

X-Celerator Plus

**The Most Powerful and Advanced
Flash Tuner and Code Reader Available
For Your GM Vehicle.**

**Tune your own engine!
Easy, Do-It-Yourself Installation!
No Special Tools Needed!**

Choose tuning for three grades of fuel: 87 - 89 - 92 octanes.

Calibrate engine tuning and torque for maximum power.

Recalibrate speedometer to match speed rating of your tires.

Recalibrate for gear ratio from 3.08 - 4.56 on 1999 - 2003.

Recalibrate for gear ratio from 3.08 - 5.13 on 1999 - 2003.

**Calibrate for undersize / oversize tires up to 38"
for 1996 - 2000 vehicles.**

**Calibrate for undersize / oversize tires up to 44"
for 1999 - 2003 vehicles.**

Adjust transmission shift points and torque.

Adjust shift firmness for longer transmission life.

Correct transmission for proper shifting.

Adjust the spark curve for fine tuning.

Read diagnostic codes.

Erase diagnostic codes.

Ping Control.

**With the X-Celerator Plus,
you can download and retune
your vehicle in 10 - 15 minutes!**

X-Celerator Plus

Installation Manual

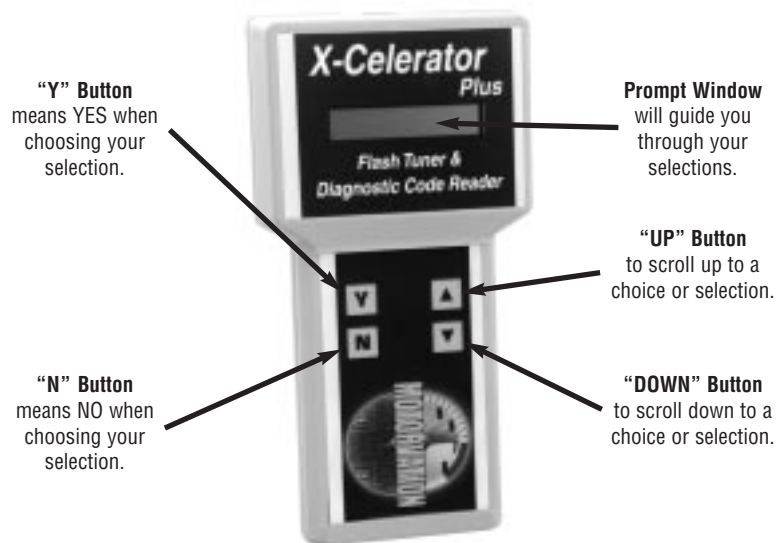
**The Most Powerful and Advanced
Flash Tuner and Code Reader Available
For Your GM Vehicle.**



**IMPORTANT!
KEEP THESE INSTRUCTIONS!**

*Features may vary on some applications.
Custom tuning is available for modified vehicles.*

X-CELERATOR PLUS E-Z INSTRUCTIONS



The most powerful and advanced handheld flash tuner and code reader available for your GM vehicle.

The X-Celerator Plus will allow you to tune your engine and transmission combination on most applications to your desired needs for power, torque and economy. This can be done quickly, easy and as often as you desire, by following the step-by-step instructions. With the X-Celerator Plus you can:

- Calibrate speed limiter to match the speed rating of your tires
- Calibrate fuel octane level for various fuels
- Adjust the spark for the fine tuning of the ignition timing
- Correct the speedometer for proper transmission shifting
- Recalibrate the speedometer for gear and tire changes
- Calibrate for gear ratio changes from 3.08 - 4.56 1999-2003
- Calibrate for gear ratio changes from 3.08 - 5.13 1999-2003
- Calibrate for under/oversize tires from 25" - 38" tall 1996-2000
- Calibrate for under/oversize tires from 25" - 44" tall 1999-2003
- Calibrate the engine tuning and torque for maximum power
- Adjust the transmission shift points and torque
- Adjust the shift firmness for extended transmission life

WARRANTY

MOTORVATION Inc. wants you to be happy with your purchase.

Our products come with a LIFETIME WARRANTY. We will repair or replace any defective product to the original purchaser. We guarantee complete satisfaction.

We stand behind our products 100%, however, we cannot be responsible for any vehicle down time or any expenses that may be incurred in the process. We also cannot be responsible for any damages occurring from improper installation.

Our products will not void your vehicle's factory manufacturer's warranty as our products meet or exceed C.A.R.B. requirements.

RETURNS

All products returned to MOTORVATION must state reason for return and have a RGA number attached. Call MOTORVATION tech to check any problems you may have with your X-Celerator Plus. We are happy to assist you in any way with your purchase. We hope you enjoy the X-Celerator Plus. Tell your friends about MOTORVATION.

MOTORVATION

MOTORVATION CORPORATION

**610 Sandridge Street
Memphis, TN 38122
BUS 901-821-0033 · FAX 901-821-0032**

GREAT PRODUCTS FROM MOTORVATION



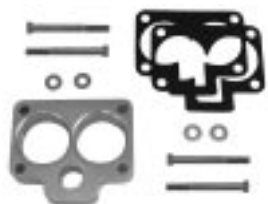
POWER STROKE® MODULE



CHIPS & MODULES



WIDE SELECTION OF MOTIVATORS



EXAMPLE MOTIVATOR KIT



MOTIVATED PULLEYS



KOOLSTATS

READY FOR POWER AND EXCITEMENT!

Congratulations! You have purchased the most advanced Flash Tuner and Diagnostic Code Reader! You will discover after flashing your computer, your vehicle will have a better throttle response, more torque and more horsepower, all without sacrificing fuel economy. The X-Celerator Plus is specifically designed on a dynamometer and road tested for engine and transmission tuning. Absolutely, the most powerful handheld on the market. Each setting of the X-Celerator Plus will deliver optimized results.

Before operating your X-Celerator Plus:

- Read this entire instruction booklet carefully. The step-by-step directions will make using your X-Celerator Plus much simpler. The X-Celerator Plus will perform many steps automatically.
- Be sure the vehicle's battery is fully charged before using the X-Celerator Plus. DO NOT attempt to reprogram your computer with a low charged battery or while connected to a battery charger.
- Turn off all electrical systems - lights, radio, air conditioning, CD/DVD players, power amplifiers, cellular phones, etc.
- Set the parking brake. This turns the Daytime Running Lights (DRL) off. If left on, this may interfere with re-flash and drain battery.
- Disable the OnStar® feature if equipped.
- Pre-determine your choices before starting your programming session (measure tires and determine gear ratio).

What to do BEFORE taking your vehicle in for service.

If you have to take your vehicle in for service, you must remove the X-Celerator Plus tuning and restore your vehicle to its stock settings. Failure to program the vehicle back to stock may result in unnecessary and costly repairs not covered by MOTORVATION Corporation. Before you have any work done on the vehicle make sure the X-Celerator Plus tuning is removed. If you have failed to return the vehicle back to its stock condition and the vehicle is re-flashed, due to updates, your X-Celerator Plus may not work correctly, which is not covered by the MOTORVATION warranty!

CAUTION!

Failure to follow instructions may cause computer to malfunction and render vehicle inoperable.

READY FOR POWER AND EXCITEMENT!

As stated earlier you will have to disable the Special Equipment Option of the vehicle. To do so we have included the procedure as described below. Whether you are equipped or not, you must pull these fuses.

1996-2000

Locate the fuse panel under-hood driver-side. Remove fuse panel cover. One 10 amp fuse must be removed prior to programming your vehicle.

Remember to reinstall the fuses back into their proper places before restarting your vehicle.

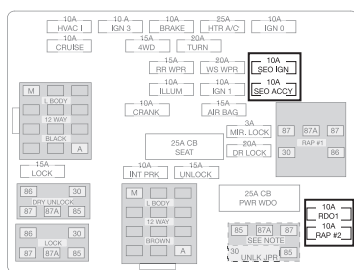
Fuse Name	Fuse Description
Radio (17)	Radio Fuse 17

1999-2002

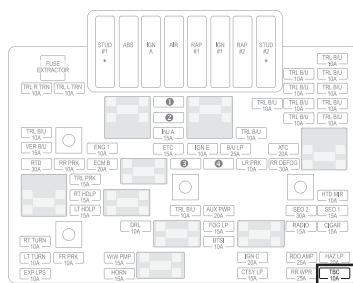
Locate the fuse panel just inside of the driver-side door on the side of the dashboard. Remove fuse panel cover. Four 10 amp fuses must be removed prior to programming your vehicle. Next, locate the fuse block under the hood and remove the one 10 amp fuse as shown below.

Remember to reinstall the fuses back into their proper places before restarting your vehicle.

Fuse Name	Fuse Description
SEO IGN	Special Equipment Option (full time)
SEO ACCY	Special Equipment Option (switched)
RDO 1	Audio System
RAP 2	Radio and Power Options
TBC	Body Computer (exterior fuse block)



Interior Fuse Block
(driver-side)



Exterior Fuse Block
(under hood)

DIAGNOSTIC CODE READER

P1271	Accelerator Pedal Position (APP) Sensor 1-2 Correlation
P1272	Accelerator Pedal Position (APP) Sensor 2-3 Correlation
P1273	Accelerator Pedal Position (APP) Sensor 1-3 Correlation
P1275	Accelerator Pedal Position (APP) Sensor 1 Circuit
P1276	Accelerator Pedal Position (APP) Sensor 1 Performance
P1280	Accelerator Pedal Position (APP) Sensor 2 Circuit
P1281	Accelerator Pedal Position (APP) Sensor 2 Performance
P1285	Accelerator Pedal Position (APP) Sensor 3 Circuit
P1286	Accelerator Pedal Position (APP) Sensor 3 Performance
P1336	Crankshaft Position (CKP) System Variation Not Learned
P1351	Ignition Coil Control Circuit High Voltage
P1352	Ignition Bypass Circuit High Voltage
P1361	Ignition Control (IC) Circuit Low Voltage
P1362	Ignition Bypass Circuit Low Voltage
P1374	Crankshaft Position (CKP) Resolution Frequency Correlation
P1380	Misfire Detected - Rough Road Data Not Available
P1381	Misfire Detected - No Communication with Brake Control Module
P1404	Exhaust Gas Recirculation (EGR) Closed Position Performance
P1415	Secondary Air Injection (AIR) System Bank 1
P1416	Secondary Air Injection (AIR) System Bank 2
P1441	Evaporative Emission (EVAP) System Flow During Non-Purge
P1514	Throttle Body Performance
P1515	Control Module Throttle Actuator Position Performance
P1516	Throttle Actuator Control (TAC) Module Performance
P1517	Throttle Actuator Control (TAC) Module Performance
P1518	Throttle Actuator Control (TAC) Module Serial Data Circuit
P1519	Throttle Actuator Control (TAC) Module Internal Circuit
P1523	Throttle Closed Position Performance
P1539	Air Conditioning (A/C) Clutch Feedback Circuit High Voltage
P1546	Air Conditioning (A/C) Clutch Feedback Circuit Low Voltage
P1546	Air Conditioning (A/C) Clutch Relay Control Circuit
P1571	Traction Control Torque Request Circuit
P1574	Stop lamp Switch Circuit
P1586	Cruise Control Brake Switch 2 Circuit
P1626	Theft Deterrent Fuel Enable Signal Lost
P1629	Theft Deterrent Fuel Enable Signal Not Received
P1635	5 Volt Reference 1 Circuit
P1637	Generator L-Terminal Circuit
P1639	5 Volt Reference 2 Circuit
P1689	Traction Control Delivered Torque Output Circuit
P1810	TFP Valve Position Switch Circuit
P1860	TCC PWM Solenoid Circuit Electrical
P1870	Transmission Component Slipping

DIAGNOSTIC CODE READER

P0606	Control Module Internal Performance
P0608	Vehicle Speed Output Circuit
P0620	Generator Performance
P0645	Air Conditioning (A/C) Clutch Relay Control Circuit
P0650	Malfunction Indicator Lamp (MIL) Control Circuit
P0704	Clutch Switch Circuit
P0711	TFT Sensor Circuit Range/Performance
P0712	Transmission Fluid Temperature (TFT) Sensor Circuit Low Input
P0713	Transmission Fluid Temperature (TFT) Sensor Circuit High Input
P0719	Brake Switch Circuit Low Input
P0724	Brake Switch Circuit High Input
P0740	TCC Enable Solenoid Circuit Electrical
P0742	TCC System Stuck On
P0748	Pressure Control Solenoid Circuit Electrical
P0751	1-2 Shift Solenoid Valve Performance
P0751	1-2 Shift Solenoid Valve Performance - No First or Fourth Gear
P0752	1-2 Shift Solenoid Valve Performance - No Second or Third Gear
P0753	1-2 Shift Solenoid Circuit Electrical
P0756	2-3 Shift Solenoid Valve Performance
P0756	2-3 Shift Solenoid Valve Performance - No First or Second Gear
P0757	2-3 Shift Solenoid Valve Performance - No Third or Fourth Gear
P0758	2-3 Shift Solenoid Circuit Electrical
P0785	3-2 Shift Solenoid Circuit Electrical
P0801	Reverse Inhibit Solenoid Control Circuit
P0803	Skip Shift Solenoid Control Circuit
P1106	Manifold Absolute Pressure (MAP) Intermittent High Voltage
P1107	Manifold Absolute Pressure (MAP) Intermittent Low Voltage
P1111	Intake Air Temperature (IAT) Intermittent High Voltage
P1112	Intake Air Temperature (IAT) Intermittent Low Voltage
P1114	Engine Coolant Temperature (ECT) Intermittent Low Voltage
P1115	Engine Coolant Temperature (ECT) Intermittent High Voltage
P1120	Throttle Position (TP) Sensor 1 Circuit
P1121	Throttle Position (TP) Sensor Circuit Intermittent High Voltage
P1122	Throttle Position (TP) Sensor Circuit Intermittent Low Voltage
P1125	Accelerator Pedal Position (APP) System
P1133	HO2S Insufficient Switching Bank 1 Sensor 1
P1134	HO2S Transition Time Ratio Bank 1 Sensor 1
P1153	HO2S Insufficient Switching Bank 2 Sensor 1
P1154	HO2S Transition Time Ratio Bank 2 Sensor 1
P1220	Throttle Position (TP) Sensor 2 Circuit
P1221	Throttle Position (TP) Sensor 1- 2 Correlation
P1258	Engine Coolant Over temperature - Protection Mode Active

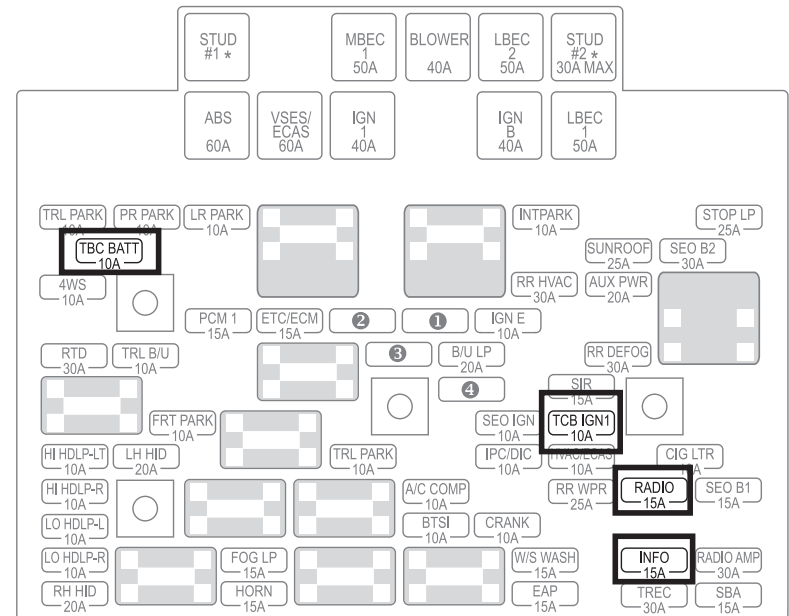
READY FOR POWER AND EXCITEMENT!

2003

Locate the fuse panel under the hood on the driver-side fender. Remove fuse panel cover. Two 15 amp and two 10 amp fuses must be removed prior to programming your vehicle.

Remember to reinstall the fuses back into their proper places before restarting your vehicle.

Fuse Name	Fuse Description
INFO	Information Center
Radio	Audio System
TBC IGN1	Body Control Module (switched)
TBC BATT	Body Control Module (full-time)



Exterior Fuse Block (Under hood)

PROGRAMMING YOUR VEHICLE

1. To begin the programming process, plug the small end of the cable (supplied in the box) onto the top of the X-Celerator Plus
2. Turn the ignition key to the "ON" position.
3. You will plug the large end of the cable into the OBDII link connector under the lower edge of the dash, near the parking brake release lever.
4. The first prompt, will appear in the X-Celerator Plus prompt window after the power cable has been plugged into the OBDII link connector.
5. Within a few seconds another prompt will automatically appear. DO NOT START ENGINE!
6. The X-Celerator Plus next reads in the Vehicle Identification Number (VIN). This will be automatically locked into the X-Celerator Plus memory and can only be used on the vehicle with this VIN installed in the computer memory.
7. Next the X-Celerator Plus will download the vehicles stock settings into memory. This information is saved for future usage. DO NOT DISTURB, UNPLUG, OR PUSH ANY X-Celerator Plus BUTTONS DURING THIS FUNCTION. If the cable is accidentally disconnected or programming is interrupted, turn ignition key to the "OFF" position and unplug the ProFlash cable from the OBDII Link Connector. Start from the beginning of the process again or call (901) 821-0033 8:30 a.m. to 5:30 p.m. CST for further assistance.
8. Once the stock information is downloaded into the X-Celerator Plus memory, the X-Celerator Plus will display your vehicle's engine and transmission types in the prompt window.
9. The X-Celerator Plus will now ask you if you want to customize your vehicle's programming or return it back to stock settings
10. To begin returning your vehicle to stock the X cursor should be next to the "RETURN TO STOCK". To agree with this choice press the "Y" button and proceed to step 19. To begin the customization process, move the X cursor to the "OR CUSTOMIZE" by pressing the ▼ (down) button once. To agree with this choice press the "Y" button and proceed to step 11.

DIAGNOSTIC CODE READER

P0353	Ignition Coil 3 Control Circuit
P0354	Ignition Coil 4 Control Circuit
P0355	Ignition Coil 5 Control Circuit
P0356	Ignition Coil 6 Control Circuit
P0357	Ignition Coil 7 Control Circuit
P0358	Ignition Coil 8 Control Circuit
P0401	Exhaust Gas Recirculation (EGR) Flow Insufficient
P0403	Exhaust Gas Recirculation (EGR) Solenoid Control Circuit
P0404	Exhaust Gas Recirculation (EGR) Open Position Performance
P0405	Exhaust Gas Recirculation (EGR) Sensor Circuit Low Voltage
P0410	Secondary Air Injection (AIR) System
P0412	Secondary Air Injection (AIR) Solenoid Control Circuit
P0418	Secondary Air Injection (AIR) Pump Relay Control Circuit
P0420	Catalyst System Low Efficiency
P0420	Catalyst System Low Efficiency Bank 1
P0430	Catalyst System Low Efficiency Bank 2
P0440	Evaporative Emission (EVAP) System
P0442	Evaporative Emission (EVAP) System Small Leak Detected
P0443	Evaporative Emission (EVAP) Purge Solenoid Control Circuit
P0446	Evaporative Emission (EVAP) Vent System Performance
P0449	Evaporative Emission (EVAP) Vent Solenoid Control Circuit
P0452	Fuel Tank Pressure Sensor Circuit Low Voltage
P0453	Fuel Tank Pressure Sensor Circuit High Voltage
P0461	Fuel Level Sensor Performance
P0462	Fuel Level Sensor Circuit Low Voltage
P0463	Fuel Level Sensor Circuit High Voltage
P0480	Cooling Fan Relay 1 Control Circuit
P0481	Cooling Fan Relay 2 and 3 Control Circuit
P0500	Vehicle Speed Sensor (VSS) Circuit
P0502	Vehicle Speed Sensor (VSS) Circuit Low Input
P0503	Vehicle Speed Sensor (VSS) Circuit Intermittent
P0506	Idle Speed Low
P0507	Idle Speed High
P0530	Air Conditioning (A/C) Refrigerant Pressure Sensor Circuit
P0560	System Voltage
P0562	System Voltage Low
P0563	System Voltage High
P0567	Cruise Control Resume Switch Circuit
P0568	Cruise Control Set Switch Circuit
P0571	Cruise Control Brake Switch Circuit
P0601	Control Module Read Only Memory (ROM)
P0602	Control Module Not Programmed
P0604	Control Module Random Access Memory (RAM)

DIAGNOSTIC CODE READER

P0135	HO2S Heater Performance Bank 1 Sensor 1
P0137	HO2S Circuit Low Voltage Bank 1 Sensor 2
P0138	HO2S Circuit High Voltage Bank 1 Sensor 2
P0140	HO2S Circuit Insufficient Activity Bank 1 Sensor 2
P0141	HO2S Heater Performance Bank 1 Sensor 2
P0151	HO2S Circuit Low Voltage Bank 2 Sensor 1
P0152	HO2S Circuit High Voltage Bank 2 Sensor 1
P0153	HO2S Slow Response Bank 2 Sensor 1
P0154	HO2S Circuit Insufficient Activity Bank 2 Sensor 1
P0155	HO2S Heater Performance Bank 2 Sensor 1
P0157	HO2S Circuit Low Voltage Bank 2 Sensor 2
P0158	HO2S Circuit High Voltage Bank 2 Sensor 2
P0160	HO2S Circuit Insufficient Activity Bank 2 Sensor 2
P0161	HO2S Heater Performance Bank 2 Sensor 2
P0171	Fuel Trim System Lean Bank 1
P0172	Fuel Trim System Rich Bank 1
P0174	Fuel Trim System Lean Bank 2
P0175	Fuel Trim System Rich Bank 2
P0200	Injector Control Circuit
P0201	Injector 1 Control Circuit
P0202	Injector 2 Control Circuit
P0203	Injector 3 Control Circuit
P0204	Injector 4 Control Circuit
P0205	Injector 5 Control Circuit
P0206	Injector 6 Control Circuit
P0218	Transmission Fluid Over temperature
P0230	Fuel Pump Relay Control Circuit
P0300	Engine Misfire Detected
P0325	Knock Sensor (KS) Circuit
P0325	Knock Sensor Module Performance
P0327	Knock Sensor (KS) 1 Circuit
P0327	Knock Sensor (KS) Circuit Bank 1
P0332	Knock Sensor (KS) 2 Circuit
P0332	Knock Sensor (KS) Circuit Bank 2
P0335	Crankshaft Position (CKP) Sensor Circuit
P0336	Crankshaft Position (CKP) Sensor Circuit
P0336	Crankshaft Position (CKP) Sensor Performance
P0341	Camshaft Position (CMP) Sensor Performance
P0342	Camshaft Position (CMP) Sensor Circuit Low Voltage
P0343	Camshaft Position (CMP) Sensor Circuit High Voltage
P0351	Ignition Coil 1 Control Circuit
P0352	Ignition Coil 2 Control Circuit

PROGRAMMING YOUR VEHICLE

11. Your first customizing choice is the "SPEED LIMITER". To leave the speed limiter stock the X should be on [X STOCK]. To agree with this choice press the "Y" button and proceed to step 12. To change to 130 mph X should be on X 130MPH, press the "Y" button. To change to UNLIMITED, press the ▼ (down) button to scroll [X UNLIMITED] on the screen, then proceed to step 12.

CAUTION!

Make sure your tires are properly approved to choose these options. Do not adjust your vehicle's speed limiter to exceed the manufacturer's safety speed ratings on your vehicle's tires.

12. "ADJUST SPEEDOMETER Y/N" Press "Y" go to step 13, Press "N" skip to step 15.
13. Next the "AXLE GEAR RATIO". Same as above, make your selection according to what axle gear ratio you have. To change the axle ratio the X cursor should match the gears you have in the vehicle. To agree with this choice press the "Y" button and proceed to step 14.

Confirm your correct stock ratio, by checking the GM RPO code sheet inside the glove box lid.

GU4 = 3.08	GU6 = 3.42	GT4 = 3.73
GT5 = 4.10	HC4 = 4.56	XXX = 4.88
XXX = 5.13		

(NOTE: XXX will not be found, aftermarket ratio only.)

(NOTE: By changing the Axle Gear ratio does not automatically change the gears in the axle. If you have 3.08 gears, telling the X-Celerator Plus it's a 3.73 doesn't make the gears a 3.73)

14. To adjust the speedometer for under/oversized tires, measure the height from the ground to the top of the tire and round it to the nearest .25". Using this information select your choice by scrolling the choices with the ▼ (down) button and then press the "Y" button and proceed to step 15.
15. To adjust the "FUEL OCTANE LEVEL" again scroll the choices and select with the ▼ (down) button for the type of fuel you are using and then press the "Y" button and proceed to step 16.

PROGRAMMING YOUR VEHICLE

- "PING CONTROL" is to fine tune the fuel octane, due to the instability of the different fuel ratings. We suggest using the 0% (default) first and then work towards + or -5%.

OVER TIMING CAN CAUSE DETONATION AND ENGINE DAMAGE.

- "ENGINE TUNE" selects the amount of performance you desire for your engine. Varying degrees of torque management are affected along with ignition timing and fuel curves. Scroll the choices and select with the ▼(down) button for the type fuel you're using and then press the "Y" button and proceed to step 18.
- "TRANS ENHANCE" is how aggressive you are wanting your shift points and torque converter control. Scroll the choices and select with the ▼(down) button for the type of shifting you desire and then press the "Y" button and proceed to step 19.
- "TRANS SHIFTING" is how firm the transmission will shift. A firmer shift can prolong the life of a transmission. Scroll the choices and select with the ▼(down) button for the type of shift pressure you desire and then press the "Y" button and proceed to step 20.
- This is the final step before the X-Celerator Plus programming session is done. To agree with all your choices press the "Y" button. If you are unsure press the "N" button and restart your selection. The X-Celerator Plus will then start the upload process. When it is updating, DO NOT DISTURB the X-Celerator Plus and/or the cable. You will see the prompt window scrolling as it updates your PCM. Once the X-Celerator Plus has finished updating your PCM you will hear the fuel pump cycle and the "WAIT FOR XX SECONDS" and "TURN KEY OFF AND REMOVE Pro-Flash" prompt will appear. Turn the ignition key to the "OFF" position and remove the cable from the OBDII Link Connector.
- Install disconnected or removed fuses. Now your vehicle is ready to be started with its new enhanced performance programming.

CAUTION!

Never attempt to cancel flash process by removing cable, turning off ignition or disconnecting battery! Wait for the X-Celerator Plus to prompt "all done" before disconnecting cable!

DTC CODE READER

Once you have programmed your vehicle, you now have the capabilities to read your vehicle's DTC Trouble codes.

Simply plug the X-Celerator cable into the DLC, you will have two choices. Scroll the cursor by pressing the "DOWN" arrow on keypad to GET DTC CODES and press "Y" to select the code reader. X-Celerator will now retrieve the trouble codes for you to review and record.

Compare your list (if any) to the included list of the GM DTC list. Remember, this is just a diagnostic aid and not a conclusive problem solver. If you have a code, you will have to research the error first, before replacing parts.

Once you have any/or all trouble codes recorded, you may clear the codes by pressing the "Y" key on the keypad.

The X-Celerator handheld programmer with the DTC reader is intended for the vehicle it programs. Use on another vehicle other than the vehicle X-Celerator has programmed may render the other vehicle inoperable or damage the X-Celerator handheld programmer; which is not covered by any of MOTORVATION Corporation warranty.

DTC CODES

P0101	Mass Air Flow (MAF) Sensor Performance
P0102	Mass Air Flow (MAF) Sensor Circuit Low Frequency
P0103	Mass Air Flow (MAF) Sensor Circuit High Frequency
P0107	Manifold Absolute Pressure (MAP) Sensor Circuit Low Voltage
P0108	Manifold Absolute Pressure (MAP) Sensor Circuit High Voltage
P0112	Intake Air Temperature (IAT) Sensor Circuit Low Voltage
P0113	Intake Air Temperature (IAT) Sensor Circuit High Voltage
P0117	Engine Coolant Temperature (ECT) Sensor Circuit Low Voltage
P0118	Engine Coolant Temperature (ECT) Sensor Circuit High Voltage
P0121	TP Sensor Circuit Insufficient Activity
P0122	Throttle Position (TP) Sensor Circuit Low Voltage
P0123	Throttle Position (TP) Sensor Circuit High Voltage
P0125	Engine Coolant Temperature (ECT) Insufficient
P0131	HO2S Circuit Low Voltage Bank 1 Sensor 1
P0132	HO2S Circuit High Voltage Bank 1 Sensor 1
P0133	HO2S Slow Response Bank 1 Sensor 1
P0134	HO2S Circuit Insufficient Activity Bank 1 Sensor 1