



**Instruction Manual v1.0:
E-Power
Ford based OBD-II vehicles**

Please read all instructions before using.

Vehicle Diagnostics:

The E-Power can read and erase DTCs (Diagnostic Trouble Codes) on the LCD display. This feature will work on any Ford based OBD-II vehicle.

The E-Power can also read the strategy of the vehicle. This is very useful on vehicles that have been re-flashed to an updated calibration. This feature can ensure that ATS Diesel Performance programs your vehicle with the newest release calibration.

Main menu options include:

DTC/Data Menu:

Read DTCs	Display trouble codes
Clear DTCs	Clear all DTCs
Read Strategy	Displays factory PCM code

Program Vehicle:

Custom Tune	Choose custom tune to program into vehicle
Return to Stock	Available after vehicle is Programmed
Display Dealer	Displays opening message screen

LCD Contrast:

Sel to Save	Adjusts LCD contrast
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To Program Vehicle:

1. First disconnect the fuel pump and electric fan fuses.
2. Plug the OBD-II connector into the port under the dash of the vehicle you wish to program. Some vehicles may have a panel that needs to be removed to access it.
3. With the key off, use the up and down arrows to navigate through the main menu.
4. From the main menu, scroll down to the 'Program Vehicle' menu and press select. Select what file type you want to install into the vehicle: 'Custom Tune' or 'Return to Stock'.
5. In the 'Custom Tune' menu, use the up and down arrow keys to select the file you want to program onto your vehicle.

6. With that file displayed, press the select button to start the flashing process.
7. Turn the key on when prompted on the LCD display.
8. If there are user adjustable options available for that file, the display will read 'Enter opt parms?' (Enter Option Parameters), which will allow you to make minor changes to the file.
9. Press the Cancel button to skip the custom options and go straight to the flashing process.
10. Once the flashing process is complete, the display will show 'Program Complete, Press Select' followed by 'Turn key off, Press Select'.
11. Turn the key off and press select.
12. Your vehicle is now programmed and you can unplug the E-Power.

NOTE: On 1994-1997 Vehicles, you must disconnect the battery after flashing for 30 seconds to ensure a proper reset of the keep alive memory.

End User Adjustable Options:

With the Advantage 3.0 software, ATS Diesel Performance offers custom tuning files that have user options.

Some updates and options will only work for certain vehicle models or years.

Some of the options you can modify are: axle ratio, shift points, shift firmness, MAF sensors, injectors, and much more. With user options, you can make small changes to your tune without the use of a laptop.

1. Press the Select button to enable custom tune options.
2. Using the up and down arrows, navigate through the selectable options.
3. Press the Select button to make a change to that category.
4. Press Select when finished with that category to choose the next category.
5. Repeat until finished.
6. Once you have made all of your changes, press the Cancel button to start the flashing process.
7. Once the flashing process is complete, the display will show 'Program Complete, Press Select' followed by 'Turn key off, Press Select'.
8. Turn the key off and press select.
9. Your vehicle is now programmed and you can unplug the E-Power.

Error Recovery:

In the event the E-Power does not successfully flash the vehicle, it will display an error message on the LCD display.

If this occurs, you will want to recover the EEC by turning the key off, following the menu options to Program Vehicle, and under Program Options, choose the 'Return to Stock' option.

This will install the stock file back into the vehicle, and allow you to attempt to re-flash the vehicle with the custom program.

Data Logging:

This feature will allow you to view real-time data of PID and DMR values on the screen of your E-Power. You will also be able to record data and download it to a personal computer.

The E-Power can be used as a high-speed data logger on any Ford based OBD-II vehicle. A standard USB cable is needed to connect the E-Power to a PC using the Live Link software available for download on our website <http://www.atsdiesel.com>

Data logging is not locked to a certain vehicle and can be used on any compatible vehicle, at any time.

If using the E-Power to data log an EEC-V vehicle with a chip installed, you must use a special adapter cable. This is necessary to keep the E-Power and the chip communications from interfering with each other. These cables are available from ATS Diesel Performance.

Analog Inputs:

The E-Power can also data log auxiliary analog inputs from 0-5 volts. You will need a 9-pin mini Din connector for the application. This cable is available from ATS Diesel Performance.

Other Information:

Once the E-Power has been used to program a vehicle, the flashing capability will be locked to that vehicle until that vehicle has been put back to stock. Once the first vehicle is put back to stock, the E-Power can be reprogrammed for another compatible Ford vehicle by ATS Diesel Performance.

The E-Power and Live Link data logging software should not be used by the operator of a motor vehicle while driving. Always obey traffic laws.

ATS Diesel Performance values our customers, and we want you to know that as we improve the features and capabilities of the E-Power you will have the opportunity to get updates online. Some updates and options will only work for certain vehicle models or years.

Have Any Questions?

Thank you for purchasing the E-Power. Please check our website at <http://www.atsdiesel.com> for technical support and other performance products such as the 5-Star™ torque converter, ATS High Performance Valve Body and ATS High Performance Transmission along with our full line of power enhancers. Please call or e-mail our Technical Service Department, 8:00am to 5:30pm Mountain Standard Time, Monday through Friday.

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We strive to make our instructions as clear and complete as possible. To achieve this, our instructions are under constant construction. We encourage you to visit our website to check for the most up-to-date manuals and diagrams as well as other information. If you have any suggestions as to how we can improve this installation manual, let us know at <mailto:Suggestions@ATSDiesel.com>.