

Condition:

When replacing an ETACS-ECU variant coding has to be performed.

The variant coding file should be copied from the original ECU before the ECU is replaced. If it's not possible to copy the variant coding file from the original ECU the variant coding file can be obtained from M.U.T.-III because the variant coding files are included in the M.U.T.-III diagnostic software.

In cases where it's not possible to copy the variant coding file and it's also not included in the M.U.T.-III diagnostic software the Dealer should request the correct coding file from his Distributor.

To obtain the correct variant coding file you need to have the VIN and the ECU part number.

-Carry out procedure 1 if an ETACS-ECU is replaced. (Customisation file has to be copied as well from the ETACS-ECU)

-Carry out procedure 2 to store the variant coding file into M.U.T.-III.

Note: Option coding will change the original variant coding file.

If it's not possible to copy the variant coding file and customisation file, you have to do the option coding and customisation again after variant coding has been performed on the new ETACS-ECU.

To perform option coding select following items in M.U.T.-III:

- 1) ETACS
- 2) Coding
- 3) Option Coding

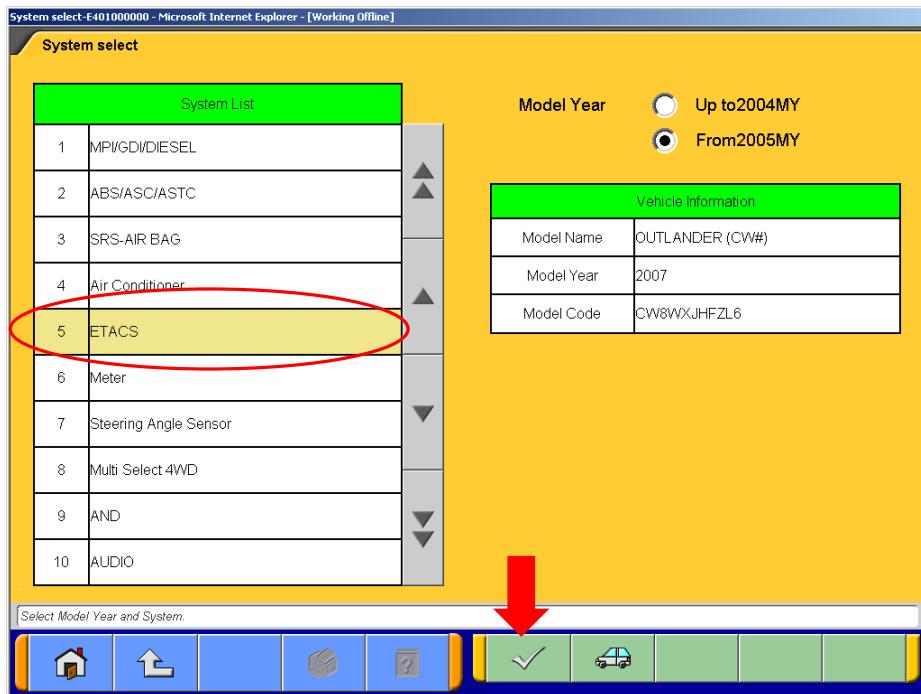
To perform Customisation select following items in M.U.T.-III:

- 1) ETACS
- 2) Special Function
- 3) Customisation

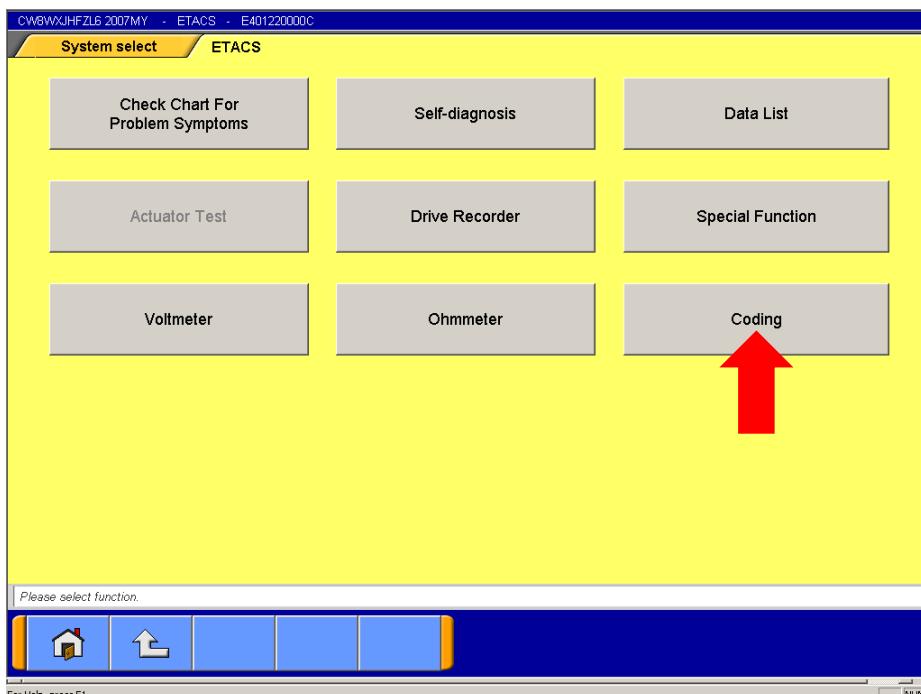
Procedure 1) Variant coding when replacing an ETACS-ECU.

Note: This procedure starts with the existing ECU (the one that is going to be replaced, NOT with the new ECU)

Step 1) Select ETACS (make sure the correct vehicle is chosen in the box "Vehicle Information")



Step 2) Select Coding.

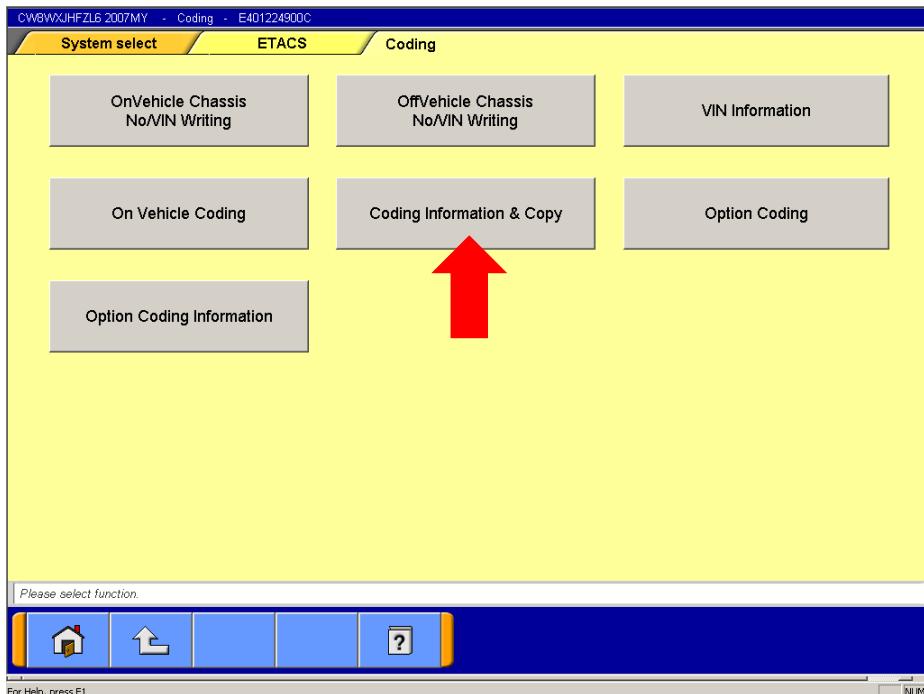


Note: For all technical and or warranty matters, please contact MME, Technical Service.

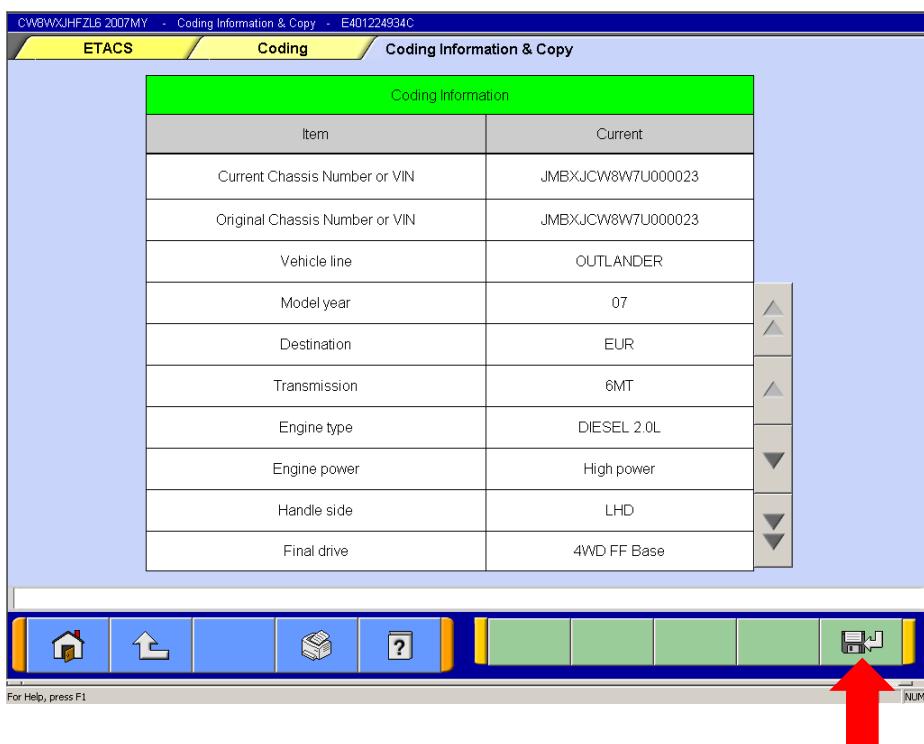
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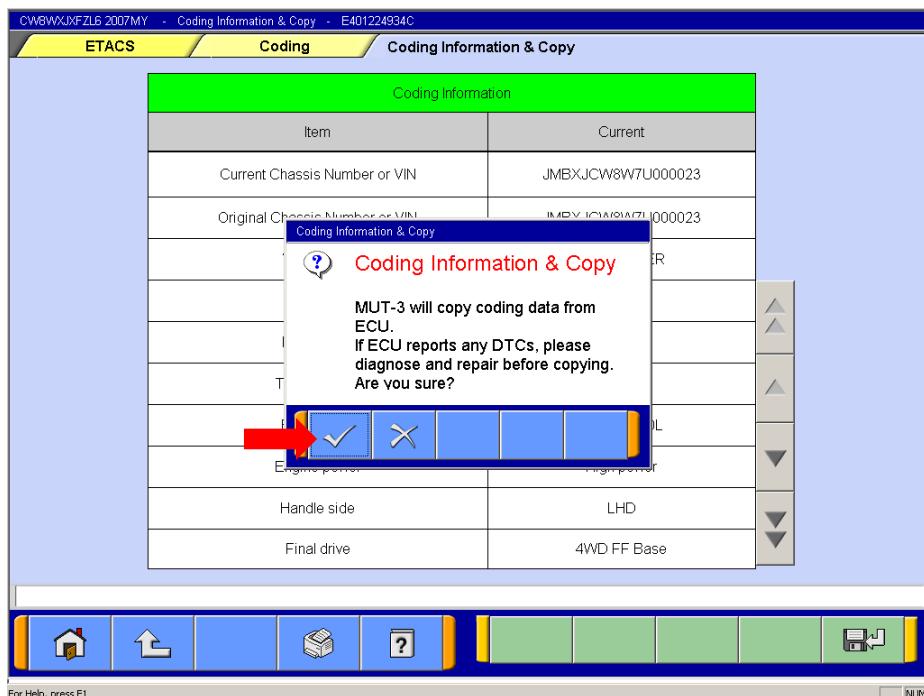
Step 3) Select Coding Information & Copy.



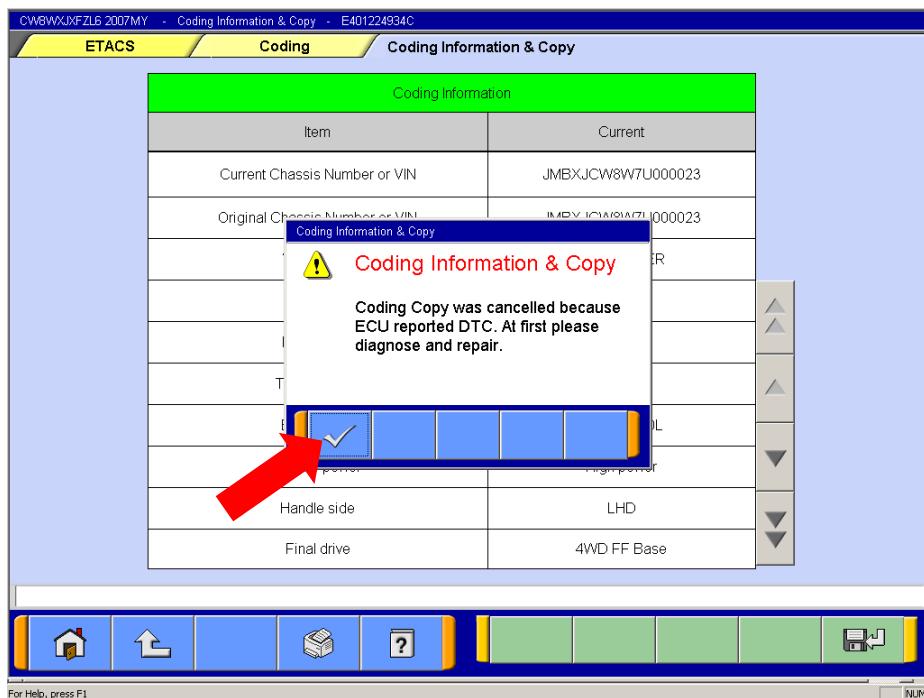
Step 4) Select  to copy the variant coding file from the ECU to M.U.T.-III.



Step 5) Click  button to confirm copy coding.



Note: If below screen appears then first erase/solve any DTC.

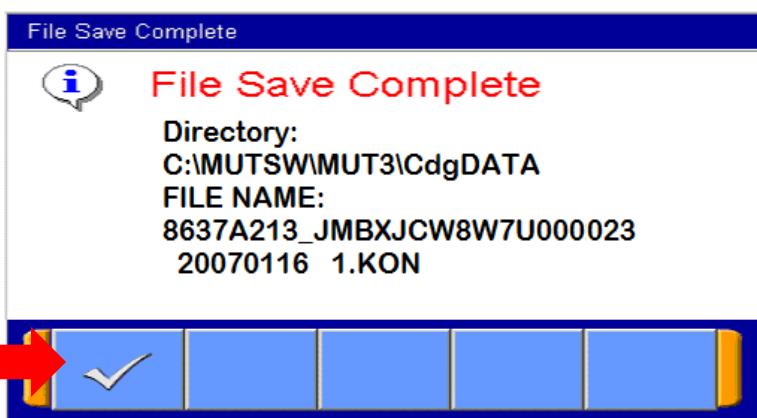


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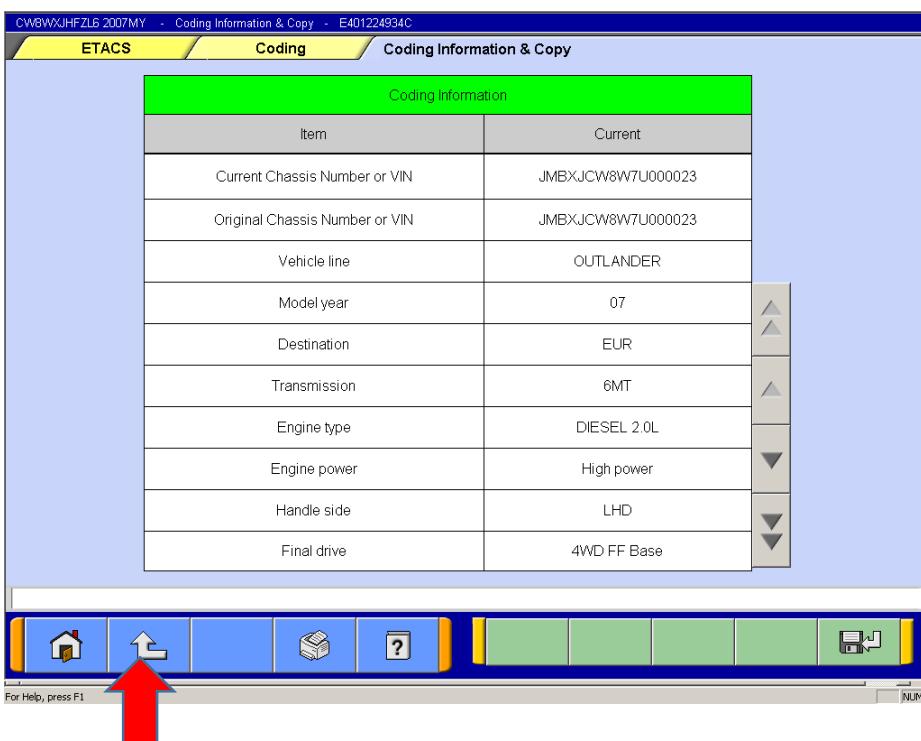
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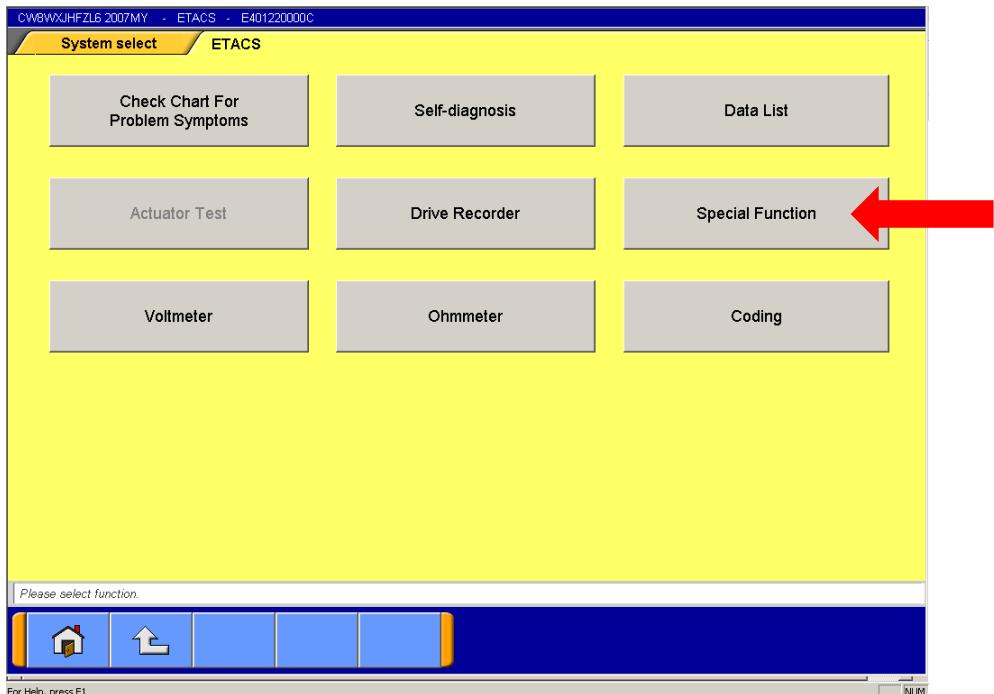
Step 6) If the screen below appears the variant coding file has successfully been copied to M.U.T.-III, click  to continue.



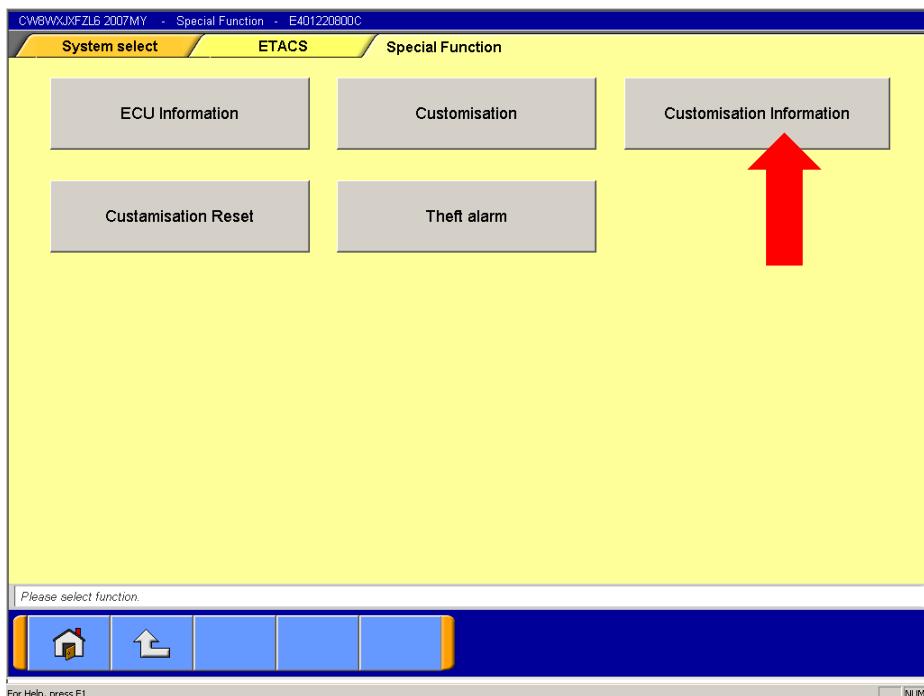
Step 7) Click  2 times to return to the general ETACS screen menu.



Step 8) Select Special Function.



Step 9) Select Customisation Information.

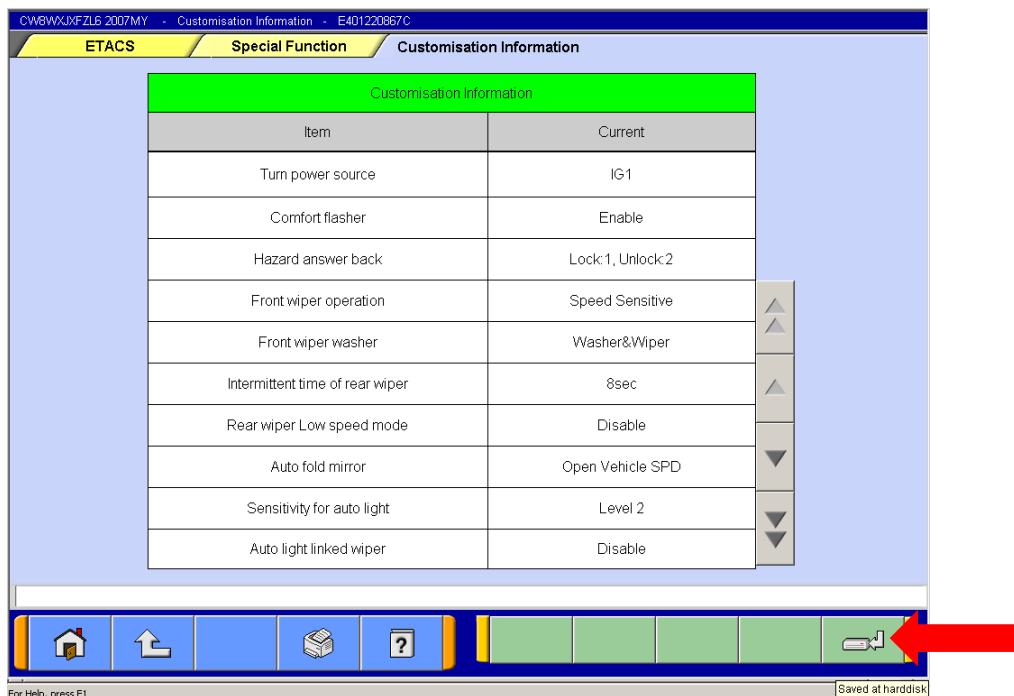


Note: For all technical and or warranty matters, please contact MME, Technical Service.

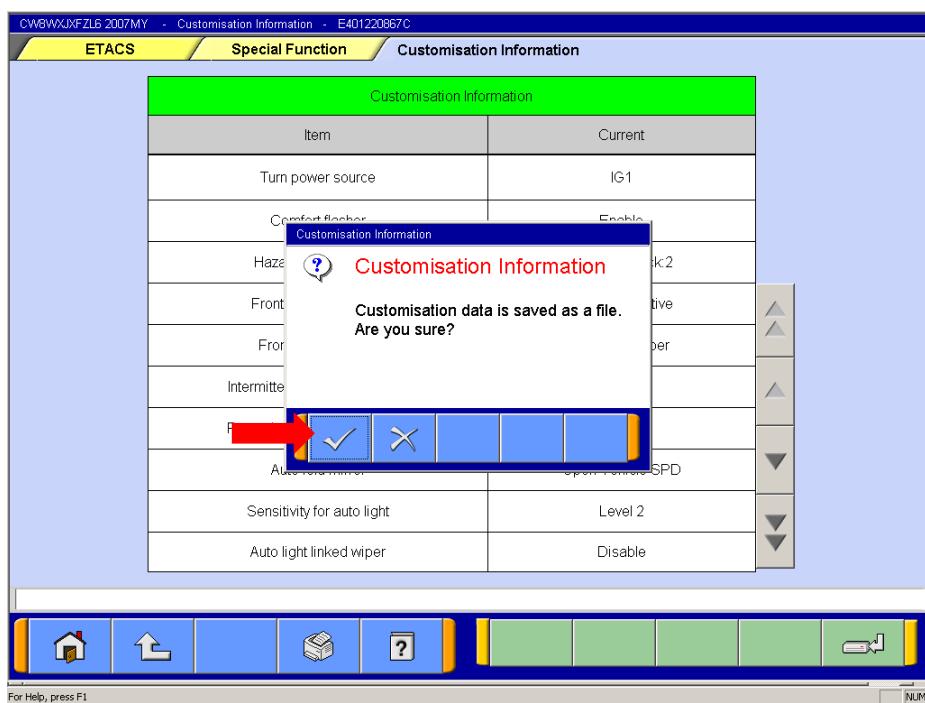
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Step 10) Click  to copy the customisation file from the ECU to M.U.T.-III.



Step 11) Click  button to confirm customisation data is saved.

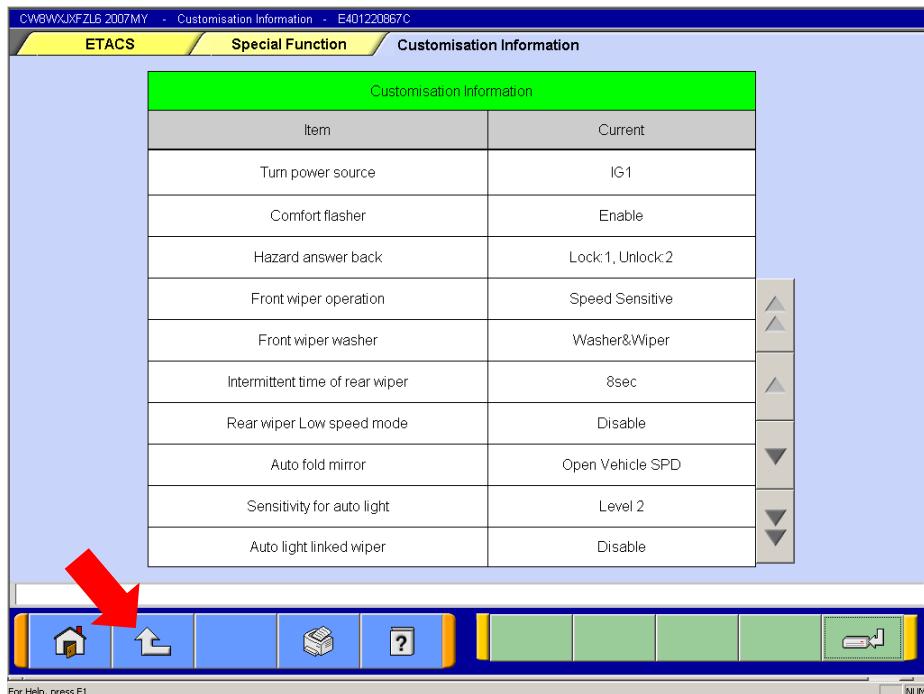


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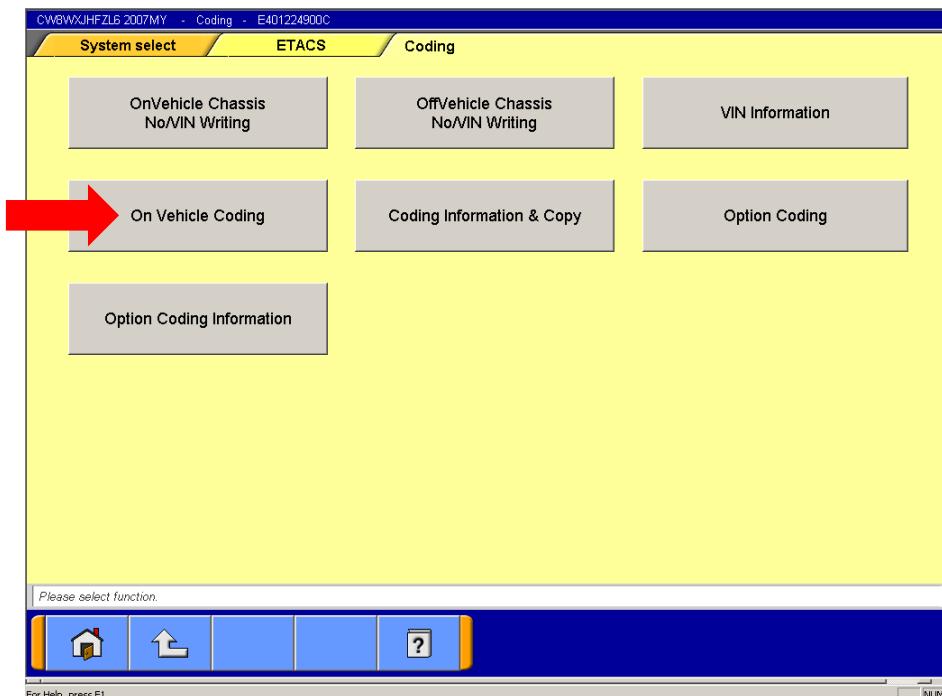
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Step 12) Click  2 times return to the general ETACS screen.



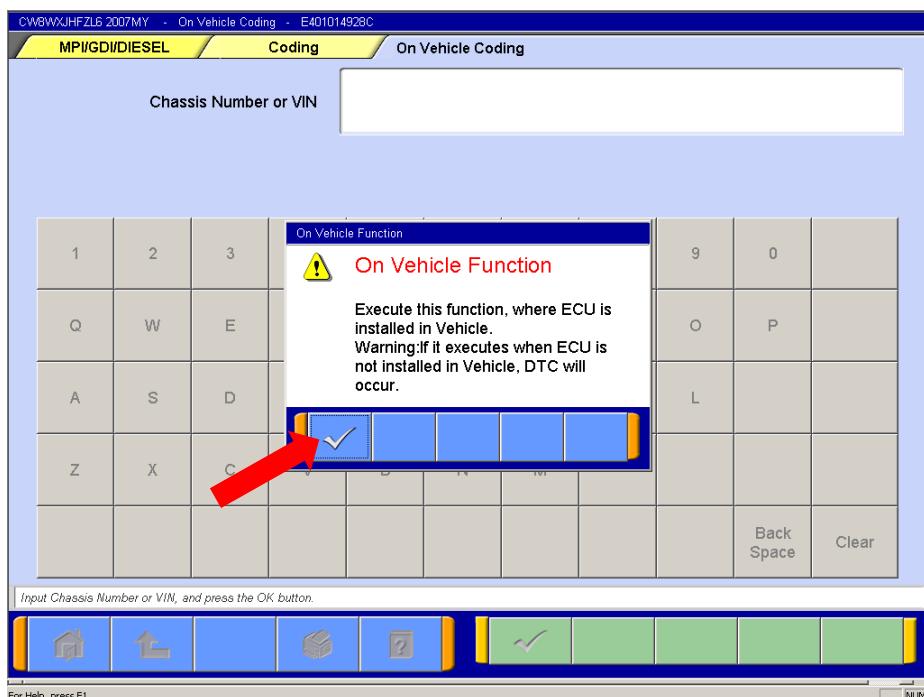
Note: ETACS-ECU can be replaced now. After replacement proceed with step 13.

Step 13) Select On Vehicle Coding. (Follow step 1 and 2 of this procedure to get to M.U.T.-III screen as below)

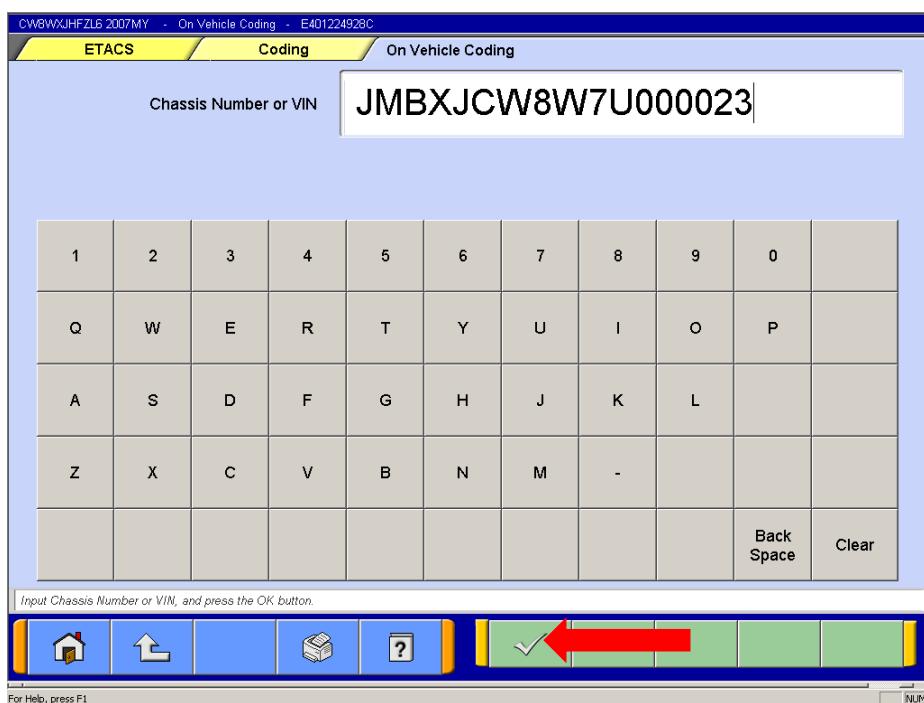


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Step 14) Confirm new ECU is installed by clicking 



Step 15) Enter VIN and click 

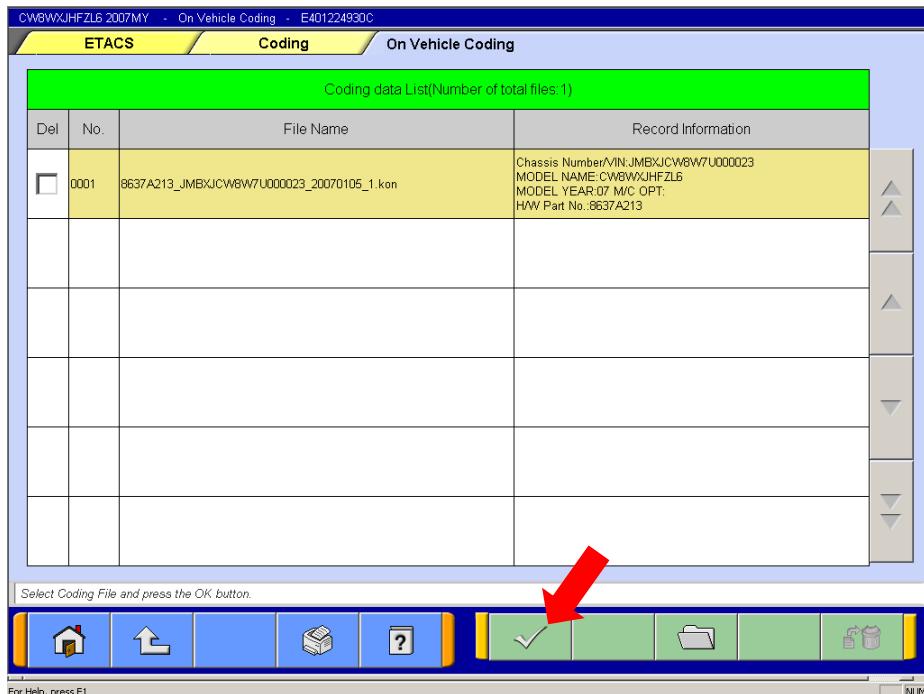


Note: For all technical and or warranty matters, please contact MME, Technical Service.

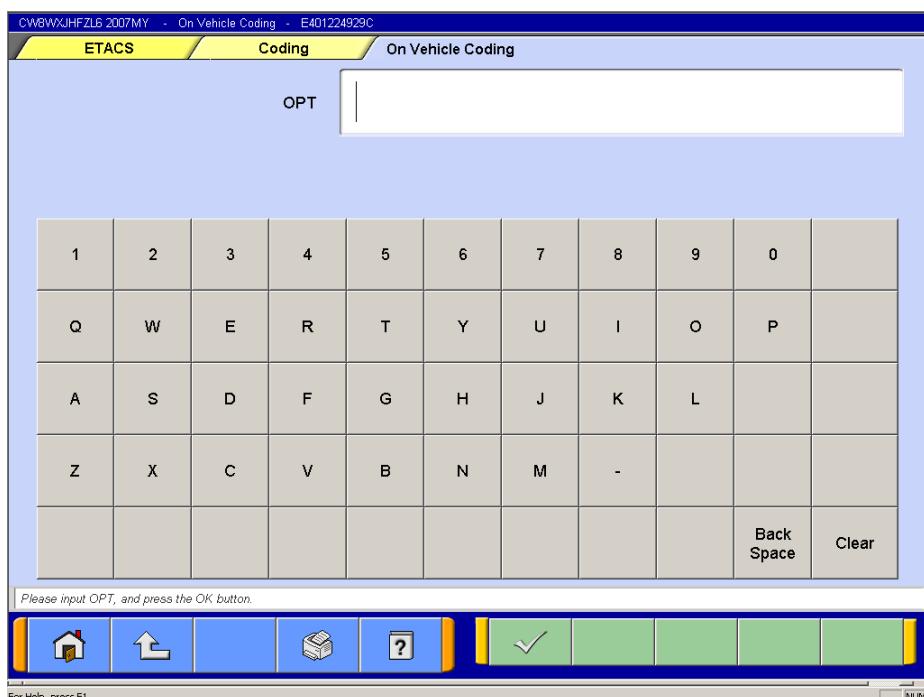
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Step 16) Click  to select the coding file.



Note: If following screen appears instead of the screen mentioned at step 16 the variant coding data file is not available in MUT-III. Follow procedure 3 for installing the variant coding data file in to M.U.T.-III.

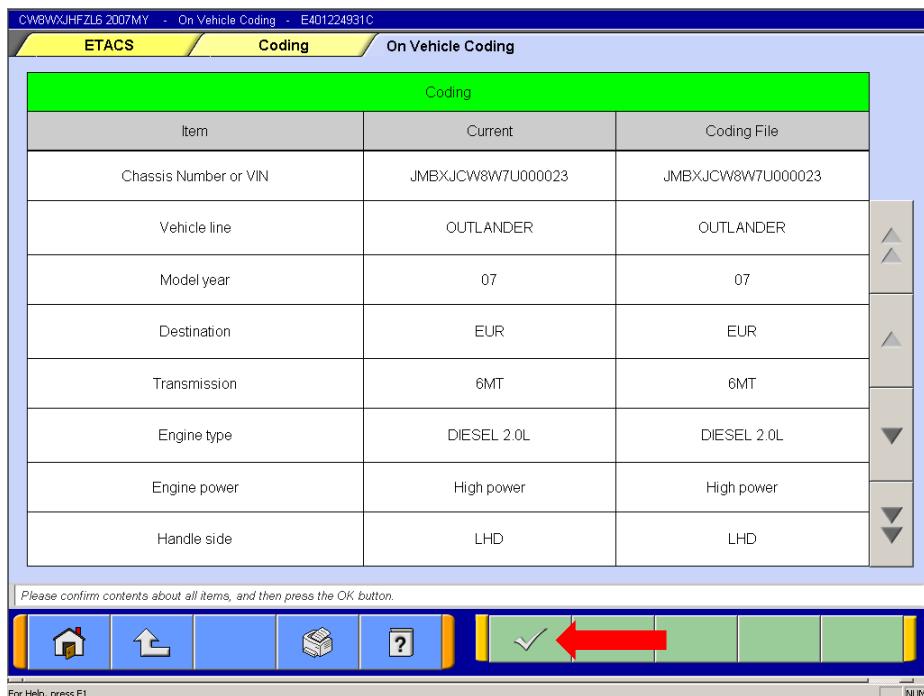


Note: For all technical and or warranty matters, please contact MME, Technical Service.

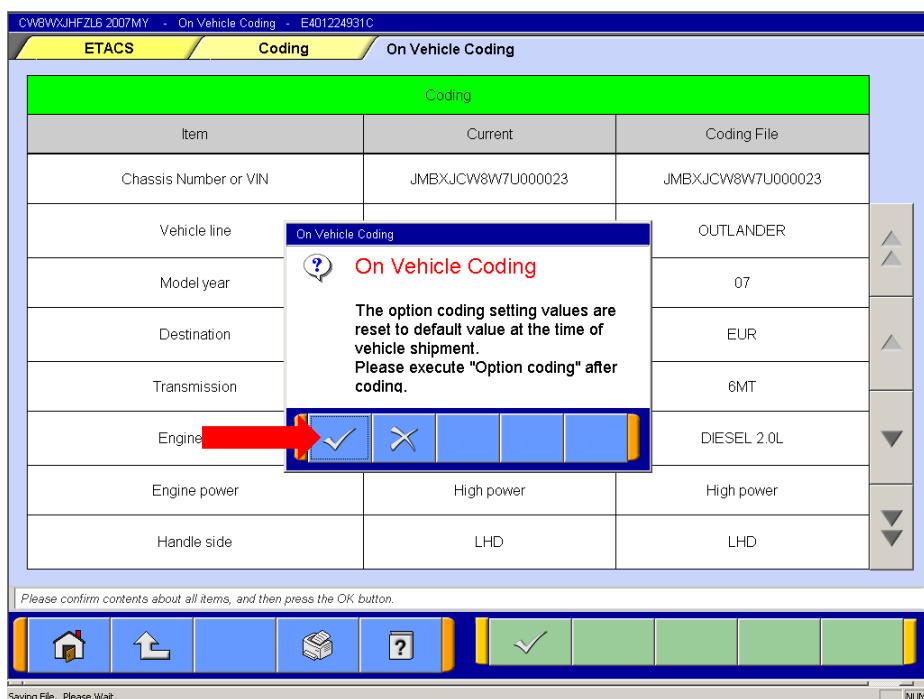
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Step 17) Click  button to start on vehicle coding.



Step 18) Click  button to confirm on vehicle coding.

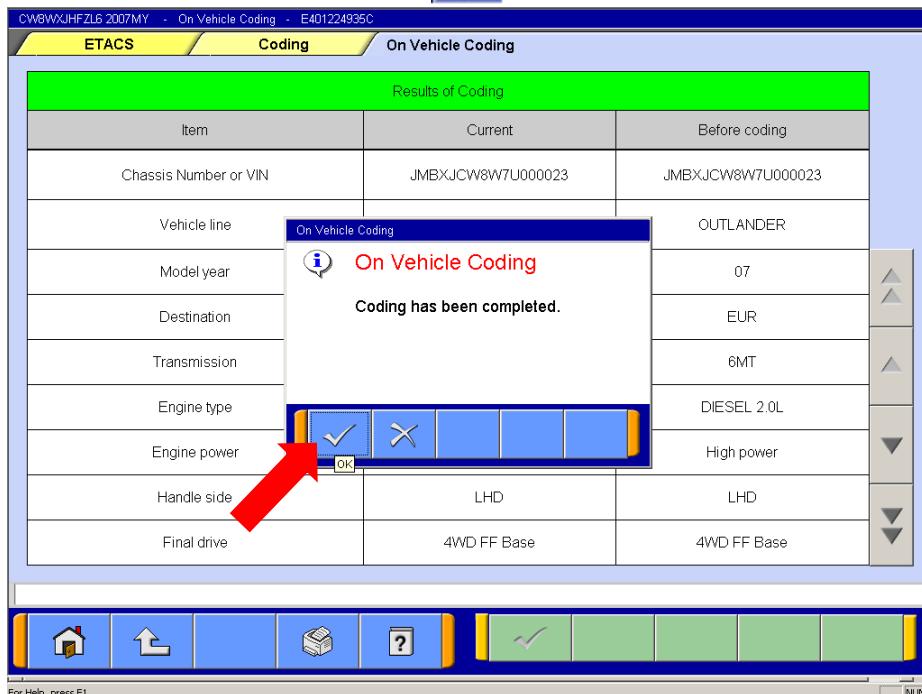


Note: For all technical and or warranty matters, please contact MME, Technical Service.

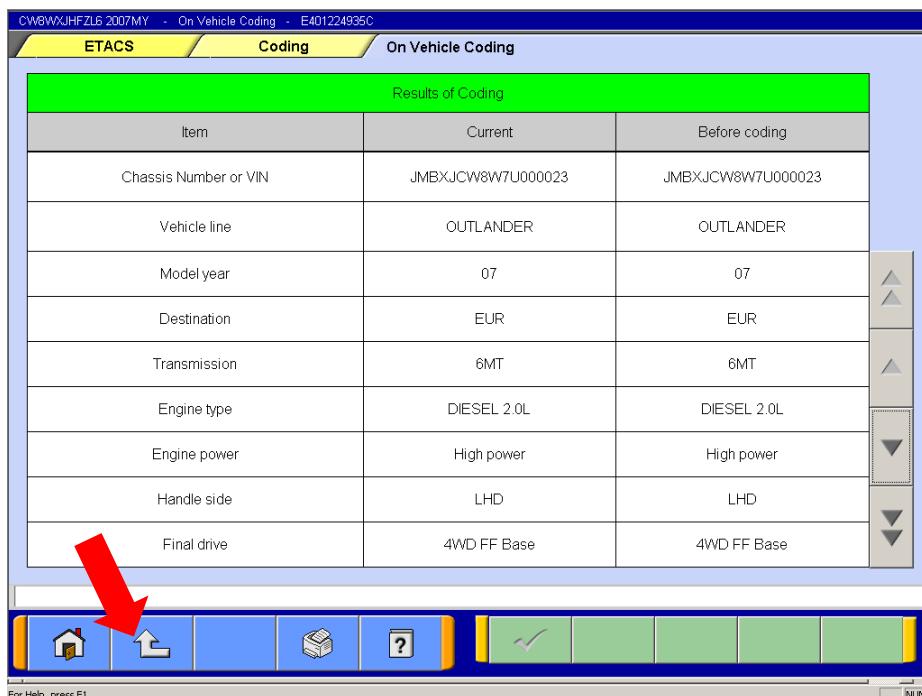
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Step 19) Coding has been completed, click  to continue.



Step 20) Results of coding are being displayed; this is just for your reference.



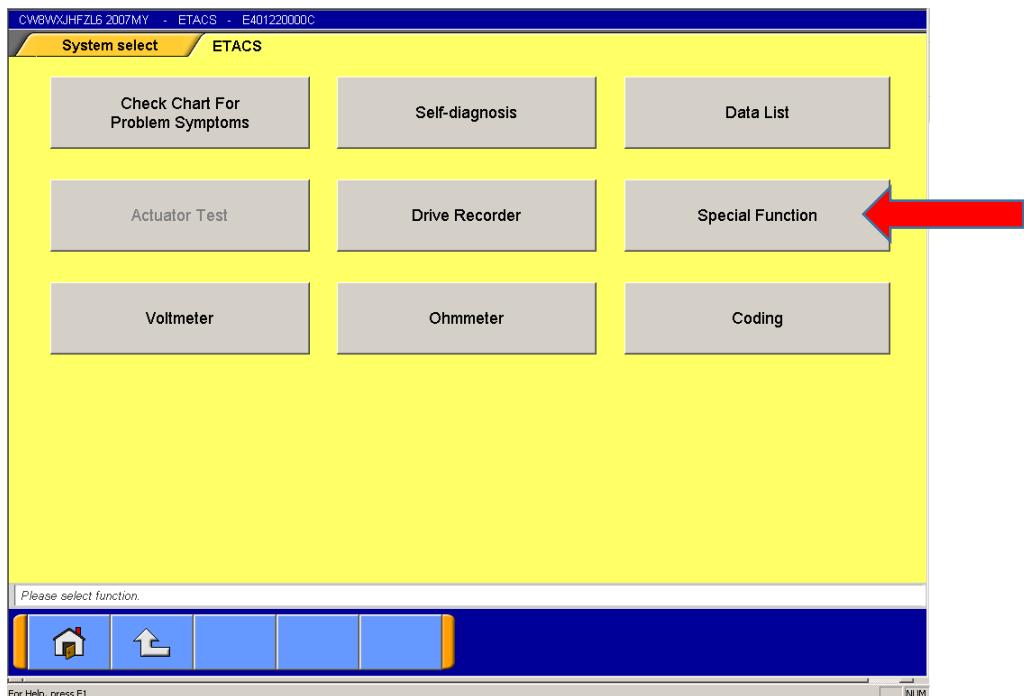
Variant coding has been successfully completed. Click  2 times to return to the general ETACS screen and to continue with customisation.

Note: For all technical and or warranty matters, please contact MME, Technical Service.

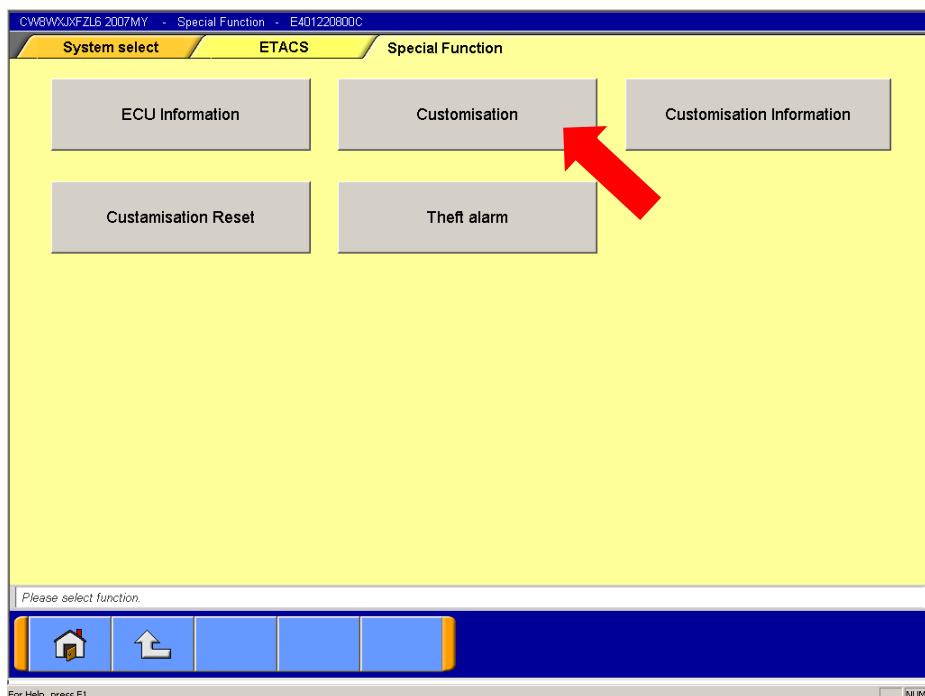
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Step 21) Select Special Function.



Step 22) Select Customisation.

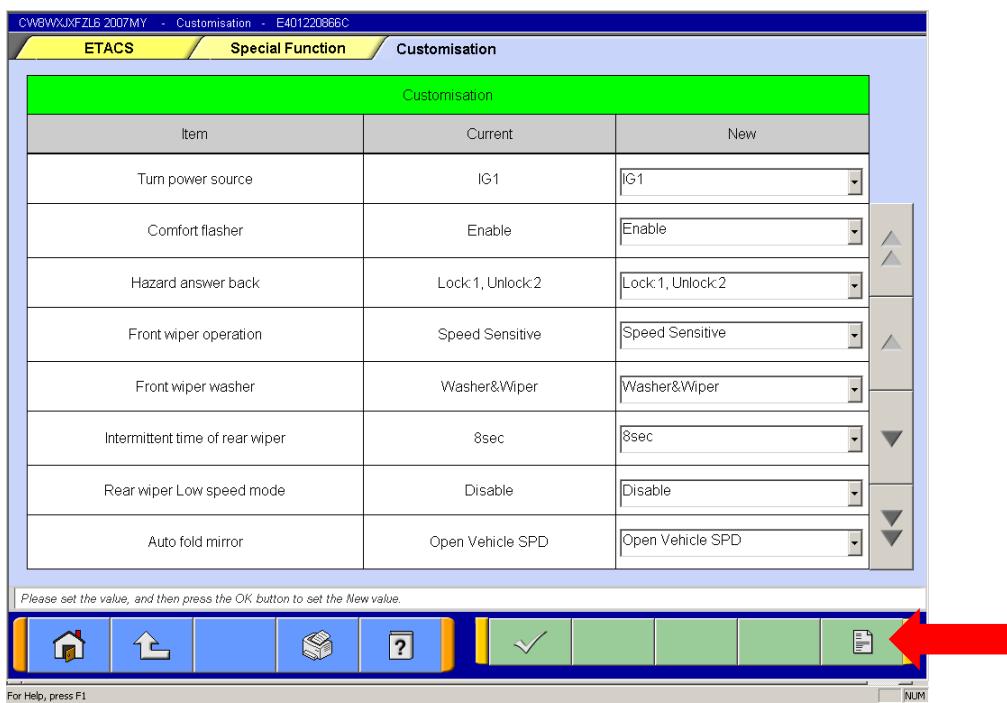


Note: For all technical and or warranty matters, please contact MME, Technical Service.

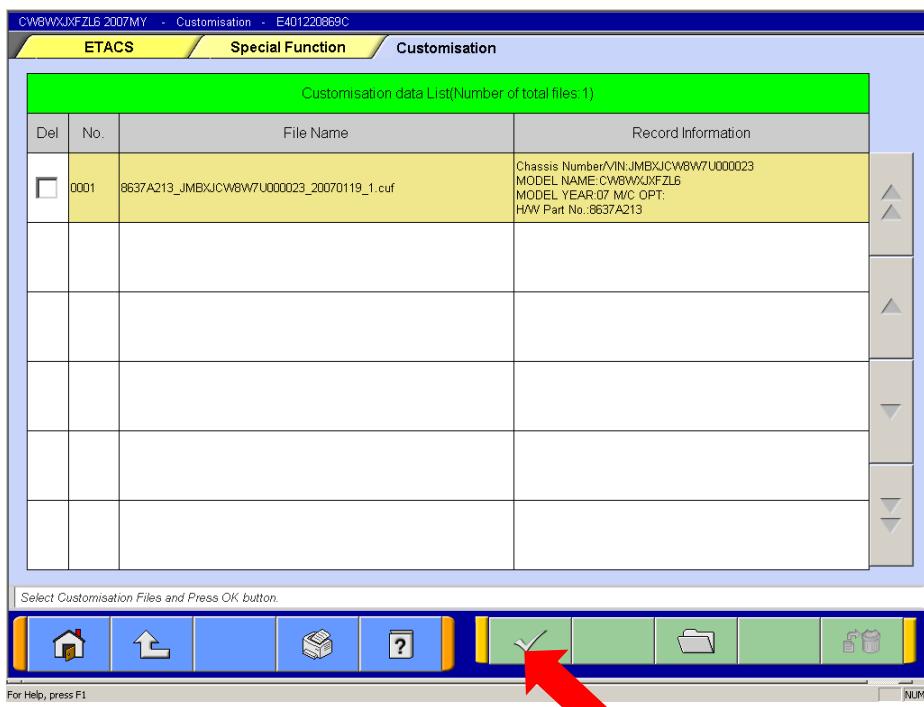
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Step 23) Click  to find the copied customisation file.



Step 24) Click  to select the customisation file.

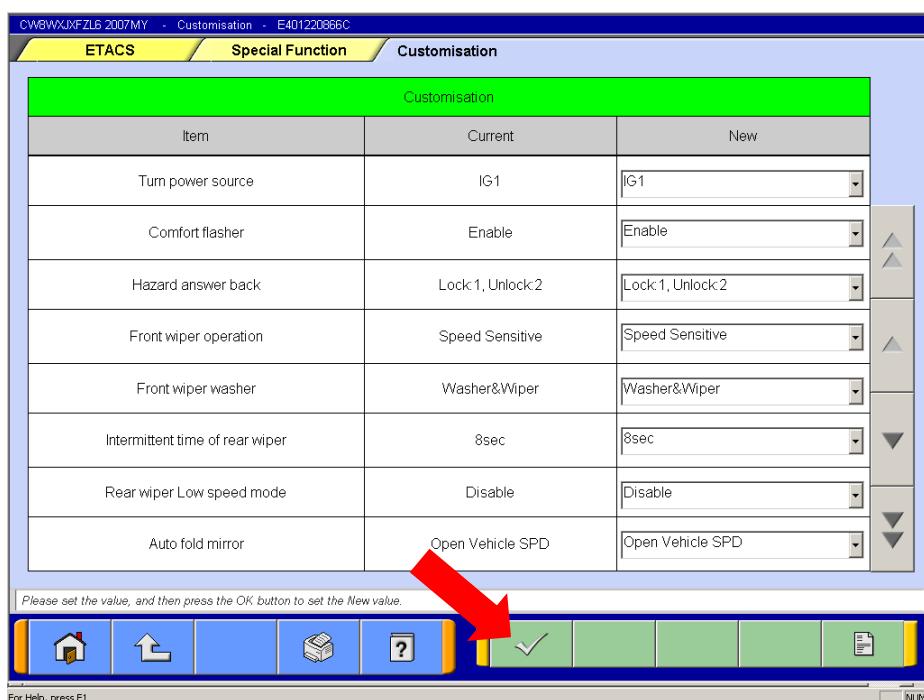


Note: For all technical and or warranty matters, please contact MME, Technical Service.

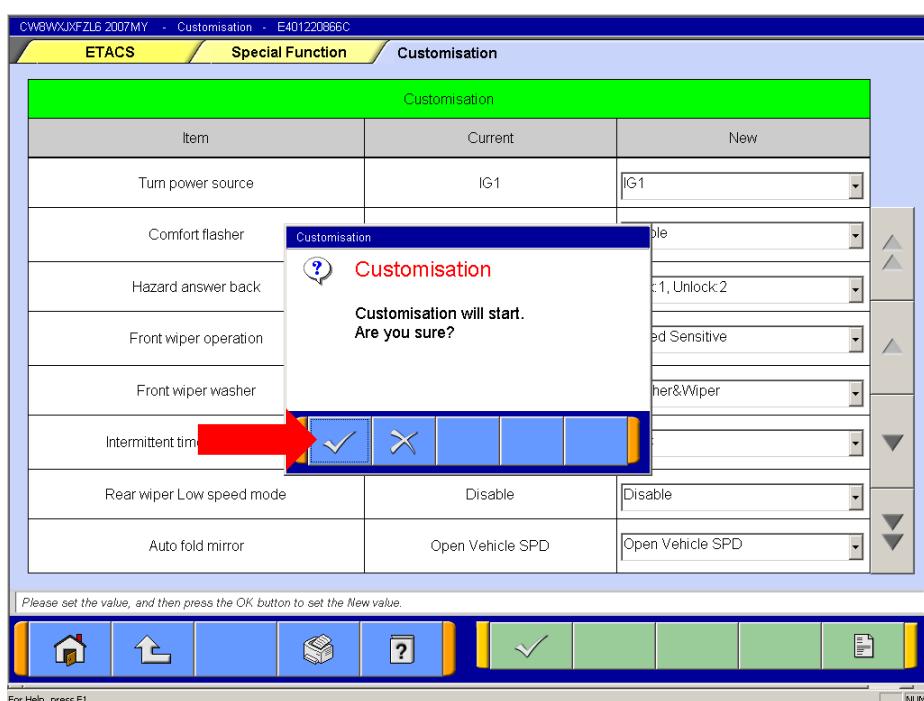
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Step 25) Click  to start customisation.



Step 26) Click  to confirm start of customisation.

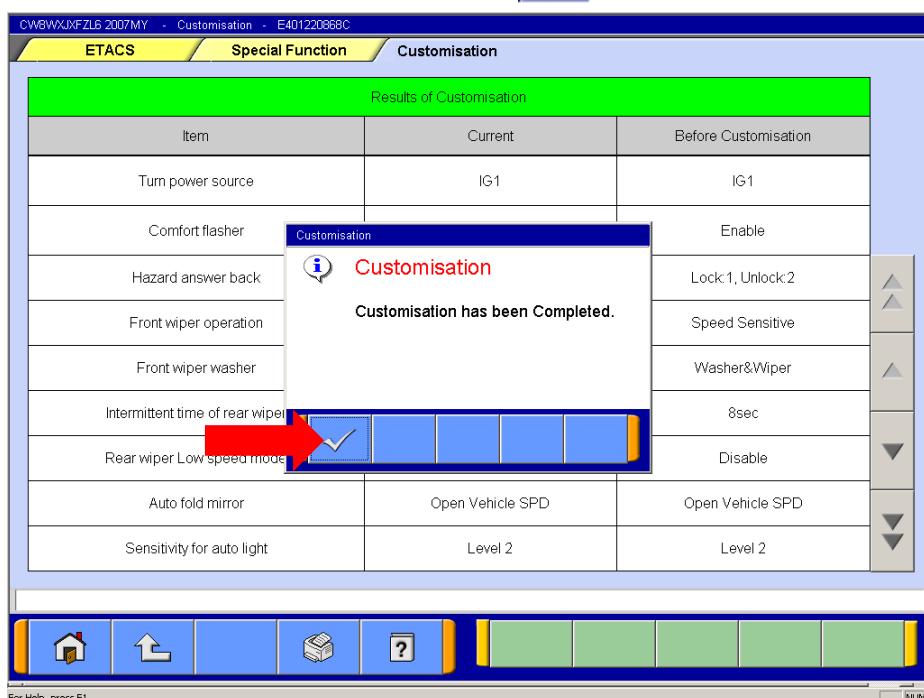


Note: For all technical and or warranty matters, please contact MME, Technical Service.

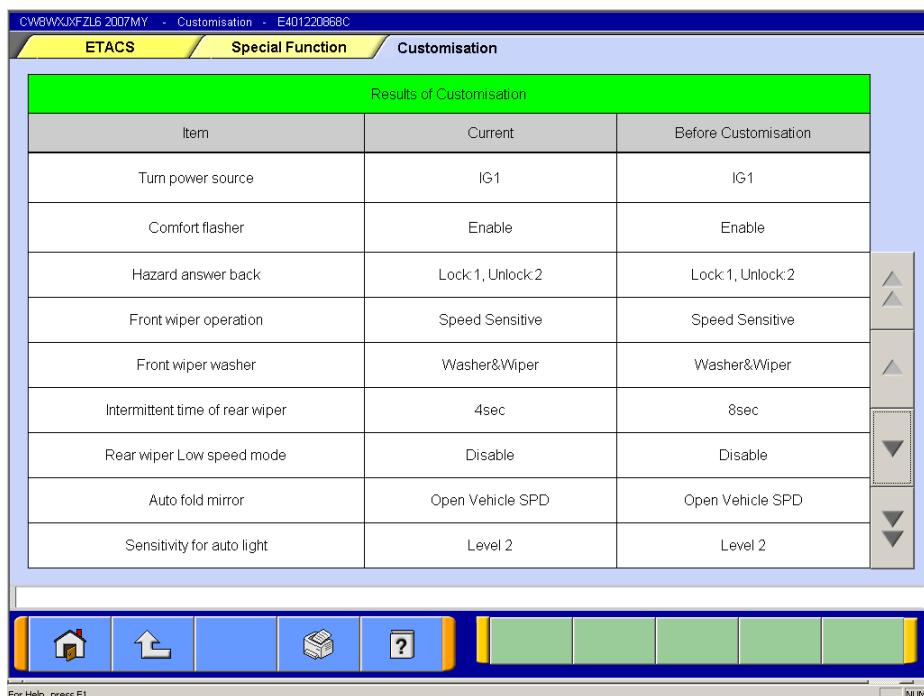
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Step 27) Customisation has been completed, click  to continue.



Step 28) Results of customisation are being displayed; this is just for your reference.



Customisation has been successfully completed.

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Procedure 2) Storing of variant coding file into M.U.T.-III.

Note: Never connect M.U.T.-III to a network.

The variant coding file has to be transferred and stored into the correct folder of the M.U.T.-III. This can be done via memory stick or CD-ROM by using for example Windows Explorer. The location of the folder where the variant coding files have to be stored is: C:\MUTSW\MUT3\CdgData.

Note: The folder CdgData will be automatically produced in M.U.T.-III at the 1st time a coding file has been copied. If the folder doesn't exist it's possible to produce it manually yourself at the above mentioned location.

If you open Windows Explorer the variant coding file can be transferred from the memory stick or CD-ROM by using for example the copy & paste function of Windows.

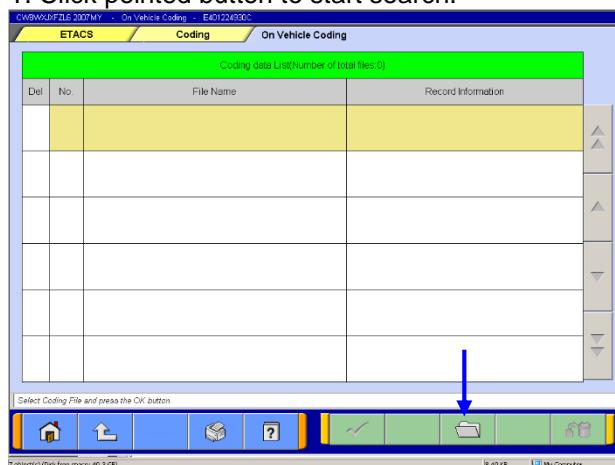
Step 1) Insert the CD-ROM or connect the memory stick with the variant coding data file.

Step 2) Open Windows Explorer.

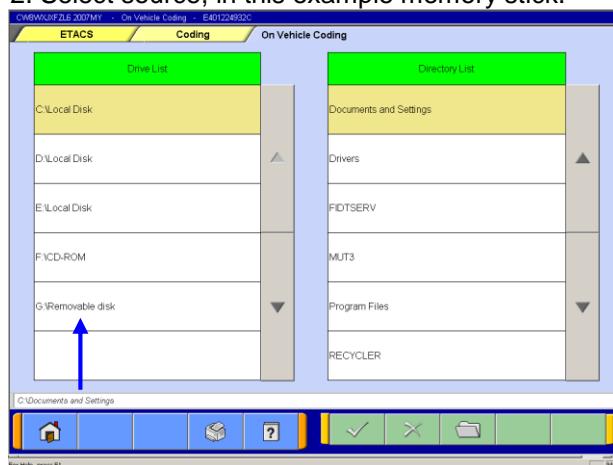
Step 3) Locate the variant coding files on the memory stick or CD-ROM and copy them by using the copy & paste function of Windows to the folder C:\MUTSW\MUT3\CdgData.

It is also possible to select the variant coding file direct from memory stick or CD-ROM during performing variant coding with M.U.T.-III; we refer to the steps below.

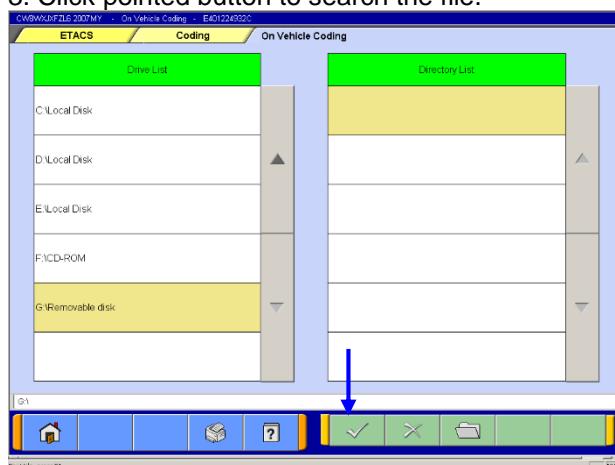
1. Click pointed button to start search.



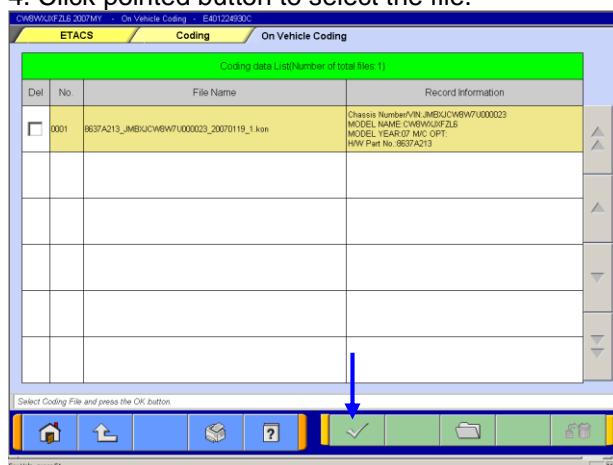
2. Select source, in this example memory stick.



3. Click pointed button to search the file.



4. Click pointed button to select the file.



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