



ADRENALINE

ENGINE CONTROL SYSTEM



01-04 GM LB7 ADRENALINE INSTALLATION INSTRUCTIONS

PART NUMBERS: ADR2000, ADR2000-PV2, IQUAD2000



INTRODUCTION

THANK YOU FOR YOUR PURCHASE OF A QUADZILLA PRODUCT. WE KNOW YOU'LL BE MORE THAN SATISFIED WITH THE INCREASED PERFORMANCE OUR PRODUCT PROVIDES. BE SURE TO TELL YOUR FELLOW DIESEL TRUCK OWNERS ABOUT QUADZILLA.

THIS PRODUCT MAY ALTER THE TECHNICIAN'S ABILITY TO USE DIAGNOSTIC EQUIPMENT. PLEASE REMOVE THIS QUADZILLA PRODUCT WHEN TAKING YOUR TRUCK INTO A SERVICE FACILITY.

THE INSTALLATION OF THIS PRODUCT INDICATES THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND THE 'DISCLAIMER OF LIABILITY' AGREEMENT CONTAINED AT THE END OF THIS DOCUMENT AND ACCEPTS ITS TERMS AND CONDITIONS.

**IMPORTANT: THIS IS A HIGH PERFORMANCE PRODUCT.
USE AT YOUR OWN RISK.**

Before beginning the installation of your new Adrenaline module, read these instructions in their entirety. Make sure you understand the steps and possess the skills required to install this product. If you have any questions regarding the installation please contact your dealer before starting the installation process.

When routing wires, pay special attention to avoid any moving, sharp, or hot engine components.

It is recommended to disconnect both batteries before installation.

ATTENTION! If you need to jump start your truck you must disconnect the Adrenaline module and connect the MAP sensor back up to stock before doing so. Failure to do this will void the warranty of the product.

SUPPLIED ITEMS:

ADRENALINE/CONTROLPOD

ADRENALINE MODULE

MAIN WIRING HARNESS

CONTROLPOD

USB CABLE

EGT (PROBE/THERMOCOUPLE)

FITTINGS

CARE KIT

WIRE TIES



ADRENALINE



CONTROL POD

REQUIRED TOOLS:

SIDE CUTTERS

RAZOR BLADE OR KNIFE

9/16" WRENCH

3/8" WRENCH

DRILL

21/64" DRILL BIT

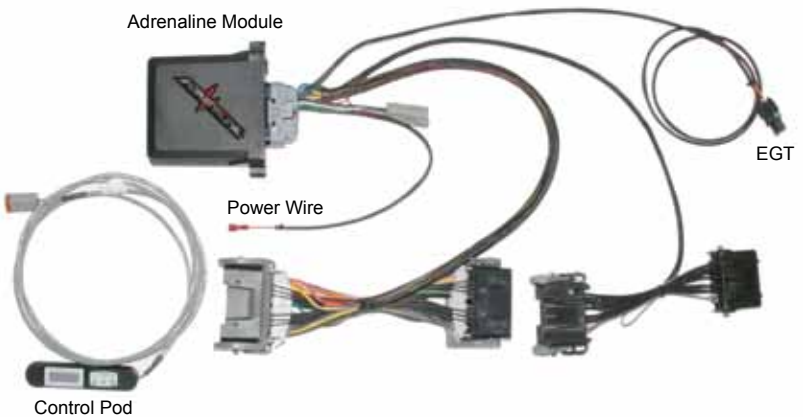
1/8" - 27 NPT TAP

ADRENALINE



Before beginning the installation of your new Adrenaline Module, make sure the ignition is in the off position and the key is removed from the ignition. We also recommend disconnecting the batteries for extra safety.

Note: When routing wires pay special attention to avoid any moving, sharp, or hot engine components!





INSTALLATION INSTRUCTIONS

1. Now choose a suitable mounting location for the Adrenaline module itself. We have found that the side of the under hood fuse box cover to be a suitable flat surface to mount the module to.
2. Next lay out the main harness so that you can run each lead to its respective location.
3. Begin by installing the thermocouple probe into the exhaust manifold. The best location for the thermocouple is on the passenger side of the engine in the exhaust manifold. You will have to remove the fender well to access the manifold. Once the fender well is removed you will see the exhaust manifold. Towards the rear of the manifold is a flange that the manifold is bolted to. Just in front of the flange is the most ideal place to drill for the thermocouple. Using a good, sharp 21/64 drill bit and with your engine running, drill your hole slowly and carefully. See Figure 1 for reference.



*Tip: Greasing the flutes on the drill bit will act as an extra precautionary measure to help catch metal removed while drilling.

4. Next, using a 1/8-27 NPT tap, tap the hole you just drilled in the manifold. The engine should be running during this process as well. Make sure that when you start your tap it is parallel in all planes with the hole you drilled. Not getting the hole tapped straight could result in an exhaust leak. Do not run the tap in all the way! The NPT tap is a tapered tap and running it in all the way could result in the hole being too large or the thermocouple bottoming out on the other side of the manifold wall and not sealing properly. We recommend running the tap in about half way and then test fit the thermocouple bushing. If the hole is not large to start threading the bushing in, reinstall the tap and tap the hole a little further until the bushing will thread in securely. We recommend not running the tap in over $\frac{3}{4}$ of its length. After the hole has been threaded properly you may turn the engine off. Using a 9/16 wrench tighten the bushing, it only needs to be snug. Over tightening may cause the



INSTALLATION (CONTINUED)

exhaust manifold to crack or the bushing threads to strip. Following the bushing installation, install the thermocouple probe in the bushing and tighten using a 5/8 wrench. Once this has been done, go ahead and route the black and orange lead wires with the black two-pin male connector from the Adrenaline main harness to the thermocouple lead wires (yellow and red with a black two-pin female connector) and connect the two together.

5. Next locate the two main engine plugs on the top driver's side of the engine. Each one of these plugs will have a gray latch that locks the two connectors together. On each side of the two plugs there are two ears that lock the latches in place. You must push both ears in and lift up on the latch to unlock the connectors. Unlock the bottom plug first and plug the corresponding connectors from the Adrenaline harness into place. Once both of these are connected, remove the top connector and plug the corresponding plugs into place. See Fig 2.



6. Next locate the solid red, single wire coming out of the main connector on the harness with the fuse tap on the end of it. This wire needs to go in the fuse panel under the hood to the Auxiliary Power which is a 20 Amp fuse. Once this is tapped to the correct fuse you can put the fuse panel cover back on; be sure that when the cover is reinstalled to not push down too hard and damage the wire. See Fig 3.





7. Once all the connections under the hood have been made you need to locate the grommet on the driver's side of the firewall. The ControlPOD or Pulse lead will need to be run through this location from the inside of the truck. You can either cut a small slit in the grommet just large enough to run the connector through or you can pop the grommet out and run the connector through and then you can pop it back in place. See fig 4.



8. The remaining slack can either be left under the dash and zip tied up or you can pull the slack under the hood and tie it up there. If you are using the ControlPOD the most ideal location to mount it is on the steering column just behind the emergency flasher button so be sure to leave enough slack to mount it in that location. The POD can also be mounted to any other location that you see suitable as well. If you purchased your Adrenaline with the Pulse Control Monitor, it will come with the necessary hardware to mount the Pulse to your dash or you may also purchase a pillar mount to mount your Pulse on the A pillar of your truck. See Figs 5 & 6.





INSTALLATION [CONTINUED]

9. Once everything is connected check back over all connections to make sure everything is connected well and that no parts of the harness are touching any hot or moving parts. You may need to use the supplied zip ties to securely fasten the harness away from any of these parts. After rechecking all the connections go ahead and start the truck and make sure the ControlPOD or Pulse is powering up and that all functions are working and reading. If the POD or the Pulse does not power up or you get a check engine light, turn the key off and check your connection to the harness. You may want to unplug the connection and check the pins to make sure they are all locked in place on both sides of the connector and also make sure that each color wire matches up with the corresponding color on each side. You can also disconnect the module and reconnect it again. After checking all this, reconnect then start the truck back up making sure the display comes on. If you are still having issues with POD or the Pulse or still getting a Check Engine Light you need to contact the Quadzilla Technical Department.

10. ControlPOD functions: Use the far right button to toggle between parameters being monitored. The far left button is the Up button and the middle is the Down button. These buttons are used to turn the power levels up or down. You can change power levels from any screen at any time by simply pressing the Up or Down buttons.

11. The ControlPOD will also display your EGT, Boost, Transmission Temperature, and Rail Pressure. The POD will only display one reading at a time but you can toggle through each parameter by pressing the far right button on the ControlPOD.

12. Go to www.quadzillapower.com and check under the USB Updates link from our homepage for a variety of different tuning files. Simply download the file you wish to use and follow the on screen instructions. *Note, do not plug your Adrenaline module into your computers USB port until the installation wizard prompts you to do so, plugging the module in prematurely may cause the software drivers to be installed incorrectly or to an incorrect location which will cause issues with updating the module.

You are now done with your installation. Enjoy your newly found power!



01 - 04 GM ADRENALINE

WARRANTY

All QUADZILLA Performance Modules/Tuners Diesel Performance Enhancement Software- as specified below - is warranted against defective materials or workmanship for one million miles or ten years from date of purchase, whichever comes first. The Performance Modules/Tuners hardware units are covered by a one year unlimited mileage warranty.

WHAT IS WARRANTED:

Any Performance Modules/Tuners Diesel Performance Enhancement Software specified for and Cummins, Powerstroke, and, Duramax diesel engines, except those units sold exclusively for racing and/or off-road use.

WHO IS COVERED BY WARRANTY:

The original purchaser of a Performance Modules/Tuners who has completed the required warranty registration and provided proper proof of the original retail purchase and all other required information.

WHAT IS NOT WARRANTED:

Any Performance Modules/Tuners used for any type of racing or competition, any off-road use, custom or modified applications, any non-legal or industrial applications. (These units are covered by a one year unlimited mileage warranty for both Software and Hardware.)

WHAT VOIDS THE WARRANTY:

Incorrect Installation: The Performance Modules/Tuners must be installed following Quadzilla installation procedure as outlined in the product literature that accompanies the Performance Modules/Tuners. Physical damage to the unit due to improper care in installation or removal will not be covered under this warranty. **No Registration:** Failure to register your product within 90 days of purchase will void the one year unlimited mileage warranty. **No Proof of Purchase:** At time of warranty claim, buyer must provide proof of purchase (original receipt or invoice). **Incorrect Use:** Any damaged, abused or modified Performance Modules/Tuners will not be warranted.

EXTENT OF WARRANTY:

Any defective Performance Modules/Tuners properly returned to QUADZILLA will be replaced or repaired by QUADZILLA. QUADZILLA will not be responsible for any other expenses incurred by the customer under the terms of this warranty, nor shall it be responsible for any damages consequential, special, contingent, or otherwise; or expenses or injury arising directly or indirectly from the use of the Performance Modules/Tuners unit or software. Any Performance Modules/Tuners returned to QUADZILLA must be sent at the customer's expense along with proof of purchase. QUADZILLA reserves the right to determine whether the terms of the warranty, set out above, have been properly complied with. In the event that the terms are not complied with, QUADZILLA shall be under no obligation to honor this warranty.

SHORTAGES AND DAMAGED GOODS:

It is the responsibility of the customer to inspect and count products upon receipt. Any shortages or errors must be reported to Quadzilla immediately. Claims for shortages or damaged goods must be received within 3 days of receipt of the product. All merchandise is inspected before packing. Any damaged goods should be reported to the freight carrier immediately. All packaging of damaged goods must be kept for inspection by the freight carrier.

RETURNS AND EXCHANGES:

An RMA (return merchandise authorization) must accompany all returns and exchanges. Returns must include a copy of the original invoice. Returns and exchanges must be shipped pre-paid or they will be refused.

Returned or exchanged products must be undamaged, or in "like new" condition. Damage occurred during freight due to improper packing is the responsibility of the customer. Unauthorized or refused merchandise are subject to a 10% restocking fee.

* LEGAL IN CALIFORNIA ONLY FOR RACING VEHICLES WHICH MAY NEVER BE USED UPON A HIGHWAY.

DISCLAIMER

THIS IS A HIGH PERFORMANCE PRODUCT. USE AT YOUR OWN RISK

Do not use this product until you have carefully read the following agreement.

This sets forth the terms and conditions for the use of this product. The installation of this product indicates that the BUYER has read and understands this agreement and accepts the terms and conditions.

DISCLAIMER OF LIABILITY

Quadzilla Performance Technologies, Inc. and its distributors, jobbers and dealers (hereafter SELLER) shall in no way be responsible for the product's proper use and service. THE BUYER HEREBY WAIVES ALL LIABILITY CLAIMS.

The BUYER acknowledges that he/she is not relying on the SELLER's skill or judgment to select or furnish goods suitable for any particular purpose and that there are no liabilities which extend beyond the description on the face hereof and the BUYER hereby waives all remedies or liabilities, expressed or implied arising by law or otherwise, (including without any obligations of the SELLER with respect to fitness, merchantability and consequential damages) or whether or not occasioned by the SELLER's negligence.

The SELLER disclaims any warranty and expressly disclaims any liability for personal injury or damages. The BUYER acknowledges and agrees that the disclaimer of any liability for personal injury is a material term for this agreement and the BUYER agrees to indemnify the SELLER and to hold the SELLER harmless from any claim related to the item of the equipment purchased. Under no circumstances will the SELLER be liable for any damages or expenses by reason of use or sales of such equipment.

The SELLER assumes no liability regarding the improper installation or misapplication of its products. It is the installer's responsibility to check for proper installation and if in doubt, contact the manufacturer.

LIMITATION OF WARRANTY

Quadzilla Performance Technologies, Inc. (hereafter "SELLER") gives limited warranty as to description, quality, merchantability, fitness for any product's purpose, productiveness, or any other matter of SELLER's product herewith. The SELLER shall be in no way responsible for the product's open use and service and the BUYER hereby waives all rights other than those expressly written herein. This warranty shall not be extended or varied in, except by a written instrument signed by SELLER and BUYER.

The warranty is limited to one (1) year from the date of sale and limited solely to the parts contained within the product's kit. All products that are in question of Warranty must be returned shipping prepaid to the SELLER and must be accompanied by a dated proof of purchase receipt. All warranty claims are subject to approval by Quadzilla Performance Technologies, Inc.

Under no circumstances shall the SELLER be liable for any labor charged or travel time incurred in diagnosis for defects, removal, or reinstallation of this product, or any other contingent expenses.

Under no circumstances shall the SELLER be liable for any damages or expenses incurred by reason of the use of sale of any such equipment.

IN THE EVENT THAT THE BUYER DOES NOT AGREE WITH THIS AGREEMENT: THE BUYER MAY PROMPTLY RETURN THIS PRODUCT, IN A NEW AND UNUSED CONDITION WITH A DATED PROOF OF PURCHASE TO THE PLACE OF PURCHASE WITHIN THIRTY (30) DAYS FROM THE DATE OF PURCHASE FOR A FULL REFUND.

THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS ITS TERMS AND CONDITIONS.



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