



ATTENTION! READ THESE INSTRUCTIONS IN THEIR ENTIRETY BEFORE PROGRAMMING YOUR VEHICLE OR DAMAGE TO YOUR VEHICLE MAY OCCUR!



NEVER TURN YOUR VEHICLE'S KEY OFF or UNPLUG THE XCALIBRATOR 2 FLASH DEVICE UNTIL IT HAS FINISHED FLASHING YOUR VEHICLE! DOING SO WILL DAMAGE THE VEHICLE'S PCM

How To Use The Xcalibrator 2 with your GM Vehicle:

- 1** Plug the XC2 connector into the OBD-II port located under the dash of the vehicle you wish to program. Some vehicles have a panel that may need to be removed to access it.
- 2** Turn the key to the "On" position. **DO NOT START THE VEHICLE.**
- 3** Use the UP and DOWN arrows on the Xcalibrator 2 keypad, navigate through the menus and familiarize yourself with each area.

GM Xcalibrator 2 LCD Menu Navigation:

Program Vehicle:

- Tune Vehicle → Choose a custom tune to program into vehicle
- Return to Stock → Available after the vehicle is programmed

DTC / Data Menu:

- Read DTCs → Display trouble codes
- Clear DTCs → Clear all trouble codes
- Battery Voltage → Displays vehicle battery voltage
- Read ECM Info → Displays the part number and Calibration Segment ID numbers as well as the VIN

Display Dealer:

- Displays opening message screen

LCD Contrast:

- Set to Save → Adjusts LCD contrast
- Devicr Info → Displays the firmware version & serial number of the flash device

Vehicle Diagnostics:

The Xcalibrator 2 can read and erase DTCs (Diagnostic Trouble Codes) via the LCD display. This feature will work on most late model GM OBD2 vehicles. The Xcalibrator 2 can also read your vehicle's VIN number and PCM calibration ID numbers. This information may be used when troubleshooting a problem on your vehicle's PCM.

Technical Support:

Should an issue arise while programming your vehicle and your SCT Custom Tuning Dealer is unavailable, please do not hesitate to contact our Technical Support Dept. Monday - Friday 9am - 6pm EST. Support questions can also be answered on our web site discussion forums at www.SCTFLASH.COM

How to Program your GM Vehicle:



IMPORTANT! DO NOT UNPLUG THE Xcalibrator 2 from the vehicle or turn the key off while it is FLASHING the PCM. If the Xcalibrator 2 is unplugged from the vehicle while flashing the PCM may be damaged. You can attempt to plug the device back in and recover the PCM (as long as you don't turn the key off) but it still may not recover. SCT will not be liable for damaged PCM's from accidental KEY OFF's or UNPLUGGING THE PCM while flashing the vehicle.

ON-STAR EQUIPPED VEHICLES: Remove the fuse for the On-Star System before proceeding. Please check your owners manual for fuse location.

From the Program Vehicle Menu:

Turn the key to the On / Run Position but do not start the vehicle

- 1** Select which tune file that you want to install into the vehicle from the Tune Vehicle or Return to Stock Menu. The Tune Vehicle menu will display all compatible files that can be flashed to your vehicle.
- 2** Use the UP and DOWN arrow keys to select the file you would like to program to your vehicle. Once you have found the file name that you wish to install, PRESS the select button to begin the flash process.

***NOTE:** If your vehicle's PCM has been reflashed by another tuning company or if it contains a OLDER version of GM Software, you may initially have only ONE TUNE FILE option to select from (FULL FILE REFLASH). If you choose FULL FILE REFLASH and your PCM type does not match the file that is going to be put into the PCM, irreversible PCM damage could result. USE FULL FILE REFLASH at your own RISK!

- 3** Once the flashing process is complete, the display will show "Success! Press Select". It is now safe to turn the key off. Your vehicle is now programmed and you can unplug the Xcalibrator 2.



Vehicle VIN Locking:

Once the Xcalibrator 2 has been used to program a vehicle, the flashing capability will be locked to that vehicle until that vehicle has been returned to stock. Once the vehicle is returned to stock, the Xcalibrator 2 can be unlocked by the ADVANTAGE III software and then reprogrammed to work in another compatible GM vehicle by any SCT GM tuning dealer (up to 5 times).

Error Recovery:

IMPORTANT INFORMATION REGARDING GM VEHICLES AND ERROR RECOVERY PLEASE READ!

In the event the Xcalibrator2 does not successfully flash the vehicle, it will display an error message on the LCD display.

A few examples of error messages include, but are not limited to:

- Error 22 - Time Out
- Error 48 - DLCS Time Out
- Program Failed, Press Select

If this happens, DO NOT turn the key off, or you risk losing communications with your vehicle control module. To recover from a failed flash, simply attempt to program the vehicle again by flashing your file back to the vehicle.

Also in the event that you accidentally turn the key off, do NOT unplug the XC2. In most cases the Xcalibrator 2 will automatically finish programming the vehicle (even with the key off).

Limited 90 Day Warranty:

SCT warrants its products to be free from manufacturers defects for a period of 90 days from the date of sale to the SCT dealer. Should a device arrive in non-working order or is not functioning properly, please contact our Technical Support staff immediately for instructions on returning the device.

Other Information

The Xcalibrator 2 and Live Link data logging software should not be used by the operator of a motor vehicle while it is in motion. Not for use or sale on pollution controlled vehicles. Always obey local traffic laws.

