



**Caterpillar 3126 B & E models**  
*Edge EZ Module*  
*Installation Instructions & Manual*  
OLD P/N: ECAT1000  
NEW P/N: 50200



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Edge Products Incorporated  
1080 South Depot Dr.  
Ogden, UT. 84404  
888-360-3343  
[www.edgeproducts.com](http://www.edgeproducts.com)  
*Manual Version 3*

## **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.

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 shall the **SELLER** be liable for any labor charged or travel time incurred in diagnosis for defects, removal, or reinstallation of this product, or any other contingent expenses.

Under no circumstances 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.

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

**THIS PRODUCT AND THE BOOST ELBOW (if installed) 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!!**

**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).**

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.



## **Installation Instructions**

Please read these instructions through completely and thoroughly understand each step prior to installation.

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

### **Supplied Items:**

1. Power Edge EZ CAT Module
2. Three Wire Ties
3. Two Velcro Strips
4. One hose clamp
5. One Brass Elbow

### **Items required: (for optional boost elbow installation)**

1. Pliers
2. 7/16" Wrench
3. 3/8" Drive Ratchet
4. 1/4" Socket

## Module Installation

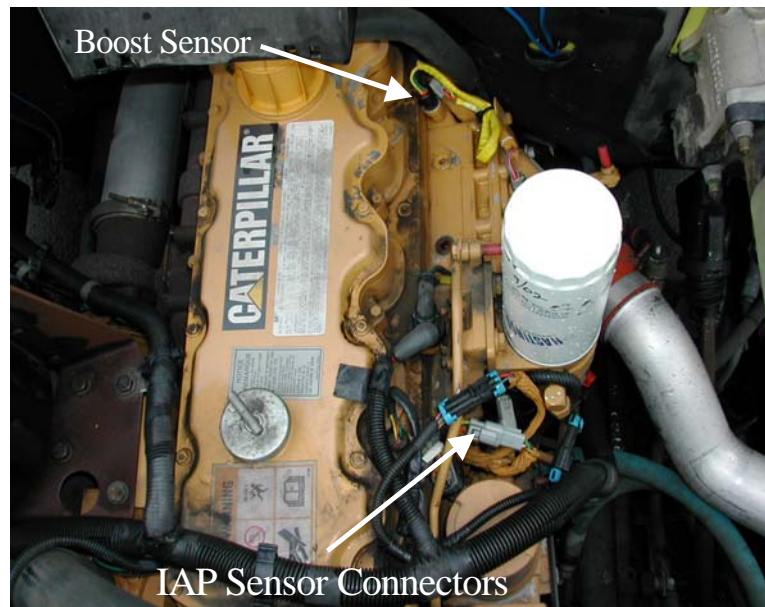
**Harness Connector** – Your ECAT1000 module may be equipped with a harness that can be disconnected at the module itself (See figure 1A). It is important to make sure that your ECAT1000 module is always connected to the harness when the wiring harness is connected to the vehicle, otherwise the vehicle may not run properly, or may trip engine “codes.”



FIGURE 1A

## **Boost Sensor Connection**

1. The boost sensor is located on the driver's side of the engine as shown in the photo. Disconnect the stock connector and plug in the supplied connectors that are located closest to the *Power Edge EZ CAT* module.



## **IAP Sensor Connection**

2. The IAP sensor is located on the driver's side towards the front of the engine. Disconnect the stock connector and plug in the connectors located at the end of the *EZ CAT* harness (furthest from the module).

## **Final Inspection and Operation**

3. The *EZ CAT Module* can mount on or near the firewall. Adhere the module using the supplied velcro.
4. Recheck all connections, fittings and fasteners for a properly secure installation.
5. Using the supplied wire ties, secure the wiring harness from possible damage.

## **Boost Elbow Installation (Optional)**

The installation of the brass elbow permits the turbo boost pressure to increase without the wastegate opening. The *Power Edge EZ CAT Module* will operate equally well with or without this installed.

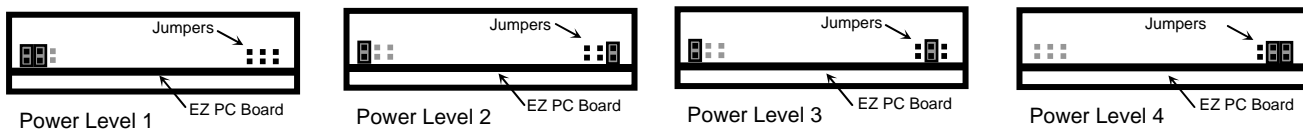
6. Using the pliers, remove the crimp style clamp from the hose on the stock brass elbow located on the bottom side of the turbocharger. Remove the hose from the brass elbow and dispose of the crimp style clamp.

- Using the 7/16” wrench, unscrew the stock brass elbow out of the turbocharger housing. Using the 7/16” wrench, install the supplied brass elbow, tighten-be careful not to over-tighten. Slip the supplied hose clamp onto the stock hose, install the stock hose onto the newly installed brass elbow and tighten the hose clamp with the 1/4” socket.

## **Fueling Adjustment**

The *Power Edge EZ CAT Module* features 4 different levels of fueling. The *Module* is set default to level 2.

- To change settings remove the front panel by using a 3/32” allen wrench to remove the two screws.
- Below the cover the 3 jumper settings on the right side are used for the power level adjustment.
- The two jumpers can be repositioned in any of the locations shown below to achieve the desired response.



## **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.

- Level 1: 25 HP
- Level 2: 30 HP
- Level 3: 35 HP
- Level 4: 40 HP



**Technical Support:**  
**888-360-3343**

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