Loading Custom Tune File into Vehicle:

1. Locate the OBD2 diagnostic port, which you will plug the cord into. This plug can sometimes be difficult to locate but it will be on or near the steering column! Ford sends the chassis to the body builder with the connector on the right-hand side of the steering column support, up above the shroud. There may or may not be a plastic cover over the plug. Coach builders will commonly relocate this plug to somewhere under the dash, but the lead length prevents it from being mounted more than 2 feet away from the steering column.
2. After plugging device into OBD2 diagnostic port, wait until screen boots up to the main menu.
3. "Program Vehicle" will be the default selection on the screen. Using the center button, select this.
4. The next screen will be a "Street Use" disclaimer, just push the center button to continue.
5. You will now be prompted to turn the ignition to the "Run" position, go ahead and do this but do not start the engine. After the key is in the run position, push the center button to continue.
6. The device will now show it "Processing Data" while it communicates with the vehicle.
7. The next screen is going to likely display "Unsupported Vehicle" but this is just for pre-loaded tunes for cars and light duty trucks. Using the bottom arrow, scroll down to "Custom Tunes" and highlight "UltraPower" and push the center button to continue.
8. The next screen will confirm that you want to program the custom tune "UltraPower" with your strategy code listed. Push the center button to accept and continue.
9. The next screen will depend on the vehicle, sometimes it will pop up with "Turn the Key on" briefly (key should already be on) and then it will advance on its own to processing the data and saving the stock file. Other vehicles may prompt you to turn the key off, and then back on again.
10. The loading procedure will automatically continue, so just sit back and relax for about 5 minutes while the stock file is saved to the device and the custom tune file is downloaded.
11. When the loading is done, the device may ask you to turn the key to the off position and then back on. Not all vehicles do this so just follow whatever on screen instructions you receive. Once the process is complete you will receive a message on the screen stating that the tune has been installed successfully and that you may turn the key off and unplug the device.

Additional Support:

If you have gone through these instructions and are still experiencing issues with any part of the installation, please contact us for assistance.

Technical Assistance:
Phone: 800-417-4559
Text: 360-736-2158
E-mail: help@urvp.com

OBD2 Connector

Troubleshooting Guide:

Concern: Vehicle will not start after tune is loaded successfully.
Common Cause: The strategy code in the vehicles PCM is likely not matching the tune we loaded on the device. This can be caused by Ford performing a reflash on the vehicle that changed the strategy from what it was originally.
Common Correction: Return the vehicle back to stock. From the main menu, select "Vehicle Info". It will prompt you to turn the key on, and then it will load an info page. Take a picture or write down the "ECU Strategy". Compare the ECU Strategy code to the one written down on the tag on the box the tuner came in. If they do not match, we will need to make a new tune based off the updated strategy code. This new tune can be emailed to you to download to the device (Windows based PC required). If the strategy codes do match, please contact us to troubleshoot further.

Concern: Receiving general error stating "110AF Full Flash not Allowed on this Vehicle".
Common Cause: Device firmware needs updated.
Common Correction: Download SCT Updater software on your computer (Windows based PC required) and run the automatic check for updates. Proceed with installing any updates. Depending on how long ago the device was last updated, this process may take a couple minutes to several hours to complete. If further assistance is needed, please contact us.

Concern: Receiving a general error stating "110D8 - Acknowledgement Failed" or "110B8 - General Error During Upload" or "11020 – Unable to Unlock the Vehicle Processer"
Common Cause: Low voltage to the vehicle's powertrain control module (PCM).
Common Correction: Verify that the key is being turned to the "On" position, right before the engine starts cranking. If that is not the issue, check the PCM voltage with the key off and then with the key on. To do this, navigate to "Device Info" from the main menu. Press the "up" arrow until you find a listing for "vBatt". Record what voltage is displayed with the key in the "off" position. Exit the menu, turn the key to the "on" position and redo the same process. Record what is listed for "vBatt".

- Key on vBatt lower than 11.7? ***Charge engine battery***
- Difference between key on and key off vbatt more than 0.5 volts? ***Charge engine battery***
- Aftermarket electronics? ***Pull fuses for all aftermarket parts.***
- The vehicle may have an electronic issue if the voltage changes quickly.
- Do a battery reset and read/clear DTCs

Concern: Receiving error message "Upload error # 110BE, unable to unlock the vehicle".
Common Cause: Switching of the key from "off" back to "on" was not done quick enough or was done too quick.
Common Correction: Retry loading the tune and when it says to turn the key off, do that and then wait 2-3 seconds and then turn the key back on. You might have to try doing this a couple different ways if continuing to get the error, such as turning the key off and then right back on with less time in between the cycling of the key. Contact us for further assistance if this does not solve the problem.

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Changing back to Stock Tune with the SCT X4

1. Plug device into OBD2 port located underneath dash.

2. Once screen loads, select "Program Vehicle" from the main menu:
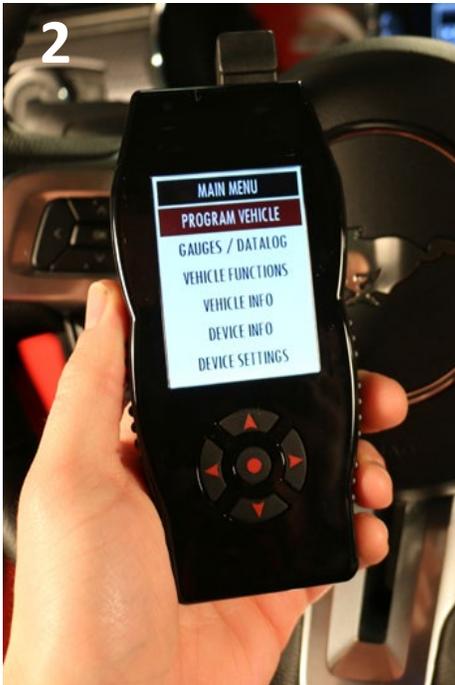
4. Follow the device prompt to cycle the key to the ON position to setup the device:

6. Follow device prompts to cycle the key to the ON/OFF position to complete restoring the stock tune:

7. Your vehicle will now have the stock tune installed and become "Unmarried" which will allow you to use the device on other vehicles if desired.
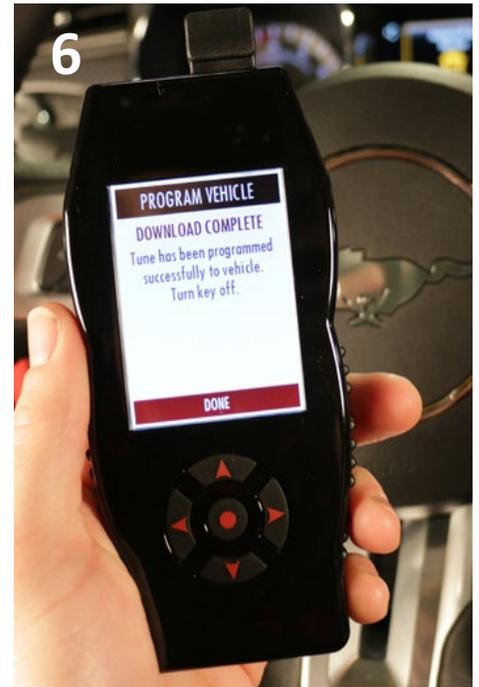
3. Select the "Return to Stock" option from the bottom of the menu:

5. The tuner will restore the stock tune the PCM indicated by a progress bar: