

Troubleshooting Guide

If, after installing the new Hypertech Power Chip and starting the engine, the "Check Engine" light stays on or flickers while the engine is running, turn off the ignition and proceed with the following steps:

1. Check the part number on your Power Chip making sure it is the correct one for your vehicle.
2. Remove the Power Chip and check for bent pins.
3. Reinstall the Power Chip, making sure the chip is completely seated and there are no bent or misaligned pins.
4. If any pinging noise is heard (indicating detonation) during heavy throttle acceleration, be sure that premium grade fuel (93 octane or the highest octane rating available in your area) is being used.
5. If any further problems are encountered, please call Hypertech at **901-382-8888** for further assistance.

What To Do Before Taking Your Vehicle In For Service

If you take your vehicle to a dealer or mechanic for service, you must first remove the Hypertech Power Chip to restore the stock programming. This is because diagnostic devices expect to find stock calibrations, and will often overwrite the program if the latest calibration is not found in the computer memory. This will result in the loss of your Hypertech Power Tuning™ data. The Power Chip can be easily removed to restore the stock tuning before you take your vehicle in for service so that the service technician can upgrade your stock calibrations. If the Hypertech Power Tuning program is overwritten at a dealership or repair shop, the Power Chip will not restore the Power Tuning data or the original stock tuning data to your vehicle.

You can avoid these problems by simply restoring the stock tuning before you take your vehicle in for service. After the service is complete, you can reinstall your Hypertech Power Tuning. If you have any questions related to service issues, please call Hypertech at 901-382-8888.

PRODUCT WARRANTY

Factory Direct Limited Lifetime Warranty

All HYPERTECH Power Tuning Products* are warranted against defects in materials or workmanship. Hypertech's liability under this warranty shall be limited to the prompt correction or replacement of any defective part of the product which HYPERTECH determines to be necessary. This Limited Lifetime Warranty is to the original purchaser for as long as he or she owns the vehicle on which the product is originally installed, providing all the information requested is furnished.

* Power Tuning products are Power Chips, Power Modules, Power Tuning Modules, and Power Programmers

COMPUTER LOCATIONS

MAKE/MODEL	YEAR	COMPUTER LOCATION
BUICK		
Century	1986-88	Behind Glove Compartment
Park Avenue	1985	Under Dash (passenger side)
Regal/Grand Nat./GNX	1981-88	Behind Kick Panel (passenger side)
Somerset	1985-88	Under Dash (passenger side)
CHEVROLET		
Astro	1986-94	Behind Kick Panel (passenger side)
Beretta/Corsica	1988-93	Behind Kick Panel (passenger side)
Camaro	1993-94	Under Hood (passenger side)
	1982-92	Under Dash (passenger side)
	1981	In center console
Cavalier	1985-93	Top of Glove Compartment
Celebrity	1985-88	Behind Glove Compartment
Corvette	1984-89	Under Dash (passenger side)
	1981-82	Behind Driver's seat (next to battery)
	1990-94	Under Hood (driver side)
Lumina	1990-93	Under Hood (passenger side)
Monte Carlo	1982-88	Behind Kick Panel (passenger side)
CK15/25/35	1984-94	Behind Glove Compartment
S10/S15	1984-94	Under Dash (passenger side)
OLDSMOBILE		
Calais	1985-88	Under Dash (passenger side)
Cutlass/442/Hurst Olds	1981-88	Behind Kick Panel (passenger side)
Cutlass Ciera	1985-93	Under Dash (passenger side)
PONTIAC		
Fiero	1985-88	In Center Console (shoulder level)
Firebird	1993-94	Under Hood (passenger side)
	1982-92	Under Dash (passenger side)
	1981	In Center Console
6000	1985-88	Behind Glove Compartment
Grand Am	1985-93	Under Dash (passenger side)
Grand Prix (RWD)	1981-87	Behind Kick Panel (passenger side)
Grand Prix	1990-93	Under Hood (passenger side)

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POWER CHIP

FOR 1981-1983 GM VEHICLES

Step by Step Installation Instructions

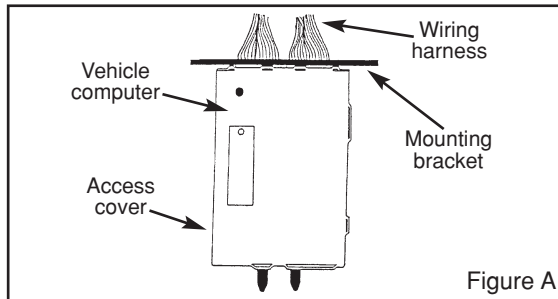
1981-1983 GM VEHICLES POWER CHIP INSTALLATION INSTRUCTIONS

Tools needed:

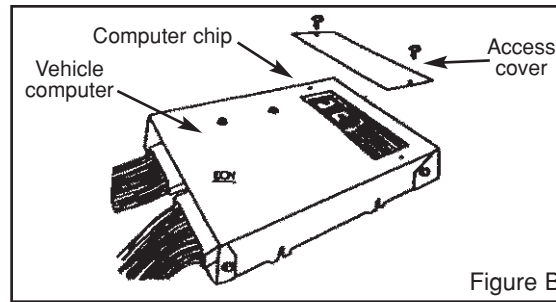
Phillips head screwdriver and a flathead screwdriver.

1. **HYPERTech POWER TUNING WAS DEVELOPED FOR 93 OCTANE PREMIUM GASOLINE. MAKE SURE YOU HAVE 93 OCTANE PREMIUM GASOLINE, OR THE HIGHEST OCTANE RATING AVAILABLE IN YOUR AREA, IN YOUR VEHICLE BEFORE INSTALLING THE POWER CHIP.**

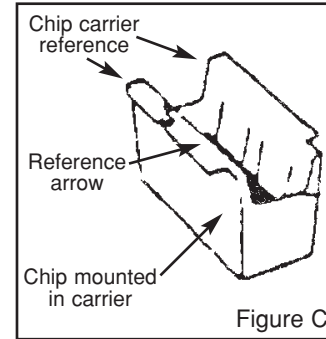
2. Remove the key from the ignition and disconnect the negative battery cable.
3. Remove the Power Chip from its packaging and check the part number, making sure it is the correct Power Chip for your vehicle.
4. Locate your vehicle computer. See "Computer Locations" on the back of this instruction sheet.
5. See Figure A. Locate either one (1) or two (2) screws that hold the vehicle computer in place. After locating the screws, remove them. In most cases, it is easier to remove the screws that hold the mounting bracket to the vehicle, and leave the vehicle computer bolted to the bracket.



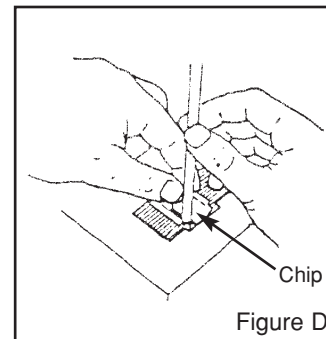
6. The vehicle computer can now be dropped down or pulled out for easier access. Unless the wiring harness connected to the vehicle computer is too short, there is no need to disconnect the harness.
7. See Figure B. Remove the access cover (small plate held on by either one (1) or two (2) screws) to expose the stock computer chip.
8. **BEFORE REMOVING THE STOCK CHIP, NOTE ITS MOUNTING POSITION IN THE VEHICLE COMPUTER.**



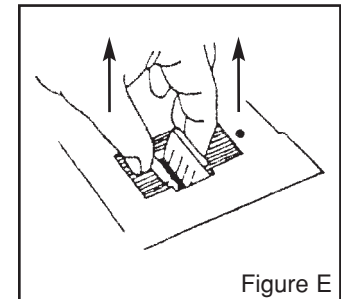
9. **COMPARE THE POSITION OF THE STOCK CHIP IN THE CARRIER WITH THE NEW POWER CHIP. NOTE THE REFERENCE NOTCH.** See Figure C. The stock chip's reference notch matches a similar notch in the carrier. It is **absolutely essential** that the new Power Chip be installed with this notch in **exactly the same location in the carrier**. Installing the Power Chip with the notch at the wrong end will destroy the chip's electronics. Most, but not all chips, will only go in one (1) way, so look carefully before removing the stock chip from the carrier.



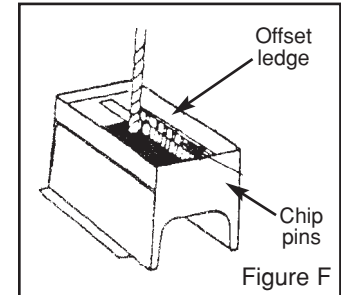
10. See Figure D. Take a small screwdriver (or similar small tool) with end blade dimensions about 1/8" wide by 1/32" thick.
11. See Figure D. Place the blade at the chip carrier reference end between the edge of the opening in the case and the underside of one (1) of the protruding lips of the carrier. Use a gentle prying motion to lift the side of the carrier up as far as possible.
12. Repeat Step 9 for both lips at opposite ends of the carrier.



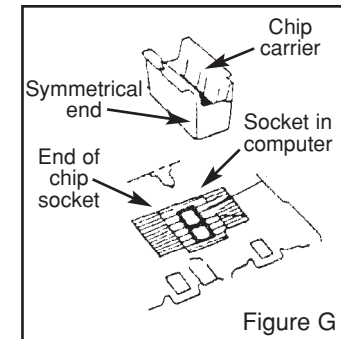
13. See Figure E. Grasp the stock chip between the thumb and forefinger. Gently rock the carrier from side to side while applying a firm upward force and remove the stock chip.



14. See Figure F. Turn the chip carrier upside down and using a blunt instrument, push the stock chip out of the carrier.

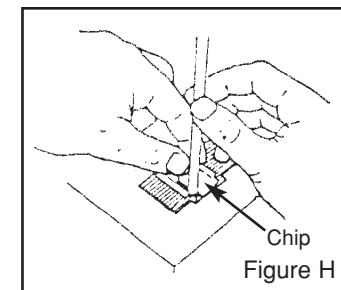


15. Insert the new Power Chip into the carrier, being sure that the chip's reference notch is going in the same direction as the reference arrow is pointing (Refer back to Figure C).



16. See Figure F. Be sure the Power Chip pins are even with the offset ledge. If they are not, use a blunt instrument to push the Power Chip down until the pins are even with the offset ledge.

17. See Figure G. Position the carrier squarely over the chip socket with the squared off symmetrical end of the carrier aligned with the end of the chip socket.



18. See Figure H. While firmly pressing down on the carrier, take a narrow blunt tool and press down on the body of the Power Chip. Try to seat the Power Chip in the socket squarely by alternately pressing on either end of it.
19. Reinstall the access cover and reinstall the fastening screw(s). Then reinstall the vehicle computer. Congratulations, your installation is complete!
20. Start the engine and allow it to warm up. Make sure it is running smoothly and the "Check Engine" light is not on.