

JUICE

PLATINUM

ATTITUDE



Juice and Attitude Instructions

Ford 6.0 Powerstroke®



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Manual Version 110105

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.**

Thank you for purchasing the Edge *Juice* Module for the Ford 6.0 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.

The *Juice* Module is a high performance product

**It is strongly recommended that EGT gauges and boost gauges
be installed with the use of this product.**

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 Module Installation Instructions

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

Supplied Items:

1. Edge Juice Module
2. Harness Cable (attached)
3. Wire Ties

Needed Items:

1. 8mm wrench to disconnect battery terminals
2. Phillips screw driver

Harness Connector – Your Juice module may be equipped with a harness that can be disconnected at the

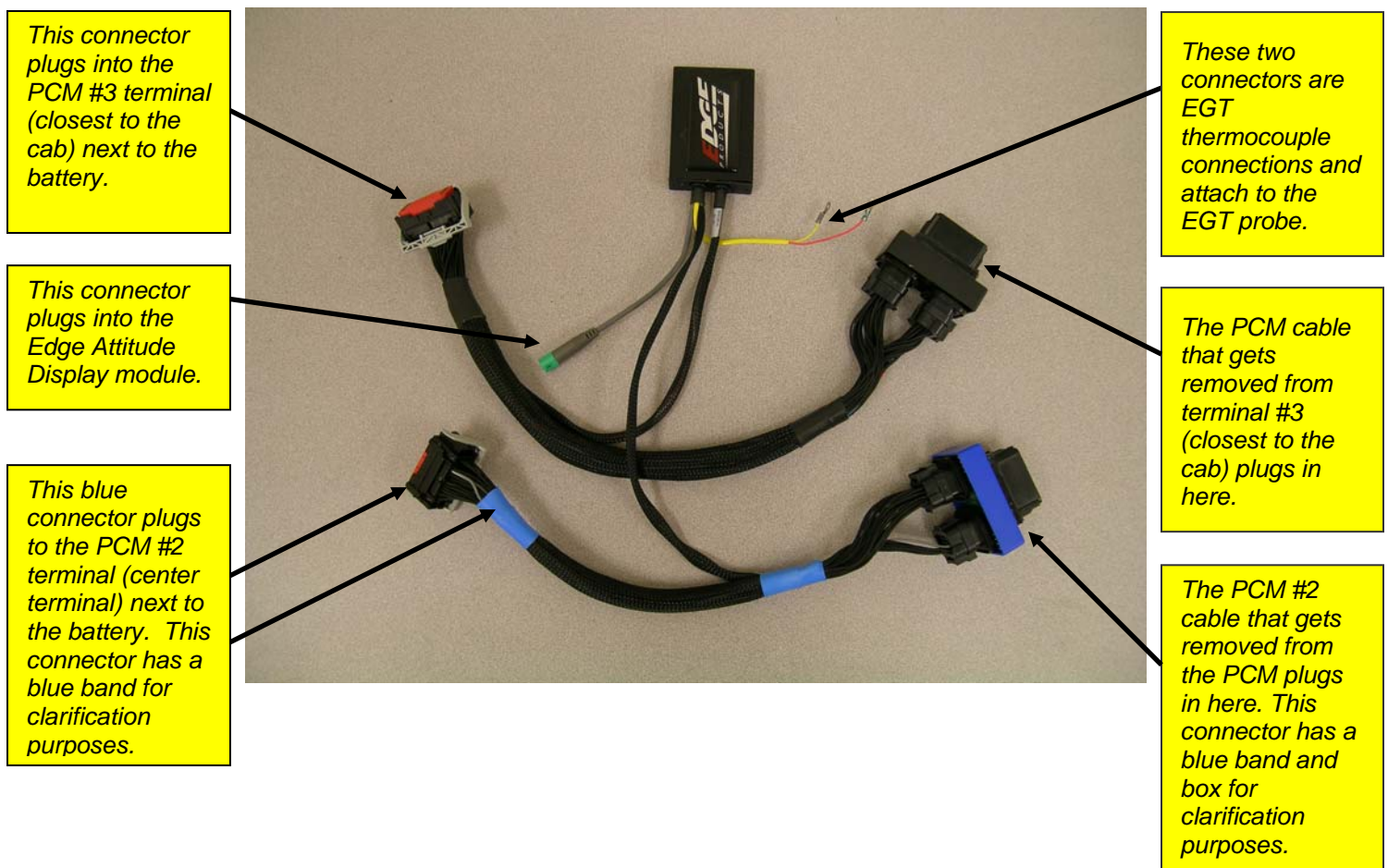
Juice module itself (See figure 1A). It is important to make sure that your juice module is always connected to the harness when the wiring harness is connected to the truck, otherwise the truck may not run properly, or may trip engine “codes.”



FIGURE 1A

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.



Important Compatibility Note:

The Ford Juice Platinum module (part # EJF2305) will not operate unless used in conjunction with the Edge Attitude monitor (part # EAF2305) or the Edge A2 (part # EA25000). If you do not own either of these parts, please contact your Edge dealer to purchase one now. If you have any questions, please contact Edge Products customer service at 1-888-360-EDGE.

Module Connection Location

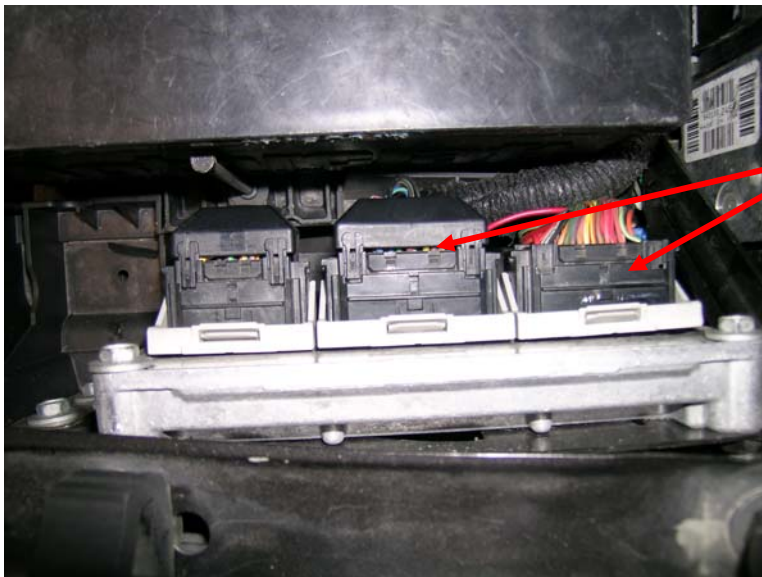
This picture shows the location where the module will be installed.

The Edge Juice Module can rest to the side of the power steering fluid reservoir located on the driver's side fender.



Harness Connection

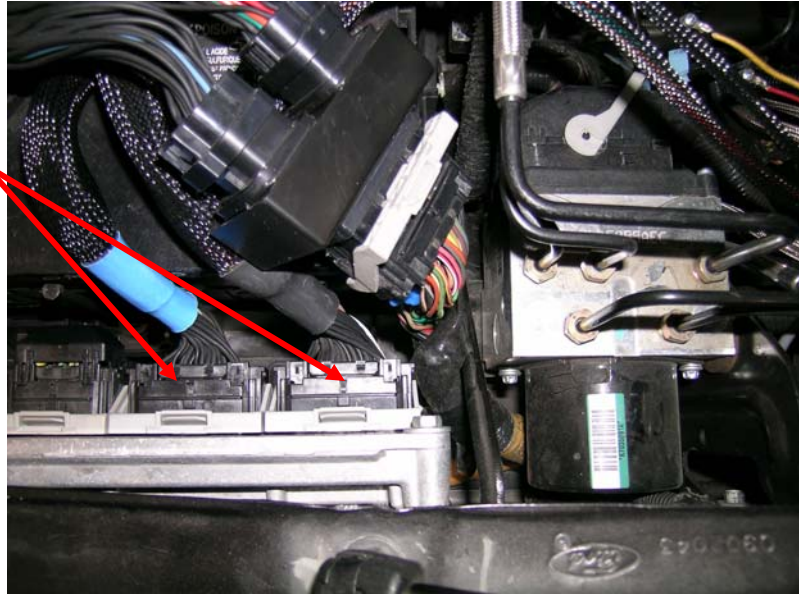
1. On the driver's side of the engine compartment, remove the battery cables (positive first) using an 8 mm wrench. Disconnect the cables on the driver's side battery ONLY.
2. Remove the battery cover by releasing the tab located on the left side (towards the front of the vehicle) of the battery cover. You may need to use a screwdriver to pry the tab.
3. Disconnect the 2 connectors closest to the cab and gently pull them up so you can access them.



Remove the two PCM connectors closest to the cab of the truck. This is where the Juice gets connected.

4. Connect the two matching connectors attached to the Juice module into the terminals where you removed the vehicle's cables in step 3. Make sure the connector with the blue band gets connected in the middle terminal, and the connector with the black band gets connected in the terminal closest to the cab.

*Insert the Juice connectors into the PCM, making sure the cable wrapped in a **blue** band is connected into the middle terminal.*



5. Insert the stock connectors (that you disconnected from the PCM) to the Juice harness and lock in place with the gray levers. Make sure that the connector you disconnected from the *middle* terminal gets connected to the blue harness (the wire terminal with the blue band and blue connector box) and the connector from the terminal closest to the cab gets connected to the black harness.

Note: The wiring harness was designed to allow you to route the cable around the front of the battery—thus allowing you to install your battery cover. This is time consuming and a bit of a challenge, so most installers leave the battery cover off after installation.

6. Using the supplied Velcro, place the Juice module on a flat surface away from moving engine parts (i.e., fuse box).



7. Replace the battery cables and battery cover.

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

Final Inspection

8. Recheck all connections for a properly secure installation.
9. Using the supplied wire ties, secure the wiring harness from possible damage from moving parts under the hood.
10. 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 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. When the Juice Platinum is installed, the harness that supplies 12V to the PCM must be disconnected. 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 Platinum, 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.

The Attitude monitor has three settings allowing you to control how the transmission re-learns. To ensure that the transmission learns correctly, the Firm Shift and TCC lockup options on the Juice Platinum are disabled during the learning process. **WHEN CHANGING FROM ONE SETTING TO THE NEXT, YOU WILL NEED TO TURN THE IGNITION KEY OFF AND THEN BACK ON FOR THE CHANGE TO TAKE EFFECT.** The following options are available:

Scheduled Learning

This default setting allows the transmission to adapt shifts until the transmission fluid temperature is above 110° F, plus five minutes. When the module is in the default setting, Firm Shifts and TCC lockup are disabled. As soon as the above conditions are met, Firm Shifts and TCC lockup will be activated. It is recommended to use this setting daily.

Learn Now

After installing the Juice Platinum, some transmissions will require a longer learning period than is allotted in the Scheduled Learning setting. If the transmission fails to adapt, or seems to shift poorly (sometimes known as a shift “flare” or a long shift between any gear), use the Learn Now setting. This will disable Firm Shifts and TCC lockup and allow the transmission to adapt to the additional power provided from the Platinum module. Once you feel that the transmission has adapted to the Platinum module, select the Scheduled Learning setting.

Learn Mode Off

If Firm Shifts and TCC Lockup are desired all the time, select this option. Keep in mind that this may interfere with the transmissions ability to adapt to transmission wear or other drivability issues. If you notice over time that transmission shifting deteriorates, select the Scheduled Learning, or Learn Now option to allow the transmission to update its process.

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:

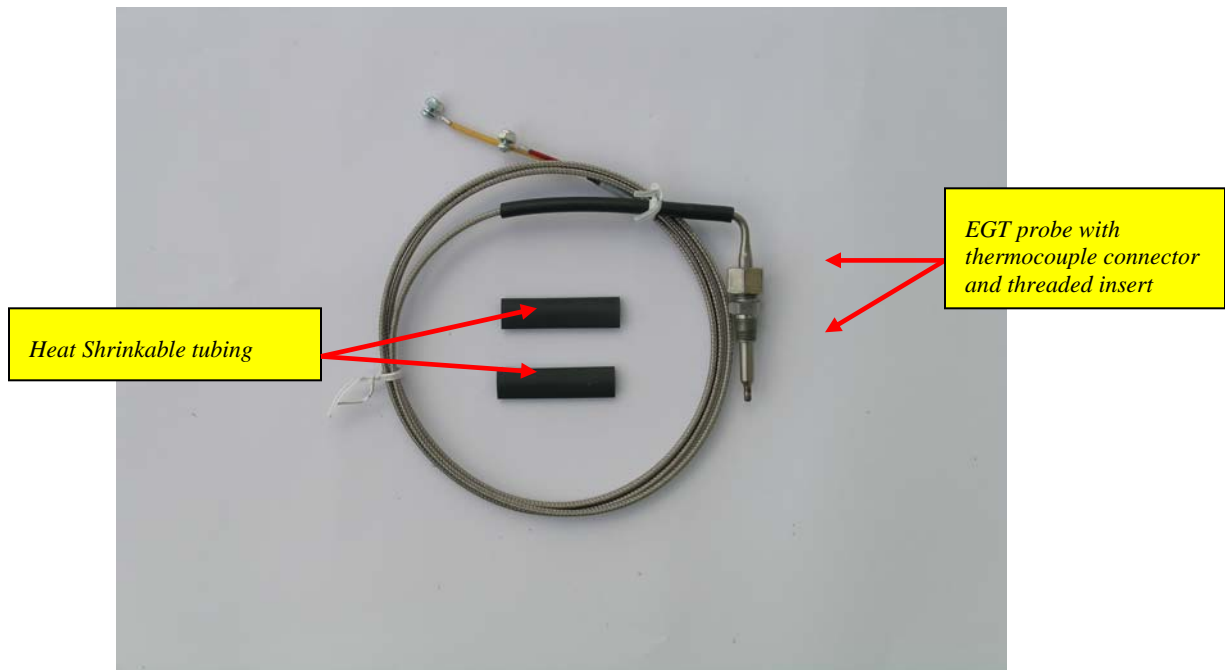
- Boost
- EGT (exhaust gas temperature)
- Barometric PSI
- Battery Volts
- Speed MPH
- Engine Coolant Temp
- Engine Oil Temp
- ¹Gear (torque converter lock)
- Intake Air Temp
- Load %
- Run Time
- ²Slip %
- Transmission Temp
- Throttle %
- Turbo Boost PSI
- RPM
- Percent back down due to high EGT

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

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

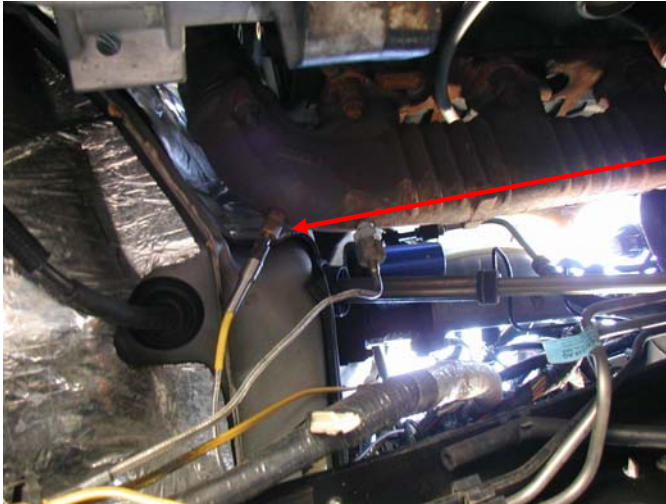
² Slip is measured across the Torque Converter and is only available when the Torque Converter is locked.

Installing the EGT Thermocouple



1. To install the EGT probe, first determine where you will drill the hole. The section of the exhaust manifold that requires tapping is located on the driver's side just above the driveline. (See picture below for suggested location. This photo shows the underside of the truck looking *up*.)

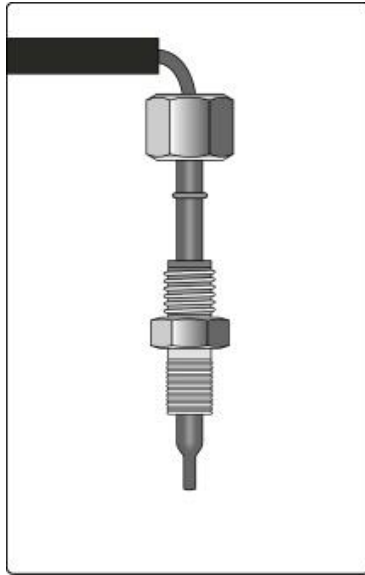
TIP: One effective way to avoid metal fragment contamination in your engine is to place grease in the threads of your drill bit/tap tool when drilling/tapping the hole in your manifold.



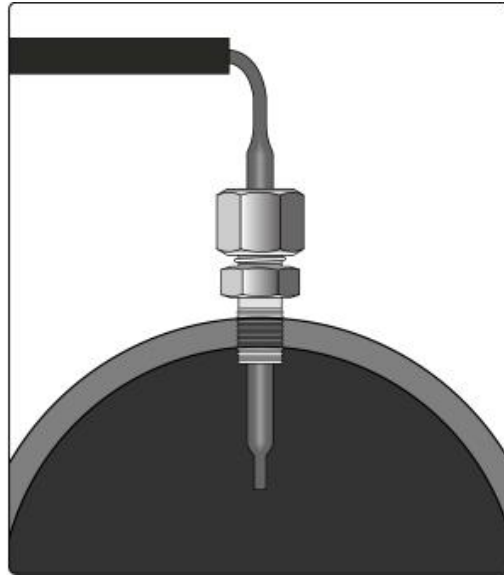
The EGT thermocouple installed into the drilled and tapped exhaust manifold.

*(Looking **up** at the exhaust manifold from under the vehicle.)*

2. Drill a 5/16" hole, then use the pipe tap to cut the threads. Use a 1/8" National Pipe Tap (NPT tap, available at your hardware store), follow the instructions with the tap. The pipe tap is tapered, so you only want to turn the tap until the bottom threads of the tap are slightly deeper than flush with the inside of the exhaust manifold wall. Use caution not to tap too far since the fitting will have to be screwed in very deeply.
3. Now that you have drilled and tapped the manifold, install the fitting by tightening the tapered thread end into the manifold. Ideally the tip of the fitting would be flush with the inside of the exhaust flow path, and not much deeper. Tighten the fitting so that it is securely mounted. To install the probe in the fitting, slide the probe into the fitting so that the tip is approximately centered in the exhaust gas stream. Tighten the top nut of the fitting just tight enough to keep the probe firmly mounted.



EGT probe



EGT probe inserted into exhaust manifold.

Getting Connected

The Attitude monitor connects under the hood to the Edge *Juice* module. Follow these steps to install the Attitude:

1. Place the Attitude monitor on the dash of your vehicle approximately where you want it installed and, with the driver's door open, feed the cable through the open door, and into the engine compartment via the slot near the hood hinge.
2. Determine where you want to attach the *Attitude* mounting bracket and insert it into your dashboard. The bracket fits well in the seam of the dash board by separating the seam slightly and sliding in the bottom portion of the bracket until it snaps into place (*see figure 1*). The following pictures demonstrate how to best mount the Attitude with the new bracket.



Figure 1

The bracket fits well in the seam of the dash board by separating the seam slightly and sliding in the bottom portion of the bracket until it snaps into place.



Figure 2

After the bracket is mounted, use the supplied two-sided tape to secure the Attitude to the bracket.

3. 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.



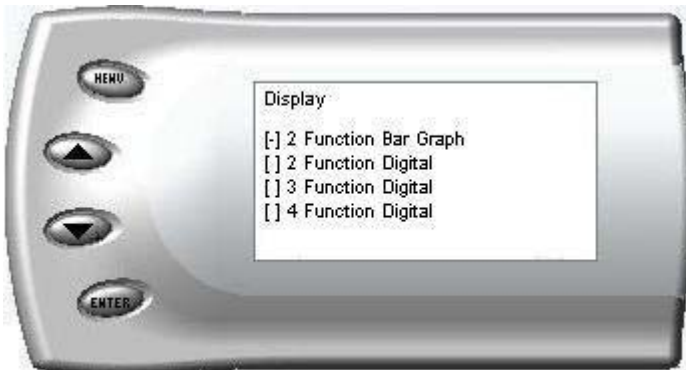
Changing the Display View

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:

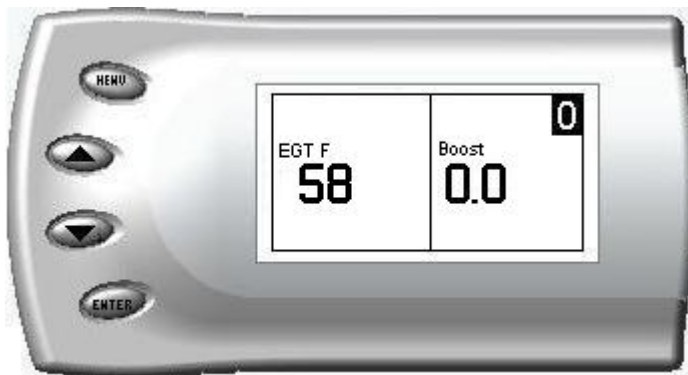


3. Select the desired viewing option by using the up and down arrows and pressing the [Enter] key. Below are examples of the display options:

Two Function Bar Graph Display Sample



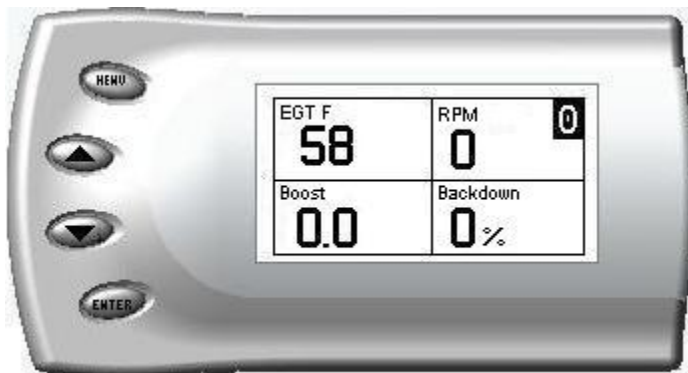
Two Function Digital Display Sample



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:

- Boost
- EGT (exhaust gas temperature)
- Barometric PSI
- Battery Volts
- Speed MPH
- Engine Coolant Temp
- Engine Oil Temp
- Gear (TCC Lock)
- Intake Air Temp
- Load %
- Run Time
- Slip %
- Transmission Temp
- Throttle %
- Turbo Boost PSI
- RPM
- Percent back down due to high EGT

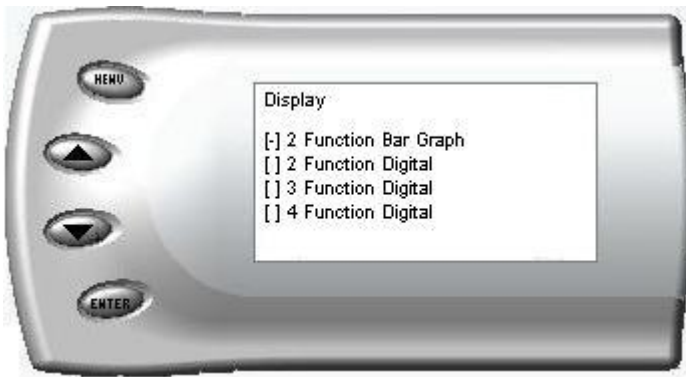
Display

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

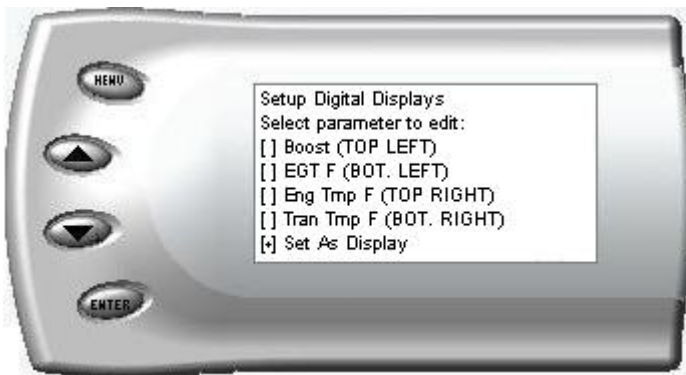
1. When viewing the main screen of variables, press the [Menu] button. The following screen appears:



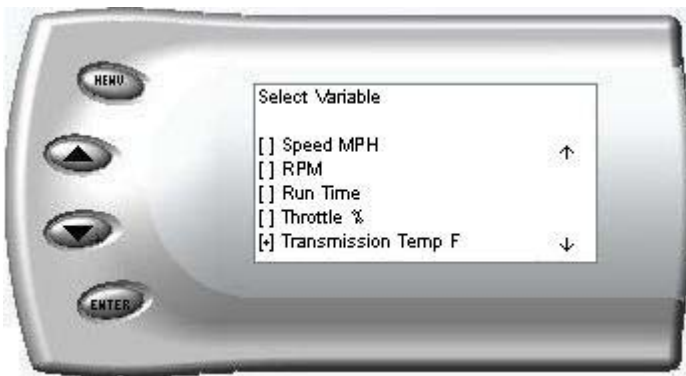
2. Select the Display option and press [Enter]. The following screen appears:



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:



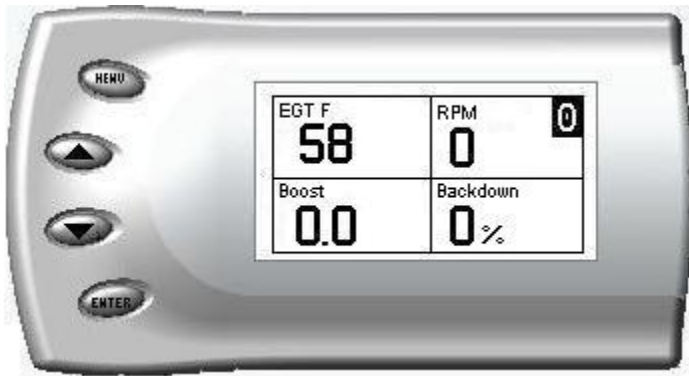
4. This screen lists the current variables you have selected to view and their respective positions on the screen (i.e., TOP LEFT, etc.). Select the variable you would like to change and press [Enter]. A screen listing the possible replacement variables similar to the following appears:



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.

Adjusting the Backlight

When viewing engine parameters (like the sample below) press the [Enter] button to adjust the backlight. Each time the [Enter] button is pressed, the backlight will change to either bright, dim, or off.



Juice Configuration

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:

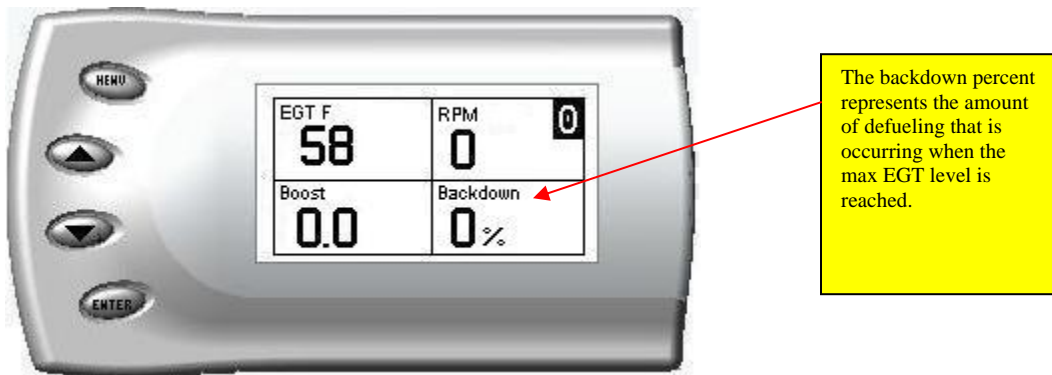
Juice Configuration

- Max EGT Set Point
- Max Boost Set Point
- Low Boost Fueling Adjust
- Transmission Control
- Turbo Cool Down Setup
- Speed Limiter Remover
- Cold Engine Protection
- Tire Size
- Axle Ratio
- Reset User Warning

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:

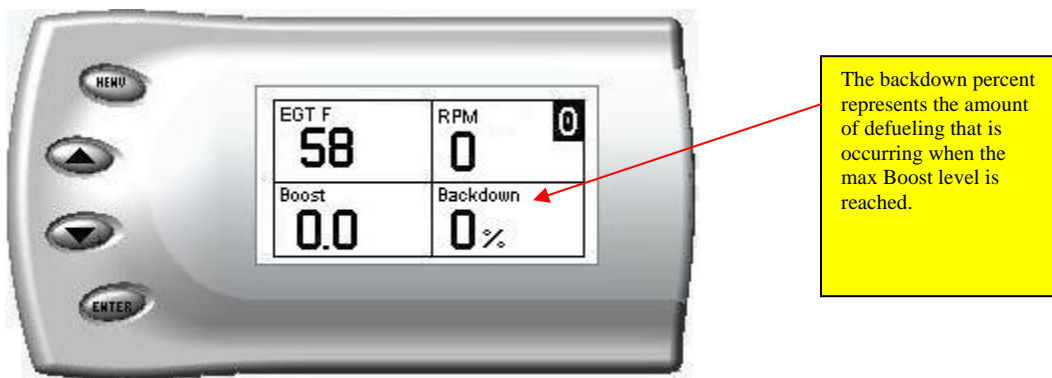


2. Change the Max EGT set point by pressing the up and down arrow keys to select the maximum temperature that you want the exhaust gas temperature to reach, then pressing [Enter]. When the exhaust gas temperature reaches this value, the power delivery will be retarded so as not to allow the temperature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

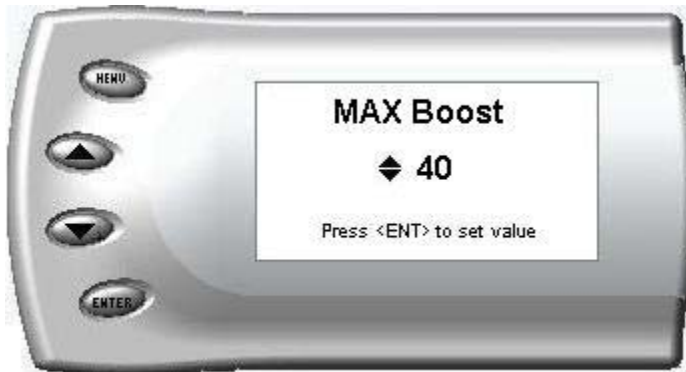
Max Boost Set Point

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:



3. 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.

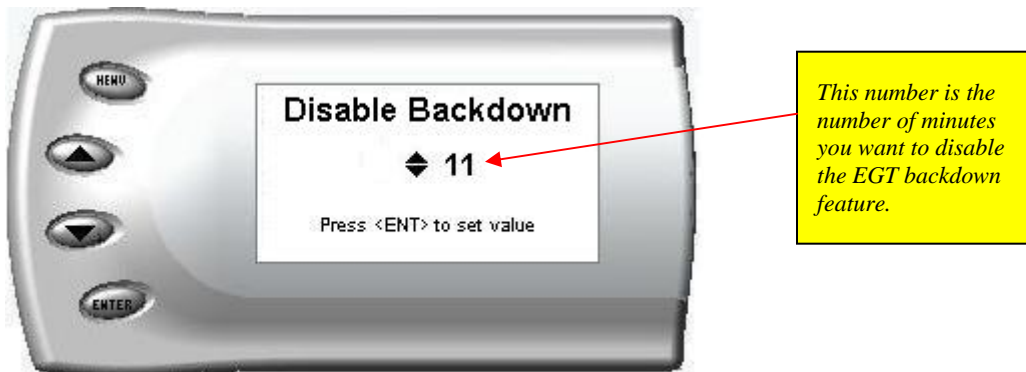
Disabling Backdown at Set EGT

There are times you may want to disable the EGT 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 1-30 minutes.

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

To remove the option that backs down the power at a set EGT point, perform the following steps:

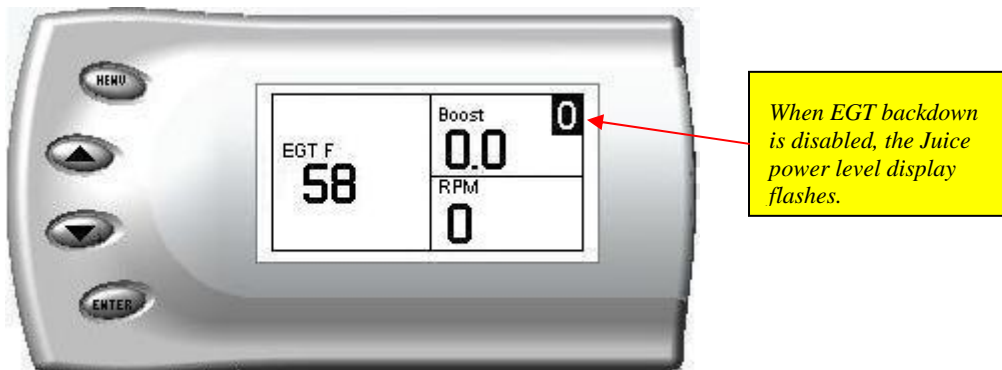
1. Make sure the Attitude is set to view the EGT level as one of the engine parameters.
2. When you are viewing EGT as one of the engine parameters, press [Enter] twice quickly and the following screen will appear:



3. The number on this screen represents the number of minutes the EGT 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. (The number of minutes you do NOT want your power decreased because of high EGT levels.)

Note: *Selecting this option automatically sets your Juice module to level 5.*

4. After you have selected the number of minutes you would like the EGT backdown option disabled, press [Enter]. The screen will return to your previous view mode, and the Juice power level indicator will flash until the designated time for disabling has been reached. When the Juice power level indicator quits flashing, your set max EGT backdown level will go into effect.

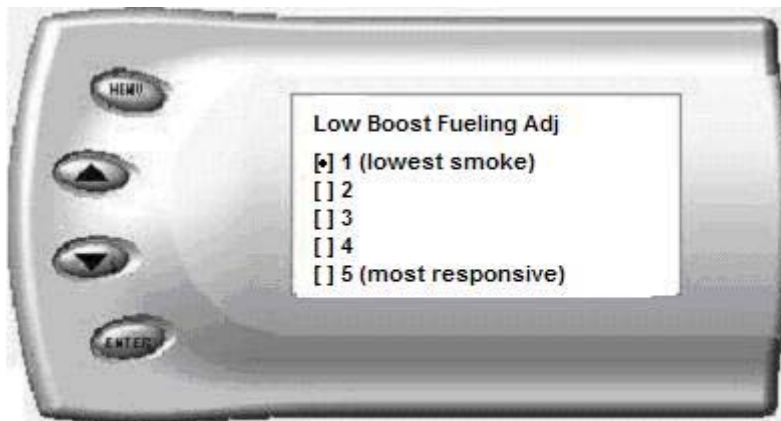


Low Boost Fueling Adjustment

After selecting the *Low Boost Fueling Adj* option from the *Juice* Configuration screen (previous steps), the following screen appears:



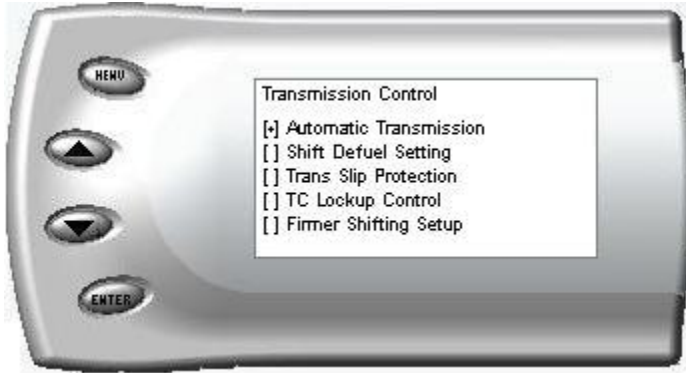
Select the power level for which you want to adjust the low boost fueling and press Enter. When you press Enter, the following screen appears allowing you to select the Low Boost Fueling Adjustment level that will be unique to that level and every time you select that power level the fueling adjustment will be set to what you chose on this screen.



Adjusting the fuel at low boost allows you to adjust the response and smoke output before the turbocharger builds boost pressure in the intake. Select level 1 for the lowest level of response and smoke at low boost, and select level 5 for the highest level. You will see a significant change in vehicle response and smoke depending upon which level you select. To leave this screen, press the [Menu] button multiple times.

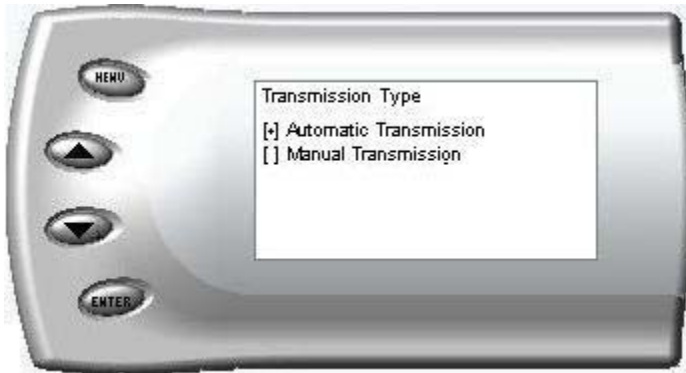
Transmission Control

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



Automatic/Manual Transmission Setting

Use this option to select whether your vehicle has an automatic or manual transmission. If you select the Manual transmission setting, the options below do not appear.



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.



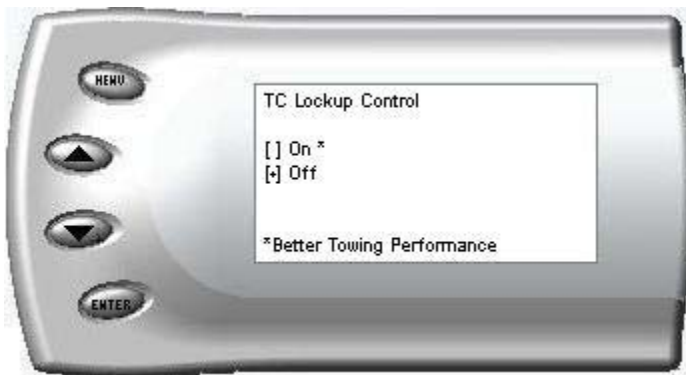
Transmission Slip Protection

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.



Torque Converter Lockup Control

If TC lockup control is on and the truck is in tow-haul mode, the torque converter will lock in 3rd, 4th and 5th gears under pre-determined driving conditions.



Firmer Shifting Setup

This feature controls the firmness of each shift as well as decreases the time each shift takes to complete and increases clutch line pressures. If “On” is selected, only the 3rd to 4th shift will be a firm shift under heavy acceleration.



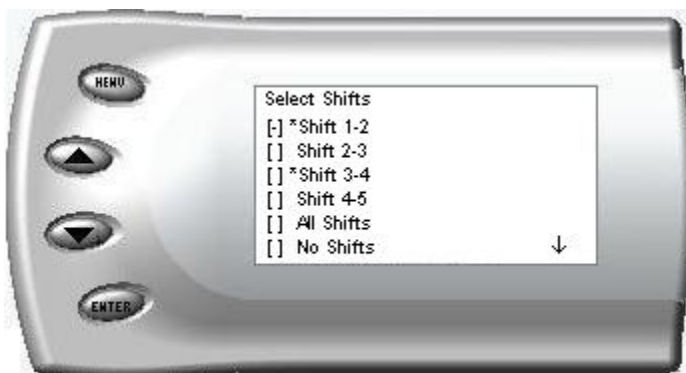
Advanced

Allows you to pick which and under what driving conditions the shift will be firm.



Select Shifts

Select which shifts will be firm:



Note: The suggested default setting is “Shift 3-4”.

Enable Firm Shifts

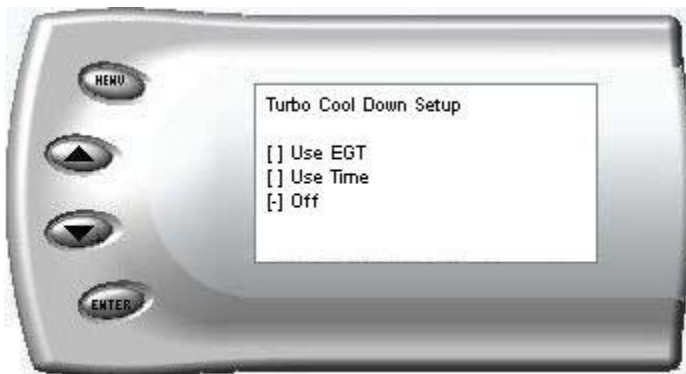
Load percent determines when firm shift will be enabled. For example if load above 90% were enabled, firm shifting would not occur until the load is above 90%



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 feature will set trouble codes. (Your truck thinks something is wrong when you turn off the key and the motor keeps running.) To prevent your check engine light from coming on as a result of these trouble codes, use the “Clear DTCs on Power Up” feature. **IMPORTANT:** This feature will likely prevent ANY trouble codes from appearing, which could be dangerous.*

Speed Limiter Remover

The speed limiter remover allows truck speeds above 95 miles per hour. (This feature is designed for off-road use only)

From the Juice Configuration menu, select Speed Limiter Remover option. The following screen appears:



Do not use the cruise control if you have removed the speed limiter!



Cold Engine Protection

The Cold Engine Protection prevents the Juice module from adding additional fuel until after the engine reaches normal operating temperature. Power delivery starts coming on at 140 degrees F and max power is reached at 170 degrees F.



Tire Size

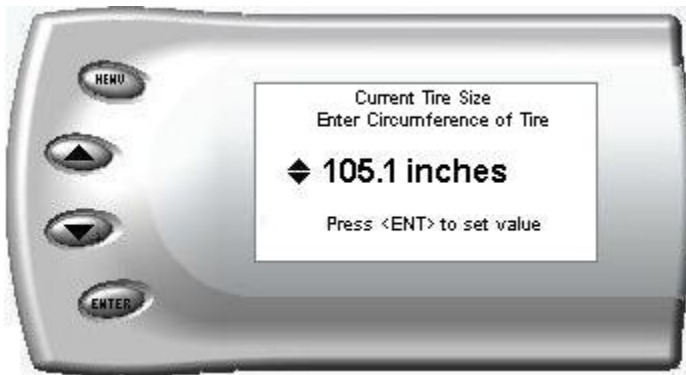
Ford has offered a variety of different stock tire sizes in the model years for which this product was designed. Please enter the circumference of tires installed on your truck so the Edge Attitude can correctly calculate the true MPH and torque converter lock up points.

An accurate method of measuring the circumference of your tire(s) would be to mark a point on the outside edge of your tire. Start with the mark located next to the pavement (and mark the pavement where the rubber meets the road), roll the tire three revolutions stopping with the mark on the pavement. Measure between the first mark on the pavement and where the tire mark ends after the third revolution. Divide the distance by three and enter the value.

Enter the STOCK tire size for your vehicle.



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



(If the tires currently on your truck are different than stock, measure the circumference and enter the value here).

Dealer Speedometer calibration



Axle Ratio

Enter axle ratio. Used to calculate torque converter lock-up points.



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.

A feature has been added that will allow automatic trouble code clearing on power up which can be enabled by selecting the option from the menu.

Note: The Turbo Timer feature will set trouble codes. (Your truck thinks something is wrong when you turn off the key and the motor keeps running.) To prevent your check engine light from coming on as a result of these trouble codes, use the “Clear DTCs on Power Up” feature. IMPORTANT: This feature will likely prevent ANY trouble codes from appearing, which could be dangerous.



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

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 1250] 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 30] 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 *EngTmp Alert* option and press [Enter]. The following screen appears:
- 8.



9. 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.
10. To change the Transmission Temperature Alert value [default is 230] scroll to the *TranTemp Alert* option and press [Enter]. The following screen appears:



11. 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.
12. To change the Speed Alert value [default is 75] scroll to the *Speed Alert* option and press [Enter]. The following screen appears:



13. 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
- Backdown
- 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].

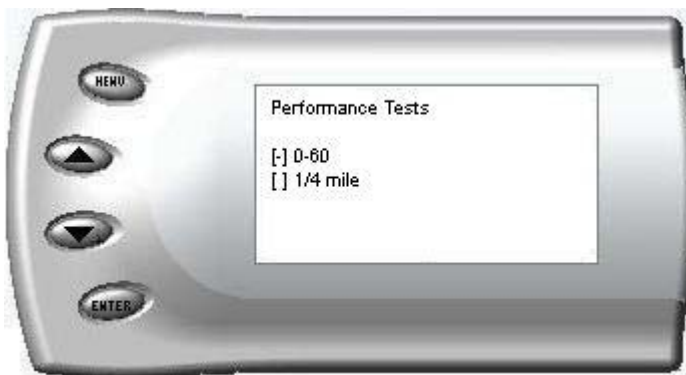
Performance Tests

The *Attitude* allows you to test the performance of your vehicle by timing the 0-60 and the 1/4 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, the following screen automatically appears:

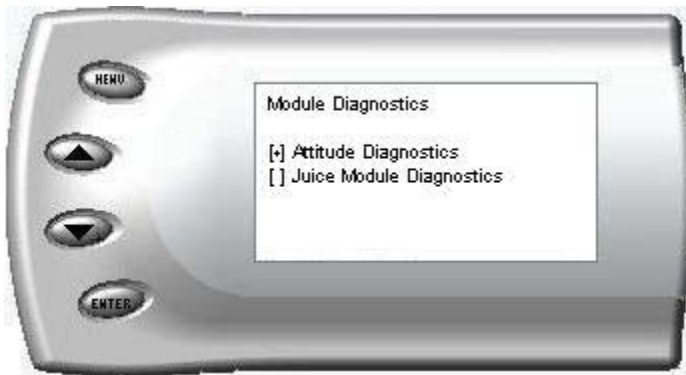


5. When you press the accelerator pedal, the screen returns to the display mode and automatically begins the performance test. During testing, a “T” appears in the upper right corner of the screen indicating that testing is in process. When the test is complete (the desired distance or speed is reached) the test will automatically stop and your time will be displayed on the screen like the following (quarter mile result example):



Module Diagnostics

Follow the instructions on screen to use Juice and Attitude diagnostics

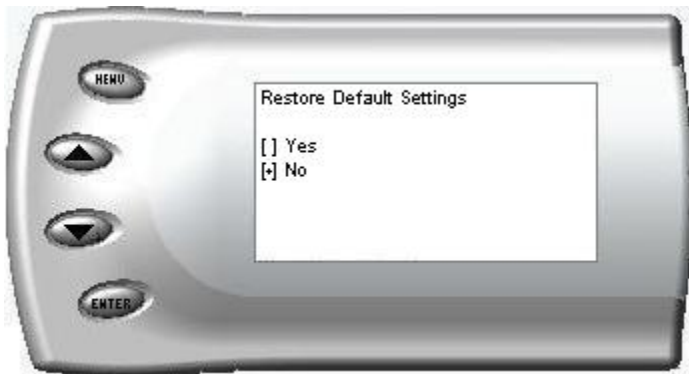


Module Information



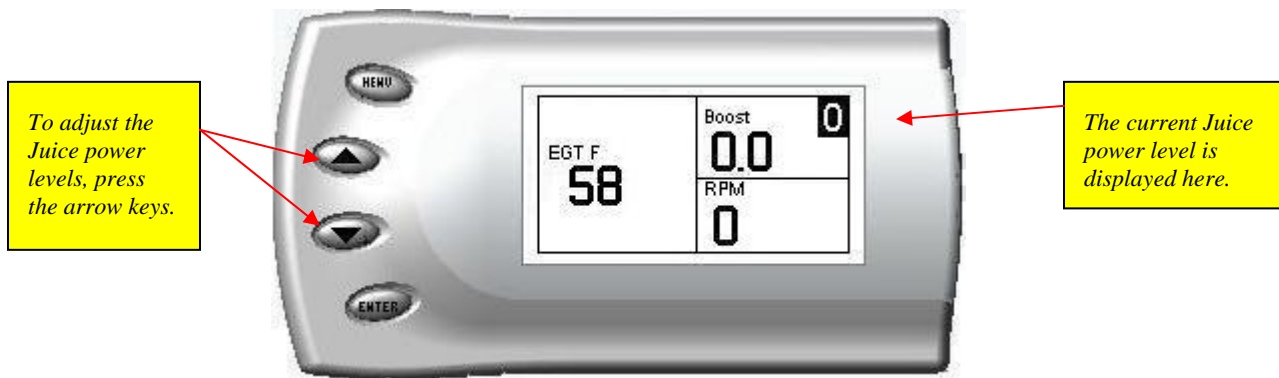
Restore Default Settings

This feature sets the Attitude settings back to factory settings



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.



NOTE: The 3 stage power switch on the Juice module is disabled when the Attitude monitor is installed. (The switch does not have to be set at a certain power level when the Attitude module is installed.) Power levels must be adjusted using the Attitude module.

Power Gains

The following power gains are representative of an actual test vehicle. Power gains may vary somewhat on a different vehicle or in different geographic settings.

	Horsepower	Torque
Level 0:	0	0
Level 1:	40 HP	80
Level 2:	60 HP	120
Level 3:	80 HP	160
Level 4:	100 HP	200
Level 5:	115 HP	250

Index

0-60.....	39	<i>Low Boost Fueling Adjustment</i>	24
¼ mile.....	39	Max EGT set point.....	21, 22
adjusting power levels.....	43	<i>Max EGT Set Point</i>	20, 21
Alerts	35	maximum boost set point.....	22
<i>Axle Ratio</i>	32	Maximum Records	38
backlight	19	Module Diagnostics	41
Bar Graph	15	Module Information	42
boost	22	mounting the attitude	13
Boost alert	36	performance tests	39
cable connections	13	quarter mile time	39
changing variables.....	17	Records.....	38
<i>Clear Data Trouble Codes</i>	33	Restore Default Settings	42
Clearing records	38	<i>Retrieve Data Trouble Codes</i>	33
Cold Engine Protection	31	<i>Select Shifts</i>	27
cruise control	30	<i>Setup</i>	15
current tire size	32	<i>Shift Defuel Setting</i>	25
<i>Data Trouble Codes</i>	33	shift point defueling option.....	25
defueling at shift points.....	25	<i>Shifting</i>	27
Digital Display	16	Speed Alert.....	37
dim.....	19	Speed Limiter Remover	30
disabling EGT backdown.....	23	Storing records	38
Disclaimer	2	torque converter	31
EGT alert	36	<i>Torque Converter Lockup Control</i>	26
EGT backdown disable	23	Torque gains.....	43
Engine Temperature Alert.....	36	<i>Transmission Control</i> option	25
<i>Firmer Shifting Setup</i>	27	<i>Transmission Slip Protection</i>	26
getting connected	13	Transmission Temperature Alert	37
Graphs	15	Turbo Cool Down Setup	28
Horsepower gains.....	43	zero to sixty	39
Juice Configurations	20		
juice power level	43		

Technical Support: (801) 476-3343

To expedite your support call, please have part number (i.e., EAF2100A), version number, and Date of Manufacture ready prior to calling support.