

# **Installation Instructions**



# Contents

- 1 x i-flash cable
- 1 x i-flash key

# **System Requirements**

Laptop/portable computer, Windows XP, Vista, 7, Windows 8 32 bit (Windows 8 64 bit see section 5) with a minimum of 5.0 MB disc space

 Important Note Focus RS Mk3, Fiesta Mk7 Ecoboost use sections 1,2,3 & 4 (& Focus Mk2 ST225 if you wish to save a copy of a software installed on your ECU)

 Focus Mk2 ST225/RS sections 1, 3 and 4 only

- Section 1 Installing CP i-flash firmware onto your Laptop
- Section 2 Copying ECU data from vehicle If your device has been supplied without files
- Section 3 Installing Software onto your Vehicle
- Section 4 i-flash firmware updates/i-flash licence updates
- Section 5 i-flash Windows 8 64-bit driver install

# Section 1 – Installing CP i-flash firmware onto your Laptop

**1.1** Insert the i-flash key into a USB port and copy and paste the files into a folder on your desktop

		•	Search		
	Name	Date taken	Tags	Size	Rati
	Collins 2013 Catalogue			35,487 KB	2 2
	I Flash A4 Sales leaflet			573 KB	3
	WARNING for Windows 8 64bit			1 KB	\$
~					

**1.2** Double click on the 'CP\_iflash\_Ford\_Installation' file and start the install process



✓ <sup>4</sup> y Search				
Name	Date taken	Tags	Size	Rat
🔁 Collins 2013 Catalogue			35,487 KB	5.3
CP_iFlash_Ford_Installation			1,535 KB	☆
I Flash A4 Sales leaflet			573 KB	\$
WARNING for Windows 8 64bit			1 KB	23
	Name Collins 2013 Catalogue CP_iFlash_Ford_Installation T Flash A4 Sales leaflet WARNING for Windows 8 64bit	Name Date taken Collins 2013 Catalogue CP_iflash_Ford_Installation IFlash A4 Sales leaflet WARNING for Windows 8 64bit	Name Date taken Tags	Name         Date taken         Tags         Size           Collins 2013 Catalogue         35.487 KB         35.487 KB           C.P. Flash, Ford_Installation         1,535 KB         1,535 KB           I Flash A4 Sales leaflet         573 KB         573 KB           WARNING for Windows 8 64bit         1 KB         1 KB

1.3 Follow the setup instructions



### 1.4 Select Destination Location



#### 1.5 'Click' Next>

Setup - i Elach Ford	
Select Start Menu Folder Where should Setup place the program's shortcuts?	
Setup will create the program's shortcuts in the following Start M	enu folder.
To continue, click Next. If you would like to select a different folder, click i	Browse.
Flash	Browse
< Back Next >	Cancel

1.6 'Click' Next>



**Section 2** – Copying ECU data from vehicle (If your device has been supplied without files)

**2.1** Double 'click' your desktop icon and open the i-flash Ford application and read the Legal note.

To proceed click 'I Agree'





2.2 Plug your I flash cable into your laptop's USB Port and connect the OBD2 connector to your vehicle

Important Note: Before proceeding further

Please ensure the vehicles battery is fully charged (Focus Mk2 ST225 attached battery charger)

That the vehicles audio & climate system are switched off

2.3 Press the ignition start button to bring on the dash warning lights - DO NOT START THE ENGINE







## 2.4 'Click' Next

#### i-Flash for Ford ... Version 1.0.0, Build 0056





- Comfortably read your vehicle's ECU calibration - Safely program your vehicle's ECU with your favorite tune Restore your vehicle's ECU to its original state at any time
 Read out diagnostic trouble codes (DTC's) - Clear diagnostic trouble codes (DTC's)

Before you proceed please take a moment to - Read the software disclaimer / license / legal notes - Check for software updates on the internet

Note :

i-Flash for Ford has no affiliation to the vehicle manufacturer ! Vehicle logos, images, fonts or text are property of their respective owners.

< Back Next > Close Help ++

x

# 2.5 'Click' Next

i-Flash for Ford Version 1.0.0, Build 0056				
	Operating system & Computer information :			
WELCOME TO	System :	Microsoft Windows Vista 32-bit		
		Home Premium Edition		
		Service Pack 2		
	Computer :	GenuineIntel		
	o compositor :	Family 6. Model 15. Stepping 13		
		Core Speed @ 1995.00 MHz		
ABELLE		3003 MB RAM Total , 1745 MB Free		
		228890 MB HDD Total , 67224 MB Free		
	Power :	AC Power Supply		
	System status :			
	Core Speed status	OK (Over 400 MHz)		
V N	RAM status OK (Over 200 MB Free)			
	HDD status OK (Over 400 MB Free)			
	Power status OK (	AC Power)		
PERFORMANCE Please click 'Next' to proceed				
< Back Next > Close Help ++				

# **2.6** Please read the Attention warnings And then 'Click' Next

i-Flash for Ford Version 1.	0.0, Build 0056	×
	Please make sure your hardware device is connected to the PC on side and to the vehicle's diagnostics plug (OBD) on the other side. Please make sure ignition switch is set to the 'ON' position and the engine is NOT running !	one
	Attention : - Make sure USB cable is plugged to the PC ! (NOT via usb hub) - Make sure PC has sufficient battery time ! - Make sure vehicle has sufficient battery power ! - DO NOT interupt the communication at any time ! Please click 'Next' to proceed	
52	<ul> <li>Looking for communication hardware device</li> <li>Reading hardware license and coding</li> <li>Testing hardware appropriate</li> </ul>	
	<ul> <li>Lesting naroware connection</li> <li>Identifying vehicle</li> </ul>	
	Verifying license	
	< Back Next > Close Help +	+

# 2.7 'Click' Next - Focus RS Mk3 go to section 2.8

i-Flash for Ford Version 1.0	0.0, Build 0056		×
	Vehicle information : Detected ECU Type : Vehicle Ident. No. :	Bosch MED17 384K WF0KXXGCBKCD78505	•
	USB Device informatic USB Device SN : Coded ECU Type : Coded Ident. No. : Vehicle identification har The system is now ready	In : 4493 - Master No ECU coding needed No identification needed s been retrieved and tested successfully. to communicate with this vehicle.	
	Please click 'Next' to pro	Next > Close Help	**

# 2.8 FOCUS RS Mk3 ONLY

Message" The system was not able to identify the vehicle's ECU Type ..."

WELCOME TO	Vehicle information :	
FLASH	Detected ECU Type :	~
for	Vehicle Ident. No. :	WF05XXGCC5GG49810
Fined	USB Device information	n:
Corra	USB Device SN :	4493 - Master
	Coded ECU Type :	No ECU coding needed
	Coded Ident. No. :	No identification needed
	The system was not ab	le to identify the vehicle's ECU type.
	The system was not abl if this is a result of an ut ECU type manually.	le to identify the vehicle's ECU type. nsuccessfull programming please try to select the

# 2.9 FOCUS RS Mk3 ONLY

'Click' blank Detected ECU type box

Select 'Bosch MED17 768K' from the drop down menu

LCOME TO	Vehicle information :		
LASH	Detected ECU Type :		
£		Basch ME9	Sal Straight
tor	Vehicle Ident. No. :	Bosch ME9 S-MAX	1
No. of Concession, Name		Bosch MED17 256K	
tond	USB Device information	Bosch MED 17 768K	
Obra		Bosch EDC17	13
	USB Device SN :	Bosch EDC17CP42	
	Coded FCU Type	Visteon Diesel	
	Course Loss Appendi	Delphi DCM6.1	
	Coded Ident, No.:	No identification needed	
	The system was not able	to identify the vehicle's ECU typ	e.
	The system was not able If this is a result of an uns ECU type manually.	to identify the vehicle's ECU typ uccessful programming please	ve. try to select I

# 2.10 FOCUS RS Mk3 ONLY

Message "Are sure you know better?"

'Click' Yes

IFLASH	Detected ECU Type	Bosch MED17 768K	
for	Vehicle Ident. No. :	WF05XXGCC5GG498	10
Find	USB Device information :	N	
2	Are you sure you know b Click 'Yes' to keep your r Click 'No' to restore prev	better ? new selection. nous selection.	U type. ase try to select the

# 2.11 'Click' Read ECU Memory

i-Flash for Ford Version 1.0	.0, Build 0056		×
	Identification details : ECU Type : Bosch MED17 384K System Supplier Ecu Hardware N Vehicle Identification Number : W    Calibration options : Read ECU Memory Program ECU Memory Recover ECU Memory	umber : CM5A-14C204-ARE F0KXXGCBKCD78505 Diagnostic options : Diagnostics Data Logging Extra options : Software options	
	< Back Next >	Close Help	••

2.12 Select location where to save ECU data

We recommend that you create a i-flash folder On your laptop In which to store your ECU data files



2.13 Follow the on screen instructions









**2.14** The Software will read a copy of the vehicles Software

Note: During this process you will see warning Messages appear on the dash display such as "Engine system fault" etc

Priash for Ford Version 1.0.	reliash for Pord Version 1.0.0, Build 0000					
	Identification details : ECU Type : Bosch MED17 384K System Supplier Ecu Hardware Number : CM5A-14C204-ARE Vehicle Identification Number : WF0KXXGCBKCD78505  					
Reading ECU memory	Reading ECU memory					
Reading memory address 0xi Time elapsed : 0	Reading memory address 0x80053A00 Time elapsed : 00.01:06 · 53% · 47% · Time remaining : 00.00:57					
	Frogram ECO Memory	Data Logging				
Recover ECU Memory Software options						
	< Back Next >	Close Help ++				

**2.15** At the end of this process you will receive this Message

Please disconnect the OBD2 connector from The car

Email a copy of the copied file to the following to be processed

gary@collinsperformance.com

You can call us on 01260 279604 to confirms That we have received it

**2.16** We will then send you your tuned/modified File back to via email

Save the file into your i-flash folder ready for use

Notes: The tuned/modified file we send you will appear as a MPEG file on your laptop

This file is encrypted to only work on your vehicle

○○○ ↓ i flash files	✓ 4y Search	Q
🍓 Organize 👻 🖼 Views 👻 💽 Play 👻 🛒 Slide Show 📑	E-mail 🙍 Share 🚳 Burn	0
Favorite Links	Name Date taken Tags Size	»
Photo Stream     Torpbox     Becently Changed     More »	MPEG	
Folders   Folders  Fo	BoschMED17384 BoschMED17384 ST AG Stage 1 i-Flash	
ST AG Stage 1 i-Flash Date modified: 22/04/2013 13:51 Movie Clip Size: 120 KB Date created: 06/01/2014 11:51		A



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Message
Image: Section of the section of t
Re: Chris Elliott Martin Collins
To: Gary Lendon; ST250 Stage 1 ARF i- Flash.MOD
Kind Regards Martin Collins
Tel: (01260) 279604 Fax: (01260) 299208 E-mail: <u>Martin@powerchips.com</u> Web: <u>www.powerchips.com</u>
Powerchips

# Section 3 - Installing Software onto your Vehicle

3.1 Plug your i-flash cable into your laptop's USB Port and connect the OBD2 connector to your vehicle

Important Note: Before proceeding further

Please ensure the vehicles battery is fully charged

That the vehicles audio & climate system are switched off

3.2 Switch on the ignition either by pressing the start button or turning the key to bring on the dash warning lights - DO NOT START THE ENGINE



3.3 Double 'click' your CP i-flash desktop icon and open the i-flash Ford application

3.4 'Click' Next





i-Flash for Ford is a specially designed software and hardware tool which

- Comfortably read your vehicle's ECU calibration - Safely program your vehicle's ECU with your favorite tune Restore your vehicle's ECU to its original state at any time
 Read out diagnostic trouble codes (DTC's)
 Clear diagnostic trouble codes (DTC's)

Before you proceed please take a moment to

- Read the software disclaimer / license / legal notes - Check for software updates on the internet

i-Flash for Ford has no affiliation to the vehicle manufacturer ! Vehicle logos, images, fonts or text are property of their respec

Please click 'Next' to proceed .

< Back Next > Close



Help ++

#### 3.5 'Click' Next

×

i-Flash for Ford Version 1.0.0	), Build 0056		X
WELCOME TO	Operating system & Computer information :		
	System :	Microsoft Windows Vista 32-bit	
		Home Premium Edition	
		Service Pack 2	
	Computer :	GenuineIntel	
		Family 6, Model 15, Stepping 13	
		Core Speed @ 1995.00 MHz	
		3003 MB RAM Total , 1745 MB Free	
		228890 MB HDD Total , 67224 MB Free	
	_		
	Power :	AC Power Supply	
	System status :		
121	Core Speed status	OK (Over 400 MHz)	
	DAM status OK (0	(01((046) 400 Mill2)	
	KAW status OK (O	Ver 200 MB Free)	
	HDD status OK (Over 400 MB Free)		
Power status OK (AC Power)			
	Please click 'Next' to	proceed	
	< Back	Next > Close Help +	+

#### 3.6 Please read the Attention warnings And then 'Click' Next



# 3.7 'Click' Next



#### Focus ST & RS Mk2 ONLY All other models go to point 3.11

#### 3.8 'Click' Program ECU Memory



Focus ST & RS Mk2 ONLY **3.8** Select the 'update with me first AG' file

Note: During this process you will see warning Messages appear on the dash display such as "Engine system fault" etc

Focus ST & RS Mk2 ONLY 3.9 When prompted be message switch off the ignition And click 'Ignition is OFF'

Focus ST & RS Mk2 ONLY

**3.10** When you receive the 'ECU has been Successfully programmed' message start engine.

Check to ensure that there are no error messages Or warning lamps illuminated

Continue to point 3.11

OK

# 3.11 'Click' Program ECU Memory

🖥 i-Flash for Ford Version 1.0.0, Build 0056			×
	0, Build 0056 Identification details : ECU Type : Bosch MED17 384K System Supplier Ecu Hardware Number : CM5A-14C204-ARE Vehicle Identification Number : WF0KXXGCBKCD78505   		
	Calibration options : Read ECU Memory	Diagnostic options : Diagnostics	
	Program ECU Memory	Data Logging	
	Recover ECU Memory	Extra options : Software options	
	< Back Next >	Close Help +	+

If ash files
 I

	Programming ECU memory	
	Erasing memory (this may take some time)	
	Calculating estimated time 0%	L
	>>>>> Communication in progress >>>>> Please DO NOT interrupt this process !!! <<<<<	
_		

Programming ECU memory
Programming memory address 0x001CAEBC
Time elapsed : 00:00:07 + 29% + 71% + Time remaining : 00:00:17
>>>>> Communication in progress >>>>> Please DO NOT interrupt this process !!! <<<<<

Toggle ignition	
Please switch the ignition to the OFF position	
	Ignition is OFF
i-Flash Ford	<b>—</b> ———————————————————————————————————
ECU has been successfully progra	ammed :-)

3.12 Select the file which you wish to install

Note: During this process you will see warning Messages appear on the dash display such as "Engine system fault" etc

**3.13** When prompted by the message switch off the Ignition and click 'Ignition is OFF'

**3.14** When you receive the 'ECU has been Successfully programmed' message start engine.

Check to ensure that there are no error messages Or warning lamps illuminated

OK

# Section 4 – Firmware & Software updates

### 4.1 CP i-flash license updates

We periodically update the CP i-flash interface software subsequently you might receive the message

#### 'License expired'

If you receive this message please use link below to update your CP i-flash interface software by downloading the compressed zip file to your laptop, extracting the file and double click on the i-flash exe application.

https://www.collinsperformance.com/cp-iflash-update/



# Section 5 – Windows 8 64-bit Systems Driver Install

- 5.1 Installing iflash drivers using Windows 8 64-bit systems
- 1) Uninstall the iflash software

2) follow the steps on this webpage to disable Driver Signature Enforcement http://windows8-drivers.com/windows-8-help-2/how-to-install-unsigned-drivers-in-windows-8/

3) This will boot you up in a state where the drivers can be installed.

- 4) Unplug the iflash cable, install the iflash software, and accept the install of unsigned driver
- 5) Plug the cable in and try the software