



BULLY DOG

#1 IN PERFORMANCE

INSTALLATION MANUAL



Mercedes Rapid Power Module

Applications	Rapid Power Module Number
Mercedes 2.7L & 3.2L diesel '01-'06	44631
Mercedes 3.0L V6 diesel '07-'09	44632





STOP!

TROUBLESHOOTING:

If you have questions during the installation of this product, please visit www.bullydog.com/Product_Updates.php.

The latest version of these instructions can be found at the same location. Technical support is available by calling 866-bullydog (866-285-5936).

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INTRODUCTION

You have just purchased the most technologically advanced power module available for the Mercedes CDI engine. The Rapid Power module is the safest and longest lasting module on the market. The Rapid Power module also comes with free technical support, just call: 1-866-285-5936.

This instruction set outlines how to install and operate the Rapid Power module on Mercedes Benz diesel engines 2.7L, 3.2L and 3.0L. Always remember to remove the module from the vehicle before taking it in for any kind of service as the module may interfere.

Bully Dog recommends installing a pyrometer gauge to monitor exhaust gas temperature when using any product to increase horsepower.

Product Description:

This section displays the parts included in the package and describes the main parts of the module.



Packaging Contents:

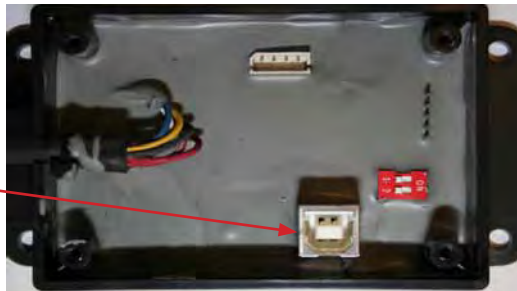
1. Rapid Power Module with Wiring Harness
2. Zip Ties
3. Velcro

THE MODULE BOX: The module box contains the electronics that will allow your vehicle to produce more horsepower. It is very important that this module is mounted away from all moving or hot parts. The box should be placed in an area protected from dirt and moisture.



USB PORT: The USB port which is used to update the module when new updates come available through the Bully Dog Update Agent. The USB port can be accessed by simply unscrewing the four screws on the top of the module enclosure.

USB Port



Product Description

THE WIRING HARNESS: The wiring harness is made up of the cable coming from the box and a cable with two plugs. The wiring harness allows the Rapid Power Module to connect to your vehicles engine. At the end of the wiring harness are two plugs, one male and one female plug. These plugs will connect directly to the vehicles engine and wiring harness requiring no modification of the vehicle.



FUEL RAIL PRESSURE SENSOR PLUGS



Female Plug

Male Plug

MOUNTING GEAR: The zip ties and velcro are included to secure the module and harness.



Installation:

Installation is split into two sections: 1. Installation of the module 44631, 2. Installation of the module 44632.

SECTION 1, Installing the 44631: Follow the instructions in this section to install the 44631 Rapid Power Module on a 2.7L Sprinter or a 3.2L Mercedes Sedan.

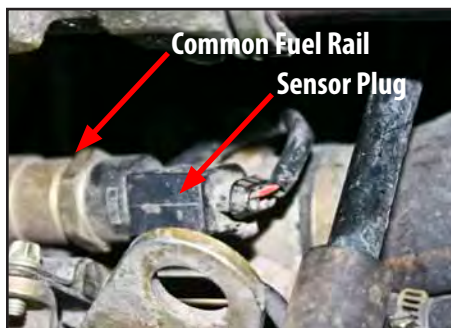
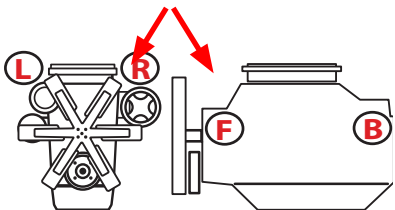


The engine overview seen above is an example of a 2.7L Mercedes engine on a Sprinter Van. The 3.2L Mercedes engine is nearly the same, the difference is that the 2.7L is a straight five cylinder and the 3.2L is a straight six cylinder. The Fuel Rail sensor plug is located in the same place on both engines.

Warning: Do not attempt to perform installation of any type on the vehicle while the engine is running.

Installation sec. 1

1. Make sure vehicle's engine is off.
2. Locate the common rail plug sensor on the engine. The common rail is located on the driver's side of the engine by the radiator.



Engine Orientation and Location of Fuel Rail Pressure Sensor for 2.7L and 3.2L.

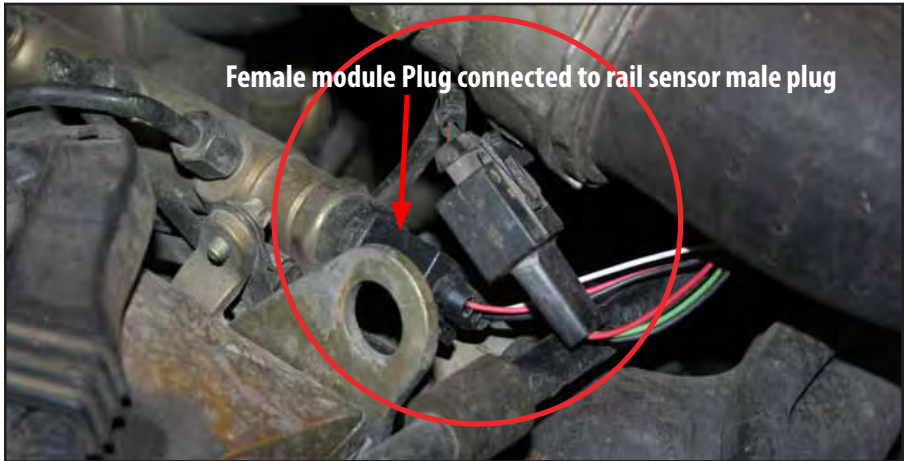
3. Disconnect the stock female sensor plug from the common rail.



4. Connect the male module sensor plug to the stock female fuel pressure sensor plug.



5. Connect female module plug to the rail pressure sensor male end. This will complete the installation of the plug set. See the picture below for an example of a completed plug set install.



6. Secure module and the wiring harness as far away from heat and moving parts as possible using the velcro and zip ties that are included in the package.

7. With the module secured, quickly recheck all of the plugs to make sure that they are fully snapped together. Then start the engine to make sure that everything is working and take the vehicle for test drive. the module has been secured start engine and enjoy.

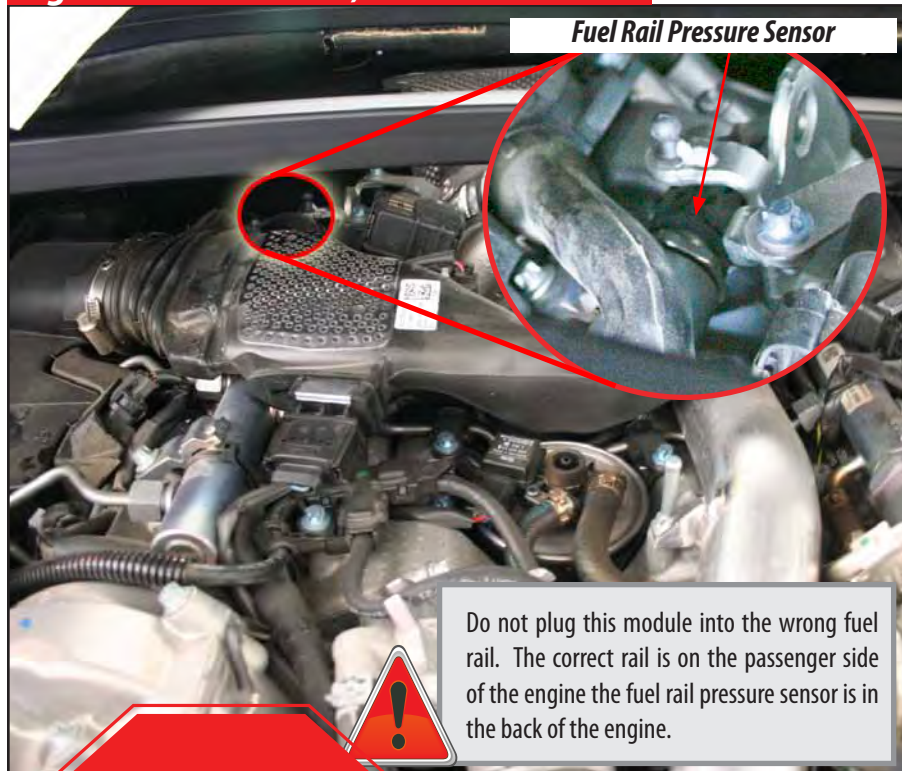


Installation sec. 2

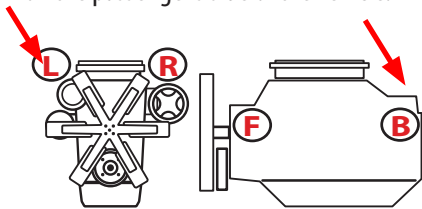
SECTION 2, Installing the 44632: Follow the instructions in this section to install the 44632 Rapid Power Module on a 3.0L V6 Mercedes engine on the Sprinter Vans and Mercedes SUVs and Sedans.

The engine overview seen above is an example of a 3.0L V6 Mercedes engine on a Sprinter Van, Mercedes SUV and Mercedes Sedan.

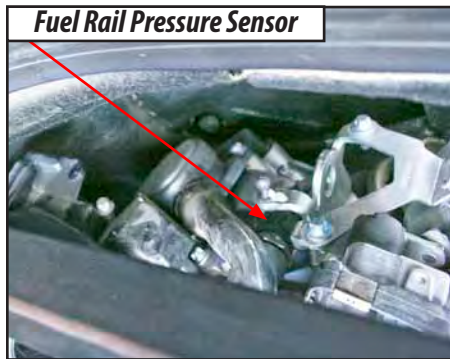
Engine Overview 3.0L, V6 '07-'09



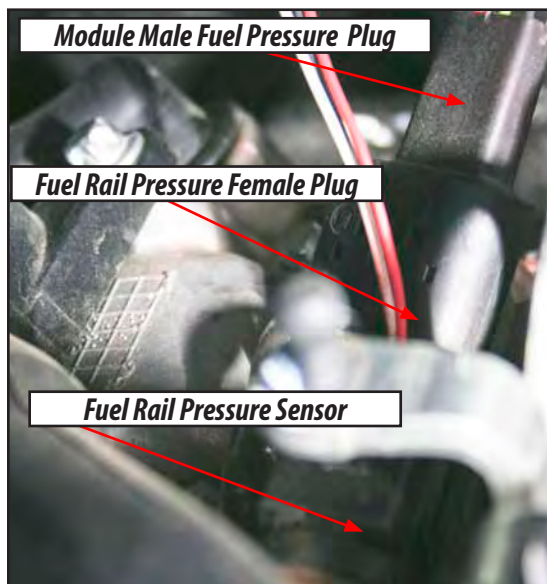
1. Make sure vehicle's engine is off.
2. Locate the common rail fuel sensor on the engine. There are two common rails, the common rail that the module plugs into is on the passenger's side of the vehicle.



Engine Orientation and Location of Fuel Rail Pressure Sensor for the 3.0L.



3. Disconnect the rail sensor plug from the common rail, this plug will be at the back of the common rail.
4. Connect the female module sensor plug onto the male fuel pressure sensor plug.
5. Connect male module plug into female fuel pressure sensor plug.



Do not plug this module into the wrong fuel rail. The correct rail is on the passenger side of the engine the fuel rail pressure sensor is in the back of the engine.

6. Secure module and the wiring harness as far away from heat and moving parts as possible using the velcro and zip ties that are included in the package.
7. With the module secured, quickly recheck all of the plugs to make sure that they are fully snapped together. Then start the engine to make sure that everything is working and take the vehicle for test drive. the module has been secured start engine and enjoy.

UPDATE AGENT

IMPORTANT: The information on this page is applicable to all electronic products made by Bully Dog.

If new updates come available for the Rapid Power Module, those updates will only be available through the Update Agent. The Update Agent is an internet update program designed by Bully Dog Technologies to update Bully Dog products. The Update Agent is free of charge and all updates available through the Update Agent are free of charge as well.

How to Get the Update Agent:

- **Update Agent CD:** included in your Rapid Power package is the Update Agent CD. This CD contains the Update Agent and all other necessary components to make the Update Agent work on your PC.



- **Online Download Center:** To acquire the Update Agent online simply visit Bully Dog's web site www.bullydog.com/download_center.php to access the Download Center and download it for free.

DOWNLOAD CENTER
Always update Your Downloader BEFORE you Install

We strongly recommend that you download the **UPDATE AGENT** to keep your Triple Dog/Power Pup Downloader and Performance Management Tool up-to-date.

Product	Version	Release Date
Performance Management Tool (PMT) - Ford Updated to work on 07.5-08 Ford 6.4L Diesel trucks.	V1.0.1.2	2008-01-28
Power Pup Diesel - Ford New 6.0L part numbers	V1.0.9	2008-01-17

Update Agent
How to install agent

1. Click download link below.
2. Save file to a known location on your computer.
3. Open file and run install wizard.
4. Follow wizard prompts to install agent.
5. To start agent go to Start-All Programs - Startup - The Update Agent

- [Download Agent Instructions](#)
- [Setup Files and Drivers](#)
- [Check Sum Errors](#)

Version History by Product

- [All Current Product Versions](#)
- [Master Downloader](#)
- [Outlook Monitor](#)
- [Power Pup - Dodge Cummins](#)
- [Power Pup - Ford Cummins](#)

Bully Dog Technologies, LLC is a team built on integrity that is dedicated to leading the vehicle performance industry with an uncompromising code of ethics demonstrated in the soundness of its employees, excellent customer service and superior products.

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Downloaders



Intake Systems



Exhaust Systems



See More at: bullydog.com

Doc.# BD44631-99 v1

For a full listing of Diagnostic Trouble Codes go to: www.bullydog.com/DTC.php



BULLY DOG

For Free Technical Support

Call: 866-bullydog (866-285-5936)