

# 2008 to 2010 Ford Powerstroke

Introducing the 6.4L Westers Garage ThunderPlug™  
The World's Smallest and Most Powerful 6.4L Powerstroke Programmer

## **DPFE Delete -- Performance Program -- Mileage**

Congratulations on the purchase of this performance product. You'll enjoy the new performance levels and capacity your Ford 6.4L has for both mileage, performance and the ability to remove or retain your diesel particulate filter system. You'll be blowing away the competition with our simple and very powerful programming device.

**Make sure the battery is fully charged before installing.**

### **Installation procedure:**

1. Turn key on. Position of the programmer toggle switch is irrelevant when programming the custom tune, but to avoid confusion—leave the switch down.
2. Plug it in to the under dash OBD2 port ! The LED on the Thunder Plug will be SOLID **RED** for 10-20 seconds as the software and vehicle identification number are being identified.
3. Immediately, the light will flash very fast in a "**BLUE/RED**" strobe indicating that the computer is being read and the unit is storing the original factory computer content. NEVER UNPLUG IT AT THIS TIME !! It's absolutely critical that a good original factory file is read from your unit. If you happen to do so, you'll need to restart the procedure or you'll be walking if you have a failed reflash event—only a portion of the original stock file will be reflashed back to the Ford ECM. Reading can take up to 20 minutes, as these files are very large—so BE PATIENT. Don't call us if you unplugged the unit before the computer procedure was finished.
4. The ThunderPlug will then switch between **RED** (Erasing ECM) and **BLUE** (Writing ECM) a few times (each color will be lit for about 20-30 seconds or so as file is installed and is verified) while it is reflashing the truck ECM.
5. When it is all done, the LED will stay **GREEN**. Now you can turn the key off, and unplug the programmer.

*You're ready to race !*

### **To program the vehicle back to stock:**

1. Flip toggle switch up on programmer.
2. Turn key on, and plug in the programmer. If the unit fails to illuminate the LED, repeat step 2 of "programming vehicle back to stock".
3. Observe flashing colors as before—will be on **RED** for up to 2 minutes, then go to **BLUE** – again to **RED** and finally writing the stock program "**BLUE**", and when it's all done—the LED remains **GREEN**. Vehicle is now back to stock.
4. Turn off key, and unplug the programmer. Start your truck...vehicle will be 100% original as before.

### **Trouble Shooting:**

**Won't reflash vehicle** -- Check to make sure your courtesy / cigarette lighter fuse is intact

**Fails to start** -- Program vehicle back to stock (see instructions above)

If it finds a problem, it will flash an error code like the old GM, the 10's place is red and the 1's place is blue. Call us with the error code flash count so we can help you with your problem. For example, a red flashes once blue flashes 9 times – this is 19.

Unlike most places that promise tech support, we answer emails immediately !!

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