic plug OBD on the other side, and make sure ignition switch is set to the ON position and the engine is NOT running!) and click **Next**.



c4. iMoss starts identifying your car ECU and VIN (chassis number), this can take a minute. The next window will appear automatically.



c5. Verify the ECU type if you have more than one option in the selection box, and the VIN (chassis number). Click **Next**.



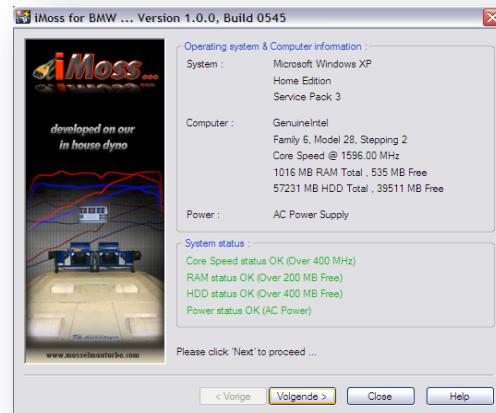
c6. Click **YES**, iMoss will lock to your car, this means that from now on it will work exclusively with your car. Click **Next** and iMoss is now ready for you.

Reading the original map from your car

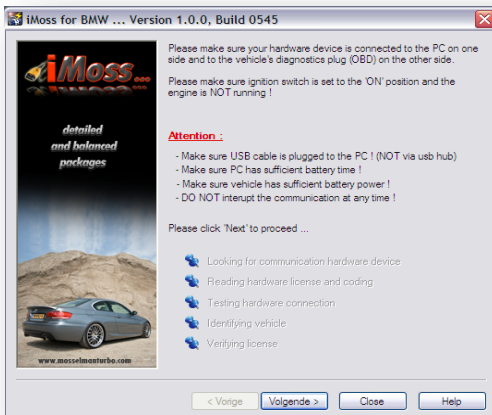
Attention! Be sure to have enough battery level in your car battery and in your PC/laptop during reading and/or programming the ECU file. Switch off all functions consuming energy (like lights, radio, airco...). It is highly recommended to use a power supply for both your car and your PC/laptop if your car ECU requires a long reading time (check list of estimated times at page 17-18).



r1. Read the software disclaimer, click the **I agree** button and click **Next**.



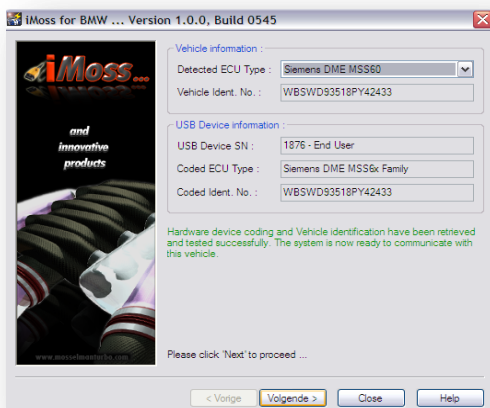
r2. The specifications of your PC/laptop are checked here to guarantee problem-free operation. Click **Next**.



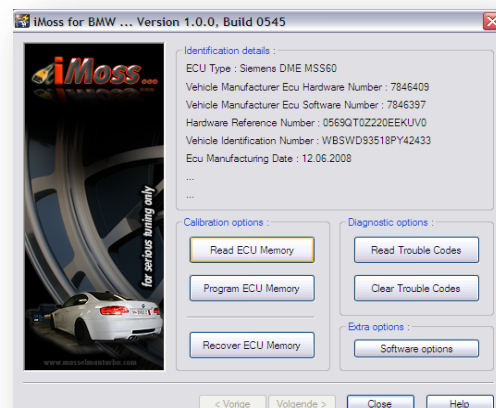
r3. Follow the instruction on the screen (make sure your hardware device is connected to the PC on one side and to the vehicle's diagnostic plug OBD on the other side, and make sure ignition switch is set to the ON position and the engine is NOT running!) and click **Next**.



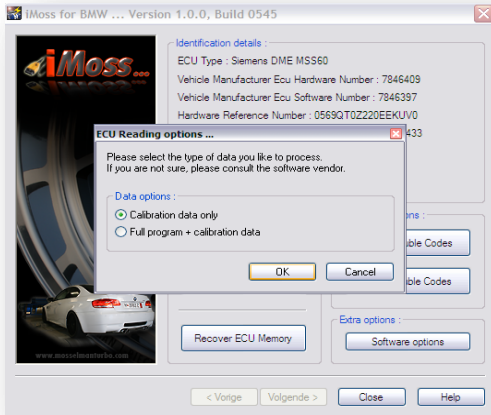
r4. iMoss starts identifying your car ECU and VIN (chassis number), this can take a minute. The next window will appear automatically.



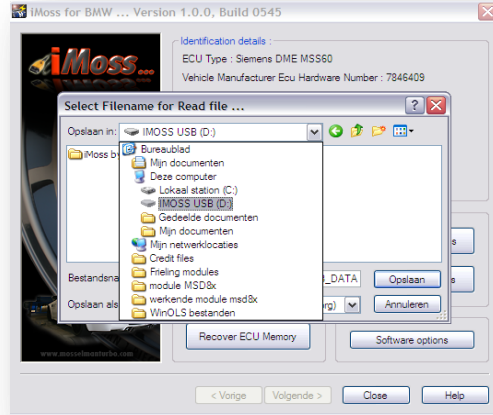
r5. The system is now ready to communicate. Click **Next**.



r6. It is recommended to **Read Trouble Codes** first. If iMoss detects any trouble codes it is highly advised to solve them before proceeding. If your car is free of trouble codes click the **Read ECU Memory** button.



r7. Go to the list at page 17-18, check what option you should select according to your car type. Select the right option and click **OK**.



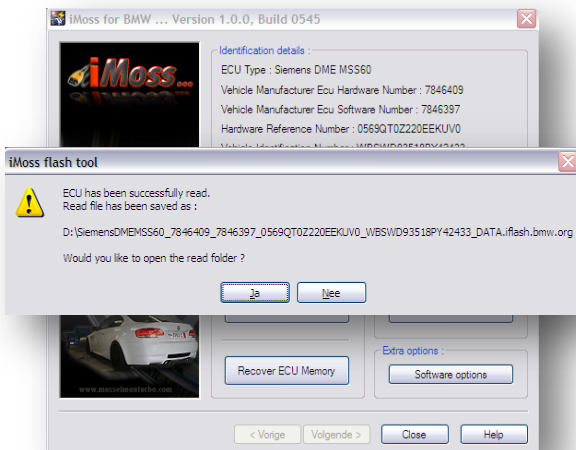
r8. It is recommended to select the supplied iMoss USB stick. Click **Next** to start reading.



r9. iMoss is reading the original file from the ECU.



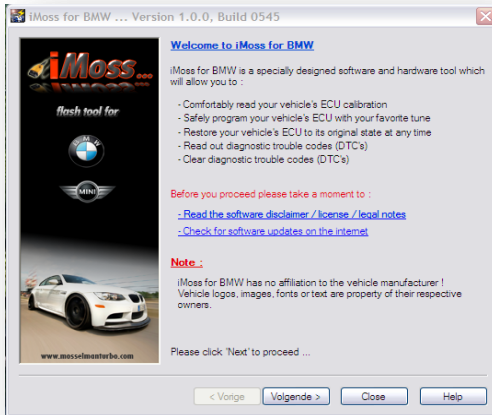
r10. iMoss is reading the file for 2 minutes and 39 seconds, 4 seconds to go...



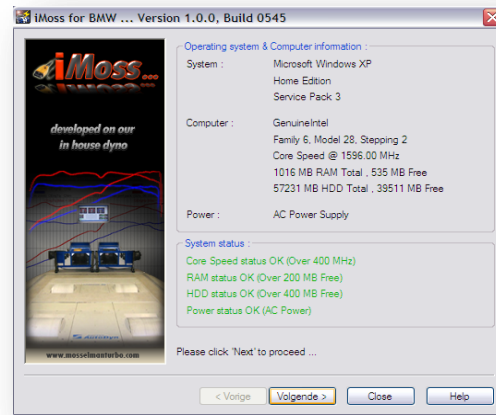
r11. ECU file has been read successfully, and is saved. You don't need to open the read folder so you can click **No**. E-mail to imoss@mosselmanTurbo.com the saved original file and we will remap it for you.

Programming the remap into your car

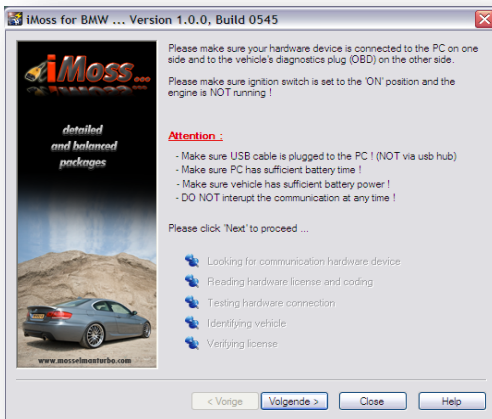
Attention! Be sure to have enough battery level in your car battery and in your PC/laptop during reading and/or programming the ECU file. Switch off all functions consuming energy (like lights, radio, airco...). It is highly recommended to use a power supply for both your car and your PC/laptop if your car ECU requires a long reading time (check list of estimated times at page 17-18).



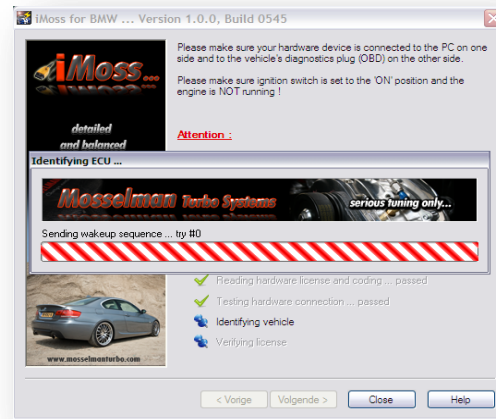
p1. Read the software disclaimer, click the **I agree** button and click **Next**.



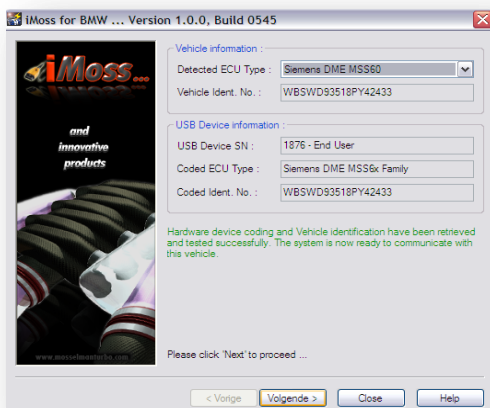
p2. The specifications of your PC/laptop are checked here to guarantee problem-free operation. Click **Next**.



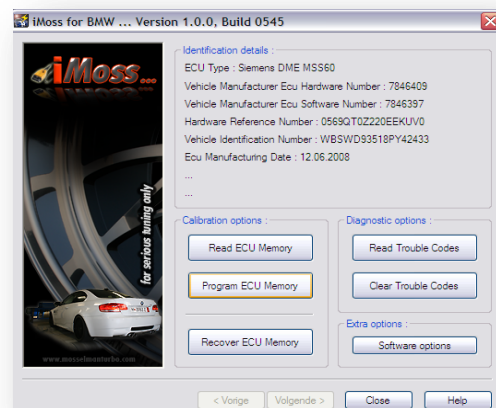
p3. Follow the instruction on the screen (make sure your hardware device is connected to the PC on one side and to the vehicle's diagnostic plug OBD on the other side, and make sure ignition switch is set to the ON position and the engine is NOT running!) and click **Next**.



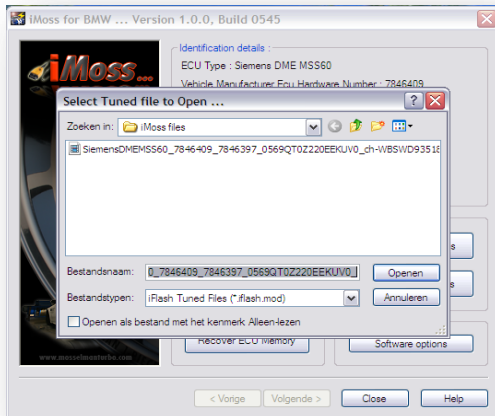
p4. iMoss starts identifying your car ECU and VIN (chassis number), this can take a minute. The next window will appear automatically.



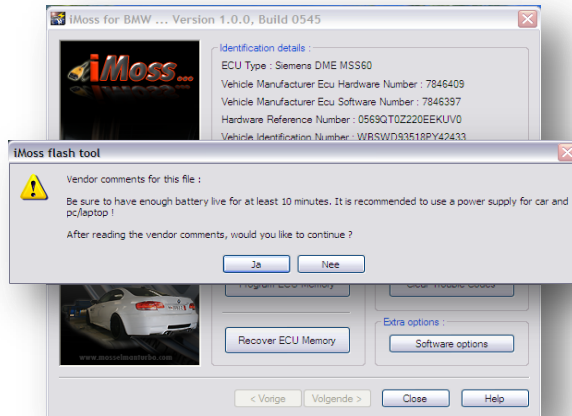
p5. The system is now ready to communicate. Click **Next**.



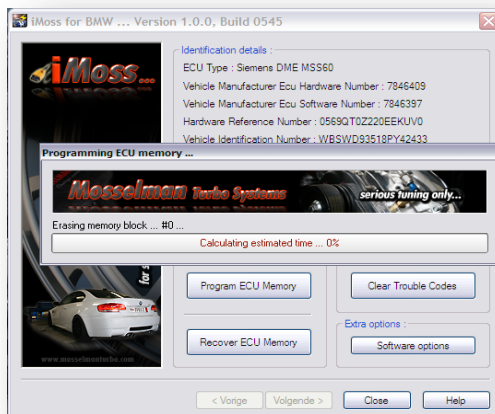
p6. Click the **Program ECU Memory** button.



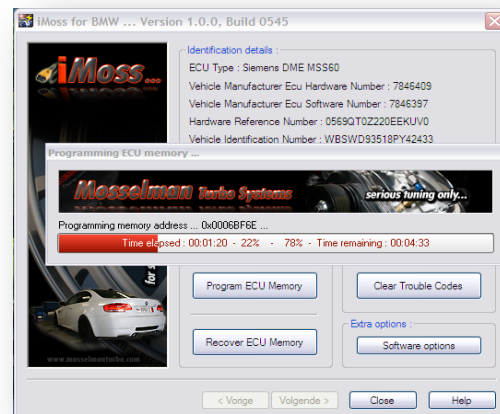
p7. Select the tuned file we sent you (extension iflash.mod) and click **Open**.



p8. Read the vendor comments, make sure to apply them and then click **Yes**.



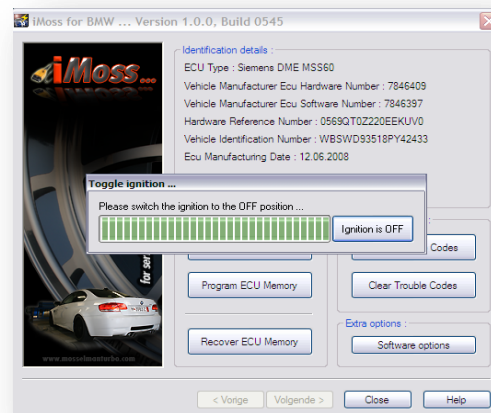
p9. iMoss is now erasing the memory block to make space for the new remap. It is normal to see malfunctions in the screen of your car during this process (ESP, tyre pressure, gear box, etc...). Wait.



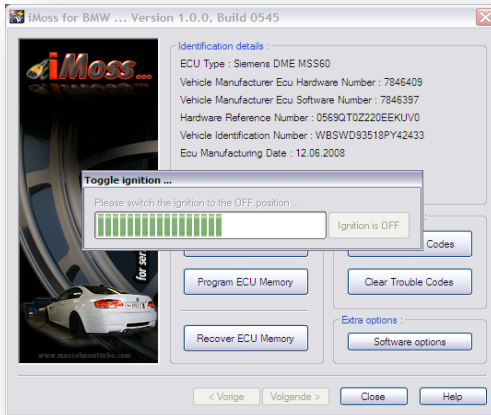
p10. iMoss is now programming the new remap, 4 minutes and 33 seconds to be completed..



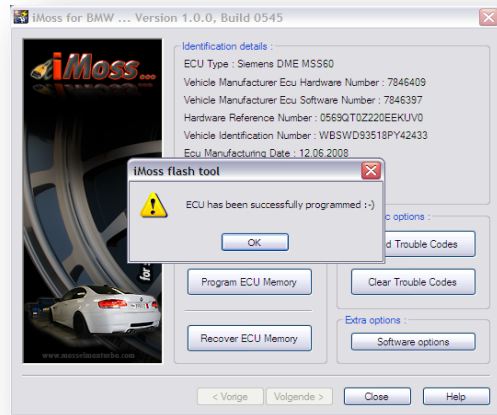
p11. ...10 seconds, wait.



p12. Switch ignition to the OFF position then click Ignition OFF button.



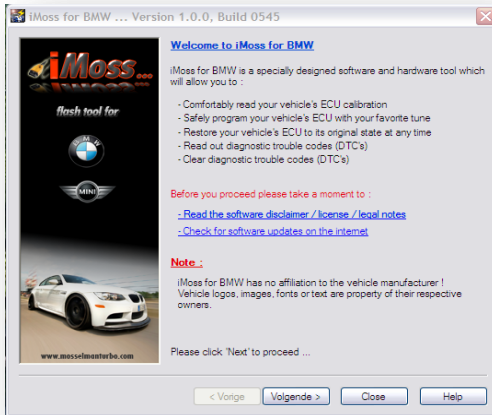
p13. Wait a moment.



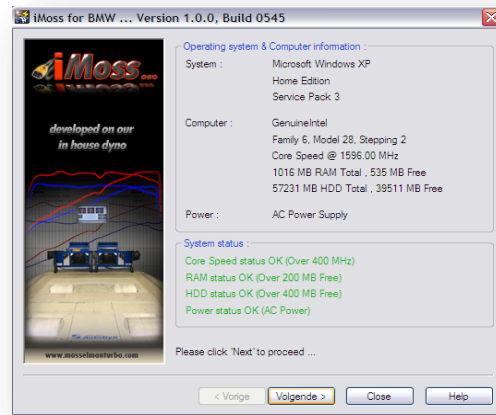
p14. The programming is completed, ECU has been successfully programmed. Click **OK**. You can close the program and unplug iMoss.

Programming back to stock

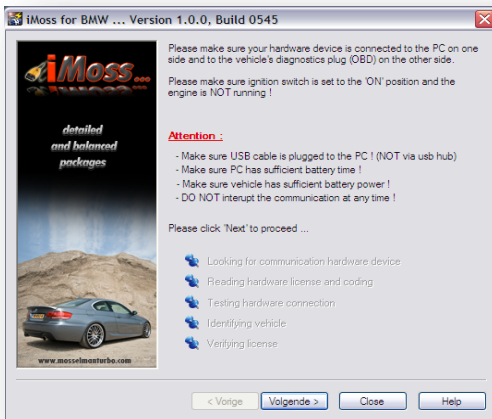
Attention! Be sure to have enough battery level in your car battery and in your PC/laptop during reading and/or programming the ECU file. Switch off all functions consuming energy (like lights, radio, airco...). It is highly recommended to use a power supply for both your car and your PC/laptop if your car ECU requires a long reading time (check list of estimated times at page 17-18).



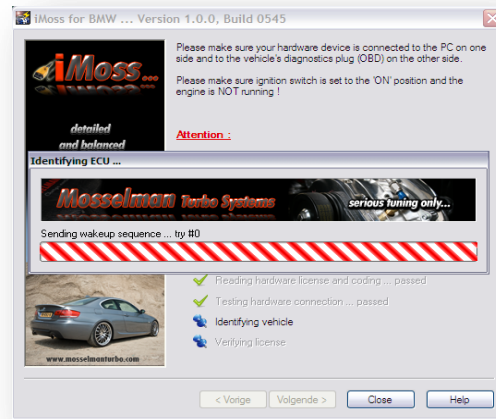
s1. Read the software disclaimer, click the **I agree** button and click **Next**.



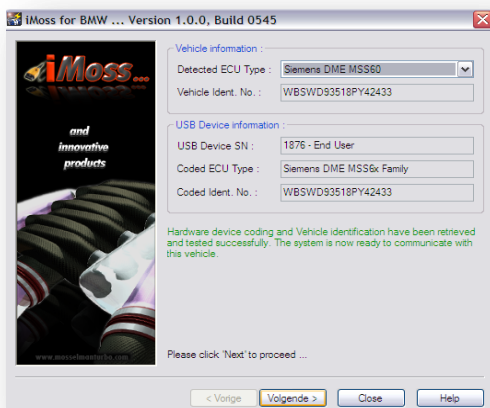
s2. The specifications of your PC/laptop are checked here to guarantee problem-free operation. Click **Next**.



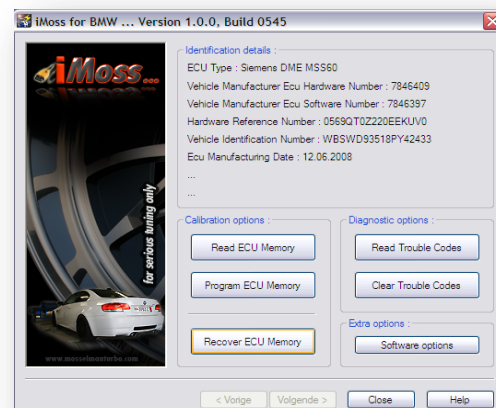
s3. Follow the instruction on the screen (make sure your hardware device is connected to the PC on one side and to the vehicle's diagnostic plug OBD on the other side, and make sure ignition switch is set to the ON position and the engine is NOT running!) and click **Next**.



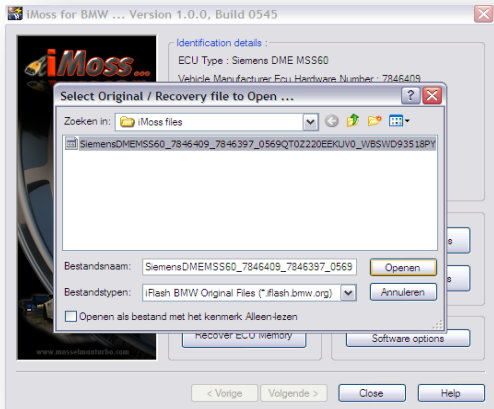
s4. iMoss starts identifying your car ECU and VIN (chassis number), this takes approximately 20 seconds. The next window will appear automatically.



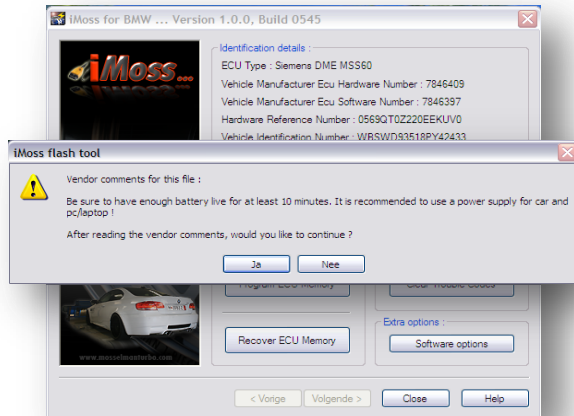
s5. The system is now ready to communicate. Click **Next**.



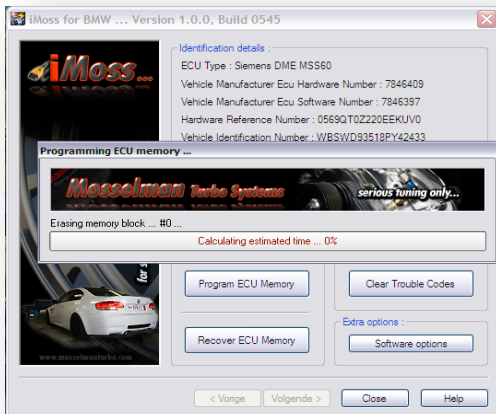
s6. Click the **Recover ECU Memory** button.



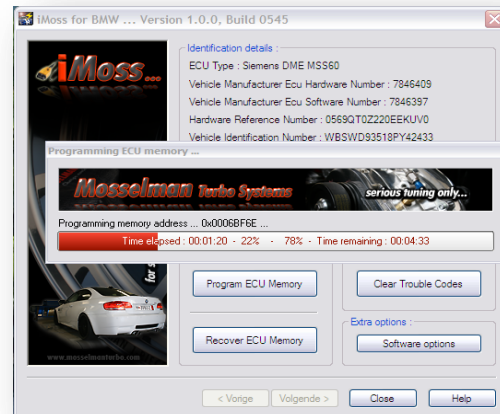
s7. Select the original file (extension iflash.org) and click **Open**.



s8. Read the vendor comments, make sure to apply them and then click **Yes**.



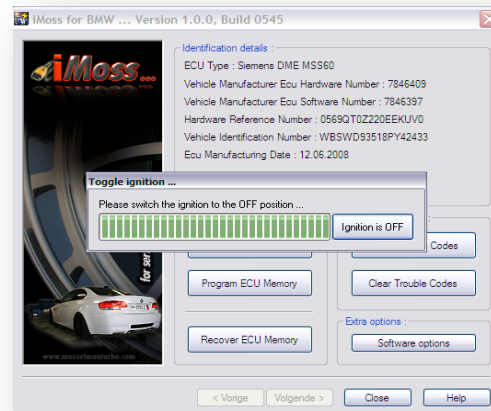
s9. iMoss is now erasing the memory block to make space for the new remap. It is normal to see malfunctions in the screen of your car during this process (ESP, tyre pressure, gear box, etc...). Wait.



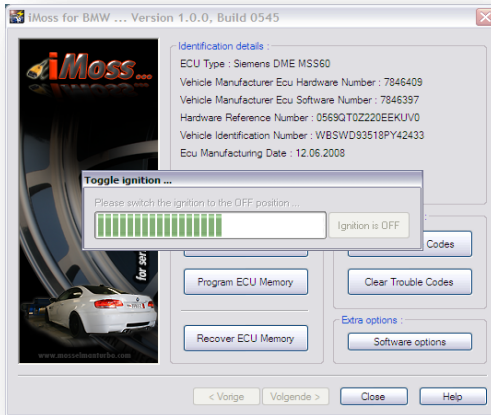
s10. iMoss is now programming the new remap, 4 minutes and 33 seconds to be completed..



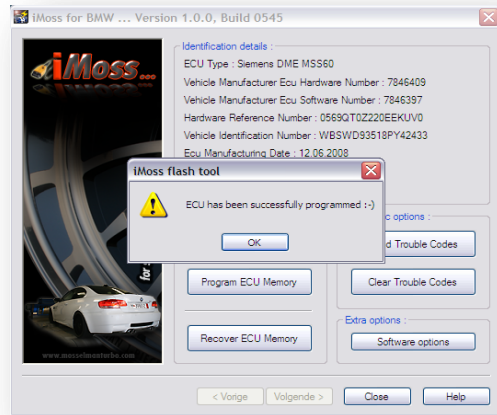
s11. ...10 seconds, wait.



s12. Switch ignition to the OFF position then click Ignition OFF button.



s13. Wait a moment.



s14. The programming is completed, ECU has been successfully programmed. Click **OK**. You can close the program and unplug iMoss.

Car ECU specifications list

Car type	ECU type	Reading data type		Reading	Programming
		Calibration data only	Full program + calibration data	Estimated time (hour:min:sec)	Estimated time (hour:min:sec)
BMW 118d E81	EDC16	✓		0:10:00	0:04:00
BMW 120d E81	EDC16	✓		0:10:00	0:04:00
BMW 125i E82	MSD80/MSD81		✓	1:10:00	0:08:00
BMW 135i E81	MSD80/MSD81		✓	1:10:00	0:08:00
BMW 318d E46	EDC16	✓		0:10:00	0:04:00
BMW 318d E90	EDC16	✓		0:10:00	0:04:00
BMW 320d E46	EDC16	✓		0:10:00	0:04:00
BMW 320d E90	EDC16	✓		0:10:00	0:04:00
BMW 320i E46	MS42/MS43	✓		0:06:00	0:04:00
BMW 323i E46	MS42/MS43	✓		0:06:00	0:04:00
BMW 325d E90	EDC16	✓		0:10:00	0:04:00
BMW 325i E46	MS43	✓		0:06:00	0:04:00
BMW 325i E9x	MSD80/MSD81		✓	1:10:00	0:08:00
BMW 325xi E46	MS43	✓		0:06:00	0:04:00
BMW 328i E46	MS42/MS43	✓		0:06:00	0:04:00
BMW 330d E46	EDC16	✓		0:10:00	0:04:00
BMW 330d E9x	EDC16	✓		0:10:00	0:04:00
BMW 330i E46	MS43	✓		0:06:00	0:04:00
BMW 335d E90	EDC16	✓		0:10:00	0:04:00
BMW 335i E90/91	MSD80/MSD81		✓	1:10:00	0:08:00
BMW 520d E60	EDC16	✓		0:10:00	0:04:00
BMW 525d E60	EDC16	✓		0:10:00	0:04:00
BMW 525i/xi E9x	MSD80/MSD81		✓	1:10:00	0:08:00
BMW 530d E39	EDC16	✓		0:10:00	0:04:00
BMW 530d E60	EDC16	✓		0:10:00	0:04:00
BMW 535d E60	EDC16	✓		0:10:00	0:04:00
BMW 635d E63	EDC16	✓		0:10:00	0:04:00

Car type	ECU type	Reading data type		Reading	Programming
		Calibration data only	Full program + calibration data	Estimated time (hour:min:sec)	Estimated time (hour:min:sec)
BMW 730d E65	EDC16	✓		0:10:00	0:04:00
BMW 740d E65	EDC16	✓		0:10:00	0:04:00
BMW M3 E92/93	MSS60		✓	0:35:00	0:05:00
BMW M5 E60 V10	MSS65		✓	0:35:00	0:05:00
BMW M6 E63 V10	MSS65		✓	0:35:00	0:05:00
BMW X3 2.0d	EDC16	✓		0:10:00	0:04:00
BMW X3 3.0d	EDC16	✓		0:10:00	0:04:00
BMW X5 3.0d	EDC16	✓		0:10:00	0:04:00
BMW X5 35d	EDC16	✓		0:10:00	0:04:00
BMW X6 30d	EDC16	✓		0:10:00	0:04:00
BMW X6 35d	EDC16	✓		0:10:00	0:04:00
BMW Z4 35i	MSD80/MSD81		✓	1:10:00	0:08:00
Mini Cooper R50	EMS2K	✓		0:06:00	0:04:00
Mini Cooper S R53	EMS2K	✓		0:06:00	0:04:00
Mini Cooper S R56	MED17.2	✓		0:10:00	0:05:00
Mini One R50	EMS2K	✓		0:06:00	0:04:00

Trouble shooting

- USB device is not recognized or the correct drivers for it cannot be found :
- The car battery died during programming: charge or connect battery(s) to power supply and try to program the original ECU file in the car.
- The remap programming went fine but the car won't start: program your original file back into the car and contact Mosselman Turbo Systems.

ECU list

Reading the ECU file

Some cars take long to read, so need an external power supply to prevent an automatic ignition switch off. In the case of an automatic ignition switch off, iMoss might not be able to finish the ECU reading.

Check the list at page 17-18.

Programming the ECU file

Attention: in the case of a flat battery during programming the ECU could be damaged.

Thank you for purchasing *iMoss flash* tool!

For more information about Mosselman Turbo Systems products and services, visit
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