

SCT QUICK START

Programming the Vehicle:

1 Power on the X3/SF3

To power up, connect to the vehicle's OBDII port. **Where is it?** The OBDII port is located within 24" of the steering column under the drivers dash.

2 Begin Programming

From the main menu, scroll to **Program Vehicle** and press **Select**. The key should be in the ignition, but remain OFF until the screen says Turn key ON.

Within **Program Vehicle**, there are 2-3 choices depending on the programmer model.

Strategy Tune = (SF3 Only) Preloaded SCT Tunes

Custom Tune = Option for Custom Tuning Dealer File

Return to Stock = Restore original factory file to vehicle

3a Using Preloaded Strategy Tunes

To install the SF3's Preloaded Strategy Flash Tunes, scroll to **Strategy Tune** and press **Select**. Follow the on screen instructions to go through the programming process.

FAQ: Where do I pick which tune to install?

To choose which Preloaded Tune to install, select **Adjust Options** at the **Adjust Options** menu.

To install the default Preloaded Tune, select **Skip**

FAQ: How do I know what the Options do?

Check out the **Adjustable Options Explained** section of this guide for info on Preloaded Tunes and options.

3b Using Custom Tunes

To install Custom Tunes, scroll to **Custom Tune** and press **Select**. Follow the on screen instructions to advance the programming process. (Custom tunes are built by SCT's network of Custom tuning Dealers and any questions related to them need to be directed towards the tuning dealer.)

3c Returning to Stock

The stock file is stored during initial programming. The stock file stays on the programmer until returned to stock. Select the **Return to Stock** icon and follow the on screen instructions to advance the programming process.

Helpful Tip:
If the tuner doesn't power up check the fuses for a blown OBDII/Cigarette Lighter fuse.



Adjustable Options Explained (Options vary by vehicle)

DIESEL VEHICLES SPECIFIC OPTIONS:

Performance	The most aggressive preloaded diesel tune. Good for everyday use, racing, economy but not recommended for any type of towing.
Street	Less power than Performance. moderate gain over stock, safe for light towing.
Towing	Should be used when towing any significant load. Shifting is Towing centered.
Trans Only	For Heavy Loads, Engine and Boost left stock, Trans Only tune.
Jake Brake	Exhaust brake to increase engine braking while coasting, lowers brake temps.
Locked at CT	Keeps the torque converter locked during decel to aid in engine braking.
Lock in 1-2-3	Locks the torque converter in 1st, 2nd and 3rd gear.
Agg. Tow Haul	More aggressive shift schedule keeping the engine in its power band longer.

DIESEL AND GAS SHARED OPTIONS:

EGR Delete	Removes the check engine light caused by deleting EGR mechanically.
Axle Ratio	Set the axle ratio to correct shift patterns and speedometer.
Tire Size	Set the tire size to correct shift patterns and speedometer.
Idle Speed	Sets Idle speed in RPM.
Traction Ctrl	On/Off setting disables traction control without using the tcs button.
WOT Shift	Increase or Decrease the WOT Shift points of each gear individually by mph.
Shift Press	% change in transmission pressure during shifts. (+=firmer) (-=softer)

GAS VEHICLES SPECIFIC OPTIONS:

Octane Based Tunes	Gas Vehicles preloaded tunes vary Performance levels by Octane. Premium fuel will provide the best performance increase.
Towing Tune	Adjusts the Octane based tunes to focus more on towing over performance.
Economy Tune	Adjusts the Octane based tunes to focus on economy over performance.
Rear O2's	Disables the Rear O2s and eliminates CEL caused by rear O2 removal.
Global Spark	Add or Remove Timing Advance to the entire RPM range.
Spark by RPM	Add or Remove Timing by RPM Range. (0-2000)(2000-4000)(4000-8000)
WOT Fuel	Add or Remove Fuel at Wide Open Throttle. (WOT)
Fuel Injectors	Allows you to adjust for different sized injectors. (not available on all vehicles)
CMCV Deletes	Updates tune to handle the CMCV/IMRC delete plates modification.
Fan Control	Lowers the Temperature at which the Fan turns on.
Rev Limit	Sets Rev Limit in RPM.
Speed Limit	Remove, Increase or Decrease the vehicle speed limiter. (aka governor)

Loading Custom Tunes to the X3/SF3:

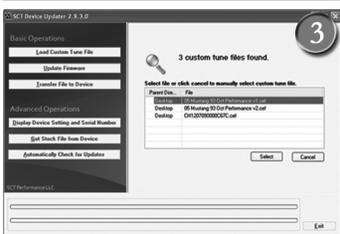
Download and install the SCT Device Updater:

<http://sctflash.com/software/SCTDeviceUpdater.exe>

From email save your custom tunes (.cef) to the desktop.



1) Open the SCT Device Updater Software Click the **Load Custom File** button.



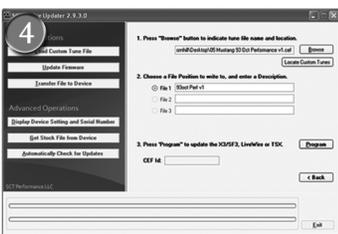
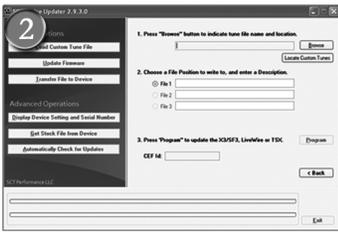
2) Click the **Locate Custom Tunes** button.

3) Select Tune to load. If none listed, go back and use the browse button.

4) Select the file position, and type a name for the tune file.

Press the **Program** button.

For more than one tune file, repeat this process.



Frequently Asked Questions:

Q: When I connect the tuner to the vehicle, it doesn't power on.

A: Check for blown fuses for OBDII/Cigarette Lighter.

Q: Where do I find the other pre-loaded tunes?

A: Preloaded tunes are chosen by selecting adjust options during programming.

Q: Does the tuner have to stay plugged in to keep the vehicle tuned?

A: No, after tuning, you can disconnect the programmer.

Q: Can I stack/combine the SCT programmer with another chip or tuning module?

A: All Chips/Tuning Products must be removed before tuning with SCT.

Q: What is the difference between SF3 and X3?

A: The SF3 is Preloaded with SCT's strategy flash tunes and can hold 3 custom tunes, the X3 is for custom tunes only. All other features are the same.

Q: Can I tune more than one vehicle with this programmer?

A: 1 vehicle tuned at a time. You may return to stock and tune another vehicle up to 5 times.

Q: Can the vehicle be tuned while the engine is running?

A: No, this can cause severe damage to the vehicle and PCM.

Q: Can I use a lower octane fuel than the tune file lists?

A: No, you must use the same octane fuel that the vehicle is tuned for. Failure to use the proper octane can result in severe engine damage.

Q: Should I return to stock before taking my vehicle to the dealer?

A: Yes, this prevents the tuner from becoming locked if the dealer updates the pcm.

Q: How often do I update my programmer?

A: You should always check for updates before tuning the vehicle.

On-Device Data Logging:

Connect the X3/SF3 to the OBDII port.

From the main menu, scroll to the **Data Logging** icon and press **Select**.

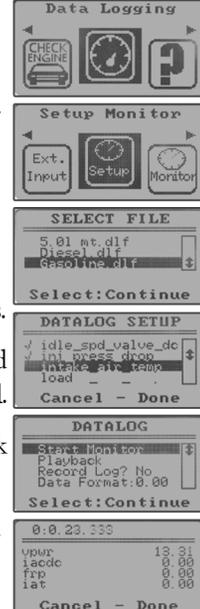
To choose the pids to log, highlight **Setup Monitor** and press **Select**. To configure analog inputs such as a wideband or other 5v source, select **Yes** at the **Config Analog Inputs** menu. If none, select **No**.

Next, choose the applicable datalog file from the **Select File** menu. This is also where advanced users will select custom loaded datalog files.

Next select pids to datalog by highlighting and pressing **Select**. Selected pids will have a checkmark next to the pid name. When done, press **Cancel**.

If you plan to playback the datalog or export and view it within LiveLink make sure to change **Record Log** to **Yes**.

Next, select **Start Monitor**, you will be prompted to start the vehicle's engine. Press **Select** to begin recording and **Cancel** to stop.



Important On-Device Information:

From the main menu, select the **Device Info** icon, within the **Device Info** menu, you will find the following:

Serial Number: Needed for dealers to create custom tunes.

FW Version: Firmware Version, similar to operating system.

Tune Version: Preloaded tunes version number.

Unlocks Left: Number of unlocks remaining, an unlock is used when the tuned vehicle is returned to stock and a 2nd vehicle is programmed.

Married Status: UnMarried/Married, aka Locked/Unlocked

Read Vehicle VIN & Strategy:



From the main menu, select the **Vehicle Info** icon.



Select **Vehicle Info** again. You'll be asked to turn the key on.



The VIN and Comm type will be displayed.



Press select to view the vehicle Strategy.

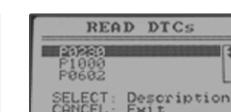
Check Vehicle for DTCs:



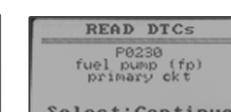
From the main menu, select the **Vehicle Info** "Check Engine."



Select **Read DTC**. You'll be prompted for key on; press select



If any DTCs are present, they will be shown on the screen.



Highlight the DTC and press select to display the description.

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