INSTALLATION INSTRUCTIONS FOR

FORD PERFORMANCE MODULE

TECHNICAL ASSISTANCE 714-848-5515

JET Performance Products
17491 Apex Circle
Huntington Beach, CA 92647
Phone: (714) 848-5515 • Fax: (714) 847-6290

Information about your...

PERFORMANCE MODULE

The Jet Performance Module is designed to enhance the performance and driveability of your vehicle. By optimizing the air/fuel ratio, ignition advance and various other parameters, the Jet Module retunes your engine for maximum performance.

The use of premium fuel (91 octane or higher) is recommended for maximum results. Lower octane fuels may be used, but could result in lower performance gains. JET Performance strongly recommends the use of premium fuel when towing.

HOW TO USE THIS INSTALLATION GUIDE

1. Go to the chart below and look up your vehicle on the ECU Location Chart.

YEAR	MODEL	LOCATION
87 - 04	Mustang	#1
04 & up	Mustang	see page 14
89 - 03	Cougar, T-Bird	#1
94 & up	Crown Victoria	#8
87 - 94	Bronco II, Explorer	#1
95 - 02	Explorer	#4*
03 & up	Explorer	see page 9
87 - 92	Ranger	#1*
93 - 95	Ranger	#2*
96 & up	Ranger	#4*
93 - 98	E Series Van	#6
89 - 04	Taurus	#7
87 - 96	F150, 250, 350	#3
97 - 03	F150, Expedition	#5
04 & up	F150	see page 11
94 - 97	F250 - 350 Diesel	#3
97 & up	F250, 350	#6
98 - 03	F250 - 350 Diesel	#6

* See page 8

#1= Behind the passenger kick panel.
#2= Under hood on drivers side
#3= Driver's side kick panel, behind emergency brake
#4= Under hood, near top of firewall, near passenger side
#5= Passenger side above kick panel
#6= Under dash on drivers side, inside plastic sleeve
#7= Back firewall door
#8= Behind panel below steering column

2. Remove negative battery cable.
3. Remove any covers (kick panels, etc.).

4. Remove the ECU mounting bracket screw and pull the ECU out of it's bracket.
5. On the rear of the ECU remove the warranty sticker or plastic cap to expose the connector.

IMPORTANT: It is necessary to clean the protective coating off of the circuit board connection on the factory computer. Using the supplied cleaning pad, gently rub back and forth over the circuit board to remove all of the coating (see pictures). You MUST clean both sides of the circuit board for the module to get a proper contact. Remove any flakes of coating left from cleaning.

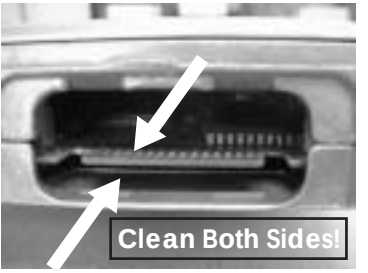
If the vehicle does not start or any warning lamps stay on after installing the module, reclean the circuit board and remove any residual coating from inside the connec tor on the JET module.

6. Plug the JET Module onto the exposed connector (see pages 4-7 for pictured instructions.)

IMPORTANT: When installing the module onto the connector, care should be taken NOT to FORCE the module inside the computer. Damage to your computer could result.

7. To prevent the module from working loose - use the provided mounting strip and tape over the module to hold it on the ECU.
8. Reinstall the ECU, bracket and any panels back in their original location.
9. Reconnect the negative battery cable.
10. Start the vehicle - verify that the service engine light is **NOT** on and that the idle RPM is normal. If **NOT**, turn **OFF** the engine. Verify all the installation proceedures.

Module A Photo Instructions



Step 1

Clean both sides of connector.

Step 2

Plug Jet Module onto connector.

Step 3

Make sure the module is seated all the way down.

Module A Photo Instructions (Continued)

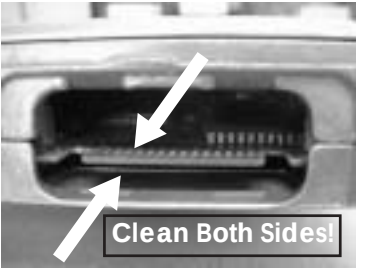
Step 4

Attach the module with the supplied sticker.

Step 5

Finished!

Module B Photo Instructions



Step 1

Clean both sides of connector.

Step 2

Plug Jet Module onto connector.

Step 3

Make sure the module is seated all the way down.

Module B Photo Instructions (Continued)

Step 4

Attach the module with the supplied sticker.

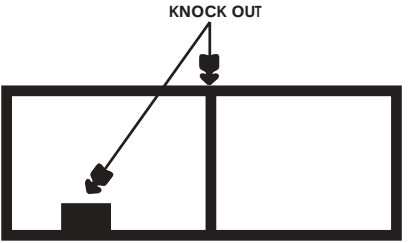
Step 5

Finished!

ATTENTION RANGER AND EXPLORER OWNERS

On some 1995 thru 2005 models, it may be necessary to remove the ECM stop bracket located directly behind your stock ECM. This bracket is put in by the factory for assembly reasons. It will not affect the vehicle by removing it.

This can be done by using a flathead screwdriver and a hammer. Gently tap the corners of the stop bracket. This simple procedure will allow the ECM to stay in its stock position with the JET Power Tech Module attached.



BACK OF ECM BRACKET

INSTALLATION INSTRUCTIONS FOR 2003-UP FORD EXPLORER/MOUNTAINEER 4.0L

1. Disconnect negative battery cable.
2. Locate the stock ECM (see chart below).

2003 - UP Explorer/Mountaineer	1

#1= Under hood passenger side on firewall

3. Remove the stock wiring harness as in photo #1
4. Install the JET Module using the center bolt to install it to the ECM (photo 2)
5. Reinstall all factory wiring harness into the Jet Module and computer. (As in photo #3)
6. Reconnect battery cable.
7. Start the vehicle. Verify that the "service engine" light **IS NOT ON**. Go drive the vehicle for a few miles and verify everything is working properly.
8. In the event that you have a problem go to the troubleshooting guide on page 20.

Photo #1

Photo #2

Photo #3

INSTALLATION INSTRUCTIONS FOR 2004-UP F150

1. Remove the negative side terminal from the battery.
2. Locate your vehicles computer. It is located under the hood in the engine compartment on the passenger side firewall (see photo 2)

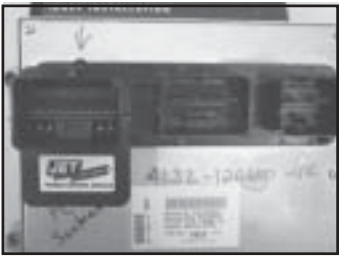
PHOTO 2

3. On your vehicles computer you will find 3 wiring harnesses, looking at the computer with all three plugs facing you. Unplug the harness on the left by pulling back on the gray release bar. The module will back out of the computer and can be easily removed (see photo 3).

PHOTO 3

4. Place the JET Power Control Module with the release tab on top and gently push the module into the computer while keeping the release tab slightly raised until the module seats and the release tab is over and behind the lock tab (see photo 4).

PHOTO 4



5. Reinstall the factory wiring harness into the JET Performance Module and push it in firmly to ensure it has good contact and is seated all the way down (see photo 5).

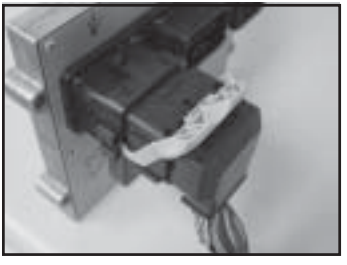
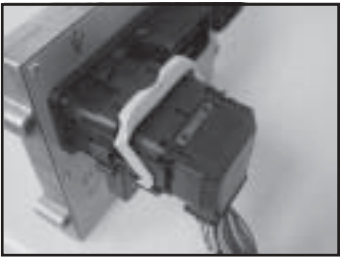


PHOTO 5

8. Push the grey handle toward the PCM to lock it to the JET Performance Module. **NOTE: The handle will not lock unless the factory wiring harness is seated in the JET Module all the way** (see photo 6).

PHOTO 6



7. Reconnect the negative side battery terminal and start the vehicle. Be sure there are no engine warning lamps illuminated. If you do have an engine warning light or other problems, recheck the installation. If the problems persist, contact the JET Performance technical support department.

INSTALLATION INSTRUCTIONS FOR 2005-UP FORD MUSTANG

1. Disconnect negative battery cable (see photo 1).

PHOTO 1

2. Locate the stock PCM. It is located under the hood on the passengers side and mounted next to the fuse box to the left of the upper radiator hose (see photo 2).

PCM

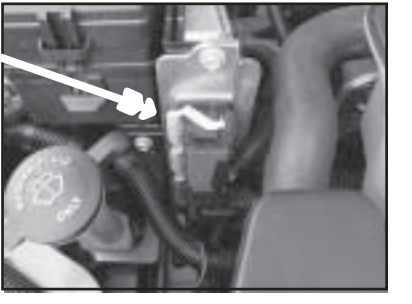


PHOTO 2

3. Locate the lower connector on the PCM, the one located closest to the ground (see photo 3).

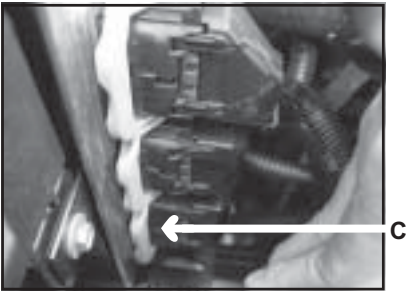


PHOTO 3

CONNECTOR

4. Unplug the lower connector by pulling back on the grey handle of the connector. This will unlock and push the connector out of the PCM (see photos 4 & 5).

PHOTO 4

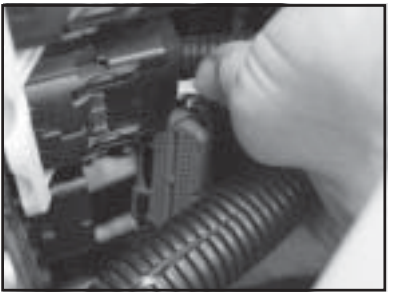


PHOTO 5

5. Plug the JET Performance Module into the connector as shown. Make sure you seat the module all the way down until the lock engages (see photos 6 & 7).

PHOTO 6

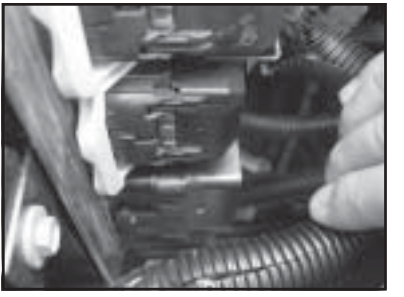


PHOTO 7

6. In order to reinstall the harness it is necessary to temporarily remove the harness retainer from its bracket as shown (see photo 8).

PHOTO 8

7. Reinstall the factory wiring harness into the JET Performance Module and push it in firmly to ensure it has good contact and is seated all the way down (see photo 9).

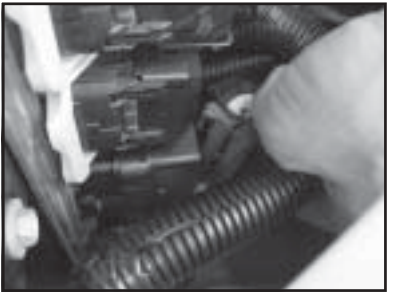


PHOTO 9

8. Push the grey handle toward the PCM to lock it to the JET Performance Module. **NOTE: The handle will not lock unless the factory wiring harness is seated in the JET Module all the way** (see photo 10).

PHOTO10

9. Reinstall the wiring harness retainer that you removed previously (see photo 11).

PHOTO 11

10. Reinstall the negative battery cable.

11. Start the vehicle and verify that the **SERVICE ENGINE LIGHT IS NOT ON.**

12. That's It! Installation is complete.

13. If you have any installation questions, please see our trouble shooting guide or contact JET Performance Technical support department from 8AM to 5PM Monday through Friday Pacific Standard Time and one of our technicians will be happy to help.

TROUBLESHOOTING GUIDE...

Most computer or module problems are due to poor electrical contacts. If you have a problem, try the following:

1. Disconnect the negative battery cable, unplug the factory harness and the Jet Module.

2. Inspect both the factory parts and Jet Module for any bent or broken pins, dirt or contamination. Fix any minor problems you find.

3. Reinstall the module, harness, battery cable and recheck for the service engine light or any drivability problems.

4. If the problem still exists...
   Contact the Jet Technical Department at (714) 848-5515

If these fail to correct your problem - **DO NOT CONTACT THE DISTRIBUTOR YOU PURCHASED IT FROM OR GO BACK TO THE CAR/TRUCK DEALER - CALL THE JET TECH LINE AT (714) 848-5515.**

ASK ABOUT OTHER JET PRODUCTS FOR YOUR CAR OR TRUCK

- **T.B.I SPACERS**
- **POWR-FLO AIR INTAKE SYSTEMS**

- **PERFORMANCE PROGRAMMER**
- **MASS AIR SENSORS**
- **JET POWER SHIFT**

WHAT TO DO BEFORE TAKING YOUR VEHICLE IN FOR SERVICE

If a problem occurs that may require you to take your vehicle to a mechanic or dealership for service, first remove the JET Performance Chip or Module and reinstall back to stock. If the problem disappears when you remove the JET Performance Product, call JET and we will troubleshoot the product. However, if returning to stock does ***not*** cure your problem, there is nothing wrong with your JET Performance Product and you will need to have your vehicle serviced.

Anytime a diagnostic machine is to be used, the vehicle must be back to stock. Diagnostic machines expect to find the original stock program and often cannot correctly analyze the problem if other devices are installed. Failure to reinstall your system back to stock can result in unnecessary and costly repairs not covered by JET. Before you have any work done on the vehicle that you feel may have been related to the JET Performance Chip or Module, please call JET at 714-848-5515.

Limited Warranty

JET Performance Products warrants Chips and Modules to be free from defects in material and workmanship under normal use and if properly installed. This limited lifetime warranty is to the original purchaser for as long as he or she owns the vehicle on which the product was originally installed, provided all information requested is furnished. If found to be defective as mentioned above, it will be replaced or repaired at the sole discretion of JET if returned prepaid along with proof of date of purchase.

All other products and services performed by JET are warranted in defects in material and workmanship for a period of 6 months from date of purchase. This warranty is to the original purchaser for as long as he or she owns the vehicle on which the product was originally installed. Repair, Replacement, or Credit will be based on the date of purchase. Costs for labor are specifically excluded and are the sole responsibility of the purchaser.

This warranty does not apply to Custom Programming or any product incorrectly installed, modified by the purchaser, or to any product that has been subjected to misuse, negligence or accident.

To obtain warranty service and Return Authorization Number, contact our Customer Service Department at 714-848-5515 between 8 am and 5 pm Pacific Standard Time, Monday through Friday

Defective Products may be brought or sent prepaid (with Return Number) to JET Performance Products, 17491 Apex Circle, Huntington Beach, CA 92647.

Consumer Bill of Rights

The installation and use of the product does not void the new-vehicle warranty nor should it be cause for the vehicle to fail an emissions test. Notify the product manufacturer if either of these situations occur. If you are unable to adequately resolve either situation with the vehicle manufacturer, you may contact the Environmental Protection Agency (EPA) at 202-233-9040, if the vehicle manufacturer fails to honor emission-warranty claims, or the Federal Trade Commission (FTC) at 202-326-3128, if federal protection is denied.

CONBR

Place this card in the glove box along with the vehicle registration and/or warranty

The information shown below is provided for future reference

Jet Powertech Performance Product

The product for which this document was issued is emission-sensitive and is subject to certain federal and state regulations; the manufacturer has assigned an identification color code designating its intended use.

The designation is:

COLOR CODE GREEN

The product accompanying this document has been guaranteed a California Air Resources Board (ARB) exemption, an "EO" number, or is a direct or consolidated replacement part. It is 50-state legal, per the manufacturer's application guide.

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