

Xcalibrator 2 DCX User Instructions

Read This in Its Entirety Before Using!

Thank you for your purchase of the Dodge/Chrysler (DCX) Xcalibrator 2, this tool has been designed to allow you to load performance tunes into your OBDII DCX Vehicle, with the ability to return to your stock tune if desired for dealer visits. Whenever you take your vehicle in for service, if modifications permit, always flash the vehicle back to stock tune file.

How to use the Xcalibrator 2:

Plug the OBD-II connector into the port under the dash of the vehicle you wish to program. Some vehicles may have a panel that needs to be removed to access it. With the key off, use the up and down arrows to navigate through the main menu.

Menu options include:

Program Vehicle:

Custom Tune	Choose custom tune to Program into vehicle
Return to Stock	Available after vehicle is Programmed

DTC/Data Menu:

Read DTCs	Display trouble codes
Clear DTCs	Clear all DTCs
Battery Voltage	Displays OBD2 port voltage
Read ECM Info	Displays PCM part number and vehicle VIN number.

Display Dealer Info:

Displays opening message screen

LCD Contrast:

Sel to Save	Adjusts LCD contrast
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Device Info

Displays Firmware and Serial number.

Vehicle Diagnostics:

The Xcalibrator 2 can read and clear DTCs (Diagnostic Trouble Codes) on the LCD display. This feature will work on any supported DCX based OBD2 vehicle.

The Xcalibrator 2 can also read the PCM Part number of the vehicle, this part number is necessary to allow our software to open your factory file as a starting point.

Program Vehicle Menu:

The first menu is the Program **Vehicle** menu.. Here you can select what file you want to load onto your vehicle. You will get a menu **Tune Vehicle**, or **Return to Stock**. In the Tune Vehicle menu, use the up and down arrow keys to select the file you want to program onto your vehicle. With that file displayed, press the select button to start the flashing process. During the course of the flashing process, you may have to press select, or turn the key on/off. Follow the directions on the LCD display.

Sample Programming Sequence, 2004-5 SRT-4:

Program Vehicle	Press Select
SEL to Begin	

Choose option, Tune Vehicle, or Return to Stock, then press select

Tune Vehicle
SEL to Begin

Return to Stock
SEL to Begin

Once you press select, you will be prompted to turn the key on

Turn Key On
Leave Engine Off

Due to the nature of the Dodge PCM, if you wait too long you will get an error.

Error 14 - SCI
ERR

Scroll up and down to select tune file to load into vehicle, these names are programmed from our software, so names will vary. Press select once you have selected the tune file you want to load

SCT Tune 1

Once you have selected the tune, you may be prompted to turn the key off

Turn Key Off
Press SELECT

Turn Key On
Leave Engine Off

If you wait too long to turn the key on may get an error

ECM Unlock Failed

Once you have turned the key back on the device will start to save stock

Saving Stock...
XX% Done

Checking Stock
XX Done

Initializing...

Turn Key Off
Press Select

After the key is turned off, you will go through the module power down procedure, and then be prompted to turn the key back on.

Module Powerdown
Leave Engine OFF

Turn Key On
Please Wait XX

Erasing Memory

Programming
XX Done

Turn Key OFF
Press Select

Success!
Press Select

Now your vehicle is tuned, to return to stock, select the Return to Stock option

Other Information:

Once the Xcalibrator 2 has been used to program a vehicle, the flashing capability will be locked to that vehicle

Error Recovery:

In the event the Xcalibrator2 does not successfully flash the vehicle, it will display an error message on the LCD display. If this occurs, you will want to recover the PCM by turning the key off, following the menu options to Program Vehicle, and under Program Option, choose the "Return to Stock" option. This will install the stock file back into the vehicle and allow you to attempt to reflash the vehicle with the custom program again.

Chrysler/Dodge (DCX) Xcalibrator 2 User's Guide:



SCT Part number: 9550

PCM Part Number _____

Custom File Descriptions:

Program 1 _____

Program 2 _____

Program 3 _____

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