



**1994-2003 Ford F-Series Power Stroke 7.3L**

*Edge Evolution Programmer*

*Installation Instructions & Manual*

**P/N: 15000**



**READ IMPORTANT SAFETY INFORMATION IN THIS MANUAL**



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## IMPORTANT SAFETY INFORMATION

### SAFETY TERMS

Throughout this User Guide (hereafter referred to as User Manual or Manual) you will see important messages regarding your safety or the protection of your vehicle. These messages will be designated by the words WARNING or CAUTION.



indicates a condition that may cause serious injury or death to you, your passengers or others nearby. Pay careful attention to these Warning messages, and always comply with them. They could save a life.

**CAUTION** indicates a condition that could cause damage to your vehicle. It is important to install and operate your EDGE product in conformance with instructions in this Manual. Caution messages alert you to particularly important things to watch for to keep your vehicle operating the way you want it to.

The Edge product you have bought is a high-performance product. As such, it does present some risks of which you should be fully aware. Do not use this product until you have carefully read all the following safety information and the Owner Agreement.



**Misapplication or misuse of this product could lead to a serious or fatal accident. Comply with all safety information below, and in your vehicle owner's manual. Follow safety, installation and operating instructions in this User**

### SAFETY GUIDELINES

1. Do not exceed legal speed limits on public roadways. Use any enhanced speed capabilities of this product only in closed circuit, legally sanctioned racing environments expressly for this purpose. Loss of control from speeding on a public road could seriously injure you, your passengers, or others on the roadway.
2. Select a position on the windshield or dashboard to mount the device where it will not impair your view. You must be able to see the road, traffic, and pedestrians without interference. Be sure your mounting location meets state and local laws regarding placement of devices on the windshield or dashboard.
3. Do not operate the device while driving. Perform all adjustments or changes while stopped. Changing a setting while under way can interfere with your attention to roadway conditions.
4. "Stacking" performance-enhancing devices or other improper installation could cause powertrain failure on the road. Other products may have features incompatible with your Edge device. Follow all installation and operating instructions, and don't stack products.
5. Some modifications may affect other parts of your vehicle. For example, if you remove/adjust the speed limiter in your vehicle, be sure your tires and other components are rated for the increased speeds they will have to withstand. Not doing so can lead to loss of vehicle control. Modify the speed limiter only for use in closed circuit, legally sanctioned racing environments, not for use on public roadways.
6. Do not use the Performance Tests feature to break any traffic laws. Perform these tests only where they are legal and safe.

7. Some features may not function on all vehicle models. Check a newly-installed device for all features you intend to use. Do not rely on their working without checking first.

**NOTE:** *Dispose of this product consistent with local codes. Return to your electronics supplier for proper handling.*

## PRODUCT REGISTRATION

Please take the time to register your product. To register your product, follow the instructions at this link. [http://www.edgeproducts.com/product\\_registration.php](http://www.edgeproducts.com/product_registration.php)

### Benefits of product registration:

- **Your Safety** – registering your product allows us to know exactly which product you have and provide important product updates to you that improve the quality and/or safety of the product
- **Enhanced Features** – almost all Edge products are easily updated via the internet. We are constantly adding new features and improvements to our product that we know you will want to enjoy
- **Confirmation of Ownership** – provides a record in case of product loss, theft, or required warranty work. When you call us for support our team will already have much of the information they need to help you!
- **Improved Product Development** – helps us better understand you (our customers) and design products that meet your needs
- **Special Offers** – allows us to inform you about special offers on accessories and/or new products that fit your vehicle and enhance your driving experience
- **AND...**
- **Extended Warranty Plan Opportunity** – within the first 90 days of ownership, Edge offers the option to buy a 1-year warranty extension to all customers who register their product!

**All Edge modules and programmers are built to operate with OEM calibrations. When you take your vehicle to a service center they may, by your request or otherwise, update your vehicles calibrations. Therefore it is important that you return your vehicle to stock before taking it in for service. Edge updates its active products (i.e. those currently being manufactured) to work effectively with updated OEM calibrations. However, this process can take some time as Edge is not always made aware of calibration changes made by the OEM. In the case of discontinued products, Edge cannot ensure that your unit will work effectively if you take your vehicle to a dealership and you are given, by your request or otherwise, a new calibration.**

**If you have used another tuner/programmer on your vehicle, you will need to program back to stock and remove the device before using the Edge Products Device.**

***Failure to return to stock may result in PCM failure or engine damage.***

**Caution: The Evolution employs carefully modified strategies that are designed to be utilized on unmodified (stock) vehicles only.**

**Many aftermarket components such as cold air intake (CAI) kits, exhaust systems, and throttle body spacers as well as forced induction systems (turbochargers, superchargers, nitrous oxide, etc) alter the calculated airflow characteristics of the engine. In addition, mechanical modifications to the engine such as displacement changes, camshaft modification, and cylinder head modification may alter calculated airflow characteristics.**

**Using any of these modifications (either alone or in any combination) in conjunction with the Evolution is NOT RECOMMENDED as it may cause an excessively lean condition which could result in engine damage.**

**Edge Products will not be responsible for any damages caused by using the Evolution on a vehicle that has been modified from a stock configuration.**

**Programming your vehicle may expose existing defects in your vehicle's PCM that could disable your vehicle. It is advised that you do not program your vehicle in remote locations in case of vehicle failure.**

## ***About the Evolution***

**IMPORTANT:** *Read all Safety, Warranty, and Installation Instructions before installing this product. Read through these instructions completely so that you understand each step prior to installation.*

Congratulations on purchasing the Evolution by Edge Products, the leader in diesel electronics and power gain technology. The following manual contains information and instructions on the proper use of the Evolution. Please read carefully before proceeding to program your vehicle.

**Note:** *At the back of this manual, we have included commonly used acronyms. This should help while using the Evolution.*

### **Stock Program**

The *Evolution* automatically makes a backup of your stock program from your PCM before writing a new program onto your PCM. This assures that you will have the stock program if/when you desire to reprogram your vehicle to its original stock program.

We recommended that you return your vehicle's computer to the stock program prior to returning your vehicle to a service center. This will eliminate the possibility of interfering with any diagnostic equipment.

## **Tow Program**



### **WARNING**

*Do not exceed your vehicle's max GVWR as outlined in the vehicle's owner's manual. Doing so may result in loss of vehicle control and cause bodily injury.*

This setting is the lowest power setting. It is designed to provide a significant increase in horsepower and torque while still being safe enough to use for towing. While it isn't necessary, a modified exhaust system will help improve overall performance and help reduce your EGT (exhaust gas temperature) levels.

## **Race Program**

If you plan to tow with this program, we strongly recommended that you make appropriate modifications to your exhaust system and install an EGT (exhaust gas temperature) gauge to aid in the prevention of potential damage to your engine.

**Note:** *This setting is legal in California only for racing vehicles which may never be used upon a highway. For more information, consult a qualified diesel mechanic.*


## **Extreme Program**

This program is **not** designed for towing. If you plan to tow, program your vehicle to the Tow program. We strongly recommended that you make appropriate modifications to your exhaust system and install an EGT (exhaust gas temperature) gauge to aid in the prevention of damage to your engine. This setting is legal in California only for racing vehicles which may never be used upon a highway. For more information, consult a qualified diesel mechanic.

## **Power Gains**

The following power gains are representative of an actual test vehicle in factory stock configuration. Power gains may vary from vehicle to vehicle depending on model year, engine condition, fuel quality or geographic location. In addition, modifications to the engine, turbocharger and/or fuel delivery system may significantly affect power output.

Power Level	Horsepower Gains	Torque Gains
Level 1 (Tow)	60	100
Level 2 (Race)	80	140
Level 3 (Extreme)	100	200


 **WARNING** Do not combine, or “stack” chips (modules) to gain more horsepower. The chips could be incompatible and result in powertrain failure or create dangerous conditions (such as adverse running conditions, high idle, DTC codes, etc.) leading to a serious or fatal accident.

## Features

### Diagnostics

The *Evolution* is also a powerful diagnostics tool. You can view any diagnostic trouble codes (DTCs) your vehicle may have, which in turn allows you to fix them. It will also allow you to turn off that annoying “Check Engine” light when the problem has been addressed (no more expensive trips to the dealer for a diagnostics scan).

### 0-60 and Quarter Mile time

 **WARNING** Do not use the Performance Tests feature to break any traffic laws. Perform these tests only where they are legal and safe.

Another feature often only found on the Edge Product monitors, is the ability to determine your quarter mile times as well as your 0-60 times.

## Display and Keypad

The following screen is a sample *Evolution* screen. Great effort has gone into making the *Evolution* programmer very simple to use. The arrow keys are used to scroll through options on the screen, and the <ENT> (enter) key is used to select desired options from a menu, or move to the next screen. The ESC (escape) key is used to return to the previous screen.



Use the arrow keys to scroll through and select options on the screen.

To select an option, scroll to the desired option with the arrow keys and press the <ENT> button. In the example below, Power Programming is selected.

Use the <ENT> key to accept a selected option, or to move to the next screen. Use the <ESC> key to return to the previous screen.



## Getting Started

This manual is designed to help you understand the process of programming your vehicle as well as performing simple diagnostics on your vehicle using the built-in scan tool. There are also convenient troubleshooting tips included in this manual.

If you experience problems using this product that are not covered in this manual, please contact our technical support line at (801) 476-3343. To handle your call quickly and efficiently, please have the product Part Number (ex. EEF1000, 15000), the current Version Number (ex. E1.24.15) and the Date of Manufacture ready prior to calling. This information is listed on the silver sticker attached to your Evolution programmer.

### **IMPORTANT STEPS (Prior to Programming):**

- Make sure your battery is fully charged before programming your vehicle.

- Do NOT unplug the *Evolution* while programming is in process. This could cause your vehicle to become disabled.
- Some types of radio equipment, electrical accessories, and cellular communications devices can interfere with the programming process. Either turn off or remove all devices from the vehicle.
- Close the doors on your vehicle and keep them closed during the programming process.
- Set the parking brake on your vehicle to deactivate the daytime running lights.
- Remove any other electronic power enhancing modules from your vehicle before programming. This includes aftermarket programmers and chips.

**CAUTION:** *ALWAYS Disconnect your Evolution while your truck is not in use. This Evolution does not turn itself off and uses the power from the truck's battery. Failure to unplug the Evolution is equal to leaving your dome light on and could drain your battery.*

## **Connecting the Evolution**

1. Turn the ignition switch to the OFF position. Locate the diagnostic connector under the dash near the steering column or under the glove compartment and connect the supplied *Evolution* cable to this connector.



After making the connection, the screen will first display the Edge Products logo and then the main startup displays:



The numbers in the upper left portion of the screen represent the version number of the *Evolution* programmer. The character in the upper right portion of the screen represents the current programmed state of your vehicle. The following letters may appear:

**I** – Programming was interrupted. (See Programming Interrupted section for more information)

**1** – Vehicle has been programmed to L1 - TOW.

**2** – Vehicle has been programmed to L2 - RACE.

**3** – Vehicle has been programmed to L3 - EXTREME.



2. Select your desired option by pressing the up or down keys on the left side of the programmer and press <ENT>. Continue to the next section.

## Power Programming

**Caution:** *Vehicle manufacturers do not recommend vehicle programming in extreme temperature. Please see the service manual of your vehicle to ensure that programming is being done in accordance to the original equipment manufacturers specifications.*

If you selected Diagnostics from the Main Menu, go to that section in this instruction manual and follow the steps.

If you selected Performance from the Main Menu, go to that section in this instruction manual and follow the steps.

If you selected Power Programming, the screen displays the following message:



1. After turning the key ON (do not start the engine) and pressing <ENT>, the screen displays the following message:



2. The *Evolution* will check the PCM and determine if it is in the Master Calibration list. If the calibration is available, you will see the following message:



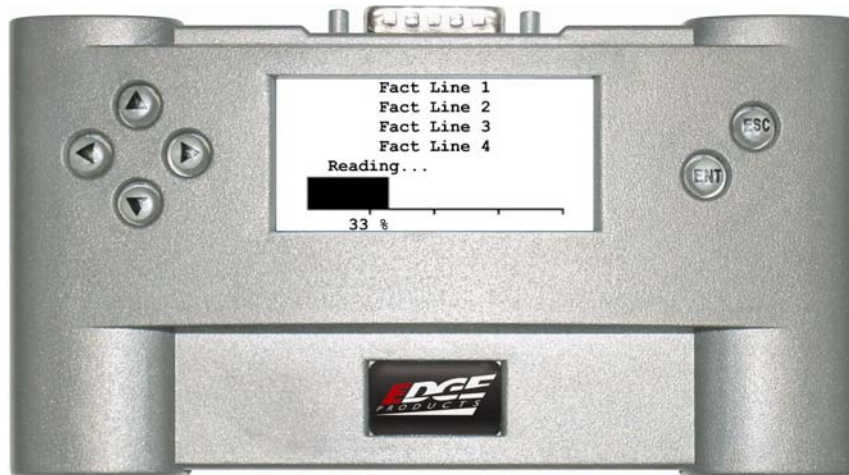
Otherwise you will see the following message (See Update Required for more information):



3. You will then be instructed to turn the key OFF, Press <ENT> and turn the key back to ON (do not start) to begin saving STOCK:



During the storing process, you will see the following display:



4. If this is the first time the unit is used on a particular vehicle, the *Evolution* will build and verify the modified calibrations (Skip to step 5 for subsequent programming operations). During this process, you will see the following displays:



And



5. Once storing is complete, you will see the following display:



Select your desired option by pressing the arrow keys and pressing <ENT>. Depending on your selection, you will see one of the following displays:

**TOW**



**RACE**



**EXTREME**





**STOCK** (This selection only appears after the first use)

6. Press <ENT> to continue or <ESC> to return the Choose a Program menu.
7. After pressing <ENT> to verify the calibration selection, the following screen appears:



**Please read and understand the Warnings on the display of the *Evolution* and the following warnings.**

**Speed Limiter warning**

**WARNING** *If you drive on public roads after removal or adjustment of the speed limiter, you must still obey all driving laws, including adhering to posted speed limits. To drive at racing speeds on public roads seriously endangers you, your passengers, and others nearby. Driving at high speeds with inadequate tires or other components can lead to serious or fatal injury.*

**CAUTION:** Removing/adjusting the speed limiter for purposes inconsistent with the product's intended function violates the product's intended use and will invalidate the product's warranty. Edge Products is not responsible for or liable for the consequences of improper product use.

## **Towing Warning**

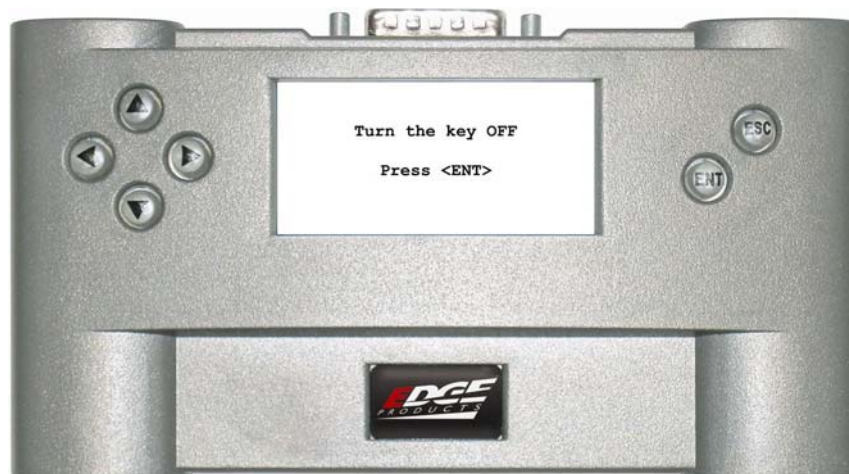


**WARNING** Do not exceed your vehicle's max GVWR as outlined in the vehicle's owner's manual. Doing so may result in loss of vehicle control and cause bodily injury.

8. After you as the customer display and read the warnings, the *Evolution* prepares to program the PCM. You will see the following display:



9. You are then instructed to turn the key OFF. Press <ENT> when ready:



10. The following display instructs to turn the key ON. Do not start the engine:



11. The *Evolution* begins programming the PCM. During this process, you will see the following display:



The programming process takes approximately 2 to 3 minutes to complete.

12. When the programming process is finished, the following screen appears:



13. After turning the key OFF, the following screen appears:



14. After pressing <ENT>, the *Evolution* tests the PCM for communications. If successful, a truck does a "Burnout" and the FINISHED screen appears:



Programming is now complete. You may now disconnect the *Evolution* from the Diagnostic Port:



**Update Required:**

It is possible that there may be a vehicle that is not currently in our database. (A result of a vehicle getting the latest file update from a dealer for example.) When this occurs, the message “Update Required” appears immediately after storing the Stock calibration. The following display shows an example:



If this should occur, please contact Edge Products for a return authorization number (RMA number) and return the unit to Edge Products. We will extract your original calibration from the unit, then reprogram the unit and return it to you at no charge.

## **Programming Interrupted:**

If at any time the programming should be interrupted for whatever reason, the *Evolution* should be able to completely recover the PCM. Simply reconnect the programming cable into the Diagnostic Port of the vehicle and restart the programming process. In order to simplify the recovery process, the *Evolution* will only program the original calibration and you will not be able to select any performance options. This is to ensure the complete, original calibration is returned to the PCM. Once recovery is complete, the *Evolution* function will return to normal.

## ***Diagnostics***

The diagnostics scanner built into your *Evolution* is a powerful tool that allows you to view and clear trouble codes on your vehicle. Trouble codes are the messages your vehicle's computer logs to let you know there may be something wrong with your vehicle. The "Check Engine" light on your dash is activated by the presence of some trouble codes.

If you selected *Diagnostics* from the initial option screen after plugging in the *Evolution*, the screen displays the following message:



## **Retrieving Codes**

If you want to retrieve and view the trouble codes on your vehicle (trouble codes are what makes your "check engine" light come on) select the *Retrieve* option. Make sure your ignition is in the ON position, but the vehicle is not started.

If you have trouble codes, they appear on the screen like the following example:



If you have no trouble codes, the following screen appears:



## **Clearing Codes**

If you want to clear the trouble codes on your vehicle (trouble codes are what makes your “check engine” light come on) select the *Clear* option.

**CAUTION:** *If you do not address the issue that originally caused the DTC, the DTC will set again and the “Check Engine” light will come back on. If a trouble code is set repeatedly and does not clear, the user must take action to define and correct the problem. Failure to correct the problem could result in powertrain damage. The user must become familiar with the codes and the potential problems if left uncorrected.*



**WARNING** Some Codes are set as a result of using aftermarket products. Some trouble codes may have safety implications. Do not clear codes unless you are familiar with the code and concerns if not corrected. Use only when necessary, and address all trouble code warnings.

After selecting the *Clear* option, any current trouble codes are cleared from your vehicle's PCM and the "check engine" light goes out. The screen looks like the following:



## Data Stream Monitor

The *Evolution* also monitors 5 PIDs (**P**arameter **I**dentification), often called 'Data Streams' from your truck. These values might be useful to monitor, particularly the transmission fluid temperature.

**NOTE:** Always remember to disconnect the *Evolution* when you turn the vehicle off so you don't drain the battery.

1. After selecting the *Diagnostics* option, the following screen appears:





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



Since these values are constantly changing, you have the option of freezing the screen to capture these values. The following list describes the displayed PIDs:

- Engine RPM - This is the actual RPM value calculated by the PCM
- EOT Deg. F - Engine Oil Temperature in Degrees (Fahrenheit)
- TFT Deg. F - Transmission Fluid Temperature in Degrees (Fahrenheit)
- Line Pr. PSI - Transmission MAIN line pressure (this is controlled by the PCM)
- Exh. B/P PSI - Exhaust Backpressure reading before turbo in PSI (absolute)

## Performance Testing

**⚠ WARNING** *Do not use the Performance Tests feature to break any traffic laws. Perform these tests only where they are legal and safe.*

The *Evolution* allows you to test the performance of your vehicle by timing the 0-60 and the quarter mile times. You also have the option to save and recall one of your 1/4 mile performance runs.

**NOTE:** *It is helpful to remember these might not be results you would receive from actual races. Modified tire sizes and gear ratios as well as tire slippage can cause the speedometer to read incorrectly causing slight miscalculations in the displayed results.*

To run these tests, perform the following steps:

1. From the *Main Menu*, select the *Performance* option:



2. The following screen appears:



3. Select the desired performance test and press <ENT>. If your vehicle is moving at this time, the following screen appears:



4. When your vehicle is at a complete stop, the following screen automatically appears:



When you press the accelerator pedal, the test automatically begins. As you drive, the screen should be displaying your current speed. When the test is complete (the desired distance or speed is reached), the test will automatically stop and your result will be displayed on the screen.

## Quarter Mile Display



The *Evolution* displays your 60 foot, 1/8 mile, and 1/4 mile times in addition to your MPH at 1/4 mile.

The quarter mile run also has the option to save one run. You can recall this run at anytime. You can also save over it with a better run if desired.

## 0 to 60 Display



The *Evolution* displays the time it took to go from 0 to 60 MPH.

5. After the test is complete, press <ESC> to return to the *Performance Menu*.

## Troubleshooting/Tips

- Tip:* Programming your vehicle may expose existing defects in your vehicle's PCM that could disable your vehicle. It is advised that you do not program your vehicle in remote locations in case of failure.
- Tip:* Keep in mind that the *Evolution* is a high performance product and that not all vehicles deliver the exact same power output when programmed with the *Evolution*. It is recommended that you select a program that will best fit your needs. Whether towing, or traveling long distances at high speeds, choose your power level wisely and keep in mind the condition and tolerances of your vehicle when selecting a suitable power level.
- **NO DISPLAY WITH KEY ON** – If you should get no display when turning the key on, check all of your fuses and make sure your battery is fully charged. Disconnect and reconnect the OBD-II cable to ensure the *Evolution* restarts properly. If the unit restarts but fails to stay on, or fails to turn on when the key is on, there is most likely a communications issue. Contact Edge Products Technical Support for further assistance.
  - **NO START** – If you experience a “No-Start” condition after programming your PCM, return to the *Power Programming* menu and select *Return to Stock*. This will allow the *Evolution* to reprogram the PCM with the factory calibration and recover the PCM. If, after reprogramming, you still have a “No-Start” condition, contact Edge Products Technical Support. A member of our support team can further instruct you on possible recovery procedures.

- **THEFT LIGHT (on Excursions)** - If the theft light flashes rapidly after programming and the vehicle won't start, the Passive Anti-theft system (PATS) will need to be reset. To reset the PATS, perform the following steps:
  1. Turn the key on, but do not attempt to start the vehicle.
  2. Wait for the theft light to quit flashing rapidly. This should take about 45 seconds, after which the THEFT light will flash multiple times about every 3 seconds.
  3. Turn the key off and remove the key from the ignition for 30 seconds.
  4. Insert the key and turn the ignition to the ON position.
  5. The THEFT light should illuminate for about 5 seconds and then go out.
  6. Continue to start the vehicle normally.

## **Warranty Information**

### **LIMITED 1 YEAR WARRANTY**

Edge Products, LLC, (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 90 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.

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

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 DATE OF PURCHASE FOR A FULL REFUND.

## **IMPORTANT INFORMATION ABOUT YOUR VEHICLE'S WARRANTY**

Many of our customers ask, "Will your product void my vehicle's manufacturer's warranty?" While the answer is straightforward from a legal standpoint, it's important to educate our customers (and all aftermarket consumers) on some industry realities and offer some common sense precautions to minimize your risk. Edge is committed to providing quality products that are safe to use. Our products do not cause damage to a vehicle when used as intended. *Please keep in mind that towing in anything higher than the towing level and hard driving in race or extreme performance levels is not recommended.*

Consumers of aftermarket products are protected by the Federal Magnusson-Moss Warranty Act. The Act states that if something breaks on your vehicle and you take it in for warranty repair, the dealer must honor your warranty unless whatever modifications you have added to your vehicle actually caused the problem in question.

However, the reality is that many dealerships have been known to void warranties on vehicles that use aftermarket products as a matter of policy. This applies in particular to those aftermarket products that produce horsepower, such as performance enhancement "chips," modified intake manifolds, or aftermarket exhaust systems, regardless of product brand.

You have strong legal protection as a consumer in regard to your vehicle's warranty. However, Edge strongly recommends you always disconnect and remove your module/programmer and monitor when you take your vehicle to a dealer for warranty work. In addition, leaving the product connected may affect dealer diagnostic analysis and CAN tool functions. Edge makes every effort to produce product that can be easily removed. **NOTE:** *Even if you disconnect your unit, your dealer can detect the use of any programmer—even if the unit has been removed.*

Thank you for purchasing the *Evolution* by Edge Products, LLC for the Ford 7.3 Powerstroke Diesel®. The *Evolution* programmer 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.

**Note:** *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).*

## Commonly Used Acronyms

ACT = Air Charge Temp	KOEO = Key On Engine Off
ACV = Thermactor Air Control Sensor	KOER = Key On Engine Running
AOD = Automatic Overdrive Transmission	KS = Knock Sensor
APP = Accelerator Pedal Position	LOAD = Engine Load
AXOD = Automatic Overdrive Transmission	LOS = Limited Operation Strategy
BAT = Battery Voltage	LPD = Line Pressure Desired
BCM = Body Control Module	LUS = Lock-up Solenoid
BOO = Brake On/Off Switch	MAF = Mass Airflow
BP = Barometric Pressure Sensor	MAFV = Mass Airflow Sensor Voltage
BST = Boost	MAP = Manifold Absolute Pressure
CCD = Computer Controlled Dwell	MAT = Manifold Air Temp
CCO = Converter Clutch Override	MCU = Microprocessor Control Unit
CDR = Crankcase Depression Regulator	MIL = Malfunction Indicator Light
CEL = Check Engine Light	MPH = Miles Per Hour
CFI = Central Fuel Injection	OHC = Over Head Camshaft
CHT = Cylinder Head Temperature	OSS = Output Shaft Speed
CID = Cylinder Identification Sensor	PCM = Powertrain Control Module
CKP = Crank Position Sensor	PFE = Pressure Feedback EGR Sensor
CMP = Cam Position Sensor	PIP = Profile Ignition Pickup
CPS = Crankshaft Position Sensor	PSPS = Power Steering Pressure Switch
DTC = Diagnostic Trouble Codes	RPM = Revolutions Per Minute
ECA = Electronic Control Assembly	SES = Service Engine Soon
ECM = Electronic Control Module	SIL = Shift Indicator Light
ECT = Engine Coolant Temp	SPARK = Spark Advance/Retard
EDF = Electric Drive Fan Relay	SPOUT = Spark Output Signal (from ECA)
EDIS = Electronic Distributor	STAR = Self Test Automatic Readout
EGO = Exhaust Gas Oxygen Sensor	TAPS = Throttle Angle Position Sensor
EGR = Exhaust Gas Recirculation	TCM = Transmission Control Module
EGRC = EGR Control Solenoid	TFI = Thick Film Ignition System
EOT = Engine Oil Temperature	TFT = Transmission Fluid Temperature
EVP = EGR Position Sensor	TGS = Top Gear Switch
EVR = EGR Valve Regulator	THS = Transmission Temperature Switch
FDM = Fuel Delivery Module	TPS = Throttle Position Sensor
FPM = Fuel Pump Monitor	TQC = Torque Control
FRP = Fuel Rail Pressure	TSS = Turbine Shaft Speed
HEGO = Heated Exhaust Gas Sensor	TTS = Transmission Temperature Switch
IAT = Intake Air Temperature	VAF = Vane Air Flow Sensor
ICM = Integrated Controller Module	VAT = Vane Air Temperature
IDM = Ignition Driver Module	VCT = Variable Cam Timing
ISC = Idle Speed Control	VSS = Vehicle Speed Sensor
ITS = Idle Tracking Switch	WAC = WOT A/C Cut-off Switch
IVS = Idle Validation Switch (Diesel)	WOT = Wide Open Throttle
KAM = Keep Alive Memory	

### Technical Support:

**888-360-3343**

**To expedite your support call, please have your Vehicle Information, Part Number, Serial Number, and Date of Manufacture ready prior to calling Technical Support. The *Edge Products* information is found on the label located on the bottom of the device.**