



## SCORCHER<sup>HD</sup> Performance Chip

**Instruction Manual** P/N: 77-43036

Make: **Ford**    Model: **F-250/F-350**    Year: **2001**  
Make: **Ford**    Model: **F-450/F-550**    Year: **2001**

Engine: **V8-7.3L (td) Power Stroke**  
Engine: **V8-7.3L (td) Power Stroke**

**NOTE: Manual Transmission Only!**



### **THIS IS A HIGH-PERFORMANCE PRODUCT:**

Do not use this product until you have carefully read the following agreement and installation instruction. 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 WARRANTY AND LIMITATION OF LIABILITY:**

Advanced FLOW Engineering, Inc. (also known as aFe or aFe POWER) and its successors, distributors, jobbers, and dealers (hereafter "SELLER") shall in no way be responsible for the product's improper use and service. It is the installer's responsibility to check for proper installation and if in doubt, contact the manufacturer. The SELLER assumes no liability regarding the improper installation or misapplication of its products. BUYER acknowledges it has had the opportunity to fully inspect the product. Accordingly, BUYER acknowledges that the product is being sold in "AS IS/WHERE IS" condition. SELLER shall not be held liable for special, indirect, incidental or consequential damages of any nature with respect to the products (including, without limitation, lost profits, lost sales, loss of production, property damage, personal injury or loss or damage resulting from interruption or failure in operation of the products) and BUYER hereby expressly waives and disclaims all such liability claims. The BUYER acknowledges and agrees that the disclaimer of liability contained herein is a material term of the sale of the product and, to the fullest extent permitted by law, BUYER shall defend, indemnify and hold SELLER harmless from any and all claims, demands, causes of action, controversies, liabilities, fines, losses, costs and expenses (including, but not limited to attorneys' fees, expert witness expenses and litigation expenses) arising from or related to SELLER's products.

### **Before proceeding with the installation:**

- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100.
- Do not attempt to work on your vehicle when the engine is hot.

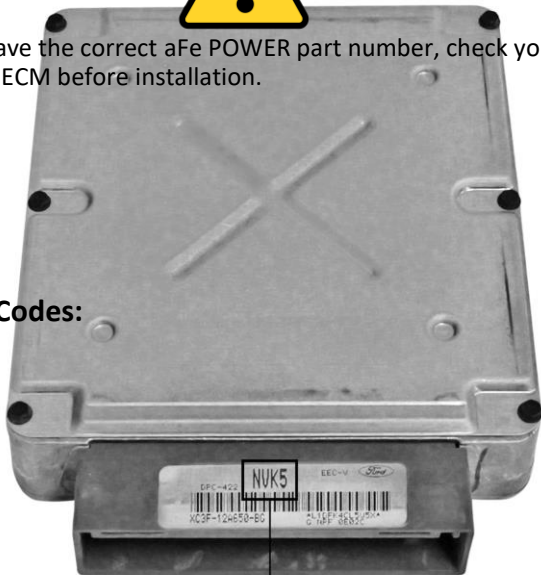
**Emission Disclaimer:** This product is not currently CARB exempt and is not available for purchase in California or for use on any vehicle registered with the California Department of Motor Vehicles.



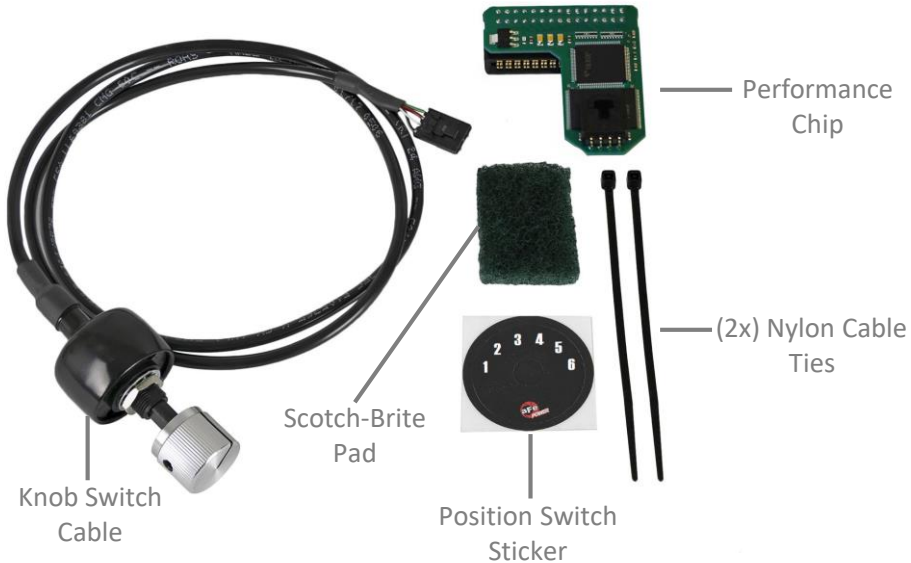
To make sure you have the correct aFe POWER part number, check your DPC-number and/or box code on ECM before installation.

**ECU: DPC-441**

**Supporting Box Codes:**  
APX and ZXG.



ECU CODE LOCATION  
ECU CODES WILL HAVE  
3 LETTERS AND 1 NUMBER





## BE AWARE:

All power to the vehicle must be **DISCONNECTED** prior to installation. Failure to do so could result in damage to your vehicles ECM.

**Disconnect both batteries** and locate the ECM Connector under the hood on the driver's side firewall. Loosen the bolt (10mm socket) located at the center of the ECM wiring harness plug. Inside the truck remove the 2 bolts (7mm socket) holding the ECM in place. Remove the ECM from the truck.



Once you have the ECM removed, on the opposite end of the wiring harness plug is a small plastic or metal cover. Remove this cover gently. Inside this J3 port is a circuit board with double-sided contacts that must be cleaned of conformal coating. J3 Port contacts must be cleaned thoroughly, or the chip will not make proper contact with the ECM.



Scrub off the coating using the Scotch-Brite pad provided or a fine sandpaper. The contacts should start to become shiny and metallic copper color. Scrub only until you begin to see a hint of copper. Wipe off any remaining coating with rubbing alcohol or lacquer thinner on a paper towel.

**Please verify that BOTH sides of the edge connector were cleaned thoroughly. Improper cleaning is the most common reason for chip failure or incorrect operation.**

Slide the connector cable into the chip.



The proper orientation of the chip is with the circuit board of the chip and the switch cable on the larger side of the J3 port opening.



Once you have properly mounted the chip, secure the chip to the ECM with a piece of package sealing or Duct tape.



Be sure the box holding the computer in place does not bind the chip causing it to tilt and lose connection. Return the ECM to its location and re-connect the wiring harness and 2 bolts in box. Reconnect Batteries.

Install switch and sticker in a convenient location. Your installation is now complete.  
Thank you for choosing aFe POWER!

## 6 Position Settings



- 1) Stock Mode
- 2) High Idle: Used to reduce wet-stacking leading to excessive engine wear
- 3) +50 HP
- 4) +75 HP
- 5) +100 HP
- 6) "HOT" (Up to +133 HP)



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## ONE YEAR WARRANTY

aFe POWER warrants the included hardware product and accessories against defects in materials and workmanship for one year from the date of original retail purchase. This warranty applies only to the original purchaser of the product and is non-transferrable. Proof of purchase of the aFe POWER product is required for all warranty claims. Warranty is valid provided aFe POWER instructions for installation and/or cleaning were properly followed. Proper maintenance with regular inspections of product is required to insure warranty coverage. Damage due to improper installation, failure to provide proper care and maintenance, accident, abuse, misuse, normal wear and tear, unauthorized repair or alteration is not warranted.

Additionally, Incidental or consequential damages or cost, including installation and removal of part, incurred due to failure of aFe POWER product is not covered under this warranty. All warranty is limited to the repair and/or replacement of the aFe POWER product. Incidental or consequential damage means any loss, expense, or other damage that cannot be remedied by either repairing any defect in the aFe POWER product or by replacing the aFe POWER product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Furthermore, no individual or entity other than aFe POWER possesses the authority to alter the obligations, limitations, disclaimers, or exclusions under this warranty.

To request Return Goods Authorization (“RGA”), contact aFe POWER by completing and submitting the online technical support form at <https://afepower.com/contact/tech-warranty> or call +1(951)493-7100. Upon receipt of the RGA, you must return the product to the address provided in the RGA, freight prepaid and accompanied with a dated proof of purchase and the RGA. Upon receipt of the defective product and upon verification of proof of purchase, aFe POWER will either repair or replace the defective product within a reasonable time, not to exceed thirty days. aFe POWER has the right to deny any warranty believed to be false, altered or purchased through an unauthorized dealer.



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