

# SCOUT II



**SCOUT II INSTALLATION INSTRUCTIONS**  
PART NUMBERS: SV2000

# SCOUT II

THE SCOUT II USES 4 BUTTONS TO COMPLETE ALL OF THE MENU SELECTIONS AND HARDWARE SETUP FEATURES ON YOUR ADRENALINE.\*

\* Scout II instructions are subject to change based on available software updates.

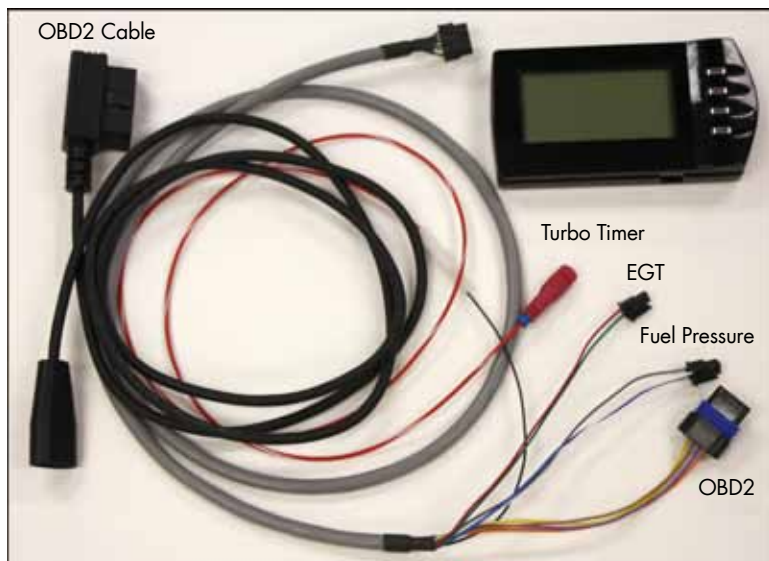


#### SUPPLIED ITEMS:

Scout II Monitor  
 Scout Main Cable/Harness  
 Turbo Timer Wire  
 OBD2 Cable  
 USB Cable

#### REQUIRED TOOLS:

Side Cutters for Zip Ties





## MONITORED PARAMETERS

### 06-09 DODGE

EGT \*  
Trans Temp  
TPS %  
RPM  
Batt. Volts  
Barometer  
Correct MPH

Air Temp  
Gear  
Trans Slip % Cleared  
Boost  
Coolant Temp  
Rail Pressure  
IAT

Load %  
MPH  
Fuel Level %  
Fuel Pressure\*\*  
Converter Lock  
Time Since DTC's  
Runtime Since Startup

Time with MIL ON  
Distance Since DTC's Cleared  
Distance with MIL ON  
Warm-ups Since DTC's  
Cleared

### 07.5-09 DODGE - ADDITIONAL PARAMETERS

Gearshift Position  
EGR Error %  
CAT Temp 2  
O2 Sensor Equiv Ratio 2  
# of Complete Regens

# of Incomplete Regens  
DPF Load  
De-Soot Regen Active  
MAF  
Commanded EGR %

CAT Temp 1  
O2 Sensor Equiv Ratio 1  
Regen Status  
# of desired Regens  
Time Since Last Regen

DPF Target  
De-SOX Regen Active

### 03-04 FORD 6.0L

Boost  
Coolant  
EGT \*  
Engine Load

Fuel Pressure  
Gear  
IAT  
Mass Airflow

Rail Pressure  
RPM  
TPS  
Trans Slip

Trans Temp  
Vehicle Speed  
True Speed

### 05-07 FORD 6.0L

Barometer  
Boost  
Coolant  
ECM Voltage  
EGT \*

EGR Command  
EGR Error  
Engine Load  
Fuel Level  
Fuel Pressure

Gear  
IAT  
Mass Airflow  
Rail Pressure  
RPM

TPS  
Trans Slip  
Trans Temp  
Vehicle Speed  
True Speed

\* Requires additional purchase of EGT Kit.

\*\* Requires additional purchase of Fuel Pressure Kit.

# SCOUT II

## INSTALLATION INSTRUCTIONS

### SCOUT II INSTALLATION

1. Locate your Scout V2 Main Cable/Harness. Connect the 12-pin connector to the back of the Scout Monitor.
2. Connect the 4-pin OBD2 connector to the 4-pin connector. This will be the large 4-pin connector with a blue seal.
3. (Turbo Timer Optional) The red wire with a white stripe posi-tap connector will connect to the ignition Keep Alive wire for the Turbo Timer. 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.



#### \*06-07 DODGE

Locate the Large Pink wire with White stripe and connect the red wire with a white stripe to it.

#### \*03-07 FORD

Locate the Red wire with the Green stripe and connect the Red wire with a White stripe to it. Some of the 03-04 Trucks will have a Tan wire with a Yellow stripe instead of a Red wire with a Green stripe.



*\*\*Note: The accessories will not run in your vehicle when the turbo timer is active. If you are wanting it to be setup to run the accessories while in turbo timer mode you will need to run a jumper wire from the Gray w/ Yellow stripe to the Red w/ Green stripe. With these wires jumped together all accessories will run in the vehicle when the turbo timer is active.*

4. Tie all the wires up to your liking under the dash making sure to keep them out of the way of the pedal assemblies.
5. Connect the OBD2 connector to the OBD2 port located just to the left of your hood release.



6. The Scout will power up and display a Quadzilla logo and then will shut off until you turn the ignition on.
7. Turn the key to the On position and make certain the Scout powers up. You will be prompted for your vehicle year, transmission type and axle ratio. If you are not prompted be certain to select these things from the hardware menu inside the Scout.
8. The remaining connections on the Main Cable/Harness are for use with the optional EGT & FP Kits.
9. Installation is Complete!

## FLIP SCREEN

To use the Flip Screen simply press the Enter button when you are on the main display. This will show the alternate parameters you selected in the previous step. You may toggle between displays anytime you wish.

Dodge 07.5-09: There will be 3 additional screens that you have the ability to flip through. Continue to hit Enter to go to Diagnostic at a Glance. Continue to hit the Enter button and it will take you back to your main display screen.

## DIAGNOSTIC AT A GLANCE - Dodge 07.5-09 only

After flipping through your 2 screens you have set as your main parameters monitored you can continue to hit the Enter button to see the 3 additional screens.

These are additional parameters that are not usually monitored however you might want to flip through periodically to check

1. DPF Parameters - This screen will show you all of your Regen information.
2. Emissions - This will show all your O2 Sensor information, CAT temps, and EGR information.
3. Trouble Codes - This will show you information regarding any clearing of DTC codes you have done.

DPF PARAMS	
REGEN LAST TIME:	
HOUR	0
MIN	0
SEC	0
REGEN FILTER LOAD	0,0
COMPLETE REGENS	0
REGENS DESIRED	0

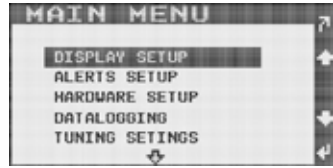
EMISSIONS	
O2 SENSOR 1	0,000
O2 SENSOR 2	0,000
CAT TEMP 1 (F)	-40,0
CAT TEMP 2 (F)	-40,0
EGR ERROR (x)	-100
COMANDED EGR (x)	0
NAF SENSOR (g/s)	0,00

TROUBLE CODES	
DIST SINCE CLEAR	0
TIME SINCE CLEAR	0
WARNUPS SINCE CLEAR	0
RUNTIME SINCE START	0
DIST W/MIL ON	0
RUNTIME W/MIL ON	0

## MAIN MENU -

### CUSTOMIZING YOUR DISPLAY

1. Enter the Main Menu by pressing the Menu button.
2. Select Display Setup by pressing the Enter button.
3. Select the display style that you want. Once inside you will be able to set up two different displays with up to four parameters for each display to toggle between on the main display screen. Choose your display type by scrolling to the display you want and pressing Enter.



4. Now choose your parameters. Once a parameter is selected, it will take you back to the parameter selection menu so that you may choose the next parameter you want to display. On the Menu you will see abbreviations such as TL or TR for Top Left and Top Right, as well as a visual icon that shows you which display area you are choosing a parameter for. In addition, the right side of the Menu will show an abbreviation of the parameter that is currently selected for that display. To set up your second display or your "Flip Screen" simply scroll down to the Display 2 menu choices.

\* Note: Display 1 is always the display you leave on the main display when you enter the Main Menu. The Pulse V2 will keep track of the correct parameters and place them in the appropriate menu line. For example, if you have Display 1 TL set for EGT and you toggle to Display 2 before entering the menu then EGT will now be shown as Display 2 TL EGT.

5. When finished simply use the Menu/Back button to take you to the Main Menu or to the main display.

### CONFIGURING WARNINGS

Warnings are used for those that wish to control the vehicles limits manually while allowing the Pulse V2 to warn them of a particular parameter. You can set warnings for parameters that are not being monitored as well.

1. Enter the Main Menu by pressing the Menu button.
2. Select Warnings Setup by highlighting it and pressing the Enter button.
3. Choose the parameter you want the Adrenaline to warn you on and press the Enter button.



4. Use the Up and Down arrows to select the value that you want to be warned at for that parameter, when finished press Enter.



5. When you have completed your warning choices use the Menu/ Back button to escape to the Main Menu or to the main display.

When a warning is reached the Scout II will display a Warnings Pop-Up menu and show you the parameter that has exceeded your set limit.

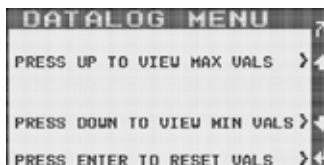
## TROUBLE CODES

Turn key on, engine off, to clear DTC. Request codes: This allows you to read any trouble codes (DTC). Clear codes: This feature allows you to erase any trouble codes.

## DATA LOGGING

This is where all of your minimum or maximum values are stored.

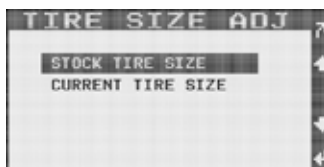
1. From the Main Menu, select Datalogging by highlighting it and pressing Enter.
2. Use the Up arrow to see maximum values or the Down arrow to see minimum values recorded. You may toggle back and forth from minimum to maximum while in this menu by simply using the Up and Down arrow buttons.
3. To reset all Datalogging press the Enter button anytime you are in any of the Datalogging screens.



## TIRE SIZE ADJUSTMENT

This feature allows you to show your vehicle's true speed on the Pulse V2 monitor if you have a larger than factory size tire on the truck. There are 2 parameters you can display; if you choose to show the True Vehicle Speed it is important to select "True Speed" in the display setup.

1. Enter the Main Menu by pressing the Menu button.
2. Select Hardware Options.
3. Select Tire Size Adjustment by highlighting it and pressing Enter.
4. Select Stock Tire Size by highlighting it and pressing Enter.
5. Use the Up and Down arrow to choose the tire size that came on the truck from the factory. The value is in circumference. Not all trucks come with the same size factory tire so there is no default setting. Press enter when finished.
6. Select Current Tire Size by highlighting it and pressing Enter.



- Use the Up and Down arrow to choose your current tire size in circumference, press Enter when finished.

\* Note: If you have different size tires, it is necessary to set this up if you choose to use the 0-60 or ¼ mile performance test talked about later in this manual. Failure to do so will cause incorrect readings.

## TO CALCULATE YOUR TIRE SIZE

Take the diameter of your tire, multiplied by Pi.  $\text{Diam.} \times 3.14 = \text{Circumference}$ .

Or go to, <http://www.csgnetwork.com/tiresizescalc.html> and use the online calculator to determine your tire size.

## ADJUSTING THE BACKLIGHT

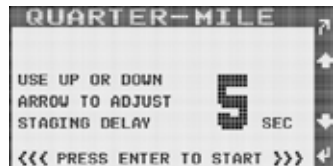
Select Backlight Adjustment from the Main Menu and use the Up and Down arrows to make the backlight more or less bright. The display will change as you move the settings so that you can visually see how bright the display is. Press Enter when done.

## PERFORMANCE TESTS

This Main Menu will allow you to perform 0-60 mph and ¼ Mile Testing. It is important that if you have different sized tires than your vehicle came with from the factory that you set up your Tire Size adjustment as mentioned previously. Not adjusting for larger tires will substantially reduce the test's accuracy.

### 0-60MPH TEST

- Select Performance Tests from the Main Menu by highlighting it and pressing Enter.
- Make sure your vehicle is at a complete stop.
- Select 0-60 Test by highlighting it and pressing Enter.
- Use the Up and Down arrows to select your countdown time before the test starts.
- Press the Enter button when you are ready for the countdown to start.

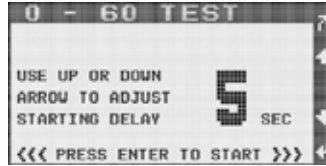


If you fail to move the 0-60 Test will automatically abort after approximately 7 seconds. The test will automatically stop once you have reached 60 MPH and will be displaying the time it took to reach 60 MPH from the time your vehicle started moving.



### 1/4 MILE TEST

1. Select Performance Tests from the Main Menu by highlighting it and pressing Enter.
2. Make sure your vehicle is at a complete stop.
3. Select Quarter Mile Test by highlighting it and pressing Enter.
4. Use the Up and Down arrows to select your countdown time before the test starts.
5. Watch for the "tree" and accelerate once it "falls".



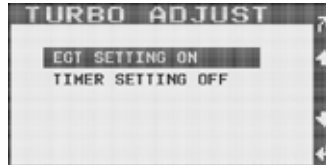
Once complete the 1/4 mile test will automatically stop and display your 60' time and MPH, 1/8 mile time and MPH and your 1/4 mile time and fastest speed at the end of the 1/4 mile. If you fail to move, the test will abort after 7 seconds.

## HARDWARE OPTIONS -

### TURBO TIMER

You can set your Turbo Timer to be time based or EGT based but, you cannot set the timer to work off both time and EGT. Setting the Turbo Timer up will allow your truck to run without the key in the ignition to allow your vehicle to properly cool off. This increases the life of many parts on your truck including your turbo charger. To disable or kill the truck once the Turbo Timer has activated, simply press the accelerator pedal lightly.

1. Enter the Main Menu by pressing the Menu button.
2. Select Hardware Options.
3. Select Turbo Timer by highlighting it and pressing Enter.
4. Select either EGT Setting or Timer Setting by highlighting it and pressing Enter.
5. Use the Up and Down arrow to select the desired EGT your engine must get down to, or the desired time you want the engine to run after you turn the ignition off before the vehicle shuts down, when finished press Enter.



Once set, the Turbo Timer menu will show you which setting is turned on for future reference.

\* If you select an EGT that is lower than the engine can get down to, the Adrenaline will automatically shut the vehicle off after 15 minutes of runtime as a safety precaution.

\*\* When selected, a Turbo Timer Icon will be displayed in the upper right hand corner of the main display.

For EGT the icon is (thermometer symbol)  for Time it is a (clock icon). 

## PRODUCT VERSION

This selection shows your current Pulse V2 software version and is only needed when talking to Technical Support or when deciding if you need one of the updates off of the Quadzilla website.

## RESTORE DEFAULTS

This menu simply lets you reset the entire Pulse V2 to the factory defaults.

## SMARTY CONTROL - Dodge 06-09

Turn this on to enable and control Smarty Pod Settings.

## TO TURN THE SOUND ON/OFF

From the Main Menu scroll to turn Sound On/Off. Hit Enter once while it is highlighted and it will turn the sound for the entire Pulse V2 On or Off.

## VEHICLE SETUP

If you want to use vehicle specific parameters such as current gear, lockup status, and transmission slip% you must setup the Scout for your vehicle. You may have already set this up when prompted upon initial power up. You do not need to repeat this step once it has been completed.

1. Enter the main menu by pressing the Menu button.
2. Select Hardware Options.
3. Select Vehicle Select by highlighting it and pressing Enter. Choose your vehicle by highlighting it and pressing enter, once chosen there should be a small x to the right side of the menu item
4. Select Trans Select and choose the correct transmission for your application by highlighting it and pressing enter. Once chosen there should be a small x to the right side of the menu item.
5. Select Axle Ratio by highlighting it and pressing Enter. Choose the correct axle ratio for your application by highlighting it and pressing enter, once chosen there should be a small x to the right side of the menu item



## **SPECIAL FEATURES**

For the 06-09 Dodge Scout there are some special functions. First is that the main display will always show you current gear status. This is displayed in a small circle in the middle of the display on the right hand side. This allows you to always see your current gear without having to choose it as one of your display parameters.

In addition there is 1 Data at a Glance page for 06-07 Trucks and 3 Data at a Glance pages for The 07.5-09 Dodge Trucks.

### **TROUBLE CODE DATA: 06-09 DODGE TRUCKS**

By pressing the "up" button while on the main display you will be taken to your Trouble Code Data page. On this page is a list of 6 parameters relating to DTC's. You can view these at any time without having to individually select these items. Return to your main display by pressing the down button when finished.

### **DPF PARAMETERS: 07.5-09 DODGE TRUCKS ONLY**

By pressing the down button from the main display you will be taken to all of your DPF at a Glance page. This page shows 7 important DPF related parameters. You can view these any time without having to individually select these items. Return to your main display by pressing the down button.

### **EMISSIONS PARAMETERS: 07.5-09 DODGE TRUCKS ONLY**

By pressing the up button while in the Trouble Code Data page, or pressing the down button while in the DPF Parameters page you will be taken to your Emission parameters page. This is a list of 7 parameters directly relating to Emissions equipment. You can view these any time without having to individually select these items. Return to your main display by pressing up or down twice.

### **ACTIVE REGENERATION ICONS: 07.5-09 DODGE TRUCKS ONLY**

We actively monitor whether your truck is going into de-soot or de-SOX mode at all time. In the event this takes place there is a separate icon that will appear in the upper right hand corner of your main display identifying which event is happening. This happens without you having to select either of these features and at this time there is no way to disable this feature. This allows you to monitor regeneration events while still being able to watch all of your other important parameters.





## 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 insured 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.**

## 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.



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