

ADRENALINE

ENGINE CONTROL SYSTEM



03 - 09 DODGE ADRENALINE INSTALLATION INSTRUCTIONS

PART NUMBERS: ADR1003, ADR1004, ADR1006, ADR1007, ADR1003-PV2, ADR1004-PV2, ADR1006-PV2, ADR1007-PV2, IQJAD1003, IQJAD1004, IQJAD1006



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/CONTROL POD

ADRENALINE MODULE

MAIN WIRING HARNESS

CONTROLPOD

USB CABLE

THERMOCOUPLE

FP TRANSDUCER

OBD2/DATA LINK CABLE*

TAPPED BANJO BOLT

WASHERS

* Year model dependant.



ADRENALINE

ADRENALINE/PULSE

ADRENALINE MODULE

MAIN WIRING HARNESS

PULSE MONITOR

USB CABLE

THERMOCOUPLE

FP TRANSDUCER

OBD2/DATA LINK CABLE*

TAPPED BANJO BOLT

UNIVERSAL PULSE MOUNT

WASHERS



CONTROLPOD



PULSE

REQUIRED TOOLS:

SIDE CUTTERS

1/4" DRIVE RATCHET

10MM SOCKET

9/16" WRENCH

1/2" WRENCH

3/4" WRENCH

17MM WRENCH

RAZOR BLADE OR KNIFE

8MM SOCKET

13MM SOCKET

DRILL

21/64" DRILL BIT

1/8" - 27 NPT TAP

ADJUSTABLE WRENCH



ADRENALINE POWER LEVELS **

PL00: Stock with Boost Fooling

PL01: Max Mileage

PL02: 35 HP Gain

PL03: 50 HP Gain

PL04: 65 HP Gain

PL05: 80 HP Gain

PL06: 95 HP Gain

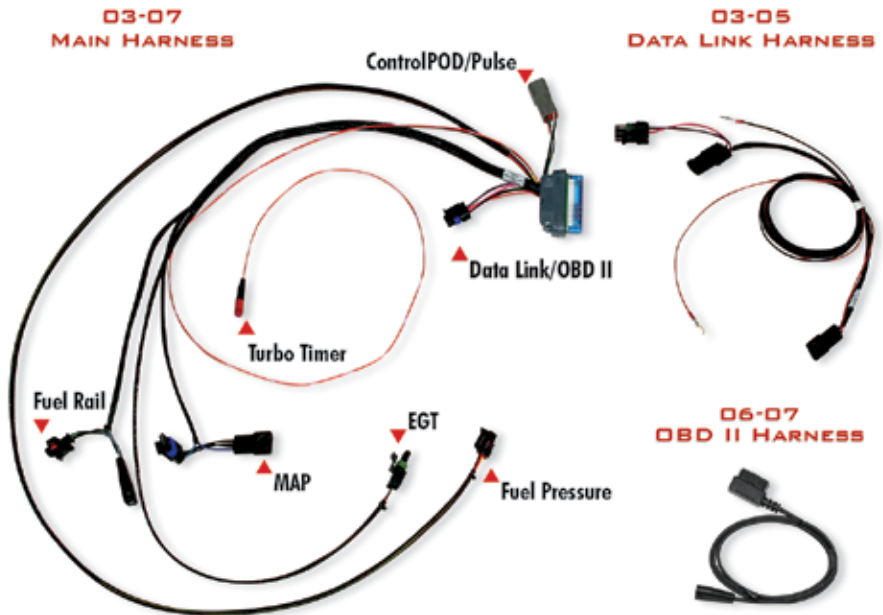
PL07: 110 HP Gain

PL08: 125 HP Gain

PL09: 140 HP Gain

PL10: 160 HP Gain

** Power Level Output and Gains may vary when using Custom Tuning **



The ideal location to mount your Adrenaline



INSTALLATION INSTRUCTIONS

1. The ideal location to mount your Adrenaline is on top of the fuse panel cover. Place the large 32 pin connector near this location and route the rest of the wired connections based on this location.

2. Locate the Fuel Rail Pressure sensor and the MAP sensor. These sensors set just a few inches apart and are located on the driver's side of the engine just behind the air intake horn. The Fuel Rail sensor will set directly on the Fuel Rail itself. This is a three wire plug with an orange seal and it looks identical to the one on your Adrenaline wiring harness.



The MAP sensor will be located just a few inches behind the Fuel Rail Pressure sensor and slightly closer to the valve cover. This sensor is a four wire plug with a blue seal.

3. Disconnect the MAP sensor by gently lifting up on the locking tab and pull the connector up and away from the sensor. Insert the matching MAP connector from the Adrenaline harness into the Map sensor. Connect the factory connector into the molded connector on the Adrenaline harness. Make sure when you plug these connections together that the locking tab slides over the ramp and locks in place. Failure to do so could result in a Check Engine Light and loss of power.
4. Disconnect the factory Fuel Rail sensor by pressing on the locking tab and pulling the connector up and away from the sensor. If this connector has never been removed it will be stiff and you may need to use a pair of needle nose pliers. If pliers are used, be careful not to crack or damage the connector in any way. These connectors will only plug in one way, but be sure to pay attention as to what side the locking tab is on before removing the connector. Once the connector is removed, connect the corresponding plug from the Adrenaline harness into the Fuel Rail sensor, and then connect the factory connector into the molded connector of



INSTALLATION (CONTINUED)

the Adrenaline harness. Be sure that both connectors locking tabs are locked in place. Failure to do so will result in the truck not starting or it will start and idle very rough and set a Check Engine Light.

03-05 TRUCKS ONLY

5. Locate the Data Link sensor. The Data Link is located below and just forward of the fuel filter bowl. The Data Link will have a dummy plug snapped into it which must be removed. Do not discard the dummy plug, just keep it in a safe place so it can be used again if you ever remove the harness from your truck. Install the Data Link plug from the Adrenaline harness into the Data Link connector making sure the locking tab locks in place. Plug the other end of the Data Link adaptor into the corresponding plug on the main Adrenaline harness making sure the locking tab locks in place.



6. Connect the Adrenaline ground wire to the negative post of the battery terminal. The ground wire is a short black wire with a ring terminal coming from the Data Link connector harness.

7. Connect the 12v power wire to the # 42 fuse in the under hood fuse box. This is the main power to the Adrenaline and if it is not connected properly the Adrenaline module will not function properly. Pull the #42 fuse from the fuse box and slide the supplied fuse tap over it. Replace the fuse into the fuse panel making sure it is seated properly. Adding the fuse tap makes for a tight, but secure fit in the fuse panel.





06-07 TRUCKS ONLY

- 8.** Run the OBD2 cable from inside the cab of the truck into the engine compartment. This is most easily done through a small grommet on the firewall located near the driver's side floorboard. Connect the OBD2 cable to the OBD2 port located just to the left of the hood release. This connector supplies the power and ground to the Adrenaline module. Make certain you get a good connection at the OBD2 port to insure proper function from the Adrenaline module.



- 9.** Locate the Injection Pump which is located on the driver's side of the engine at the front of the block about halfway down. Remove the fitting that is located on the top of the pump closest to the fan with a 17mm wrench or socket. Remove the banjo bolt and dispose of the two factory banjo bolt washers. Attach the Transducer and the supplied Tapped Banjo Bolt fitting together. The Transducer uses 1/8" NPT tapered threads; you do not have to tighten it to the end of the threads to prevent leaks. If the fitting is overtightened it can strip the threads on the Transducer.



Install one of the washers on the banjo bolt. Slide the banjo bolt through the fuel line and slide the other washer over the threads of the banjo bolt. Screw the banjo fitting by hand until it is snug. We recommend bleeding the fuel line before tightening it up all the way. This will allow any air in the lines to escape, so that the Transducer will read accurately. Once the rest of the installation has been completed,

start the truck. You may have to loosen the transducer slightly until a small amount of fuel comes out, and then tighten the banjo fitting down firmly. Do not overtighten this fitting, as overtightening can cause damage to the pump.

Connect the 3 pin connector from your Adrenaline harness to the Transducer once you have completed the bleeding process.



INSTALLATION (CONTINUED)

10. Run the red wire with a white stripe through the firewall grommet and into the cab. The firewall grommet is located on the driver's side towards



the floorboard. Using the posi-tap connector we will connect to the ignition Keep Alive wire for the Turbo Timer. Even if you do not intend to use the Turbo Timer this wire must be connected properly so that the Adrenaline module will function properly. Locate the main wiring harness going into the steering column. This is best accessed by removing the kick panel from the dash.

To use the posi-tap, you must first unscrew the posi-tap, place the cap over the correct wire, and then twist the portion of the posi-tap left on the red/white wire approximately 7 times in the counterclockwise direction. Then screw this portion of the posi-tap onto the cap making sure you have a positive connection with the ignition wire.



03-05 TRUCKS ONLY

Locate the large dark blue wire and connect the red wire with a white stripe to it.

06-07 TRUCKS ONLY

Locate the large pink wire with white stripe and connect the red wire with a white stripe to it.

*** FAILURE TO COMPLETE THIS STEP WILL CAUSE THE ADRENALINE TO FUNCTION IMPROPERLY.**



11. Run the ControlPOD harness or the Pulse harness through the firewall and into the engine compartment. Use the same firewall grommet you accessed for the turbo timer wire.
12. The ideal location to mount your ControlPOD is on top of the steering column just behind your emergency flasher button. This way the Pod is easily accessible and in plain sight. If you are using the Pulse without the pillar mount we recommend mounting it to the top of the dash next to the pillar for easy accessibility. The remaining



slack from these harnesses can either be zip tied up under the dash or pulled through to the engine compartment and zip tied there out of the way. Be sure that if you pull the slack through to the engine compartment to avoid any sharp, hot or moving parts.

13. Go over all connections making sure everything is properly installed and that all connections are firmly attached to their corresponding locations.
14. Reconnect your battery's backup, turn the key on and start your truck. Make sure that the display comes on and that all parameters are displayed on the ControlPOD or Pulse and are reading and reacting properly.
15. Bleed the Fuel Pressure transducer and tighten.



INSTALLATION (CONTINUED)

- 16.** Using a sharp 21/64 drill bit, with your engine running, drill a hole slowly and carefully in the exhaust manifold between cylinders 3 & 4. *See image below for reference.* Tip: Greasing the flutes on the drill bit will act as an extra precautionary measure to help catch metal shavings while drilling.
- 17.** Use a 1/8-27 NPT tap in the drilled hole. 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 your hole. Not getting the hole tapped straight could result in an exhaust leak. **DO NOT RUN THE TAP ALL THE WAY IN!** This is a tapered tap and running it all the way in could prevent you from being able to tighten the thermocouple bushing completely.
- 18.** Using a 9/16 wrench tighten the bushing, it only needs to be secured firmly. Over tightening may cause the exhaust manifold to crack or the threads to strip out on the bushing or the manifold.
- 19.** Install the thermocouple probe into the bushing and tighten using your 9/16 wrench.
- 20.** Route the black and orange lead wires with the black two pin male connector from the Adrenaline main harness to the thermocouple and connect the two corresponding connectors together.





CONTROLPOD FUNCTIONS

Use the far right button to toggle between parameters being monitored. The far left button is the Up button and the middle button 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. The ControlPOD will also display your EGT, Boost, Coolant, and Fuel Pressure on the 03-05 trucks. On the 06-07 trucks it will display EGT, Boost, Transmission temperature, and Fuel Pressure.

You can set warnings with the ControlPOD. To do this you must have the POD set on the parameter just before the one you are setting the warning for then press and hold the far right button for 10 seconds. After 10 seconds the screen will flash OFF, then use the Up and Down buttons to select your temperature or pressure, then press the far right button. This will set the warning for that particular parameter. If that warning is reached the ControlPOD will start flashing that parameter on the screen no matter what parameter was being displayed beforehand. Once the temperature or pressure goes back down below that warning, it will go back to displaying the parameter that was initially on the screen before the warning came up.





TECH SUPPORT

Please contact your dealer for all Tech Support prior to contacting Quadzilla Performance. Your dealer should be able to provide you with any assistance you might need. If further assistance is needed, Quadzilla Performance Technologies, Inc. can be reached by the phone number or email address below. Any messages/emails received after 6:00 pm will be returned the next business day.

888-842-6572

QZSERVICE@QUADZILLAPOWER.COM

HOURS OF OPERATION

Monday – Friday

9:00am – 6:00pm CST

USB UPDATES

Quadzilla is continually advancing in development of software and products. Remember to check the website for new and improved software updates for your Adrenaline. Please read the instructions available on the website prior to performing any updates to your module.

**** DO NOT CONNECT THE MODULE TO THE COMPUTER UNTIL INSTRUCTED TO DO SO. ****

Quadzilla Performance Technologies, Inc. offers a 30-Day Money Back Guarantee for Electronic Modules returned in NEW CONDITION, as determined and verified by Seller. Quadzilla Performance Technologies, Inc. warrants that all Goods shall be free of substantive defects in material and workmanship for a period of one (1) year, unless otherwise stated in writing. Failure to register your product within 90 days of purchase will void the one (1) year unlimited mileage warranty. Any product returned for refund must be sent back to the dealer it was purchased from. Quadzilla Performance Technologies, Inc does not refund the end user if product was not purchased direct. Please contact your dealer prior to returning products for refund.

An RMA # must accompany all returns and exchanges and must be written on the outside of the box and be visible by receiver or they will be refused. Returns and exchanges must also be shipped pre-paid or they will be refused.

Damage to any items occurred during shipping due to improper packaging is the responsibility of the customer. For any item not covered under WARRANTY the customer is responsible for all charges that includes but is not limited to: repair work, replacement of parts, replacement of items, and shipping back to customer. Quadzilla is not responsible for any damage or modification done to any items while in customer's possession. If items are covered under WARRANTY the customer will be charged any and all expense to repair/replace any items damaged or modified. This does include improper care and installation.



PLEASE CONTACT YOUR DEALER FOR ADDITIONAL PRODUCTS AVAILABLE FOR YOUR VEHICLE.

PULSE

The Pulse Control Monitor (PCM) is the latest state-of-the-art advancement from Quadzilla. Made to work exclusively with the Adrenaline series of modules, the Pulse is the most technologically advanced monitoring system on the market.

Installation is a snap with one simple connection to the Adrenaline wiring harness and you are ready to go. We also have a complete line of full-length and half-length pillar mounts based on your application.



PILLAR MOUNT

For a factory style mounting option, we offer an easy-to-install pillar mount product.



MONSTER AIR INTAKE*

Quadzilla Monster Air Intakes are the finest quality, most cost-effective intake kit on the market. Teaming up with AFE filters, the Monster Air Intake can increase your fuel mileage up to 10%, and can also provide an additional 35hp and 65ft lbs. of torque.



* For a complete list of part numbers and availability for your vehicle please visit WWW.QUADZILLAPOWER.COM.

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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