

JUICE ATTITUDE



08' Ford F-Series 6.4L Power Stroke
Edge Juice Module
Installation Instructions
P/N: 10103



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Edge Products
1080 South Depot Drive
Ogden, UT 84404
1-888-360-3343
Version 4

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 its terms and conditions

DISCLAIMER OF LIABILITY

Edge Products Inc. and its successors, 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 sale of any 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

Edge Products 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 sold 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 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 Edge Products 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.

If the **BUYER** sends back a failed unit that is out of warranty and chooses to buy a refurbished unit, the refurbished unit will only carry a 60 day warranty. If the **BUYER** purchases a new unit at a predetermined discounted rate, it will have the standard 1 year warranty.

Under no circumstances will the **SELLER** be liable for any damage or expenses insured by reason of the use or 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 SIXTY (60) DAYS FROM 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.

AFTERMARKET PRODUCTS AND YOUR VEHICLE'S WARRANTY

Many of our customers ask "will your product void my vehicle's manufacturers warranty?". While the answer is straightforward from a legal standpoint, we also want to educate our customers (and after-market consumers) on some industry realities and offer some common sense precautions to minimize your risk.

Consumers of aftermarket products are protected by The Federal Magnusson-Moss Warranty Act. The Act provides that if something breaks on your car and you take it in for warranty repair, the dealer must honor your warranty unless they can prove that whatever modifications you have added to your car actually caused the problem. Edge's high quality products never have been proven to cause damage to a vehicle when used as intended. Please keep in mind that towing in anything higher than level two and hard driving in levels four and five are not recommended.

While as a consumer, you have strong legal protection with regards to your vehicle's warranty, there is also a practical reality that different automotive manufacturers and dealers have greatly varying views on aftermarket products, in particular those that produce horsepower, such as performance enhancement chips, modified intake manifolds, or aftermarket exhaust systems. There are dealers and manufacturers out there that will use the presence of a horsepower upgrade to void your vehicle's warranty. They will do this regardless of whose product you are using. Any aftermarket company that does not acknowledge this is misleading you. This is also the reason that Edge focuses the bulk of their product development efforts on modules and digital monitors, which can be easily removed before taking your car to a dealer if required.

The bottom line is that while the law protects the consumer and provides for enforcement of the warranty, it is very difficult for most people to hire an attorney and fight a voided warranty. It is for this reason that Edge recommends **always disconnect and remove your module and monitor when you take your vehicle to a dealer for warranty work.**

This warranty is void for any new products purchased through auction websites. Warranty is valid only for new products purchased through Authorized Dealers (proof of purchase required for all warranty claims).

Thank you for purchasing the Edge *Juice* and *Attitude* Module for the Ford 6.4 Powerstroke Diesel®. The *Juice* module has been developed and produced from the highest quality materials available to ensure the best performance for years to come. If you have any concerns or questions, please contact us.

!!! THIS PRODUCT MUST BE REMOVED WHEN TAKING VEHICLE TO VEHICLE DEALERSHIP OR OTHER SERVICE FACILITY!! LEAVING PRODUCT INSTALLED MAY AFFECT DEALER DIAGNOSTIC ANALYSIS AND SCAN TOOL FUNCTIONS!!

The installation of this product indicates that the BUYER has read and understands this agreement as well as the “disclaimer of liability” agreement contained at the end of this document and accepts its terms and conditions.

Edge Juice & Attitude Installation Instructions

IMPORTANT: Read all Disclaimer, Warranty, and Installation Instructions before installing this product.

Supplied Items:

1. Edge Juice Module, Attitude Monitor
2. Harness Cable (attached)
3. Wire Ties, Velcro, 3 Fuse clips
4. Fusion Software CD
5. USB to USB cable
6. Attitude pod mount and brackets

It is important to make sure that your juice module is always connected to the harness when the wiring harness is connected to the truck, otherwise the truck may not run properly, or may trip engine “codes.”



The Edge Juice Module

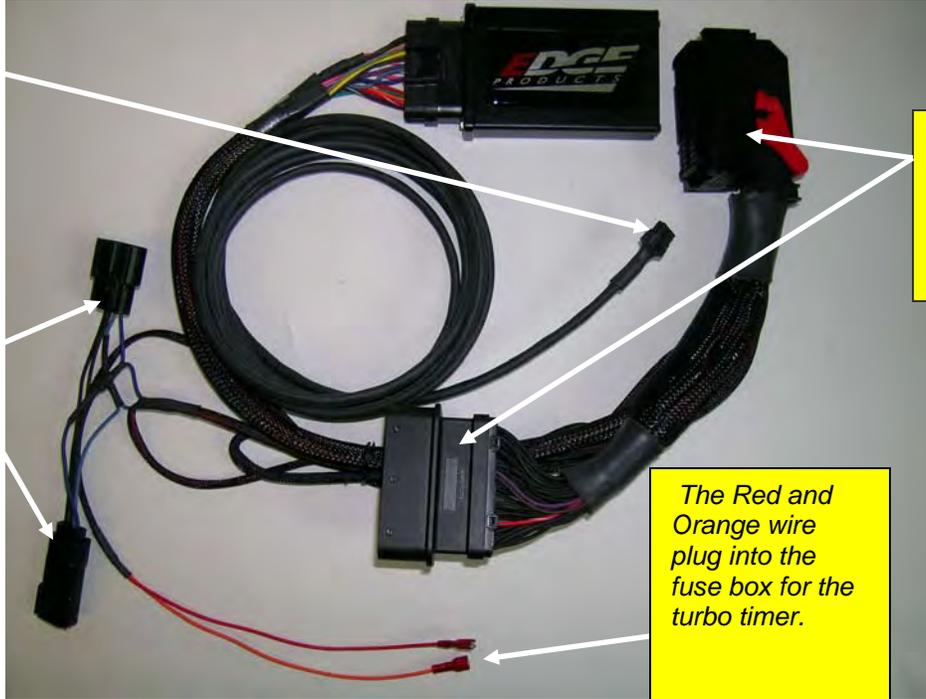
This picture shows the Edge Juice Module with the harness cable attached. It is essential that the cable that is supplied with the module gets connected as labeled in the picture.

*This connector
plugs into the
Edge Attitude
Display module.*

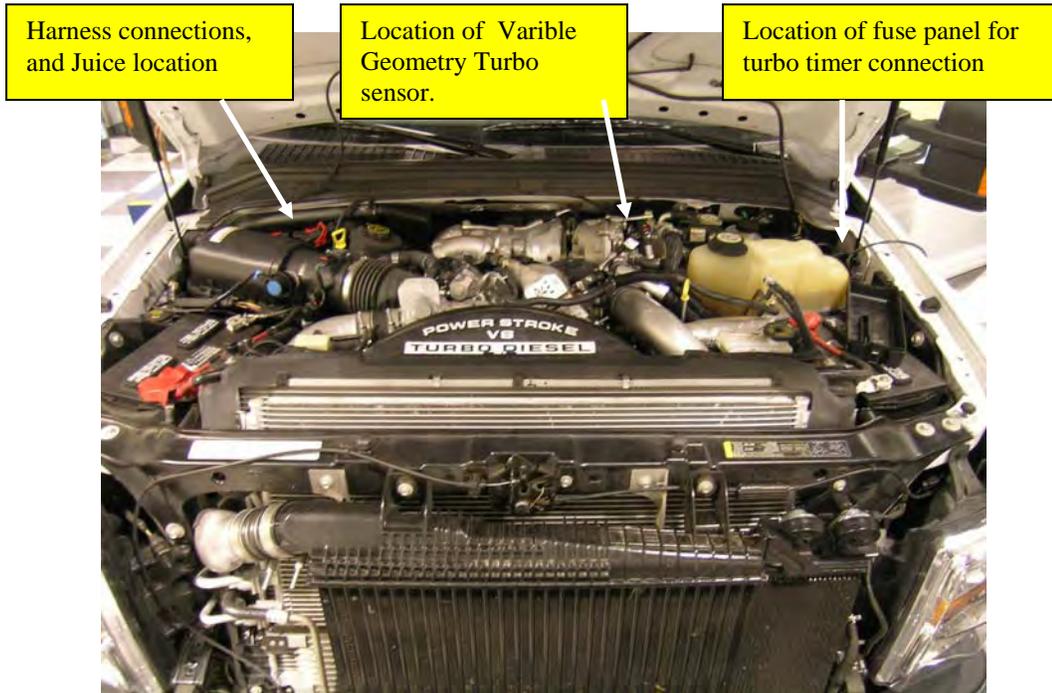
*Variable
Geometry
connections*

*The PCM cable
to connect to the
PCM plugs on
the truck.*

*The Red and
Orange wire
plug into the
fuse box for the
turbo timer.*



Module Connection Location



(Figure 1)

This picture shows where to install the harness connections.

Harness Connection



(Figure 2)

1. The harness connections on the PCM are located on the passenger side up against the firewall.



(Figure 3)

2. Disconnect the black connector that is closest to the drivers side, by moving the red tab from one side to the other; then connect the female end of the Juice harness to the PCM; then take the connector that was unplugged from the PCM (male) and connect that to the other end of the Juice harness

3. Then set connectors in place. See (figure 4)



(Figure 4)

Notice: Use caution when inserting connector bodies. If connector does not slide smoothly inspect pins and retry.

3. Route the module harness connection under the intake tube. See figure 5.



Figure 5

4. Then route the harness under the filter sensor and place the Velcro strips on the side of the stock air box, and set the juice module in place. See figure 6



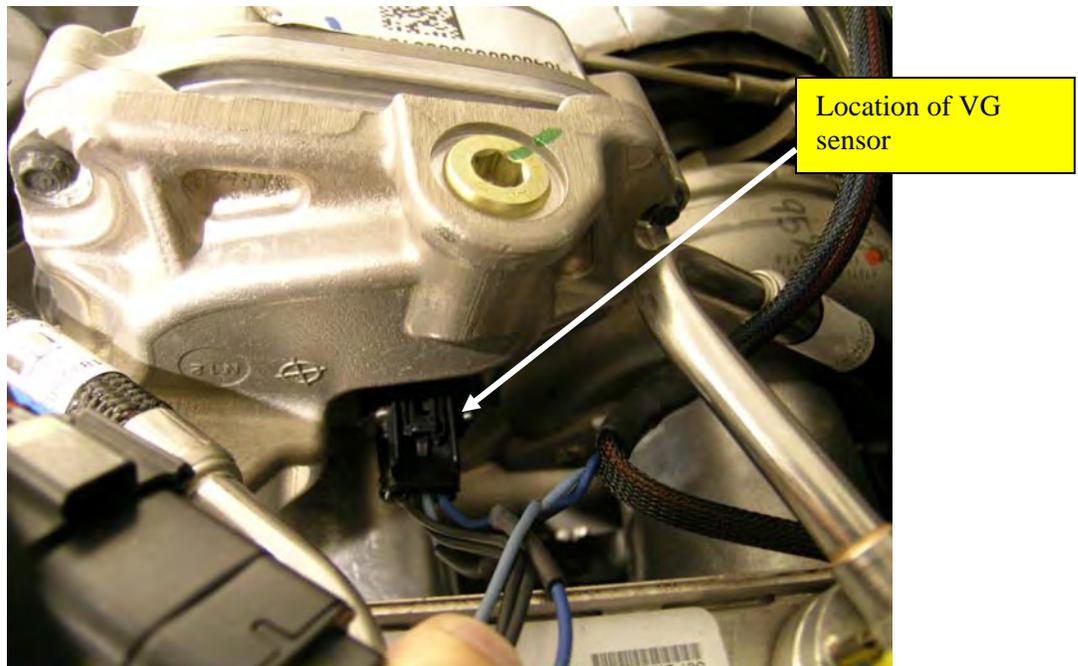
(Figure 6)

5. Now route the remaining harness under the plastic air vent along till you reach the Variable Geometry Sensor. See figure 7.



(Figure 7)

6. Figure 8 shows the location of the Variable Geometry Sensor



(Figure 8)

7. Unplug the Variable Geometry Turbo Sensor from the truck, and connect the Juice harness to both connections. See figure 9.



(Figure 9)

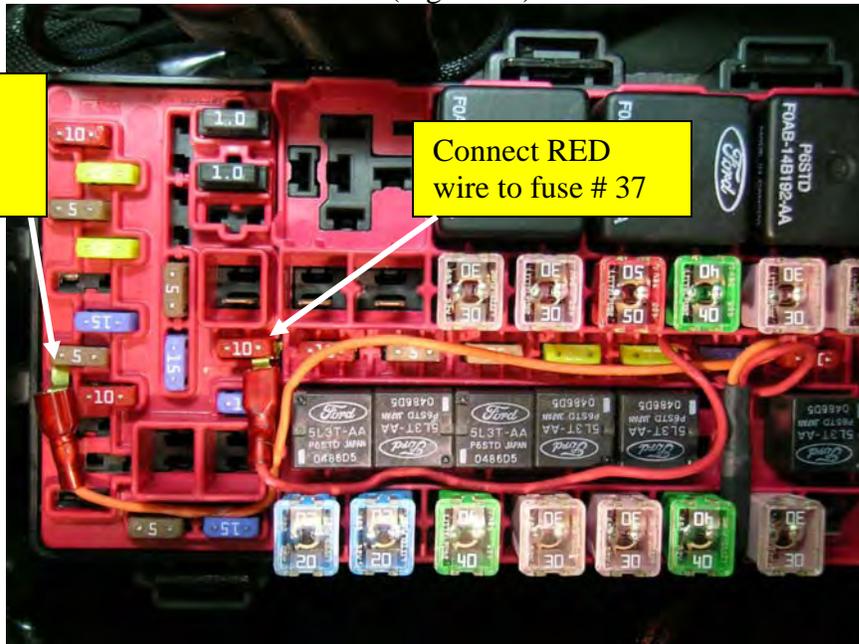
8. Continue to route the turbo timer wire and the Attitude cable, along the hood vent towards the driver side.

9. Then locate the fuse panel under the vacuum pump; then continue by removing the vacuum pump to gain access to the fuse panel. See figure 10



Twist tab to remove the vacuum pump. Lift the pump up and outwards to remove.

(Figure 10)



10. Once the cover of the fuse panel has been removed, place the brass fuse tap on the prongs of each fuse and place back in the fuse box. **Place the Orange wire on fuse# 71 (5 amp fuse), and the RED wire on fuse #37 (10 amp fuse).** **Note: You may need to run the wires back towards the firewall, to the middle of the fuse panel, then exit the fuse panel on the drivers side of the fuse panel. Make sure that the wires do not get pinched in the housing.**

11. Once the fuse panel cover and the vacuum pump have been set back in place, continue by routing the attitude cable through the rubber grommet that the main wiring harness goes through and into the cab, which is located right behind the fuse box.
12. Pull back the weather stripping just inside the driver's door, to gain access to the side panel.



13. Remove the side panel, so that the drivers' side of the dash is exposed.



14. Run the Attitude cable up through the dash to the beginning of the "A" pillar.
 15. Then slide the cable between the dash and the bottom of the "A" pillar with some slack in the cable for the monitor to fit through the pod, then replace the side panel and the weather stripping.
 16. Place the pod in location; with the pod set in place, slide each bracket starting with the number one, through the opening of the pod to its assigned location on the pod.
- Note: On the brackets will be numbers 1, and 2; those numbers should coincide with the numbers stamped on the inside of the pod.**

17. Once the pod is set in place, install the rubber grommet in the opening of the pod.



18. Then connect the cable to the back of the monitor, and press the monitor in to the pod.

Final Inspection

19. Recheck all connections for a properly secure installation.
20. Using the supplied wire ties, secure the wiring harness from possible damage from moving parts under the hood.
21. Start engine. Engine should start and run like a stock truck. If engine does not start or run properly, remove box and inspect pins inside connector. If conditions still exist, contact your dealer or Edge Products, Inc. When trying to restart, wait 10 seconds once key has been turned off.

Key Features and Operation

The Juice module offers a large power increase over stock throughout the rpm range, but is most noticeable in the midrange rpm's. This greatly improves drivability and towing performance. Transmission downshifting is greatly reduced, especially while passing or towing up grades.

While towing, the Juice module allows the engine to pull many grades in the mid rpm's rather than having to downshift and pull them in the high rpm's. This provides for lower EGT (Exhaust Gas Temperature) with the same power output. EGT rises significantly with rpm--especially above 2500.

It is recommended while towing to use power levels 1 or 2 due to EGT temperature and transmission stress

Transmission Adjustment Period

The TorqueShift Transmission will learn and adapt its shifting strategy to adjust for transmission clutch wear and operator driving styles. As a result, the adaptive shifting strategy that the transmission learned is cleared and the shifting tables may be set to default values. Immediately upon installing the Juice, you may notice that the transmission shifts flare, or feel different than what you are accustomed to. The transmission needs to re-learn its shifting strategy.

About the Attitude

The Attitude allows you to monitor the performance of your vehicle's vital engine components and output values. The following parameters can be displayed on the main Attitude screen:

- EGT (exhaust gas temperature)
- Barometric PSI
- Battery Volts
- Speed MPH
- Engine Coolant Temp
- Engine Oil Temp
- ¹Gear (torque converter lock)
- Intake Air Temp
- Load %
- Run Time
- Transmission Temp
- Throttle %
- Turbo Boost PSI
- Back down %
- DPF Regeneration On/Off
- EBP psi (Engine Back Pressure)
- Fuel Temp
- TC Lockup
- Engine Speed

One of the most powerful features of the Attitude is the option to monitor the EGT of your vehicle and automatically lower the power output to maintain an EGT below a maximum desired level. The Attitude will also alert you both visually and audibly at pre-

¹ A lock symbol will appear next to the current gear on the Attitude display if the torque converter is locked.

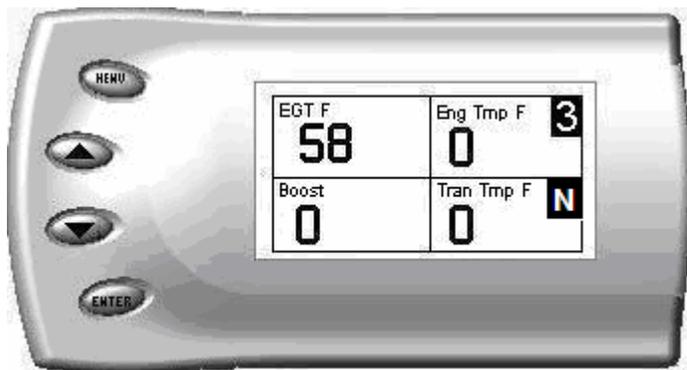
set engine parameter thresholds and also record the maximum values reached in each of the parameters.

1. Connect the *Attitude* to your *Edge Juice* module by snapping together the cables with green connections. Secure any excess cable to prevent entanglement with moving engine parts.

Once your *Attitude* monitor is installed successfully and you have turned on your vehicle, you will see a screen similar to the following:



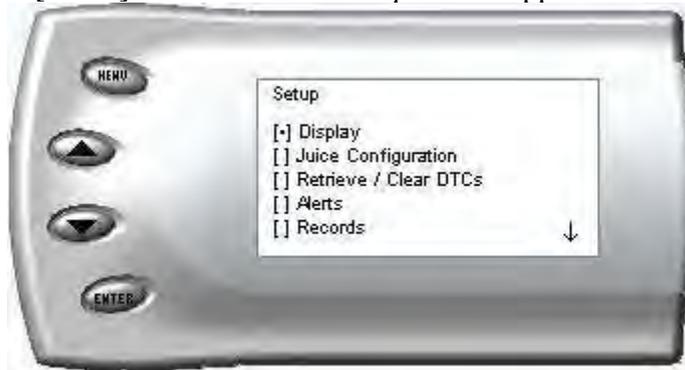
Press the <ENT> key to accept the terms and conditions in your Owner's Manual. A screen similar to the following appears indicating that your Juice and Attitude were installed correctly.



Changing the Display View

The Attitude allows you to view multiple engine parameters on the same screen. To select a desired view, perform the following steps:

1. Press the [Menu] button until the *Setup* screen appears:

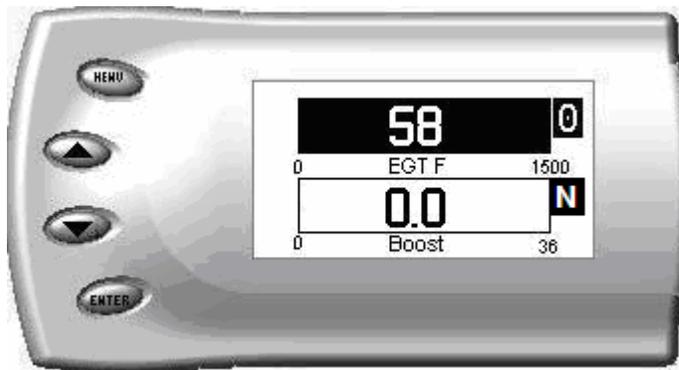


2. Select the Display option and press the [Enter] button. The following screen appears:

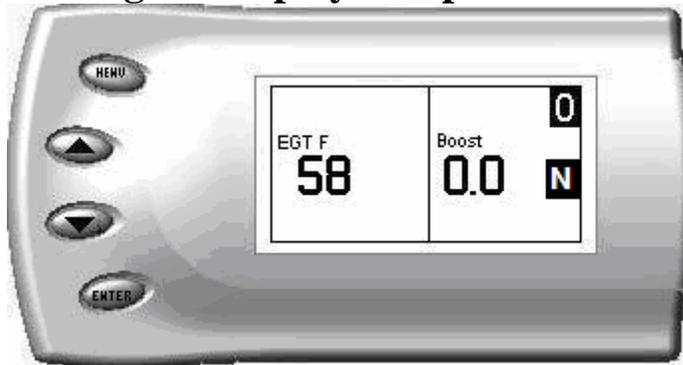


3. Select the desired viewing option by using the up and down arrows and pressing the [Enter] key. Below are examples of the display options:

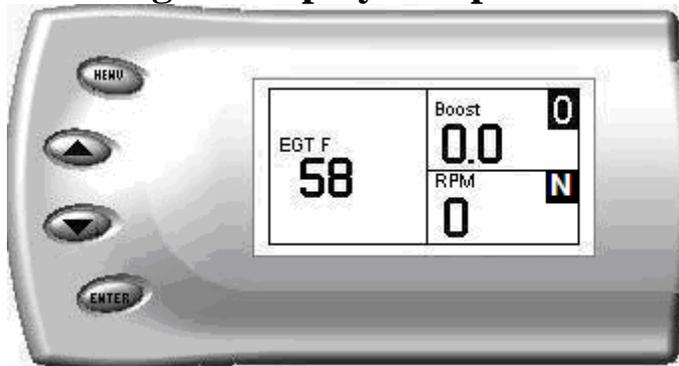
Two Function Bar Graph Display Sample



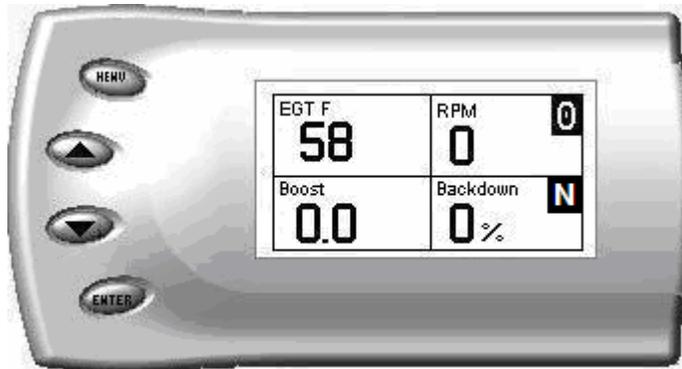
Two Function Digital Display Sample



Three Function Digital Display Sample



Four Function Digital Display Sample



Changing the Variables on the Screen

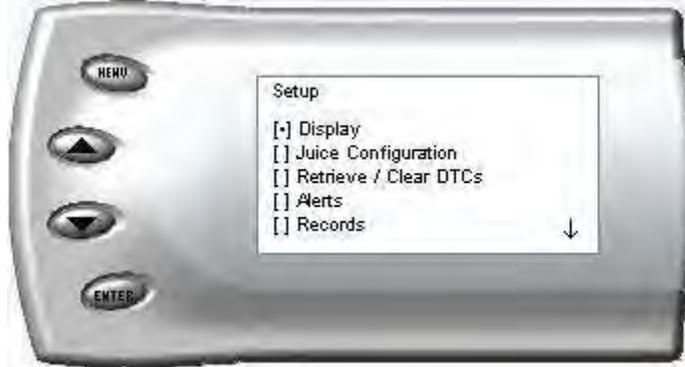
The following is a list of main options that can be performed on the Attitude, the majority of which have sub-options for advanced settings:

- EGT (exhaust gas temperature)
- Barometric PSI
- Battery Volts
- Speed MPH
- Engine Coolant Temp
- Engine Oil Temp
- Gear (TCC Lock)
- Intake Air Temp
- Load %
- Transmission Temp
- Throttle %
- Turbo Boost PSI
- Percent back down due to high EGT
- DPF Regeneration On/Off
- EBP (Exhaust Back Pressure psi)
- Fuel Temp
- TC Lockup
- Back down %

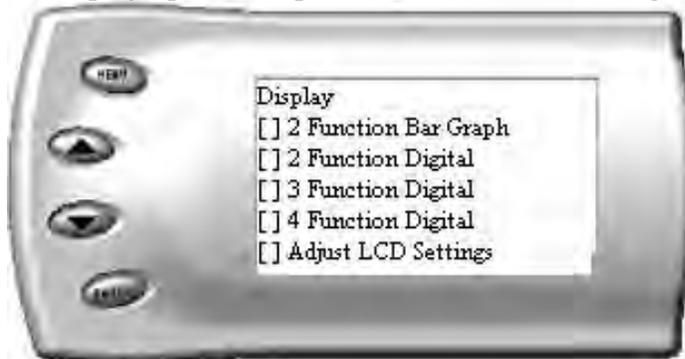
Display

To change the variables on the screen, perform the following steps:

1. When viewing the main screen of variables, press the [Menu] button. The following screen appears:



2. Select the Display option and press [Enter]. The following screen appears:



3. Select the desired display style you would like and press [Enter]. Depending on which option you choose, a screen similar to the following appears:



4. This screen lists the current variables you have selected to view and their respective positions on the screen (i.e., TOP LEFT, etc.). Select the variable you would like to change and press [Enter]. A screen listing the possible replacement variables similar to the following appears:



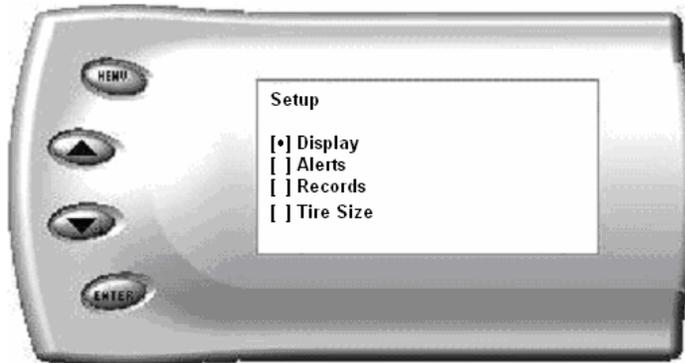
5. Select the variable you would like to view and press [Enter]. The Setup Digital Displays screen appears again listing the variable options you have chosen to view. If you have no more changes, select the *Set As Display* option and press [Enter]. The main screen appears with your desired variable in view.

Changing the Backlighting

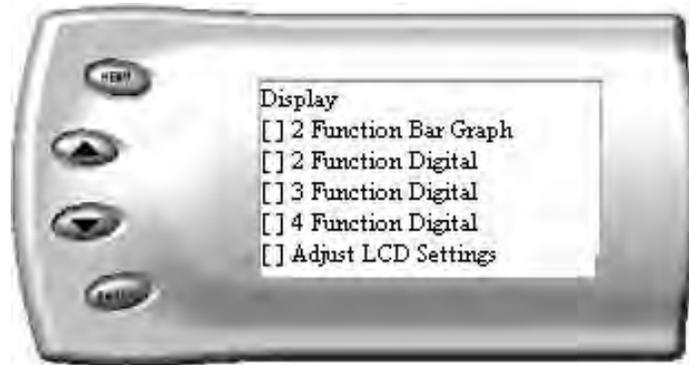
Adjusting the Backlight Color/Contrast

To change the backlighting color, perform the following steps:

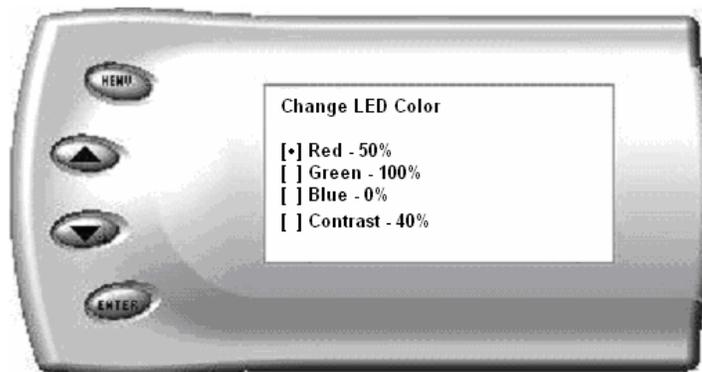
1. From the *Main Menu* select the *Setup* option. The *Setup* screen appears as follows:



2. Select the *Display* option. The following screen appears:

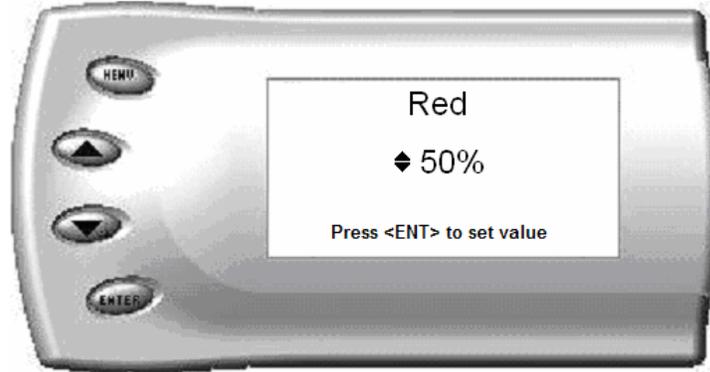


3. Select the *Adjust LCD Settings* option. The following screen appears:



4. Select the color you would like to change.

- Depending on the color you select, a screen similar to the following appears (example of Red):



- As you adjust the percentage shown on the screen, you should notice a change in the color of the screen. Once the desired color value has been reached, press [ENTER]. If you would like to return to the previous screen and abort the current color change, press [MENU].
- Follow the same steps to adjust the contrast.

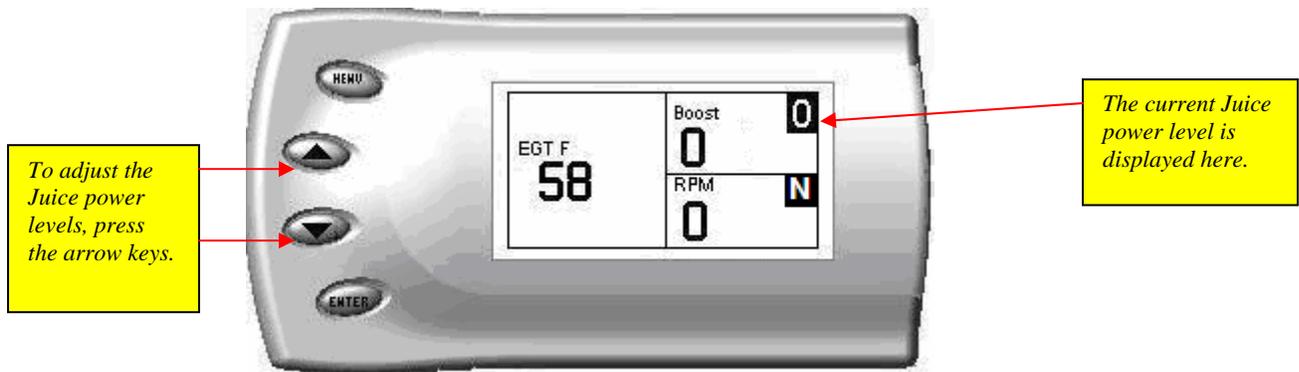
Adjusting the Backlight Brightness

When viewing engine parameters (like the sample below) press the [ENTER] key to adjust the brightness of the display. Each time the button is pressed the backlight will either brighten or dim by 10% of the total brightness or turn off. The default setting is 100% brightness.



Adjusting Juice Power Levels

The Juice power level is displayed in the upper right-hand corner of the screen when vehicle parameters are being viewed. To adjust the power levels, press the arrow keys to the desired level. Levels can be changed at any time while viewing vehicle parameters.



Power Levels

<u>Horsepower</u>	<u>Torque</u>
Level 1- 20	60
Level 2- 30	80
Level 3- 40	100
Level 4- 60	130
Level 5- 70	150

Juice Configuration

Juice Configuration

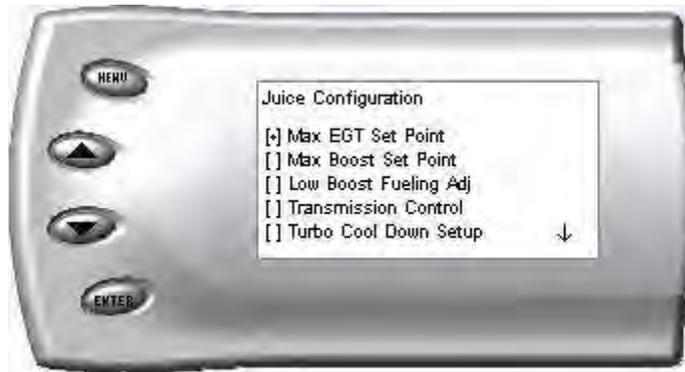
- Max EGT Set Point
- Max Boost Set Point
- Low End Responsiveness
- Transmission Control
- Turbo Cool Down Setup
- Cold Engine Protection
- Tire Size

The *Attitude* allows you to configure the Juice module in a variety of ways. To change the Juice configurations, perform the following steps:

1. Press the [Menu] button until the *Setup* screen appears:



2. Select the *Juice Configuration* option and press [Enter]. The following screen appears:

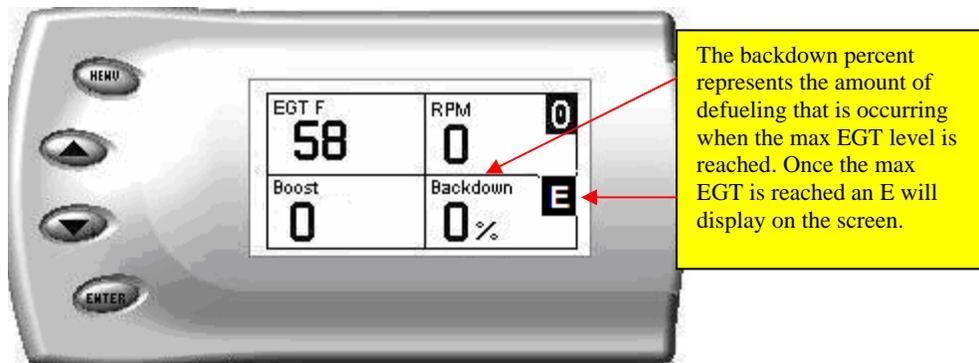


3. Select the desired option and press [Enter]. The following are descriptions of each of the Juice Configuration options available:

Max EGT Set Point

As the exhaust gas temperature approaches the EGT set point, a percentage of defueling occurs. This percentage is represented by the backdown value you can display on the screen. The percentage represents the amount of *defueling* that is occurring due to the max EGT value being reached. In other words, fueling is decreased at higher percentages. When this value reaches 100% the fueling delivered by the Juice module will be totally disabled. However, stock fueling will allow the truck to reach its stock EGT levels which may exceed the preset *Max EGT Set Point* which you set in the Attitude.

Important Note: Any other high performance modifications in addition to the Juice can allow the fueling to exceed stock EGT levels even after 100% defueling by the Attitude is reached, which may result in detrimental EGT levels.



After selecting the *Max EGT Set Point* option from the Juice Configuration screen (previous steps), the following screen appears:

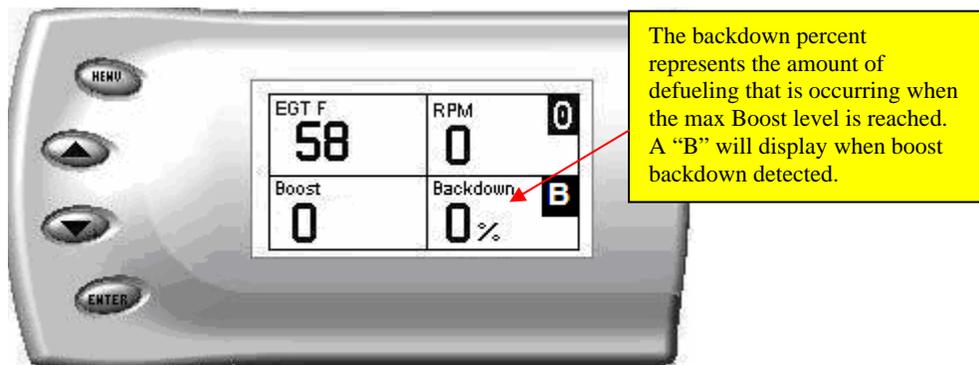


Change the Max EGT set point by pressing the up and down arrow keys to select the maximum temperature that you want the exhaust gas temperature to reach, then pressing [Enter]. When the exhaust gas temperature reaches this value, the power delivery will be decreased so as not to allow the temperature to exceed this set value.

Max Boost Set Point

As the turbo boost approaches the maximum boost set point, a percentage of defueling occurs. This percentage is represented by the backdown value you can display on the screen. The percentage represents the amount of *defueling* that is occurring due to the max boost value being reached. In other words, more fueling is decreased at higher percentages. When this value reaches 100% the fueling delivered by the Juice module has been totally disabled. However, stock fueling will allow the truck to reach its stock boost levels which may exceed the preset *Max Boost Set Point* which you established in the Attitude.

Important Note: Any other high performance modifications in addition to the Juice can allow the fueling to exceed stock Boost levels even after 100% defueling by the Attitude is reached, which may result in detrimental Boost levels.



After selecting the *Max Boost Set Point* option from the Juice Configuration screen (previous steps), the following screen appears:



2. Change the Max Boost set point by pressing the up and down arrow keys to select the maximum pounds of boost that the turbo is allowed to produce. Once the number is set, press [Enter]. When the boost level reaches this value, the power delivery will be reduced so as not to allow the boost to exceed this set value.

Low End Responsiveness Adjustment

In the Juice Configuration menu, select the *Low End Responsiveness* option.

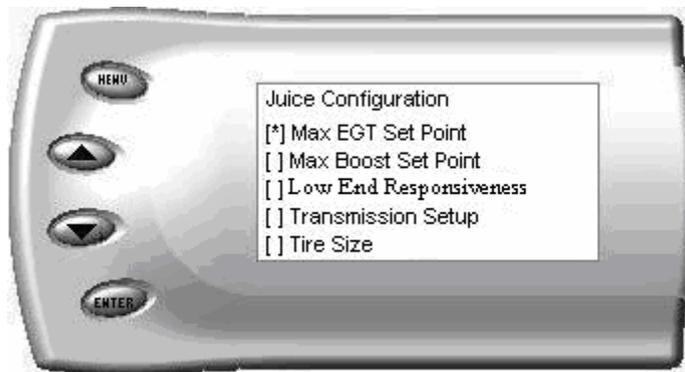


Figure #1

You will then see the Low-End Responsiveness menu (Figure #2). On this screen you will see the power level on the left, and the current Low-End Responsiveness sub-level setting on the right. To change the Low-End Responsiveness sub-level, first select the power level where you want to adjust the Low End Responsiveness, press Enter.

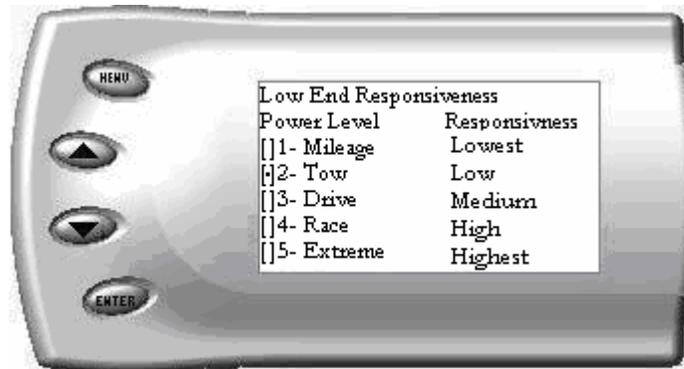
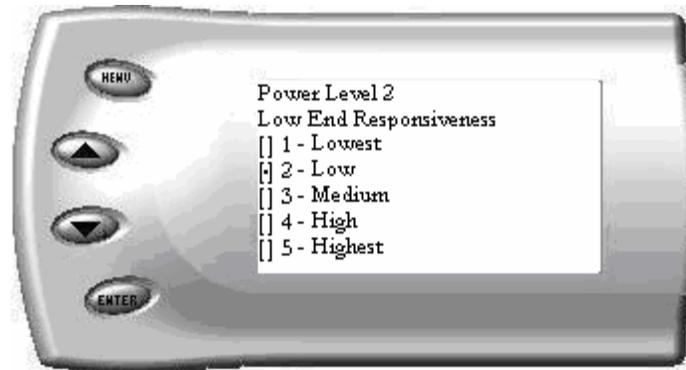


Figure #2

To change the Low-End responsiveness sub-level, select the power level you want to adjust by scrolling to the appropriate power level & pressing enter

After you press [Enter], the following screen appears allowing you to select the Low End Responsiveness Adjustment sub-level that will be unique to the Power Level you chose, unless you change the setting, the low-end responsiveness will remain set to the option you choose on this screen (figure #3).



(figure 3)

The Low-End Responsiveness Levels are rated from least responsive to most responsive. Choosing level 5 will give you the most low end response in the power level identified at the top of the screen. Choosing level 1 will net the least amount of responsiveness in the power level listed at the top of the screen.

IMPORTANT REGENERATION NOTE!!

Active Regeneration

Your vehicle is equipped with a diesel particulate filter (DPF). This filter is used in conjunction with a diesel oxidation catalyst. Together they work to reduce the amount of harmful exhaust emitted from the tailpipe. As soot builds up in the DPF it will begin restricting the filter. The soot that gathers is automatically purged in one of two ways: Passive Regeneration & Active Regeneration. Both methods occur automatically and require no action on your part. During either of these regeneration methods, you may notice an increase or change in the exhaust noise & increased EGT. (exhaust gas temperature). While this process is happening you will notice a fluctuation in EGT, even while maintaining a constant load. This process will occur as often as needed and is necessary for the proper operation of your vehicle's emission reduction system.

Passive Regeneration

Passive Regeneration happens when the exhaust temperature (EGT) reaches an appropriate level in order to oxidize or burn soot to clean the DPF. This method happens as a result of normal engine operating conditions, typically when the engine reaches an EGT high enough to burn off the soot (i.e. heavy towing, high load conditions etc.)

If EGT's do not get hot enough to cause Passive Regeneration, then your truck's engine-control system automatically initiates an active regeneration. During active regeneration, the DPF is cleaned by raising the exhaust temperature to a point where the soot is burned away. This is accomplished through various engine actions which raise the EGT's in the oxidation catalyst/DPF system to an appropriate high level where the soot is burned off. After the soot is burned off, the EGT's and back-pressure (restriction) fall back to normal levels.

HOW DOES THE JUICE MODULE AFFECT THE DPF?

The Juice Module utilizes aggressive fueling strategies in order to achieve horsepower gains. The added fueling may cause more instances of Passive Regeneration. Additionally, depending on your settings/driving style, you may also see Active Regeneration occur more often than you would with a stock vehicle.

In order to minimize the number of times that your vehicle will initiate Active regeneration;

- *Avoid driving aggressively with the Low End Responsiveness set to most responsive*
- *Avoid towing with the Low End Responsiveness set to most responsive*
- *Avoid towing in levels higher than level 2*
- *Avoid short aggressive bursts of acceleration, this may cause a large build up of soot, and the short sprints may not allow a regeneration cycle to initiate.*

Benefits the Juice has on the DPF system

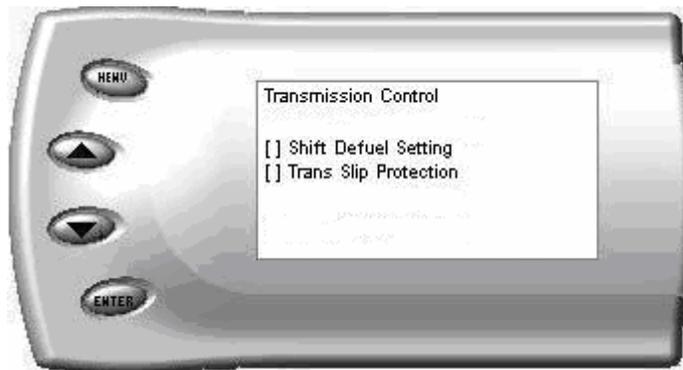
The Attitude contains two useful features for monitoring your truck's regeneration cycle. The Attitude has a built-in audible alert notifying you when the cycle is initiated. Edge strongly recommends you monitor and display the regeneration cycle in order to allow for a proper and complete regeneration cycle. Since the release of the DPF on the 2008 6.4L Ford pickup, it has been confirmed that DPFs may clog and become unusable if owners do not allow for a complete regeneration cycle. Even then, DPFs may still become clogged and unusable under normal use, with OEM equipment or aftermarket parts installed.

Important Note: *It is the customer's responsibility to watch for and ensure complete regeneration cycles. Edge Products' devices do not adversely*

affect the regeneration cycle of your vehicle. Any vehicle exhaust- and emission-system issues are the sole responsibility of the vehicle owner and the OEM. No DPF warranties are expressed or implied.

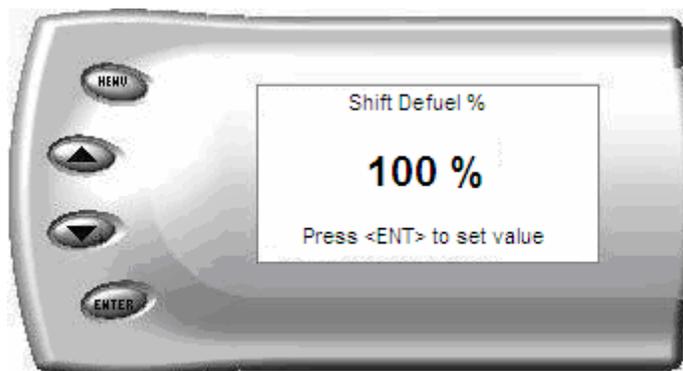
Transmission Control

After selecting the *Transmission Control* option from the Juice Configuration screen (previous steps), the following screen appears:



Shift Defuel Setting

With this option the amount of fuel delivered to the engine during the shift point is reduced—thus decreasing torque during the shift point. This will cause less wear on the transmission—and result in overall improved drivability. You also have the ability to adjust the defuel setting from 0%-100%, at 100% the Juice module goes back to stock as the truck shifts, then brings the power back on.



Transmission Slip Protection

This option determines if the transmission slip protection feature is on or off. If this feature is ON and slip is detected across the torque converter (while locked), the Juice / Attitude will reduce the amount of fuel delivered to the engine until slip is no longer detected; if it is OFF the Juice will not defuel for any slip.



Turbo Cool-Down Setup

This feature allows the engine to continue running (after key-off) until one of two conditions are met. 1) if the EGT falls below the target EGT set point or 2) the time set expires. Press the brake pedal to override this feature and shut off the motor.

WARNING: Due to potential exhaust buildup, it strongly recommended that this feature not be used if your vehicle's motor will be running unattended in a garage or enclosed area.



Use EGT



Use Time
(In minutes)



NOTE: The turbo timer will not function when the truck is regenerating.

Cold Engine Protection

The Cold Engine Protection prevents the Juice module from adding additional fuel and timing until after the engine reaches normal operating temperature. Power delivery starts coming on at 135 degrees F and max power is reached at 170 degrees F.

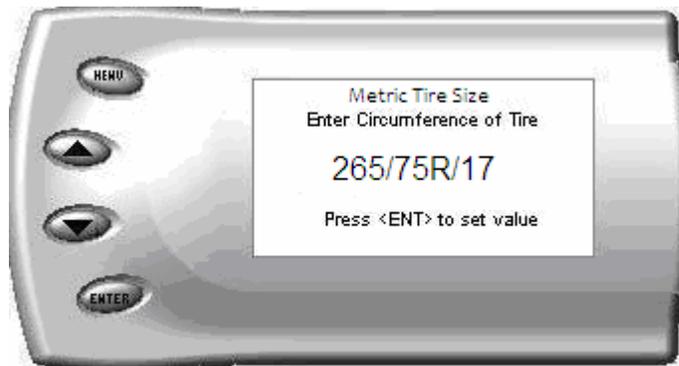


Tire Size

Ford has offered a variety of different stock tire sizes in the model years for which this product was designed. Please enter the size of tires installed on your truck so the Edge Attitude can correctly calculate the true MPH and torque converter lock up points. Simply enter the size that is displayed on the sidewall of the tire.

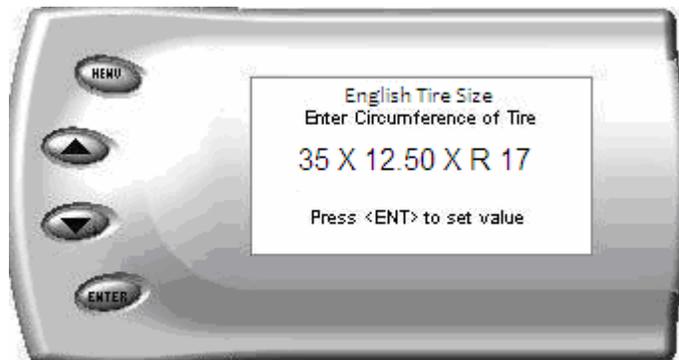
NOTE: You must enter the stock size then the size that is currently on the vehicle.

Enter the STOCK tire size for your vehicle.



(Metric)

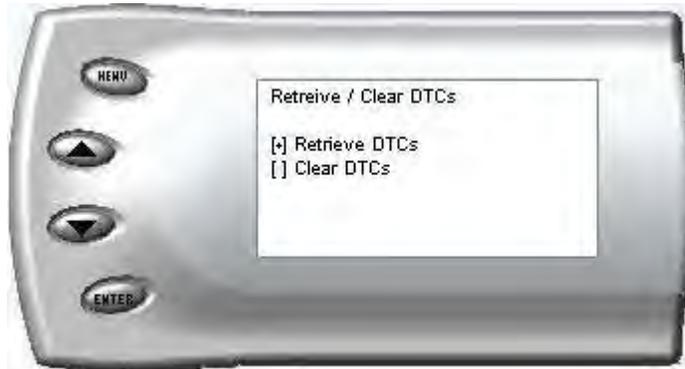
Enter the current tire size (the size of tires you currently have installed on your vehicle).



(English)

Retrieve / Clear Diagnostic Trouble Codes (DTC)

This function interrogates the PCM and TCM and retrieves and displays any trouble codes available.



Clearing Trouble Codes

Diagnostic trouble in the PCM and TCM can be cleared by selecting the “Clear DTCs” from the menu.



Note: After clearing trouble codes you may notice a P-1000, code displaying in your moitor, this error occurs when all other DTC's have been erased from the system. This error will subside when all OBD monitors have been completed.

Alerts

The Attitude can actually alert you when certain engine parameter levels are met such as EGT, Boost, and Engine Temperature. When these parameter thresholds are met or exceeded, the Attitude screen will display the value and you will hear a repeating audible alarm. The volume of this audible alarm can not be changed.

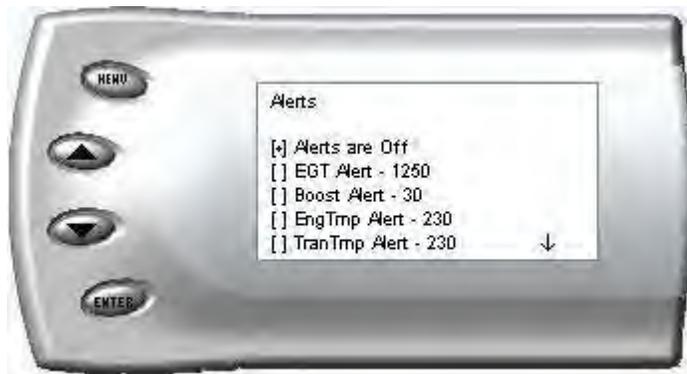
- EGT Alert
- Boost Alert
- Engine Temp Alert
- Transmission Temp Alert
- Speed Alert
- DPF Regeneration Alert On\Off

To set alerts, perform the following steps:

1. Press the [Menu] button until the *Setup* screen appears:



2. Select the *Alerts* option and press [Enter]. The following screen appears:



3. Turn alerts *On* by scrolling to the *Alerts are On/Off* option and press [Enter] to turn alerts On or Off.

To change the EGT Alert value [default is 1350] scroll to the *EGT Alert* option and press [Enter]. The following screen appears:



4. Press the up and down arrow keys until you see the desired EGT level at which you want to be alerted and press [Enter] to set that value.
5. To change the Boost Alert value [default is 50] scroll to the *Boost Alert* option and press [Enter]. The following screen appears:



6. Press the up and down arrow keys until you see the desired Boost level at which you want to be alerted and press [Enter] to set that value.
7. To change the Engine Temperature Alert value [default is 230] scroll to the *EngTemp Alert* option and press [Enter]. The following screen appears:



8. Press the up and down arrow keys until you see the desired Engine Temp level at which you want to be alerted and press [Enter] to set that value.
9. To change the Transmission Temperature Alert value [default is 230] scroll to the *TranTemp Alert* option and press [Enter]. The following screen appears:



10. Press the up and down arrow keys until you see the desired Transmission Temp level at which you want to be alerted and press [Enter] to set that value..
11. To change the Speed Alert value [default is 85] scroll to the *Speed Alert* option and press [Enter]. The following screen appears:



12. Press the up and down arrow keys until you see the desired Speed at which you want to be alerted and press [Enter] to set that value.

Note: If you desire to temporarily stop the Attitude from alerting you to a specific threshold, while the actual alert is signaling you, press any key (menu, arrow or enter) and the alert will temporarily stop. When all of the alarm parameters drop below the set thresholds, then exceed them again, the alert will start up again.

Records

The Attitude can keep a record of the maximum engine parameter values that your vehicle produces. These records are stored in the Records section of the Attitude.

- Engine Temp F
- 0-60
- ¼ mile speed
- ¼ mile time
- RPM
- Trans Temp
- Speed

To view or clear these values, perform the following steps:

1. Press the [Menu] button until the *Setup* screen appears:



2. Select the *Records* option and press [Enter]. The following screen appears:



3. All of the records are stored on this screen. To clear an individual record, select that record and press [Enter]. To clear all the values, select *Clear All* and press [Enter].

Disabling Backdown

There are times you may want to disable the backdown feature for a limited period such as in a competition setting. For whatever the reason you can disable the EGT backdown for a period of 0-60 minutes.

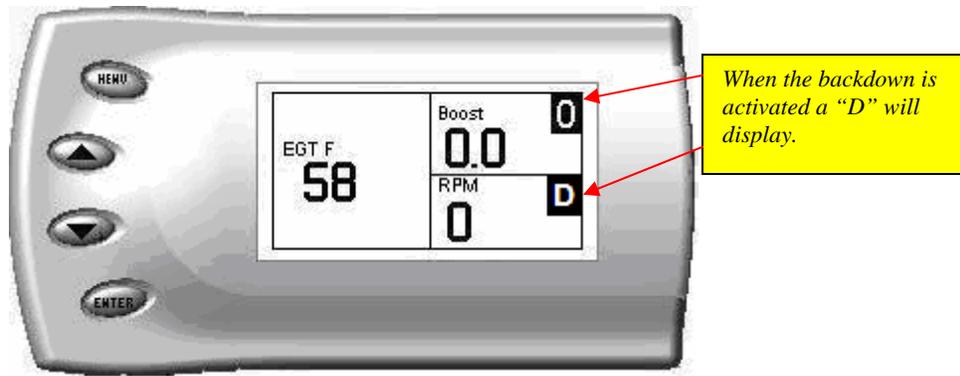
Warning: *Disabling this feature could lead to dangerous EGT levels.*

To remove the back down features, perform the following steps:

1. Make sure the Attitude is set to view the EGT level as one of the engine parameters.
2. When you are viewing EGT as one of the engine parameters, press [Enter] twice quickly and the following screen will appear:



3. The number on this screen represents the number of minutes the Backdown feature will be disabled. Press the up or down arrow keys to select the desired number of minutes you would like this feature disabled.
4. After you have selected the number of minutes you would like the backdown option disabled, press [Enter]. The screen will return to your previous view mode, and then a “D” will appear below the power level, indicating the backdown has been disabled.



Backdown Displays

There are many reasons why the Juice would backdown horse power, and now the monitor will simply display a letter just below the power level that will inform you why. Below is a list of meanings behind those letters.

- N—No back-down present
- B—Boost back-down
- E—EGT back-down
- S—Transmission-slip back-down
- D—All back-downs have been disabled.
- C—Cold engine protection back-down

Performance Tests

The *Attitude* allows you to test the performance of your vehicle by timing the 0-60 and the ¼ mile times. To run these tests, perform the following steps:

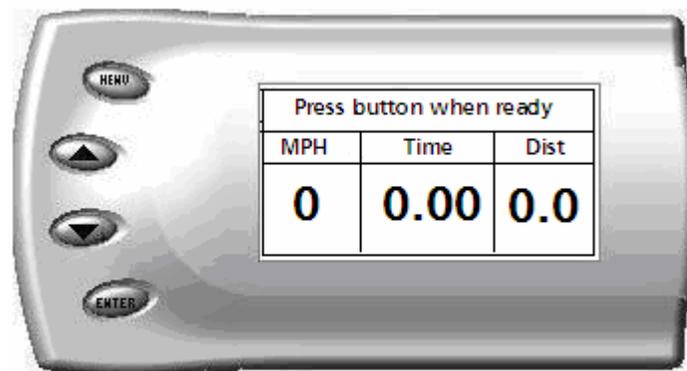
1. Press the [Menu] button until the *Setup* screen appears:



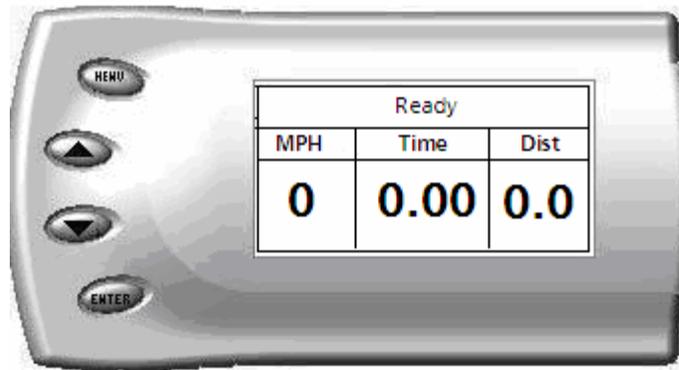
2. Select the *Performance Tests* option and press [Enter]. The following screen appears:



3. Select the desired performance test and press [Enter]. The following screen appears:



4. When your vehicle is at a complete stop, press any button then accelerate; the monitor will stop your time once you have reached 60 mph, and your time will then be displayed.
5. When performing the quarter mile test the following screen will appear.



The monitor screen will then flash 3 times to simulate the lights at a drag strip, then when you get the green light the monitor will display “GO” at the top of the screen.

Module Diagnostics

Follow the instructions on screen to use Juice and Attitude diagnostics



Below is a list of codes that may display if there is an error in either a connection to the system, or a failure.

- Attitude Communication Error
- OBDII Communication Error
- Crank Timing Signal Error
- Hardware Fault: Voltage
- Hardware Fault: Ground
- Hardware Fault: Fuel Pressure

Module Information



Restore Default Settings



This feature sets the Attitude settings back to factory settings.

Internet update

The Juice and Attitude have the ability to be updated over the internet, which can make for fast and easy solutions to certain issues or if you would just like to keep everything up to date.

1. Take the monitor out of the rubber grommet in the dash pod, then disconnect it from the back of the monitor.
2. Connect the monitor to a computer that has an internet connection, with the supplied USB cable, then insert the Fusion CD, or visit edgeproducts.com for a complete download of the Fusion software.
3. Once the Fusion disk is inserted, or the software has been downloaded, a “Fusion Install Wizard” will be displayed. Follow the on screen prompts, to install the software.
4. Once the software is installed, and you have filled in all of your information, there will be an icon for the Fusion program on your desktop. Simply open the program and wait while Fusion checks for updates. Once that is complete the screen will prompt you to connect your monitor. Then the following screen will appear.



5. Click “Easy” to begin the updating process, this may take a few minutes.
6. Once that is complete, disconnect the monitor from the computer and connect it back into the cable coming out of the dash pod.
7. Turn the key on, **but do not start**. Then the display on the monitor should look like this.



8. Once the juice has been updated the splash screen will appear, then the update to both the juice and attitude are complete.



Technical Support: 1-888-360-3343

To expedite your support call, please have part number (i.e.,10103), version number, and Date of Manufacture ready prior to calling support