

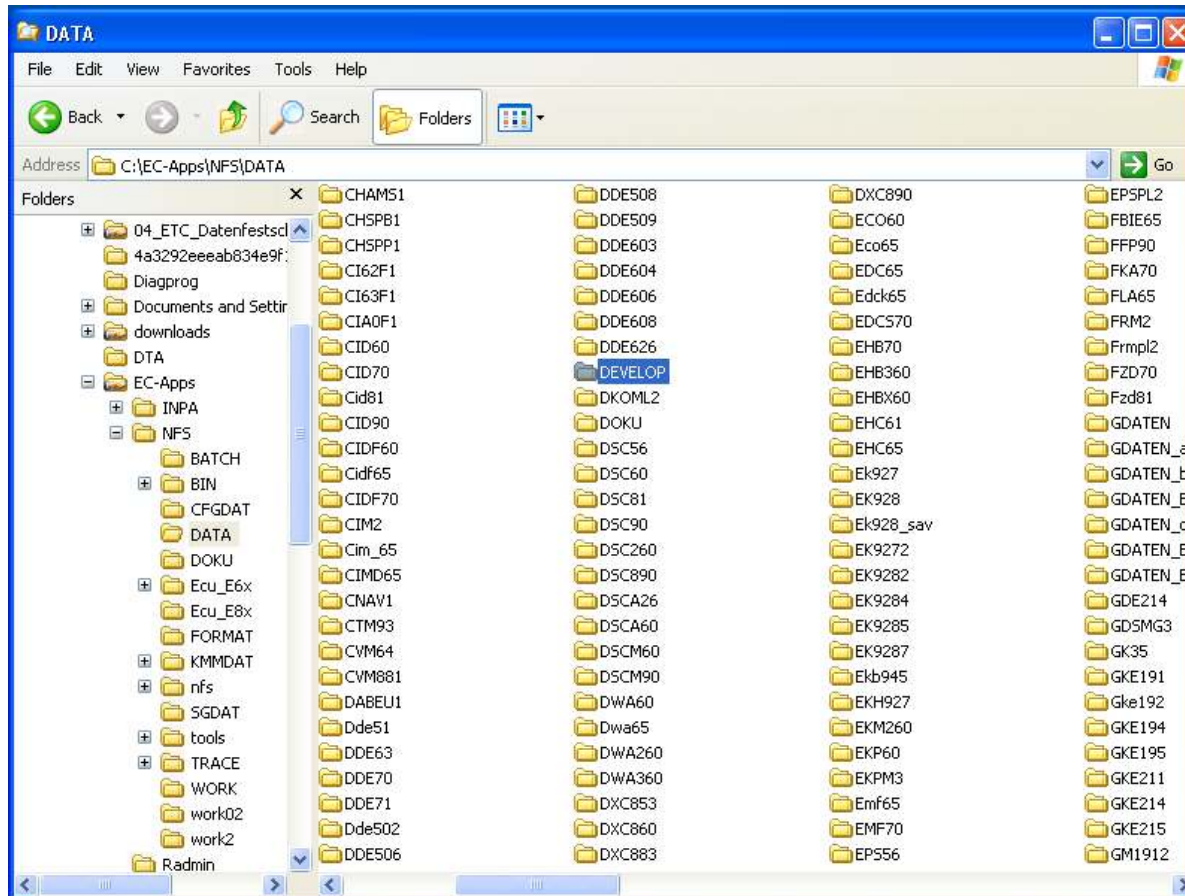
Expert Mode
Programming
V-A-1-0
Mark Marincowitz

BMW Aftersales. Expert Mode Programming

BMW Group



BMW Aftersales. Expert Mode Programming

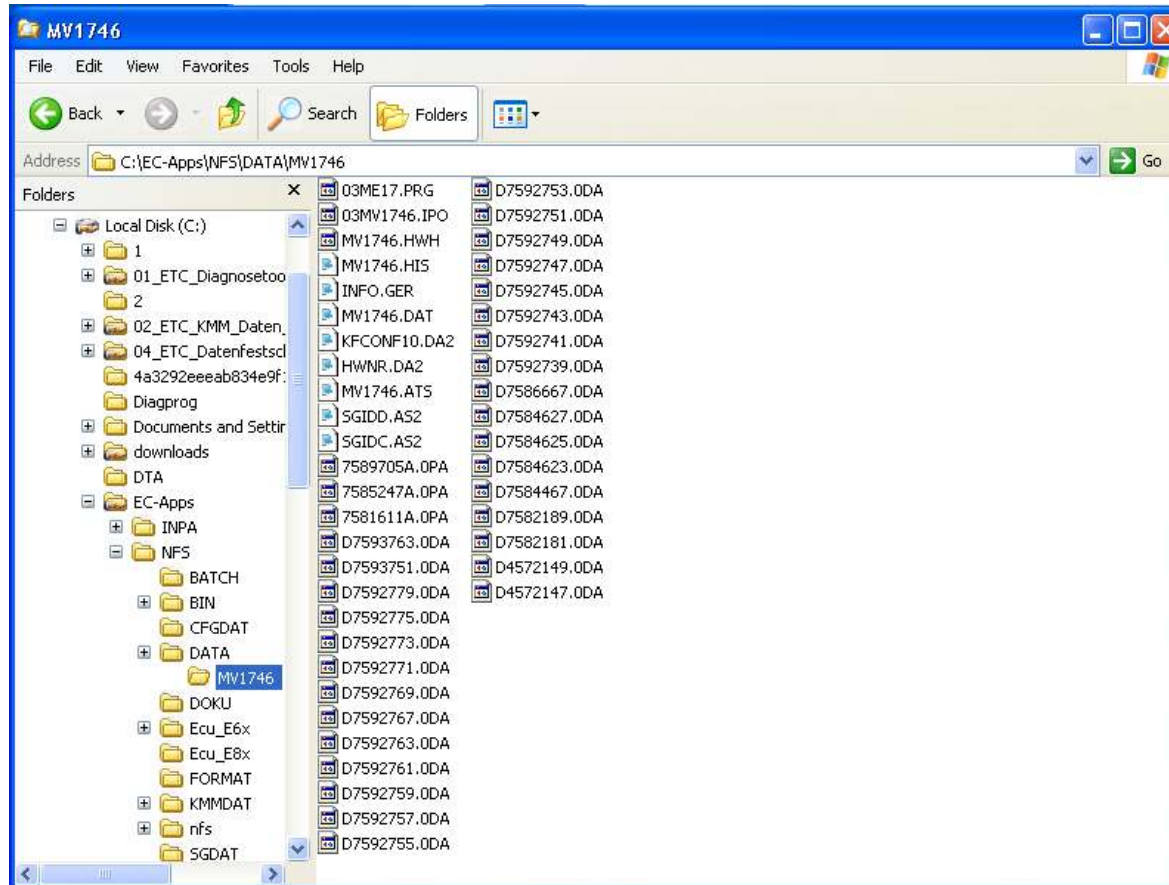


Delete all files in
the Develop folder.

BMW Group



BMW Aftersales. Expert Mode Programming

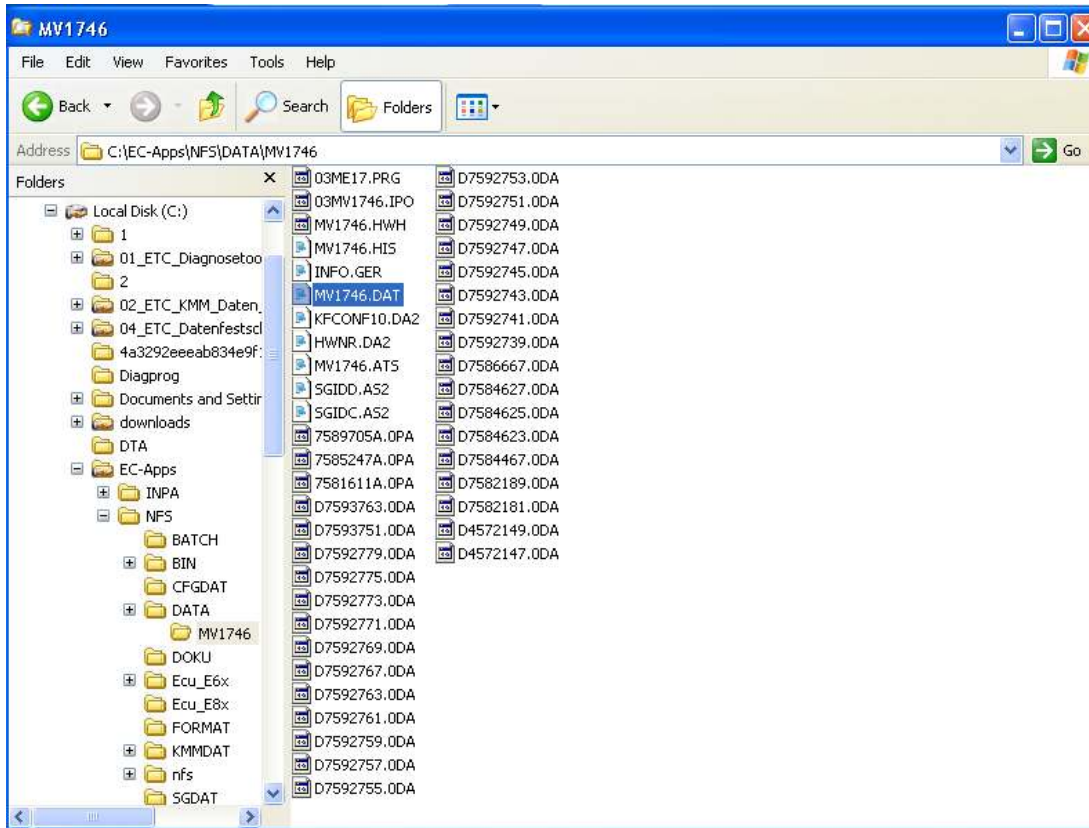


Select the program
data folder in this
case MV1746

BMW Group



BMW Aftersales. Expert Mode Programming

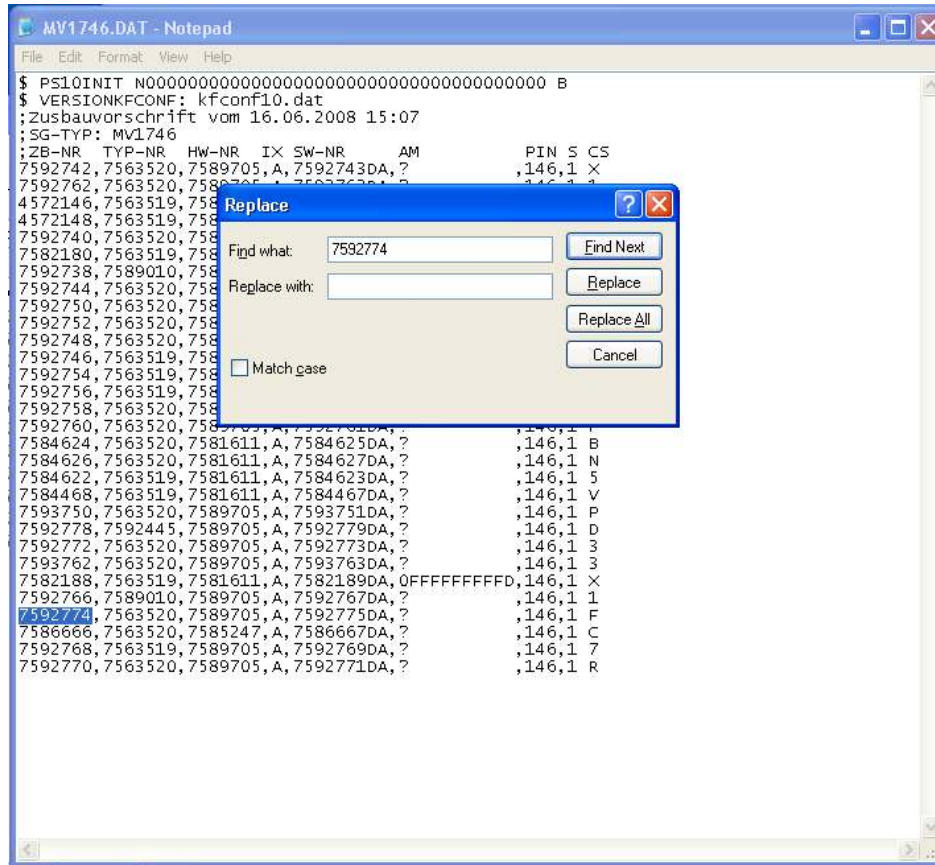


Select the
MV1746.DAT file
open with Notepad

BMW Group



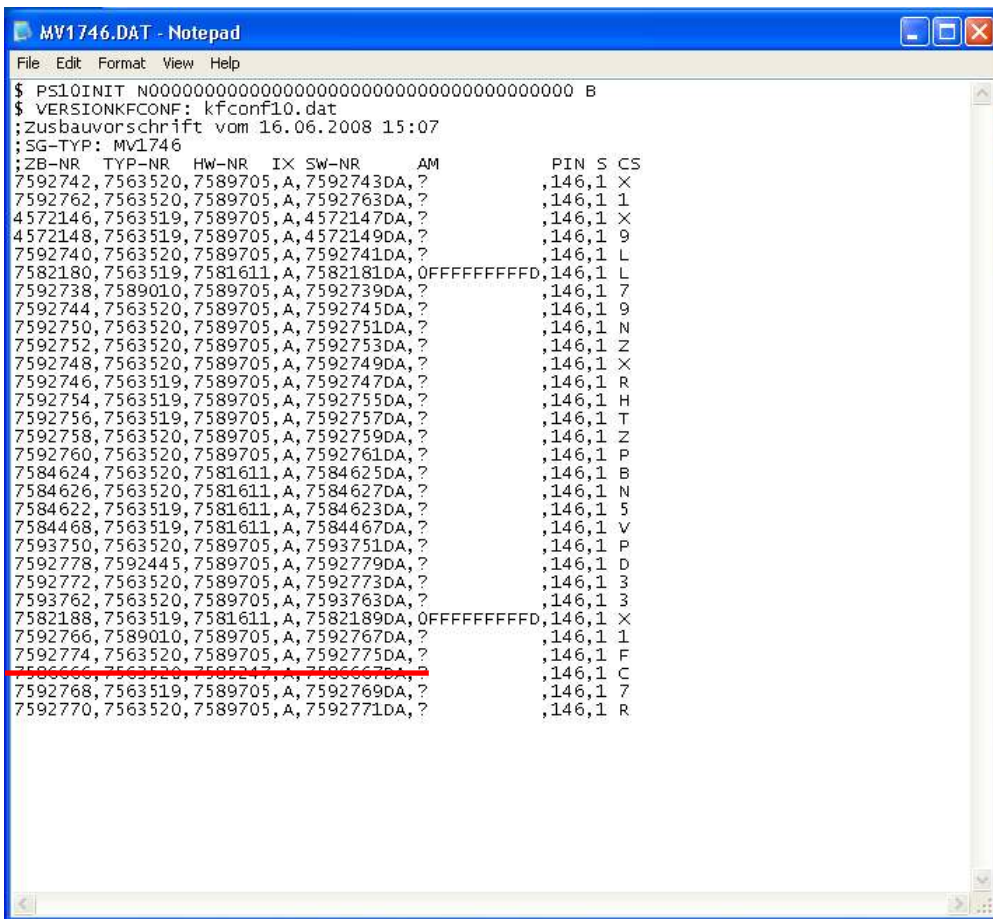
BMW Aftersales. Expert Mode Programming



Press Ctrl + H and search the program number. The program number here is 7592774.



BMW Aftersales. Expert Mode Programming



```

File Edit Format View Help
$ P$10INIT N0000000000000000000000000000000000000000000000000000000 B
$ VERSIONKFCONF: kFconf10.dat
;Zusbauvorschrift vom 16.06.2008 15:07
;SG-TYP: MV1746
;ZB-NR  TYP-NR  HW-NR  IX  SW-NR  AM      PIN S  CS
7592742,7563520,7589705,A,7592743DA,?,   ,146,1 X
7592762,7563520,7589705,A,7592763DA,?,   ,146,1 1
4572146,7563519,7589705,A,4572147DA,?,   ,146,1 X
4572148,7563519,7589705,A,4572149DA,?,   ,146,1 9
7592740,7563520,7589705,A,7592741DA,?,   ,146,1 L
7582180,7563519,7581611,A,7582181DA,0FFFFFFFD,146,1 L
7592738,7589010,7589705,A,7592739DA,?,   ,146,1 7
7592744,7563520,7589705,A,7592745DA,?,   ,146,1 9
7592750,7563520,7589705,A,7592751DA,?,   ,146,1 N
7592752,7563520,7589705,A,7592753DA,?,   ,146,1 Z
7592748,7563520,7589705,A,7592749DA,?,   ,146,1 X
7592746,7563519,7589705,A,7592747DA,?,   ,146,1 R
7592754,7563519,7589705,A,7592755DA,?,   ,146,1 H
7592756,7563519,7589705,A,7592757DA,?,   ,146,1 T
7592758,7563520,7589705,A,7592759DA,?,   ,146,1 Z
7592760,7563520,7589705,A,7592761DA,?,   ,146,1 P
7584624,7563520,7581611,A,7584625DA,?,   ,146,1 B
7584626,7563520,7581611,A,7584627DA,?,   ,146,1 N
7584622,7563519,7581611,A,7584623DA,?,   ,146,1 S
7584468,7563519,7581611,A,7584467DA,?,   ,146,1 V
7593750,7563520,7589705,A,7593751DA,?,   ,146,1 P
7592778,7592445,7589705,A,7592779DA,?,   ,146,1 D
7592772,7563520,7589705,A,7592773DA,?,   ,146,1 3
7593762,7563520,7589705,A,7593763DA,?,   ,146,1 3
7582188,7563519,7581611,A,7582189DA,0FFFFFFFD,146,1 X
7592766,7589010,7589705,A,7592767DA,?,   ,146,1 1
7592774,7563520,7589705,A,7592775DA,?,   ,146,1 F
7586666,7563520,7585247,A,7586667DA,?,   ,146,1 C
7592768,7563519,7589705,A,7592769DA,?,   ,146,1 7
7592770,7563520,7589705,A,7592771DA,?,   ,146,1 R

```

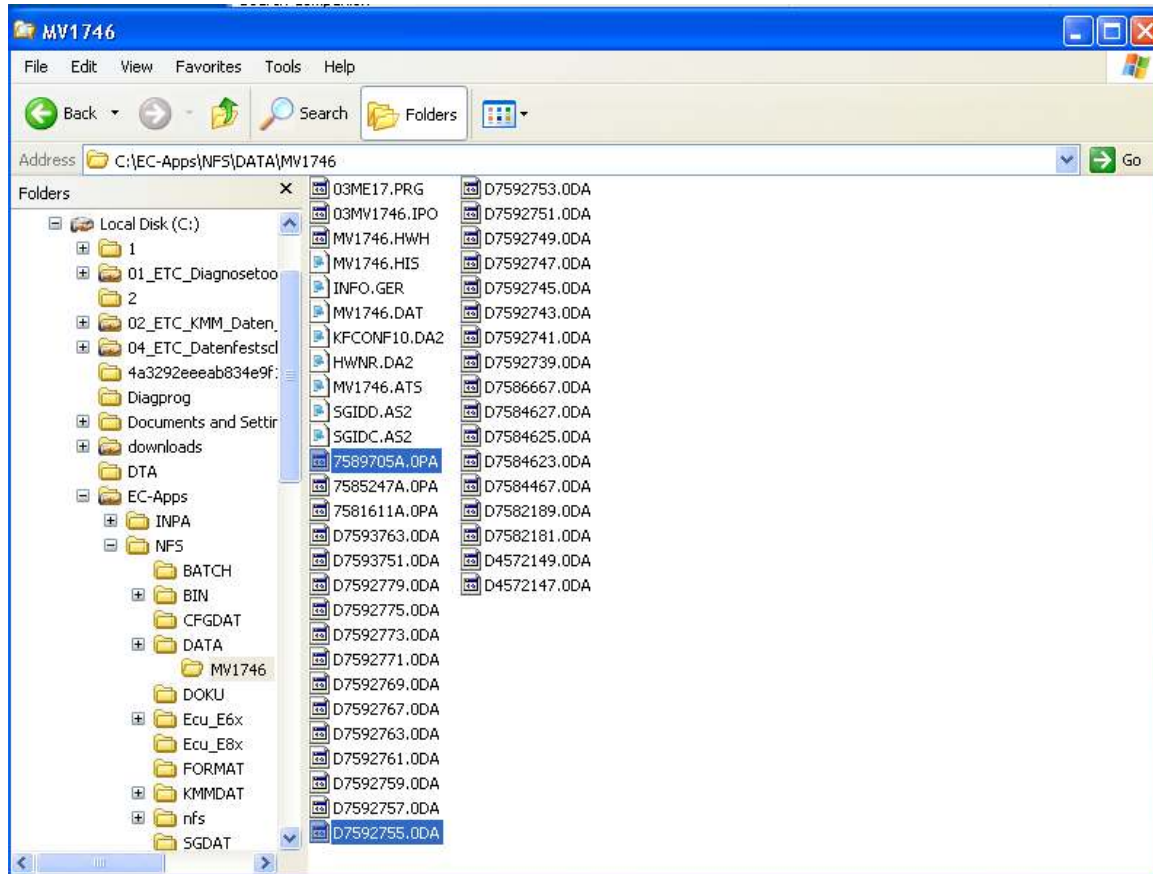
You will then find a line of numbers.

- 1st Program Number
- 2nd Hardware Number
- 3rd Opa Number
- 4th Oda Number

BMW Group



BMW Aftersales. Expert Mode Programming

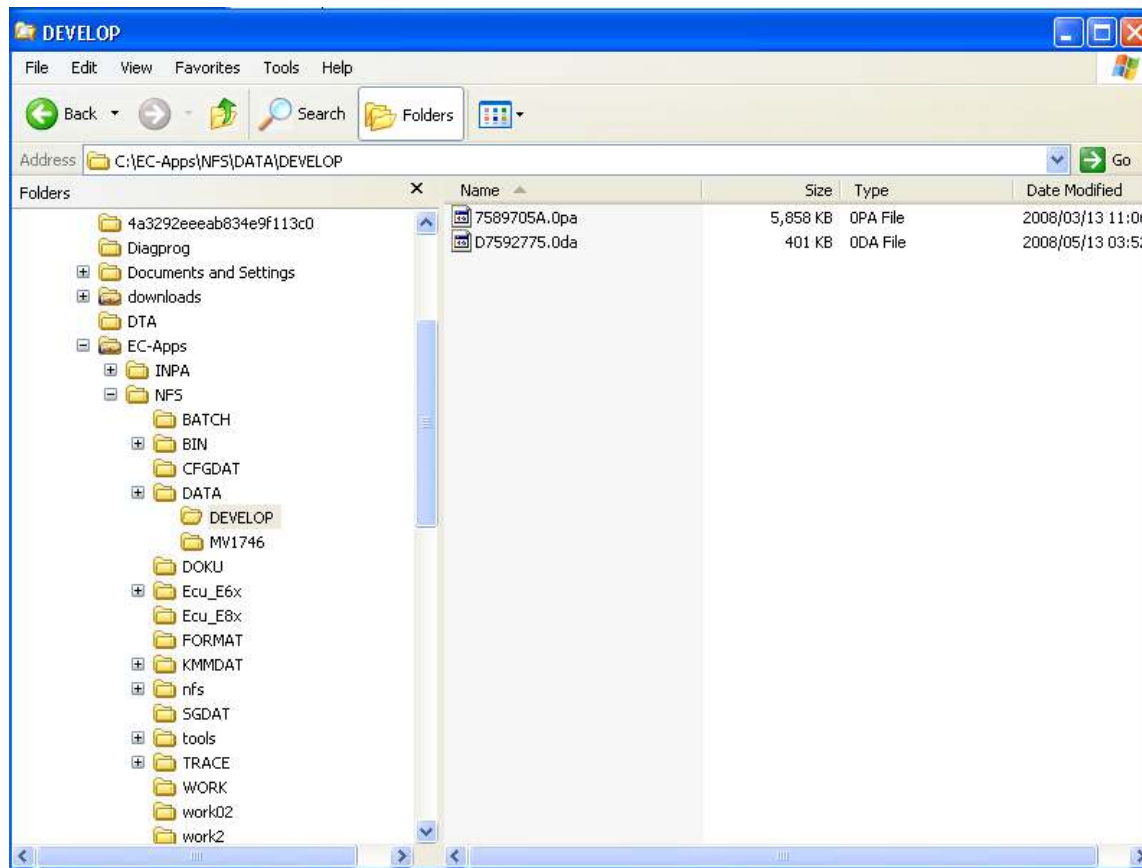


Copy the 2 files over to
Develop folder. *.0pa and
*.0da file

BMW Group



BMW Aftersales. Expert Mode Programming

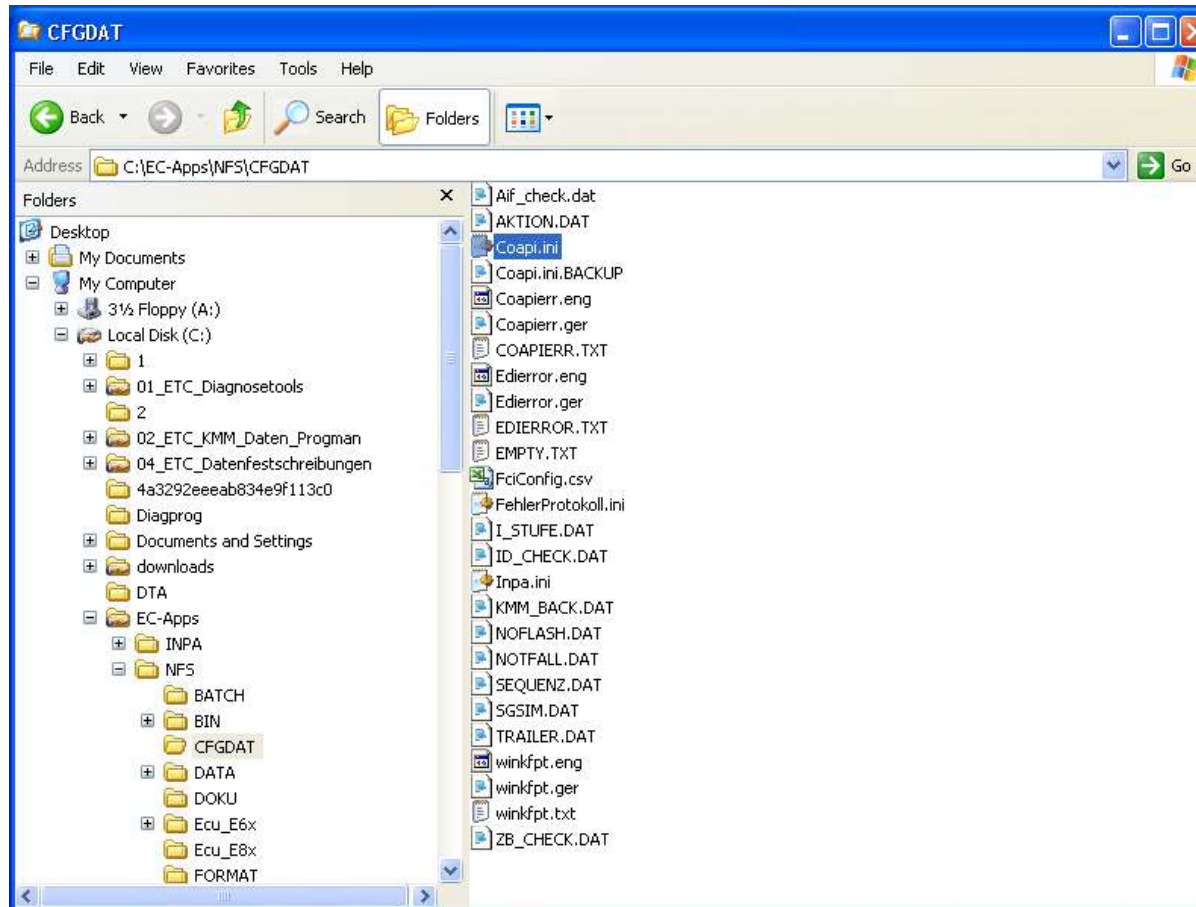


Copy the 2 files over to
Develop folder. *.opa and
*.oda file

BMW Group



BMW Aftersales. Expert Mode Programming

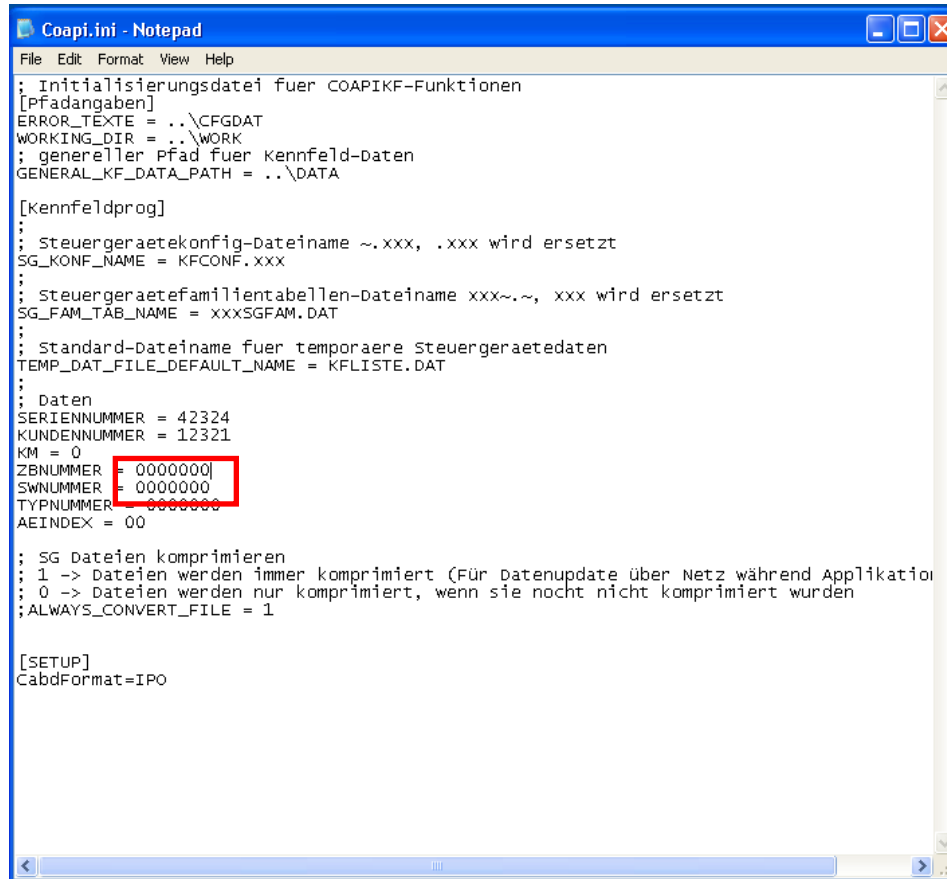


Select the Coapi.ini file

BMW Group



BMW Aftersales. Expert Mode Programming



```
Coapi.ini - Notepad
File Edit Format View Help
; Initialisierungsdatei fuer COAPIKF-Funktionen
[Pfadangaben]
ERROR_TEXTE = ..\CFGDAT
WORKING_DIR = ..\WORK
; genereller Pfad fuer kennfeld-Daten
GENERAL_KF_DATA_PATH = ..\DATA

[kennfeldprog]
;
; Steuergeraetekonfig-Dateiname ~.xxx, .xxx wird ersetzt
SG_KONF_NAME = KFCONF.xxx
;
; Steuergeraetefamiliientabellen-Dateiname xxx~.~, xxx wird ersetzt
SG_FAM_TAB_NAME = xxxSGFAM.DAT
;
; Standard-Dateiname fuer temporaere Steuergeraetedaten
TEMP_DAT_FILE_DEFAULT_NAME = KFLISTE.DAT
;
;
; Daten
SERIENNUMMER = 42324
KUNDENNUMMER = 12321
KM = 0
ZBNUMBER = 0000000
SWNUMBER = 0000000
TYPNUMMER = 0000000
AEINDEX = 00

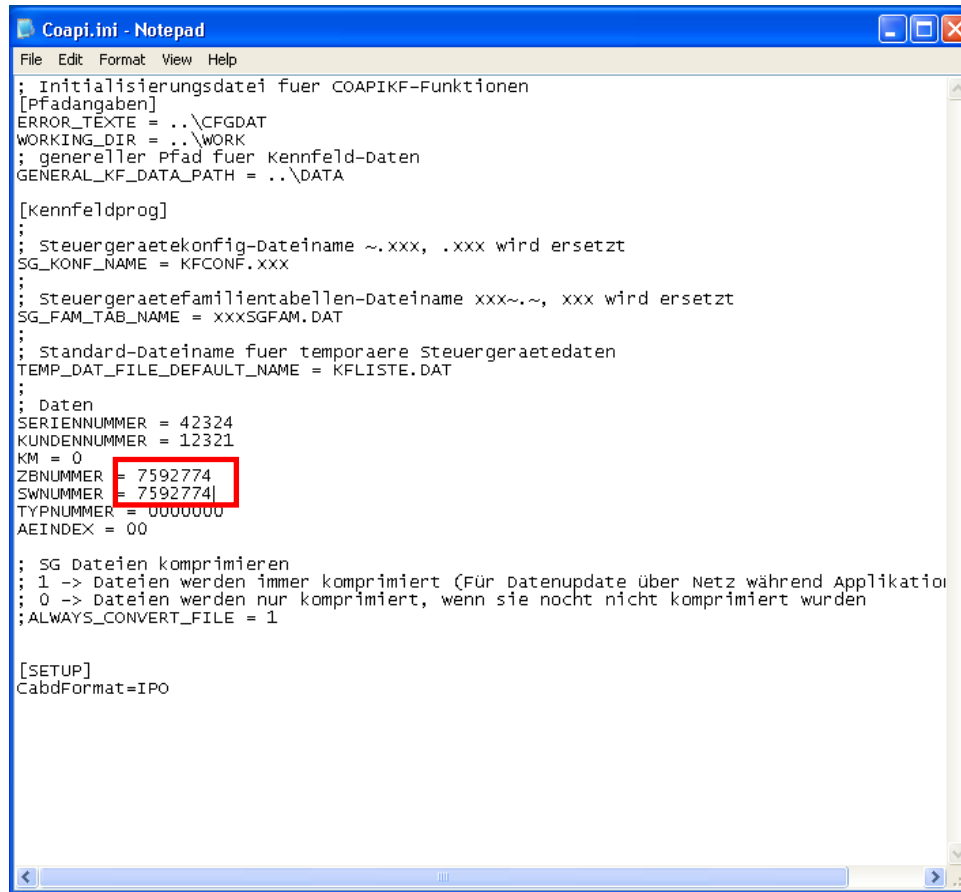
; SG Dateien komprimieren
; 1 -> Dateien werden immer komprimiert (Fuer Datenupdate ueber Netz waehrend Applikation)
; 0 -> Dateien werden nur komprimiert, wenn sie noch nicht komprimiert wurden
; ALWAYS_CONVERT_FILE = 1

[SETUP]
CabdFormat=IPO
```

The ZBNUMBER and SWNUMBER must be changed to the program number.



BMW Aftersales. Expert Mode Programming



```
Coapi.ini - Notepad
File Edit Format View Help
; Initialisierungsdatei fuer COAPIKF-Funktionen
[PFadangaben]
ERROR_TEXTE = ..\CFGDAT
WORKING_DIR = ..\WORK
; genereller Pfad fuer Kennfeld-Daten
GENERAL_KF_DATA_PATH = ..\DATA

[Kennfeldprog]
;
; Steuergeraetekonfig-Dateiname ~.xxx, .xxx wird ersetzt
SG_KONF_NAME = KFCONF.xxx
;
; Steuergeraetefamilientabellen-Dateiname xxx~., xxx wird ersetzt
SG_FAM_TAB_NAME = xxxSGFAM.DAT
;
; Standard-Dateiname fuer temporaere Steuergeraetedaten
TEMP_DAT_FILE_DEFAULT_NAME = KFLISTE.DAT
;
; Daten
SERIENNUMMER = 42324
KUNDENNUMMER = 12321
KM = 0
ZBNUMBER = 7592774
SWNUMBER = 7592774
TYPNUMMER = 0000000
AEINDEX = 00

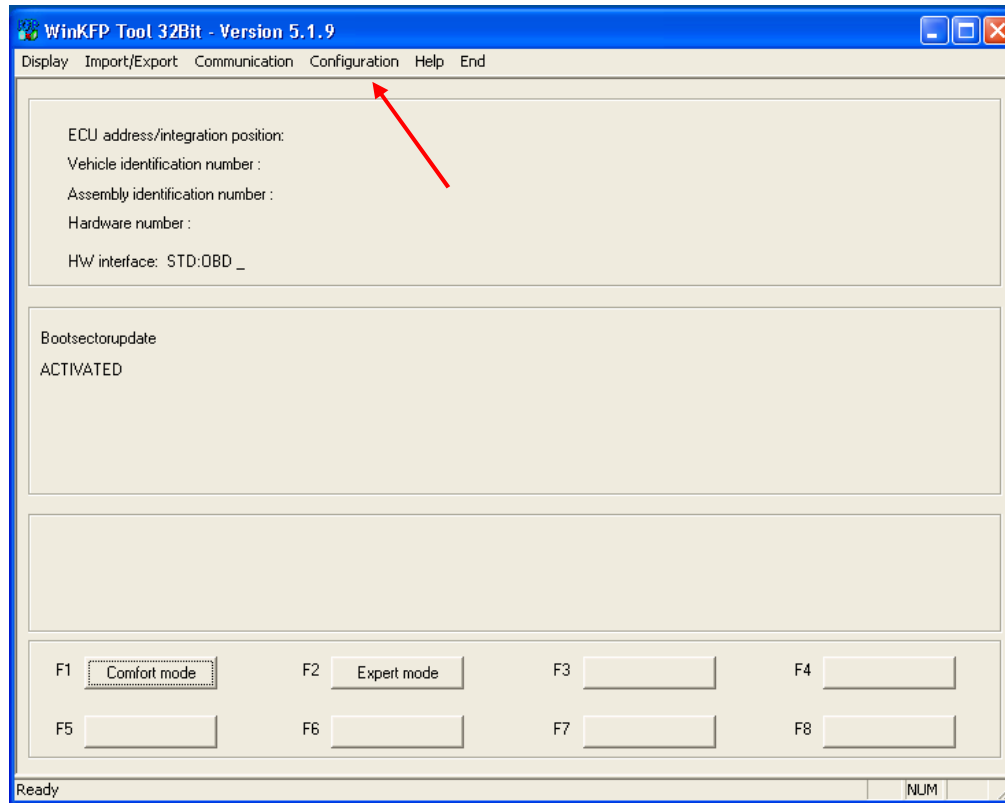
; SG Dateien komprimieren
; 1 -> Dateien werden immer komprimiert (Fuer Datenupdate ueber Netz waehrend Applikation)
; 0 -> Dateien werden nur komprimiert, wenn sie noch nicht komprimiert wurden
; ALWAYS_CONVERT_FILE = 1

[SETUP]
CabdFormat=IPO
```

The ZBNUMBER and SWNUMBER must be changed to the program number the save the file.



BMW Aftersales. Expert Mode Programming

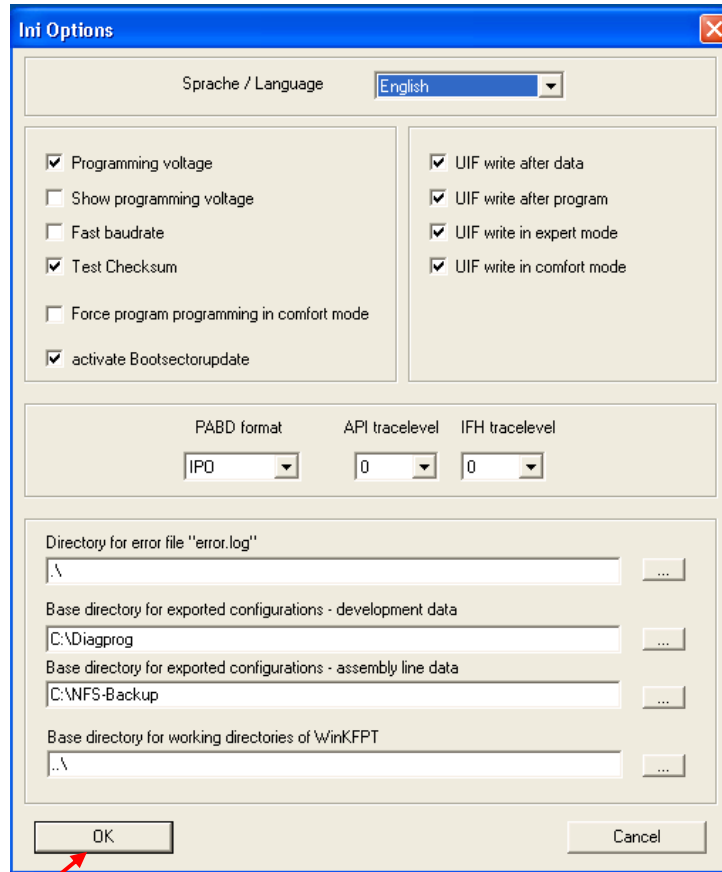


Select WinKfp and check the configuration.

BMW Group



BMW Aftersales. Expert Mode Programming

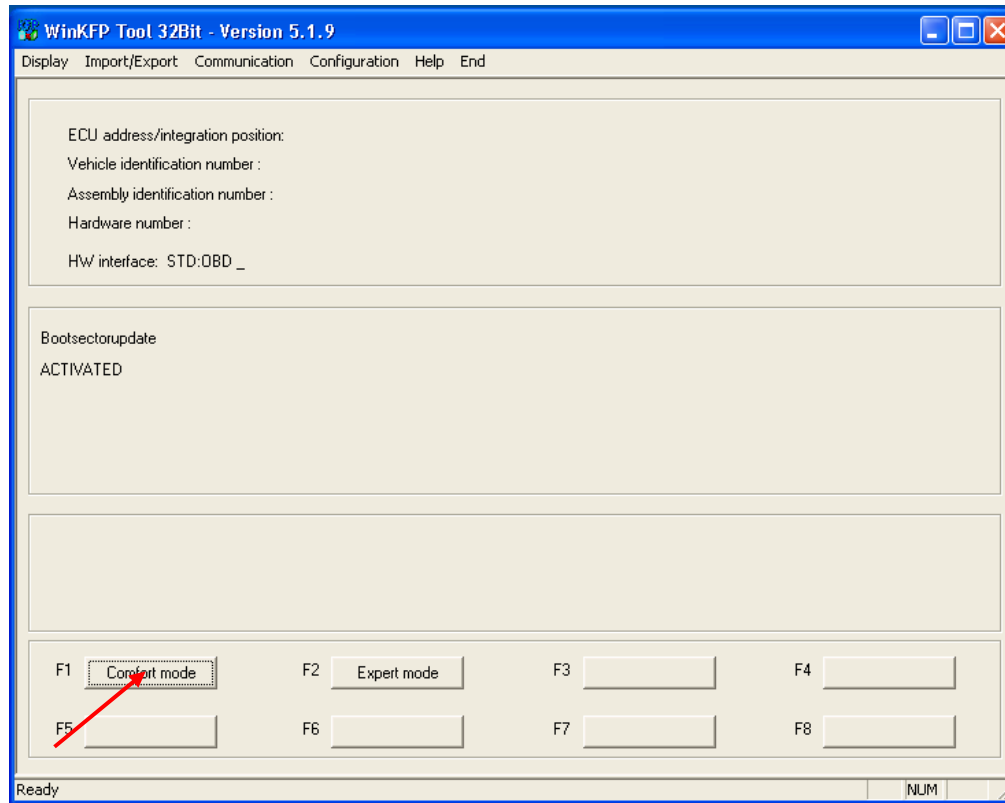


Change configuration to be exactly the same as the example. Select OK when completed

BMW Group



BMW Aftersales. Expert Mode Programming

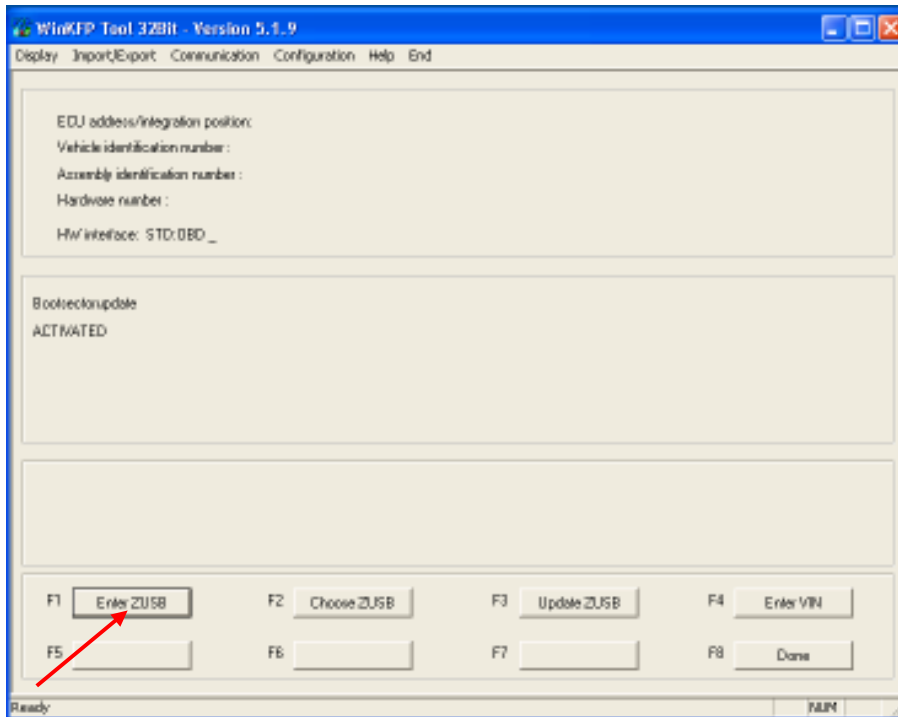


Select Comfort Mode

BMW Group



BMW Aftersales. Expert Mode Programming

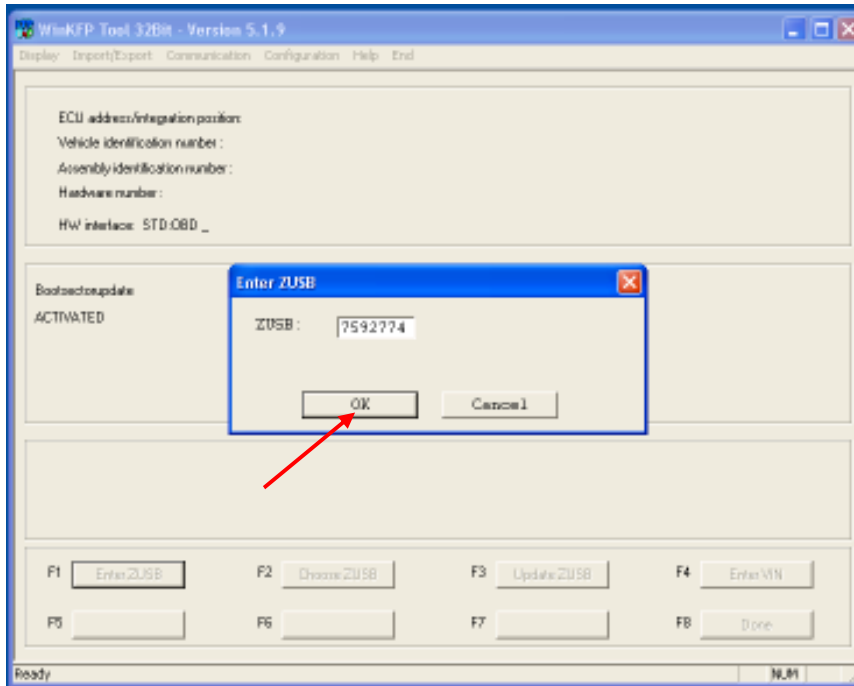


Select Enter ZUSB

BMW Group



BMW Aftersales. Expert Mode Programming

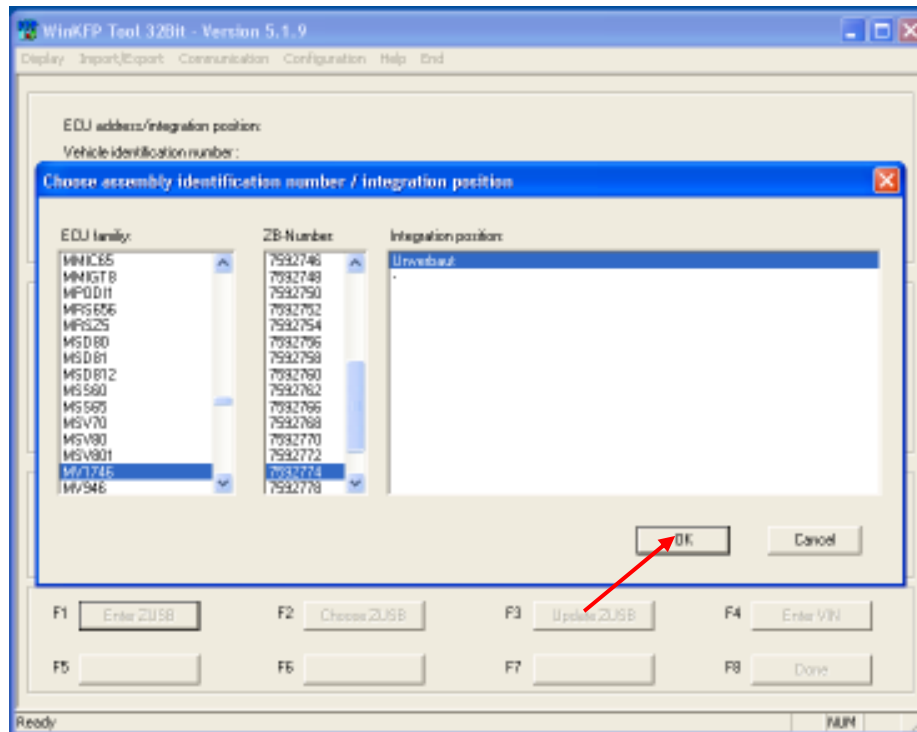


Select OK after entering program number.

BMW Group



BMW Aftersales. Expert Mode Programming

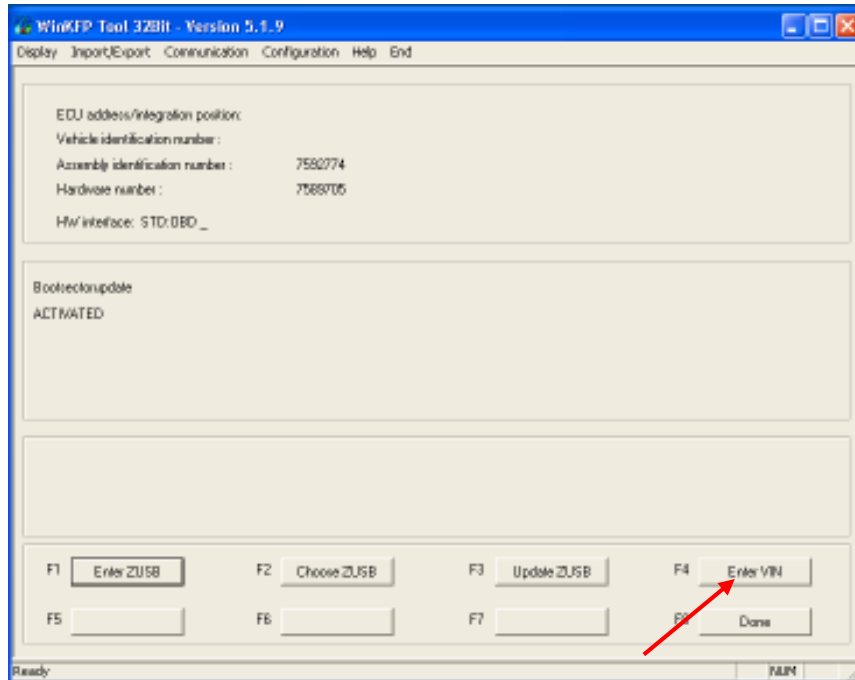


Select OK

BMW Group



BMW Aftersales. Expert Mode Programming

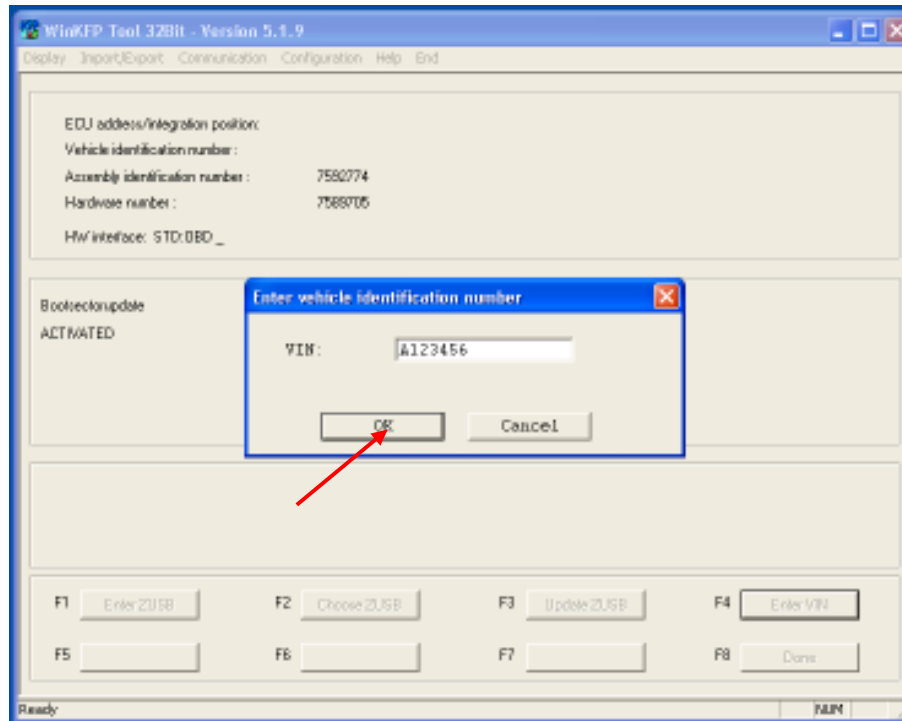


Select Enter Vin

BMW Group



BMW Aftersales. Expert Mode Programming

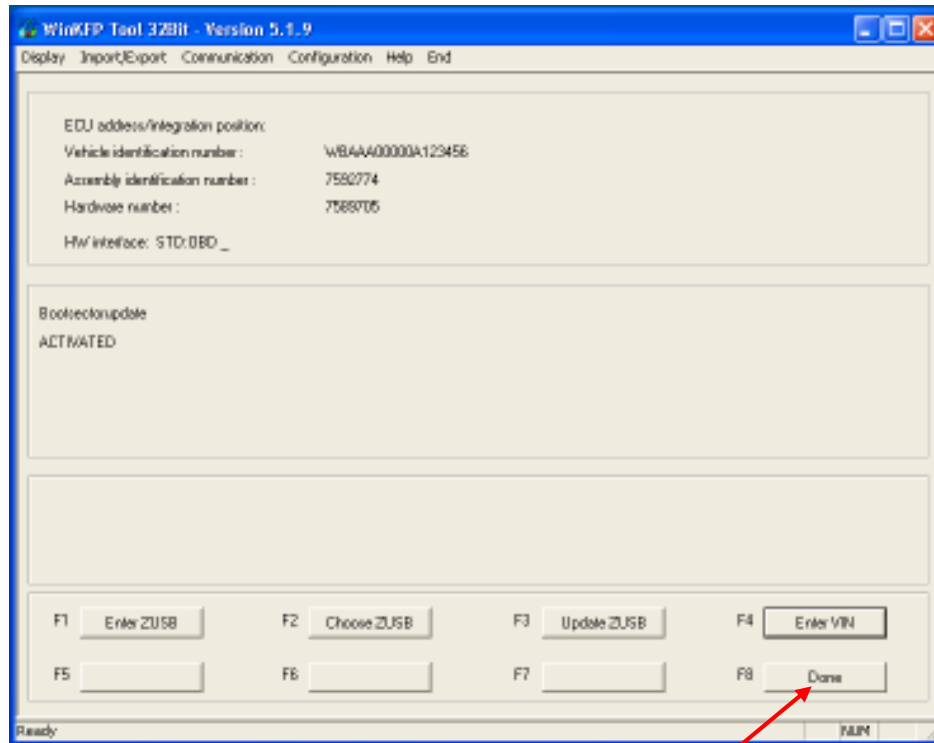


Select OK after entering the VIN.

BMW Group



BMW Aftersales. Expert Mode Programming

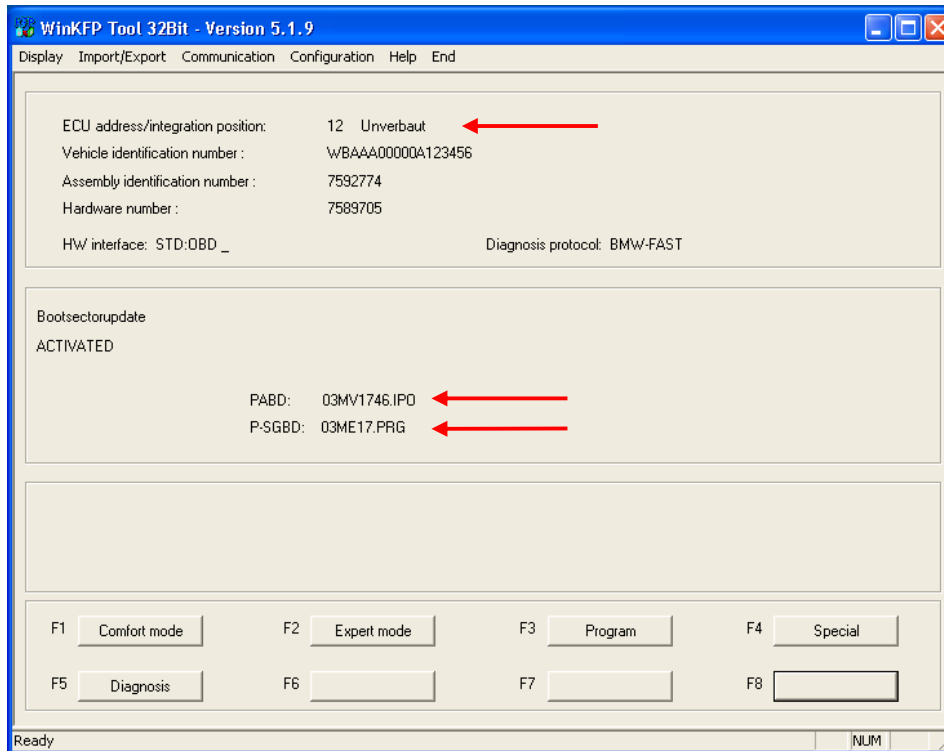


Select Done

BMW Group



BMW Aftersales. Expert Mode Programming

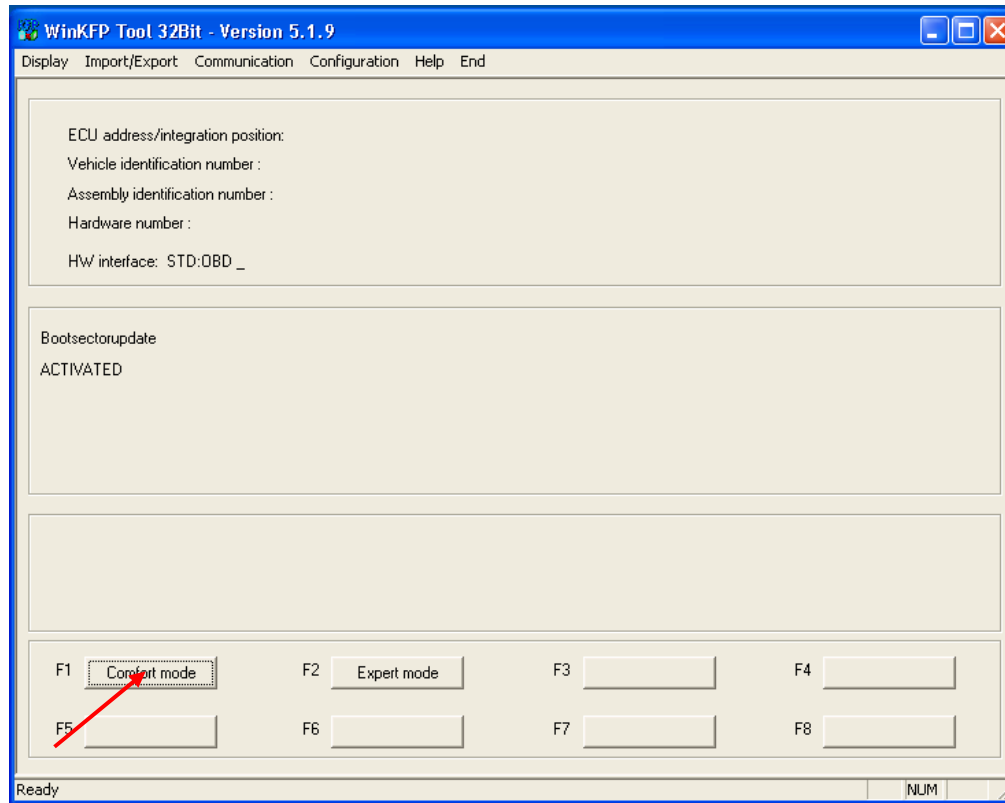


The ECU address, PABD and P-SGBD will appear. Exit program and restart program.

BMW Group



BMW Aftersales. Expert Mode Programming

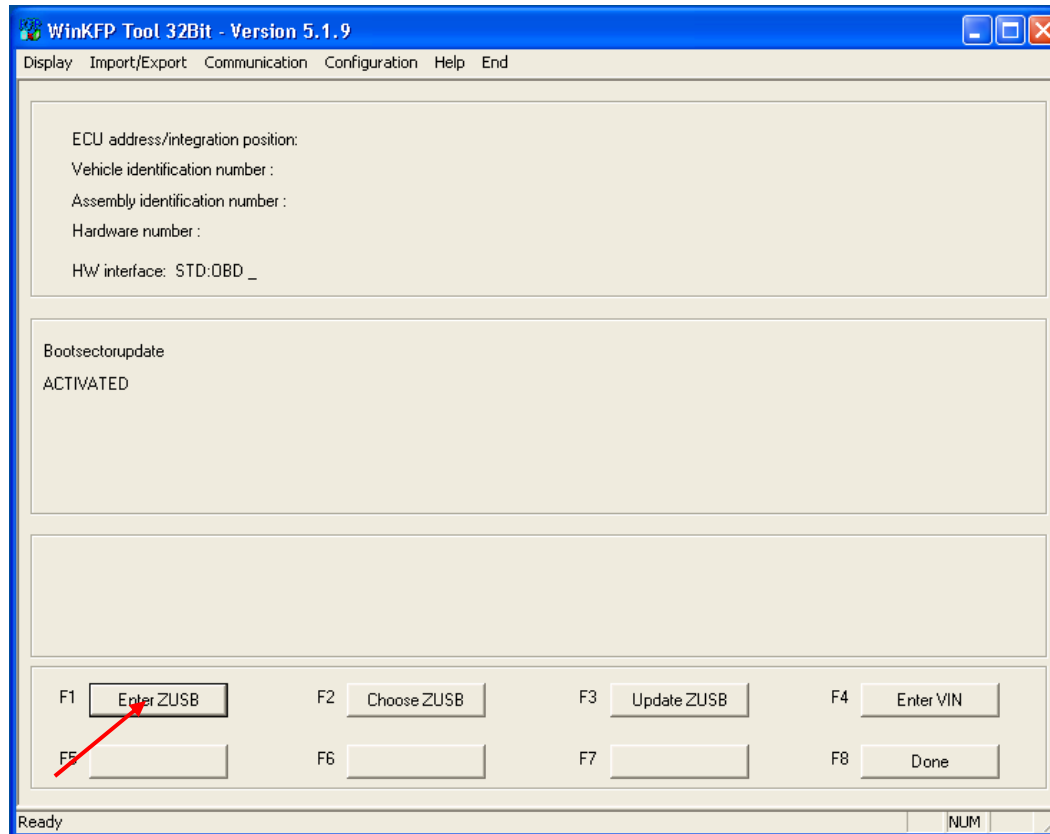


Select Comfort Mode

BMW Group



BMW Aftersales. Expert Mode Programming

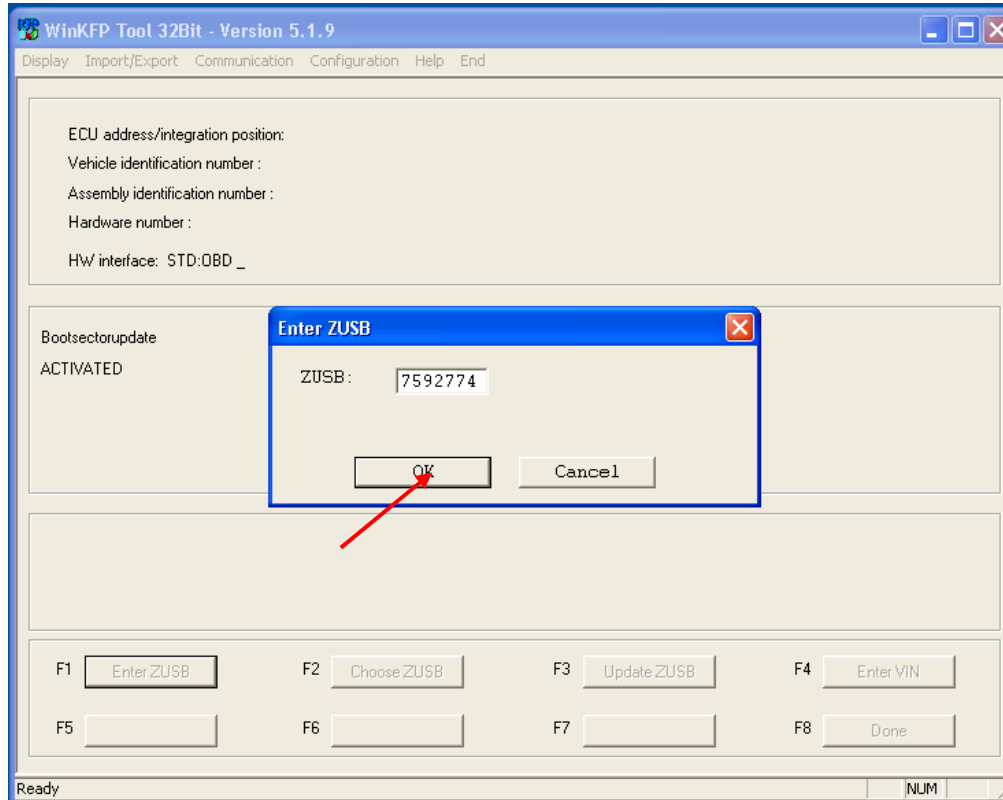


Select Enter ZUSB.

BMW Group



BMW Aftersales. Expert Mode Programming

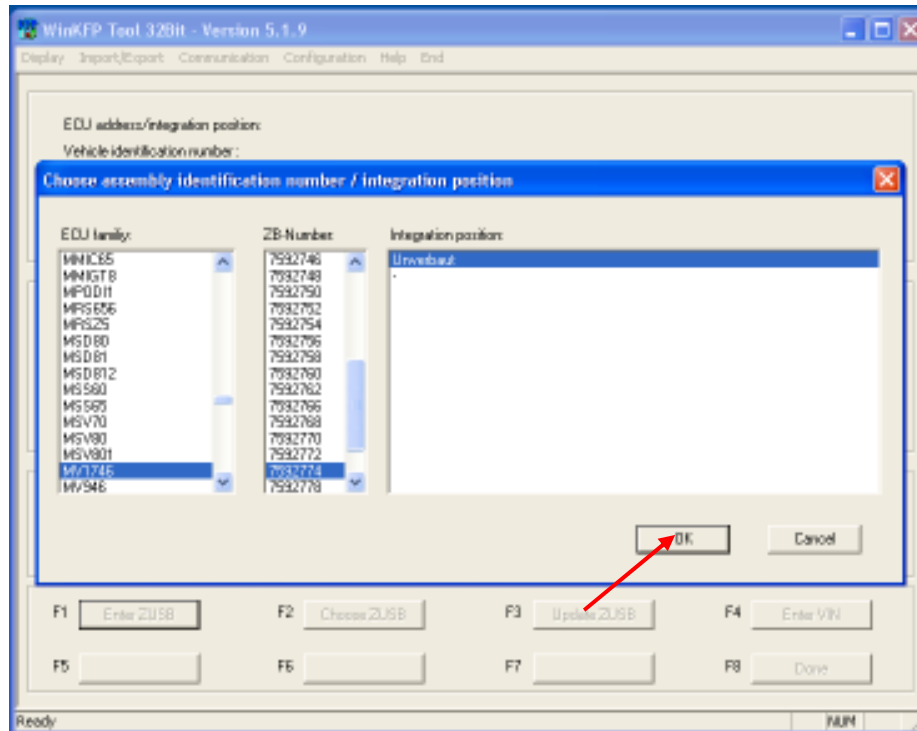


Select OK after entering
program number.

BMW Group



BMW Aftersales. Expert Mode Programming

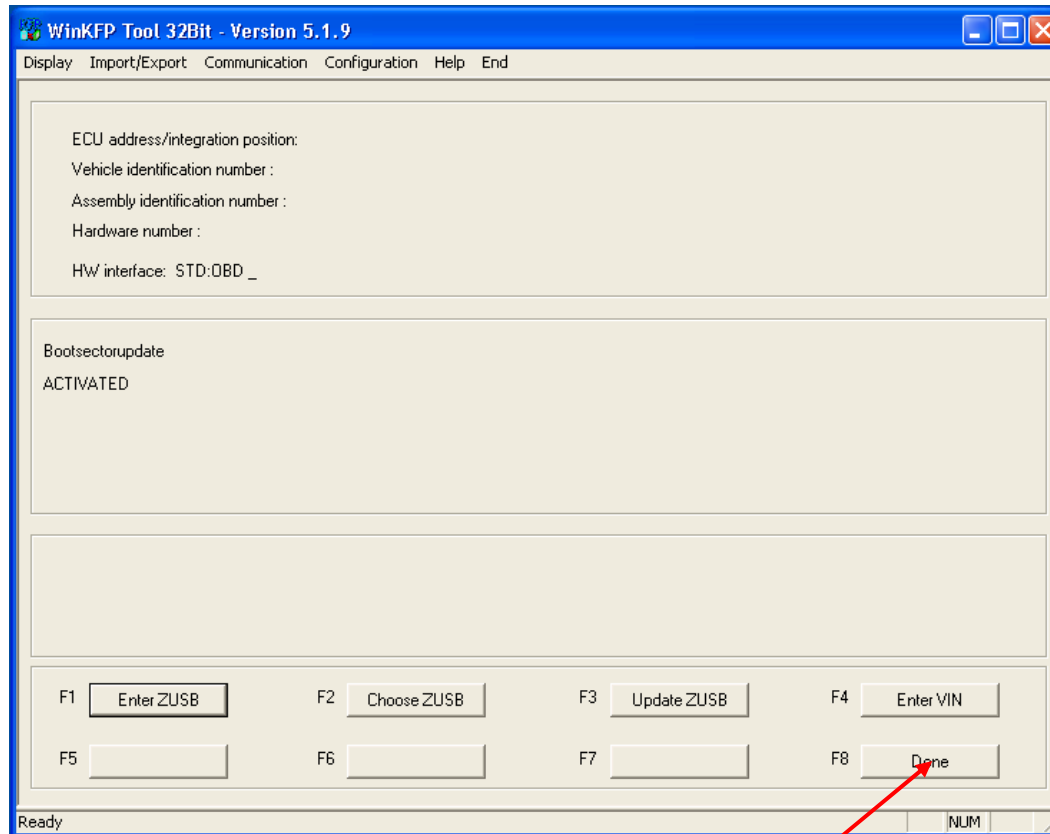


Select OK.

BMW Group



BMW Aftersales. Expert Mode Programming

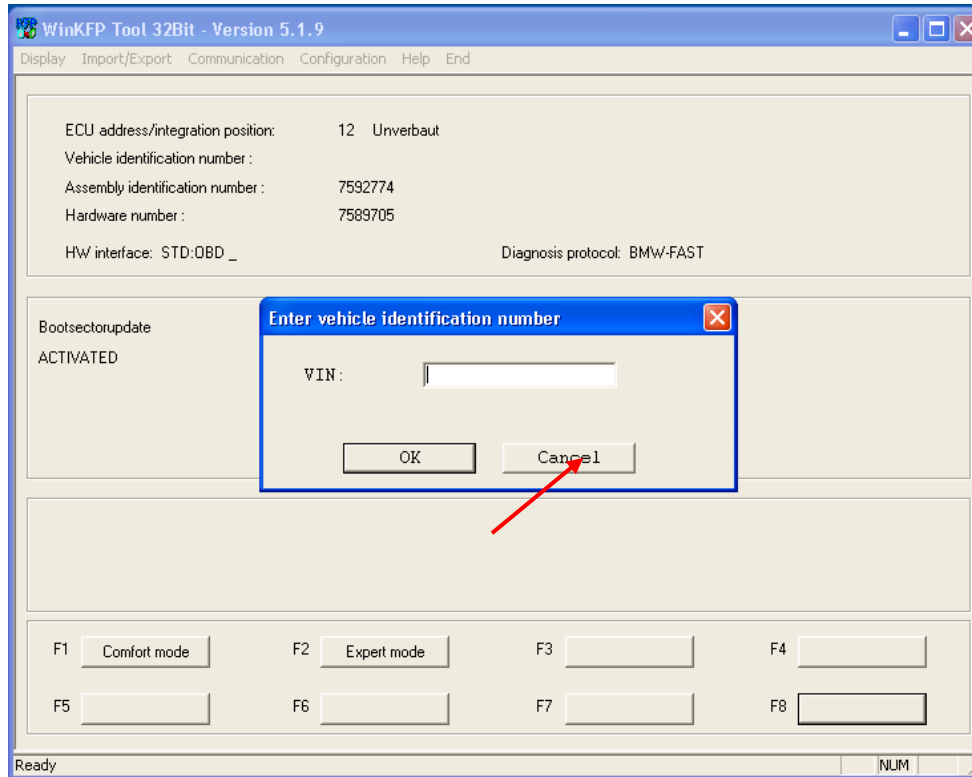


Select Done.

BMW Group



BMW Aftersales. Expert Mode Programming

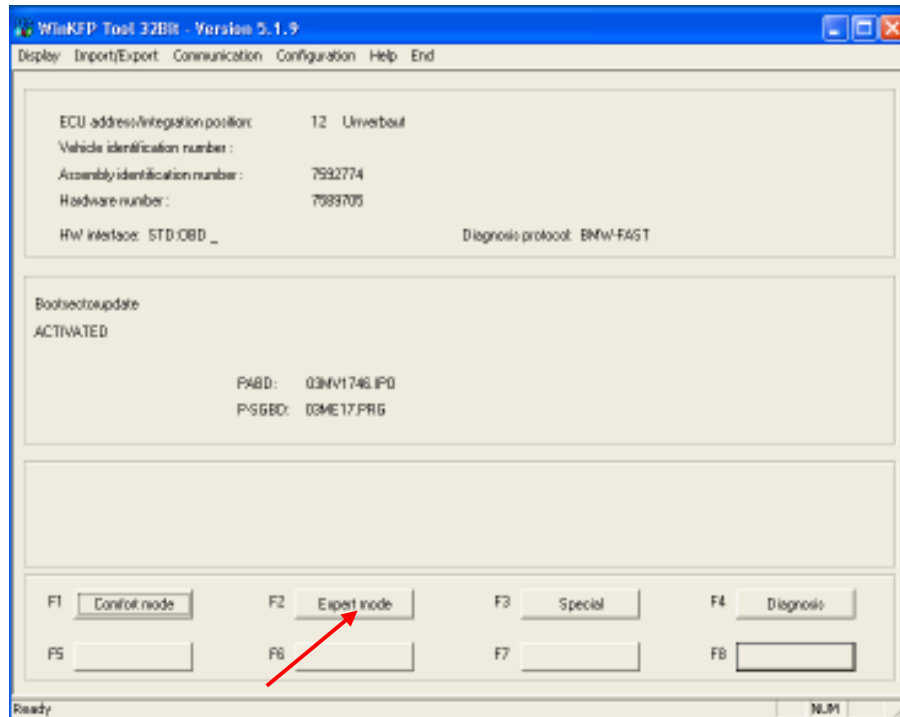


Select Cancel. Do not enter a VIN number.

BMW Group



BMW Aftersales. Expert Mode Programming

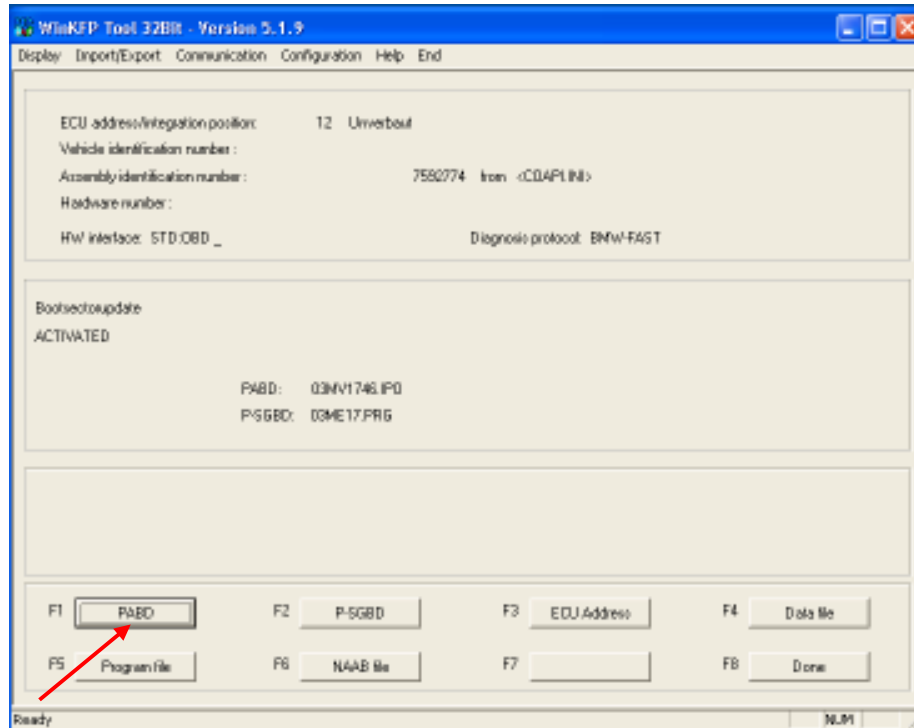


Select Expert Mode.

BMW Group



BMW Aftersales. Expert Mode Programming

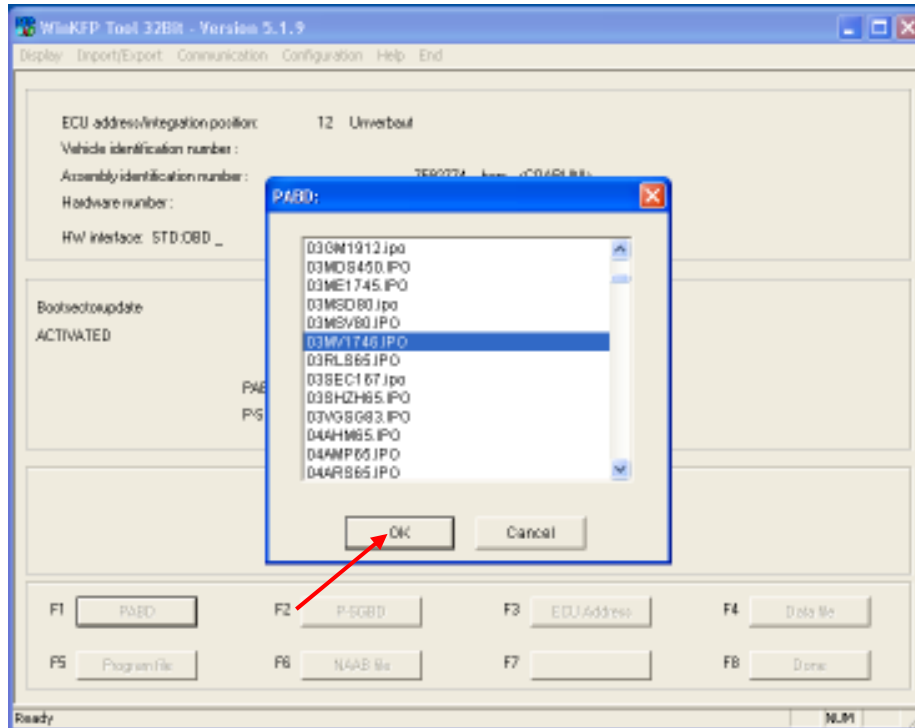


Select PABD

BMW Group



BMW Aftersales. Expert Mode Programming

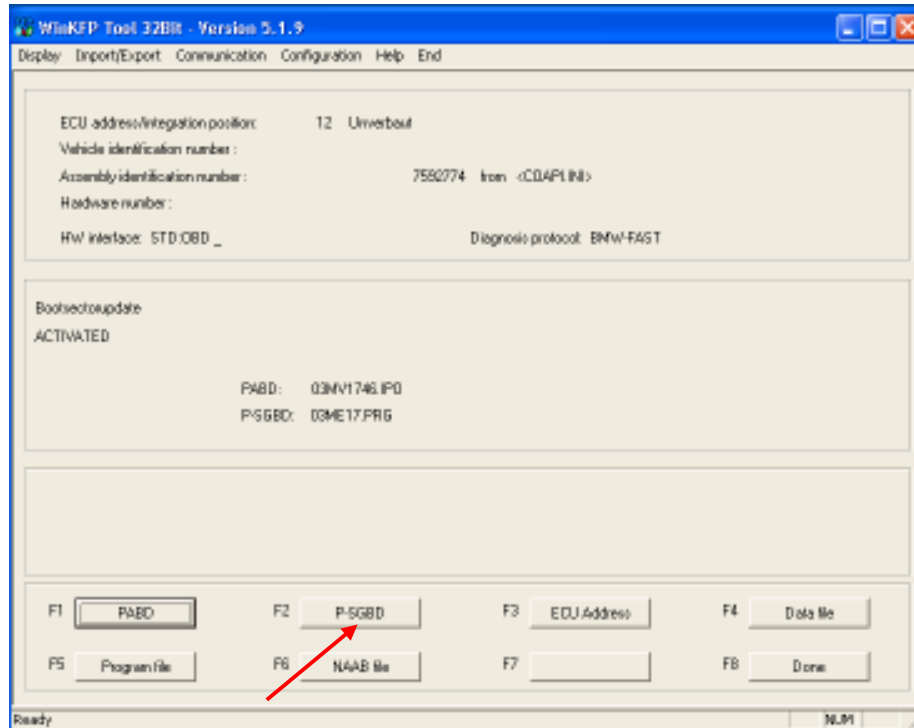


Select number as found
before.

BMW Group



BMW Aftersales. Expert Mode Programming

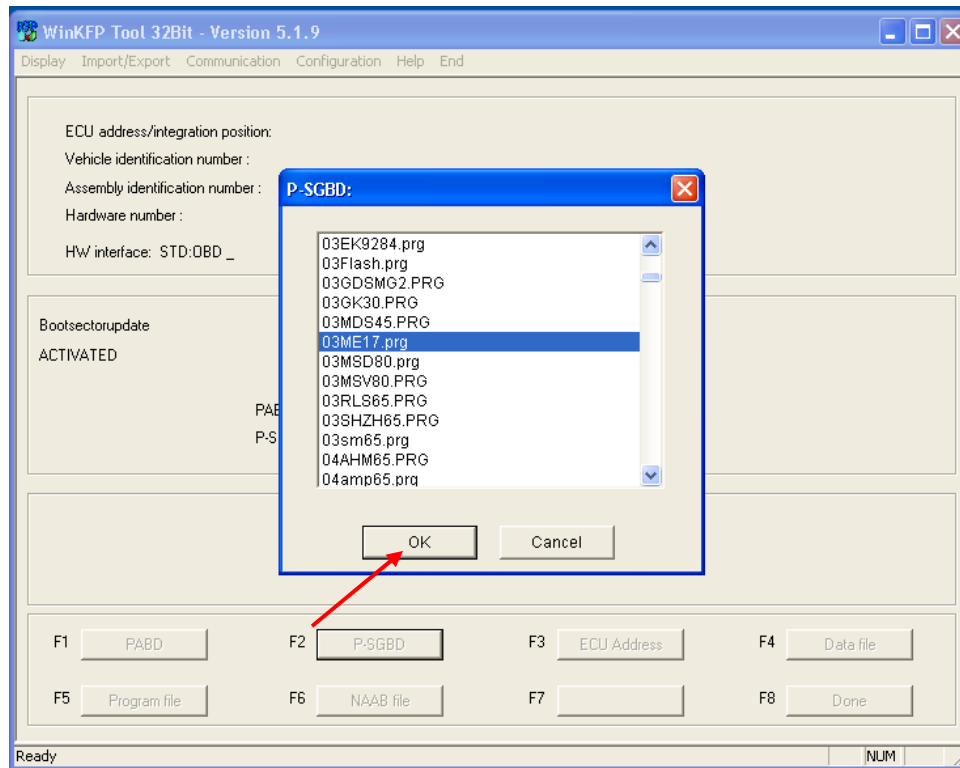


Select P-SGBD

BMW Group



BMW Aftersales. Expert Mode Programming

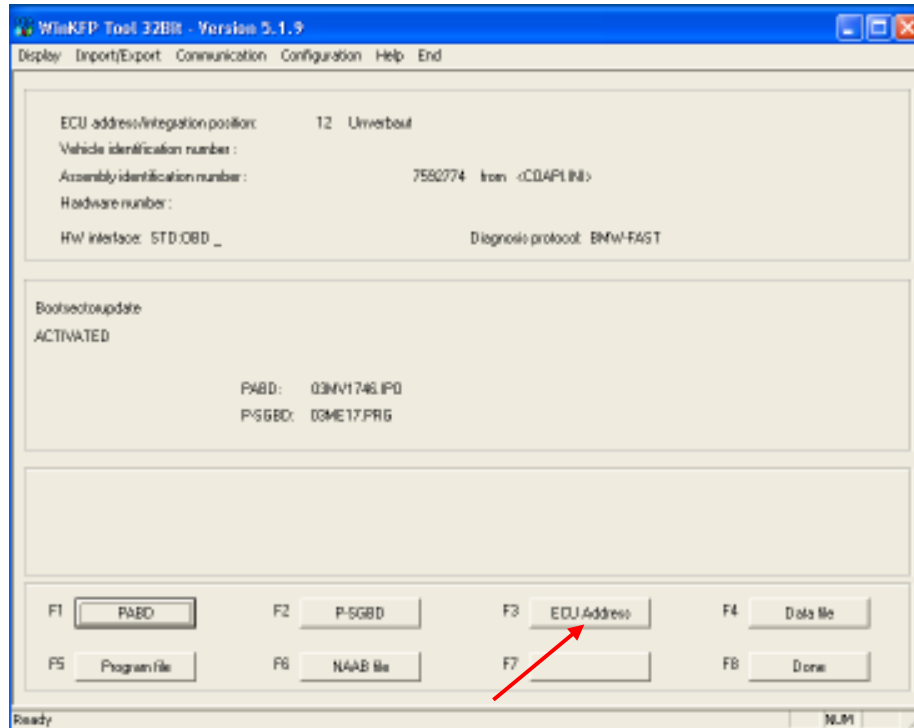


Select number as found
before.

BMW Group



BMW Aftersales. Expert Mode Programming

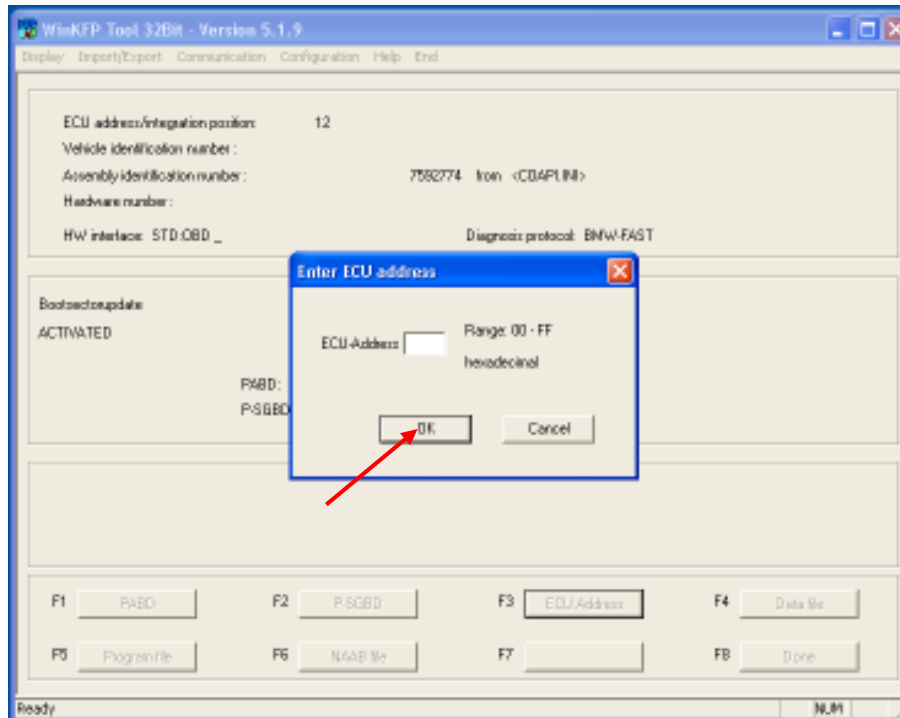


Select ECU Address

BMW Group



BMW Aftersales. Expert Mode Programming

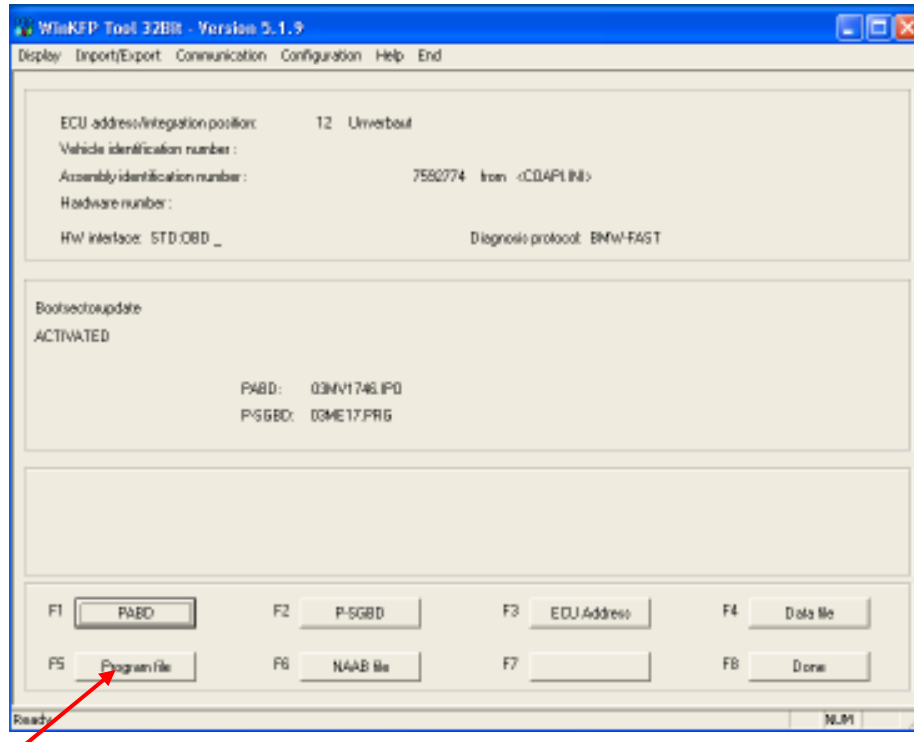


Select number as found before.

BMW Group



BMW Aftersales. Expert Mode Programming

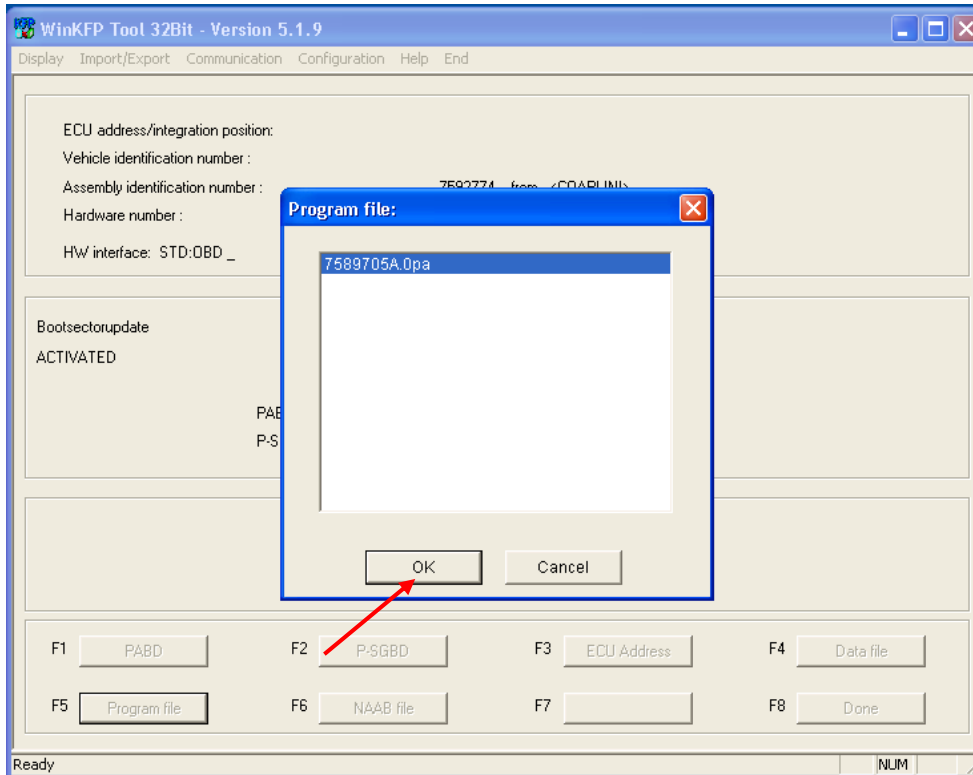


Select Program file

BMW Group



BMW Aftersales. Expert Mode Programming

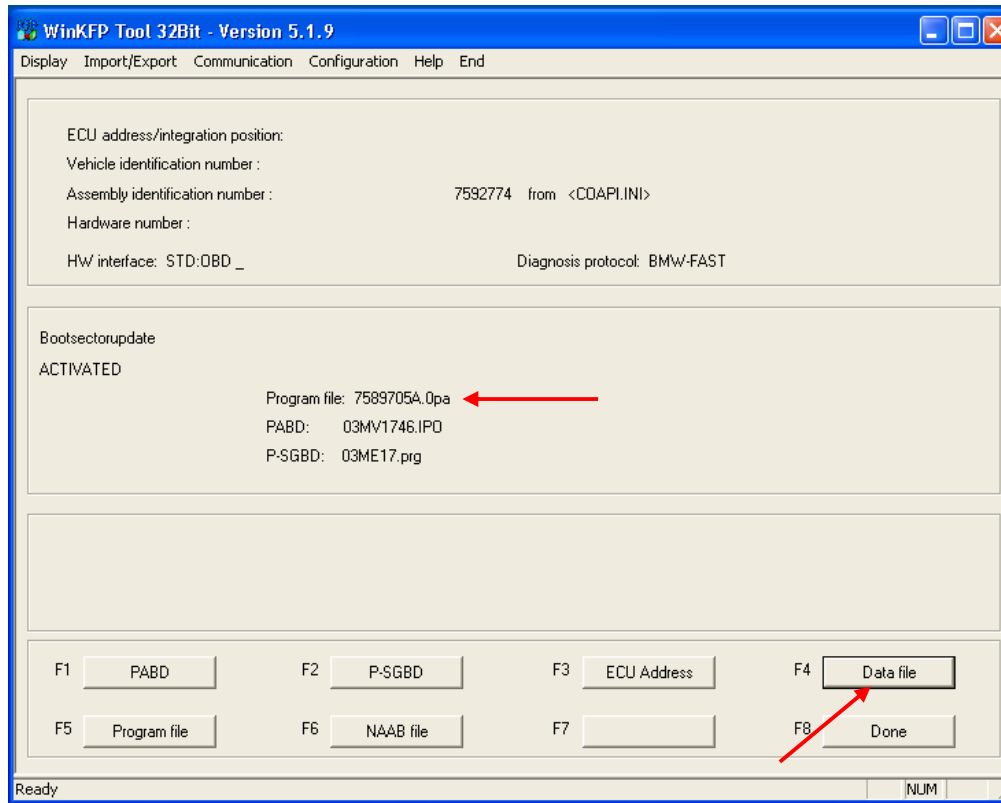


Select OK

BMW Group



BMW Aftersales. Expert Mode Programming



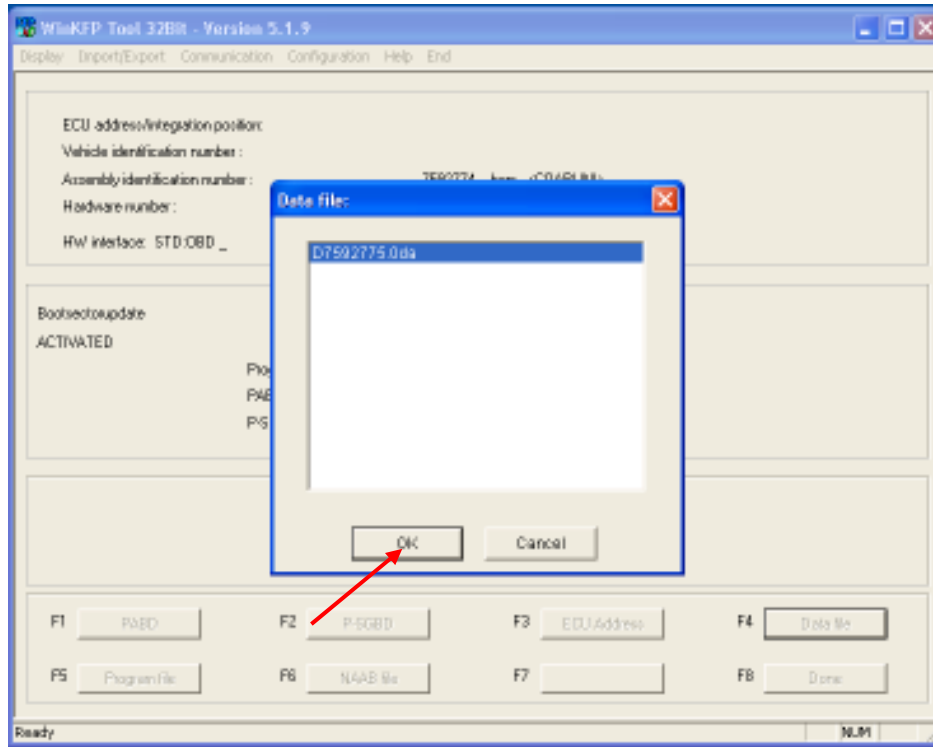
You will see the program
file number.

Select Data file.

BMW Group



BMW Aftersales. Expert Mode Programming

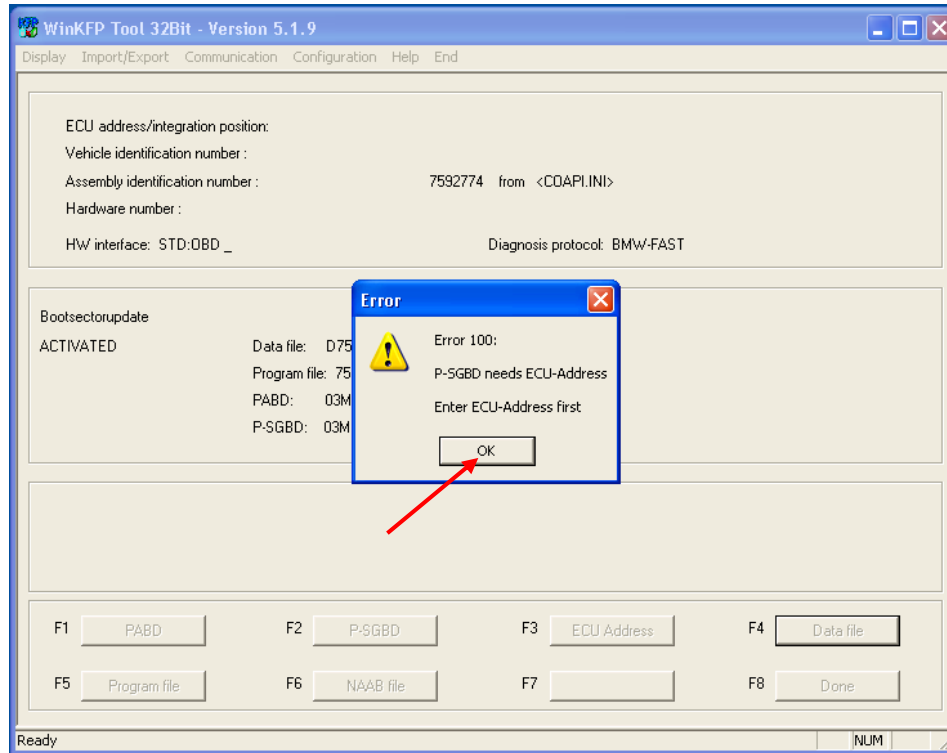


Select OK

BMW Group



BMW Aftersales. Expert Mode Programming

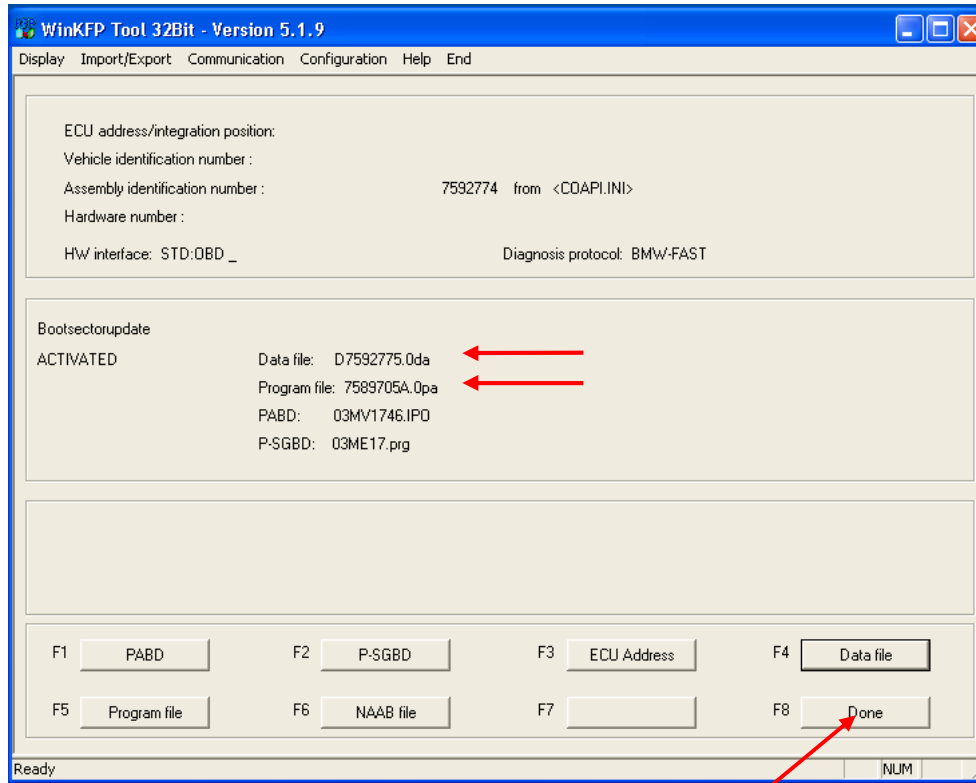


Select OK this error can be ignored as you are in Expert Mode.

BMW Group



BMW Aftersales. Expert Mode Programming



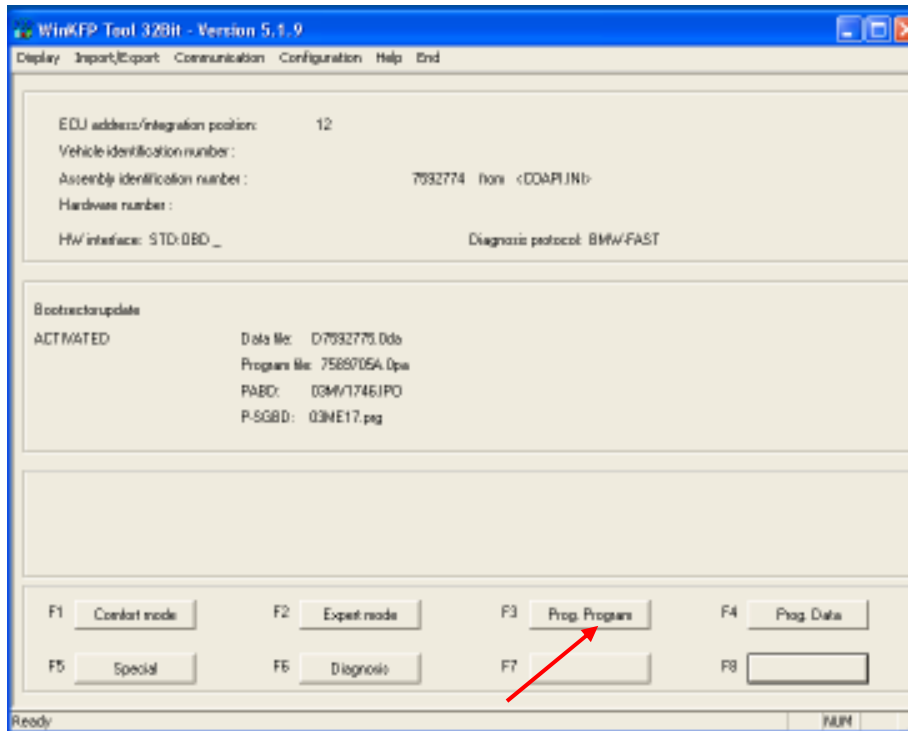
You will see the data file number.

Select Done.

BMW Group



BMW Aftersales. Expert Mode Programming

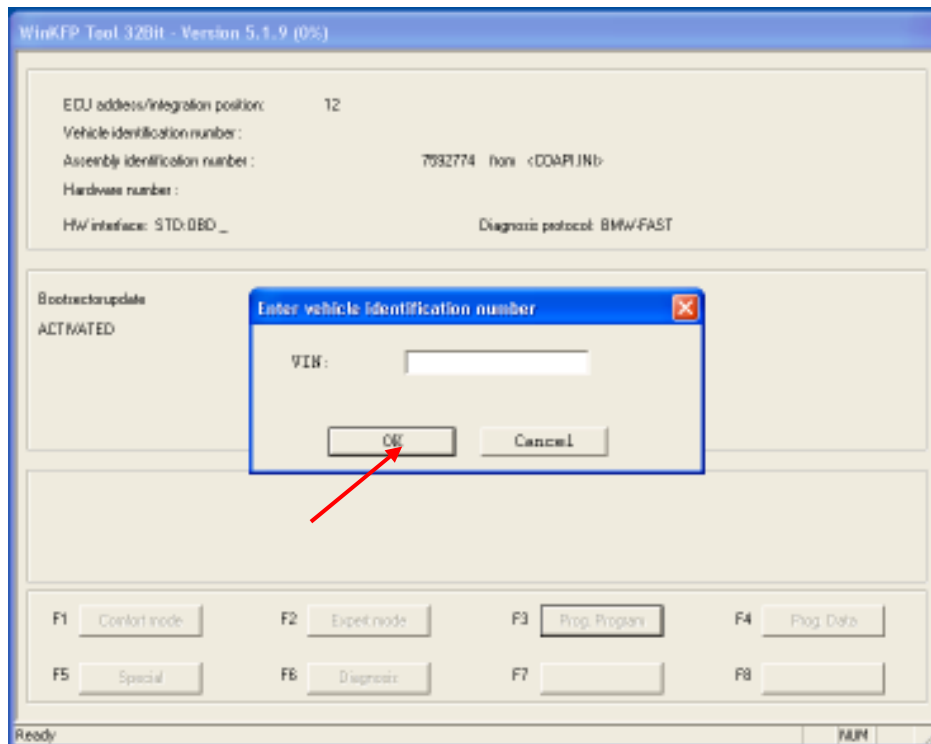


Select Prog Program

BMW Group



BMW Aftersales. Expert Mode Programming

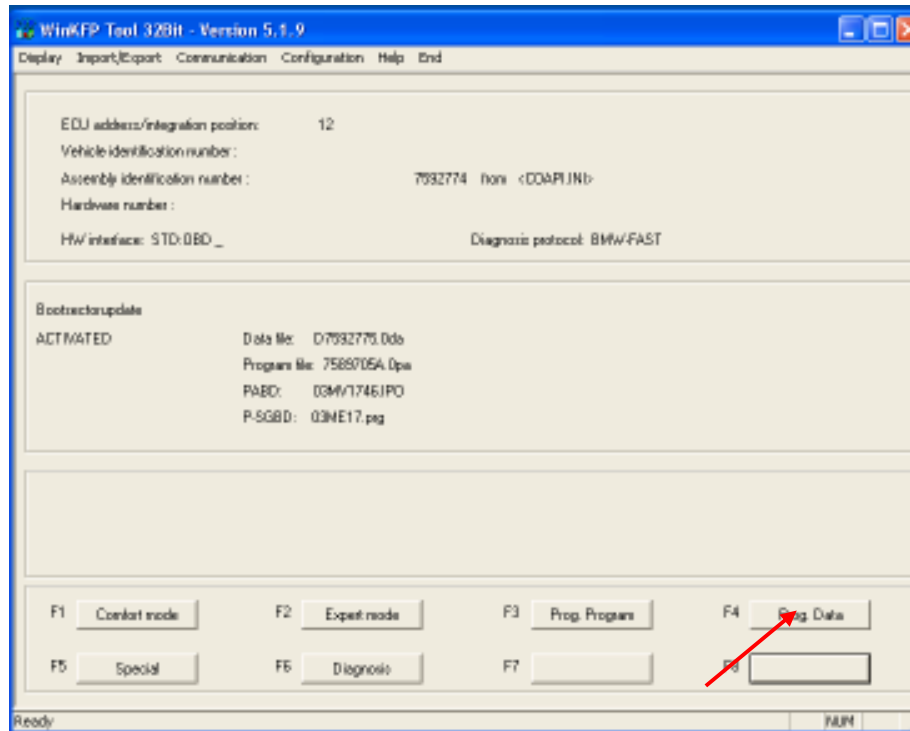


Now enter the VIN and press OK. Programming will start.

BMW Group



BMW Aftersales. Expert Mode Programming



Now select Prog Data and programming will start. After programming you can exit the program.

BMW Group

