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Speedometer Calibration (1998 F-Body) Installation Instructions (Read Carefully Before Starting Project)

Installing and calibrating your speedometer correction device.

These instructions are for **1998** Camaros and Firebirds only.

The cable you need to access is located behind the trim panel next to the passenger's right foot. It is attached to the car by four screws. One of those screws is right next to the passenger seat belt and may require the included stubby screwdriver to remove (see note about screwdriver at end).

Before installing the device, make sure the ignition is off and that you've touched something metal in the car. Static electricity is not kind to microelectronics.

Note the alignment of the trim panel, so that you can replace it correctly when you're finished.

Remove the four screws. Lift up the rear of the trim panel and gently slide it back and up. Notice how it tucks under another trim piece on the doorframe. Remove the panel and set it aside. Now you'll need to locate the proper connector. In our sample car, there are two almost identical connectors, one colored and one white. You want the white one. Carefully check the wire colors against the following chart to make sure you have the correct connector. Your car may not have all of the wires shown, but the ones that are there should match this code. If they don't match, please contact us before you install the device.

Pin	Wire Color	Used	Device Wire Color
A.	Red		
B.	Tan		
C.	Brn/Wht		
D.			
E.			
F.	Black/White	*	black
G.	Green/White	*	green and orange
H.	White		
J.	Yellow/Black		
K.	Dark Green		

When you've found the correct connector, unplug it and plug the speedometer corrector (device) in. To unplug the connector you will need to remove a locking device that is just pulled out. Then, press down on the lock tab and gently unplug the two halves. Remove the green lock tab from the connector on the device. After plugging the speedometer corrector in, install the original lock tab in its connector and install the green lock in the other connector. These lock tabs insure that the connectors cannot become unplugged. Tuck the device out of the way and use the supplied Ty-wraps to keep it from rattling. On our 2000 Camaro Z28 there is a nice "cage-like" thing to hide it inside of.

You will now need to find the pink wire in pin "G" of the blue connector. Attach the supplied red wire-tap to the pink wire and then plug the pink wire from the device into the connector. If the pink wire is missing, you'll need to find a source of switched 12V to connect the pink wire to.

If you have the optional ratio selector switch and LED, first mount the switch and the LED in a convenient location. Then, route the gray three or four-conductor cable (attached to the device) to near the switch and LED. Connect the red switch wire to the white or green wire and the red LED wire to the red wire. Connect the remaining black wires together. You may use another SPST switch in place of the one supplied. The LED is not required to operate the device. Alternately, you might consider a switch that requires a key so that it doesn't get bumped accidentally. You may flip the switch whenever it pleases you. No harm will come from flipping the switch while the car is running. If you have the option and choose not to use it at this time, just coil the gray wire out of the way behind the trim panel.

If we pre-programmed the corrector, you should now be able to replace the trim panel and be on your way. Otherwise, to program the device you'll need a laptop with a serial port and the software from our website, <http://www.CamaroElectronics.com>.

Please do not touch the laptop to any metal part of the car nor use the cigarette lighter adaptor for laptop power while the phone cable is attached as there is a slight difference between the car's ground and what is now the laptop's ground. It is not enough to harm anything but programming might fail if it touches.

With the ignition turned off, attach the phone cable to the laptop and to the phone connector on the device. Then, run speed.exe, tell it which serial port the cable is attached to, and then turn on the ignition.

Now you have to decide how you wish to adjust the device. The choices are:

1. You know the car's real speed at an indicated 60MPH
2. You know the car's indicated speed at a real 60MPH
3. You know the stock and current tire sizes and the stock and current gear ratios.

If the message "Waiting for communications" will not go away, turn off the car, check your connections and then turn the car back on.

If you have a way to have your speedometer tested or you have access to a GPS that will tell you MPH, we suggest you use the speed option, as this will be the most accurate way to set your speedometer. Otherwise, you'll probably use the tire size and gear ratio screen. If the tires are stock, or the same diameter as stock, just leave both tire sizes the same and only set the gear ratios. Use the <Enter> key to move between fields. When you press <Enter> on the last field, the program will send the new setting to the device. Then, the device will send the data back, and the program will display what your speedometer will say when the PCM thinks you are going 60 and the speed the PCM thinks you're going at an indicated 60. This is so you can make sure that the settings you've chosen make sense. If you have the optional selector switch, you should now flip it and set the alternate correction factor. When you're happy with the settings, unplug the phone cable from the serial port adaptor and the current settings will be saved. Now, unplug the phone cable from the device and take your car out for a spin.

In place of tire sizes you may use revolutions/mile or speed. If you use speed, put your real speed in the **Old** box and put your indicated speed in the **New** box. We found revolutions/mile numbers for many tires at www.tirerack.com.

Note: When the phone cable is plugged in at both ends, the speedometer will not work.

When you're all done, replace the trim panel and then the four screws you removed.

BTW, the stubby screwdriver we supply is a piece of junk. We expect it will allow you to remove and replace the problem screw once or twice, but then again it may slip as it did for me. I fixed my screwdriver permanently by pulling the bit out with a pair of pliers and gluing it back in with a bit of epoxy. If that's too much trouble you could probably pull it out with a pair of pliers and push it back in with a toothpick or two so it's wedged in tighter. I apologize for this, but I couldn't afford to put them in the kit if they cost too much and they should get the screw in and out at least once.

Good luck and have fun!

LIMITED WARRANTY:

Granatelli Motor Sports warrants that all products shall be free from defects in materials and/or workmanship for ninety days from the date of purchase (except in-tank and in-line fuel pumps purchased at dealer or wd prices as these items have no warranty and roller rocker arms which have a 12-month limited warranty). The following requirements and exclusions apply: (1) You must be the original purchaser and must complete the warranty registration form (located at www.GranatelliMotorSports.com/warranty.asp) and return the defective product within 10 days after the expiration of the product warranty. Failure to do so voids all warranty, either express or implied set forth herein. (2) You must reside in the United States or Canada and use the product as described in the warranty registration. (3) The product must not have been altered, disassembled, modified, or converted for any other use than intended by Granatelli Motor Sports. (4) The product, or any part thereof, is not used in accordance with the operating parameters specified by Granatelli Motor Sports. (5) The product or any part thereof is damaged or rendered unserviceable due to negligence, vandalism, theft, fire, debris, flood, Act of God, or other peril, malfunction of equipment, or by any cause within the Customer's control. (6) The serial number (if applicable) must not have been altered or removed. The extent of Granatelli Motor Sports' liability under this warranty shall be limited to the prompt correction or replacement, at Granatelli Motor Sports' option and at no cost to the customer other than return shipment, of any defective part of the product determined to be necessary by Granatelli Motor Sports. This only applies if written Granatelli Motor Sports received notice of the claimed defect prior to expiration of the warranty period. All warranties of merchantability and fitness for a particular purpose are expressly excluded. The duration of any and all implied warranties is limited to the duration of this express warranty. All incidental and consequential damages including but not limited to loss profits even if it has been advised of the possibility of such damages are hereby excluded. Regardless of the form of the claim, Granatelli Motor Sports liability for any damages to the customer for such product is limited to the guidelines herein. This stated, expressed warranty is in lieu of all liabilities or obligations of Granatelli Motor Sports for damages arising out of or in connection with delivery, use or performance of the product. This warranty cannot be amended or changed by any Granatelli Motor Sports representative, employee, or agent and any promises inconsistent with this warranty are void and unenforceable against Granatelli Motor Sports. Some states do not allow limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights that vary from state to state. Your sole remedy for the above warranties is the repair or replacement of the defective product only, at Granatelli Motor Sports' sole discretion.

RETURN POLICY:

Before you return a product for a warranty claim, contact our service department M-F 8AM-5PM (PST) at 805-486-6644 or techsupport@GranatelliMotorSports.com for an RGA number. No returns are accepted without a pre-approved RGA (return goods authorization). No returns on special orders, electrical items or after 90 days from date of original shipment. All returns must be safety packaged in original packaging (if available) and clearly marked with your RGA number on the top and two sides of the box. Please insure your shipment for full replacement value as lost, stolen or items damaged in shipment are not covered by our limited warranty. We recommend using FedEx (www.FedEx.com) or UPS (www.UPS.com) for shipping. Lost, stolen or damaged items claims must be made by the customer and resolved by the freight company and not Granatelli Motor Sports. All returns may be subject to a restocking fee of up to 25%. The balance will be returned in the form of a company check or may be applied as credit towards another purchase.

PERFORMANCE CONSUMER'S BILL OF RIGHTS:

Legally, a vehicle manufacturer cannot void the warranty on a vehicle due to an aftermarket part unless they can prove that the aftermarket part caused or contributed to the failure in the vehicle (per the Magnuson Moss Warranty Act, www.GranatelliMotorSports.com/magnusonmoss.htm (15 U.S.C. 2302(C))). For best results, consider working with performance-oriented dealerships with a proven history of working with customers. If your vehicle manufacturer fails to honor emission/warranty claims, contact EPA at (202) 260-2080 or www.epa.gov. If federal warranty protection is denied, contact the FTC at (202) 326-3128 or www.ftc.gov. For additional information, check out www.GranatelliMotorSports.com/TechSupport.htm.

Disclaimer:

Actual products may vary from photographs shown. For latest information, please call 805-486-6644 first. You can also check out our web site at www.GranatelliMotorSports.com. However, it may have not been updated at the time you actually view it. Therefore, we cannot guarantee the accuracy of the information on our web site. Granatelli Motor Sports is not responsible for any unintentional omissions or typographical errors and reserves the right to make changes to packages, services, operating procedures, colors, materials, features, specifications, part numbers, pricing and to discontinue any products and/or components at any time without prior notice. Some items shown are sold for off-road use only and/or racing use (not street legal) and not intended for use on public highways, customer assumes costs and liability for installation and use. Performance figures shown can vary considerably due to a variety of factors including but not limited to altitude, humidity, barometric pressure, outside temperature, vehicle age, state of vehicle tune, vehicle manufacturer engine tolerances, vehicle modifications, chassis and engine dyno calibration, chassis and engine dyno brand, etc.