



# **BULLY DOG**

**#1 IN PERFORMANCE**

## **INSTALLATION MANUAL**



### **Vehicle Application**

### **Part#**

Torque Dog Dodge Cummins '98.5-'00

42980

Torque Dog Dodge Cummins '01-'02

42002

Torque Dog Dodge Cummins '03-'04

42013





## **TROUBLESHOOTING:**

If you have questions during the installation of this product, please visit [www.bullydog.com/Product\\_Updates.php](http://www.bullydog.com/Product_Updates.php). The latest version of these instructions can be found at the same location. Please review the Troubleshooting section on page 9 before calling technical support to cover most common issues. Technical support is available by calling 866-bullydog (866-285-5936).

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## INTRODUCTION

The Torque Dog Module from Bully dog is a simple to install plug in module. The Torque Dog makes it easy for you to add additional horsepower and even easier to adjust that horsepower on the fly.

*Note: Bully Dog highly recommends that gauges such as pyrometer and boost gauges be installed if towing or hauling heavy loads..*

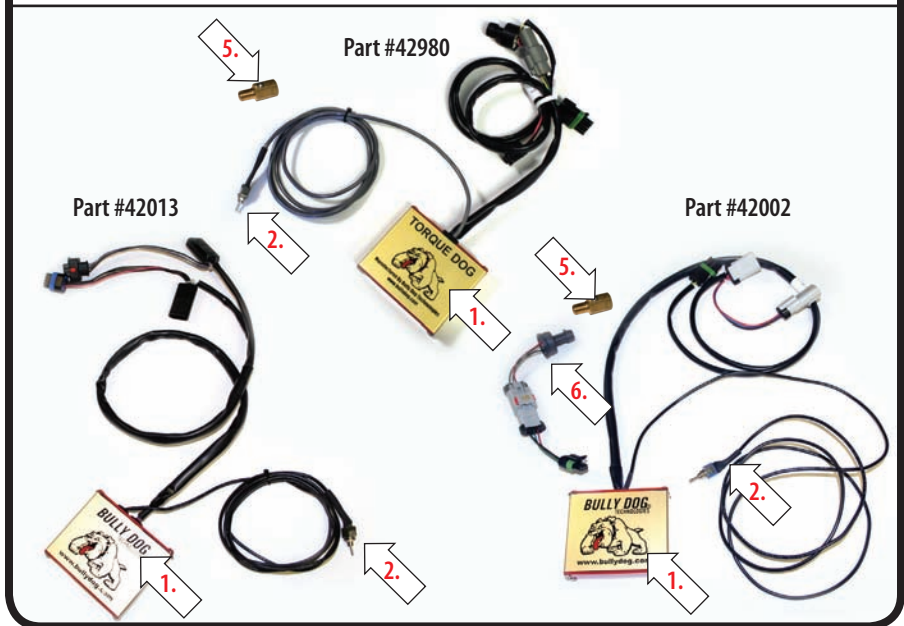
**IMPORTANT:** Performance modules must always be removed before taking the vehicle in for any kind of service as it may interfere with diagnostic tools, and cause the Torque Dog to be erased.

### BILL OF MATERIALS

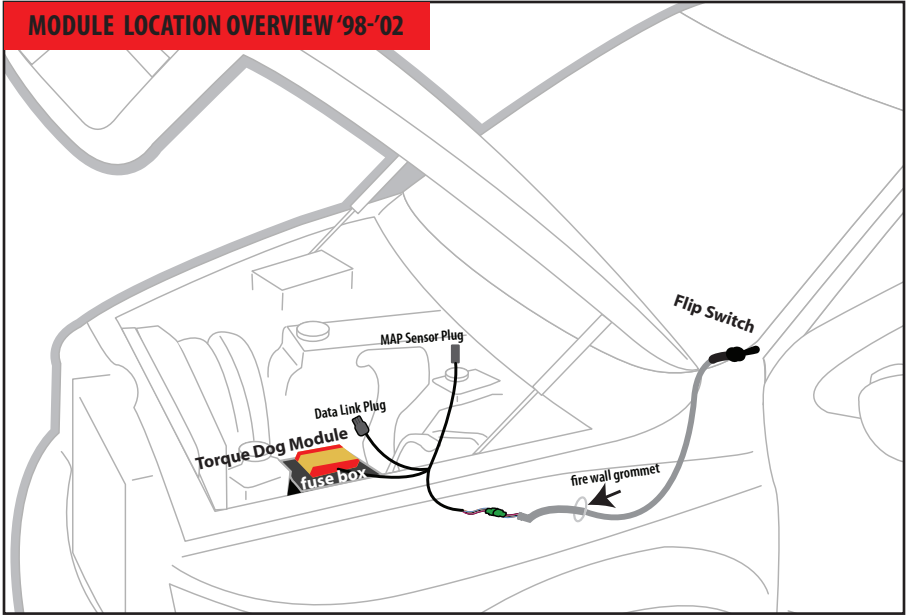
1. Torque Dog Module
2. Flip Switch
3. Zip Ties (not shown)
4. Velcro (not shown)
5. Boost Fitting (if applicable)
6. Adaptor (if applicable)

### TOOLS NEEDED

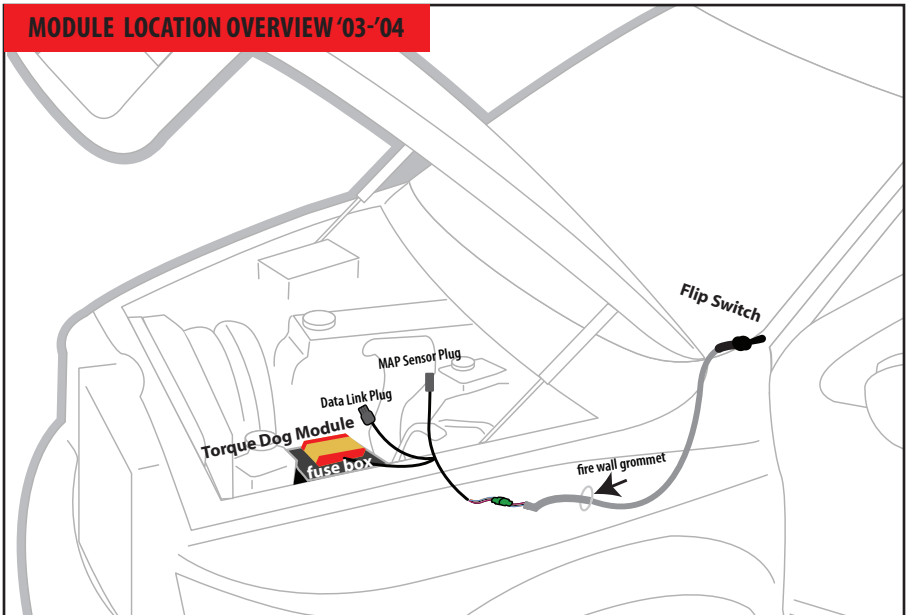
- 1/4" Socket or Wrench (If Applicable)
- 5/16" Socket or Wrench (If Applicable)
- 7/16" Deep Socket or Wrench (If Applicable)
- Socket Wrench (If Applicable)
- Pliers (If Applicable)



## MODULE LOCATION OVERVIEW '98-'02



## MODULE LOCATION OVERVIEW '03-'04



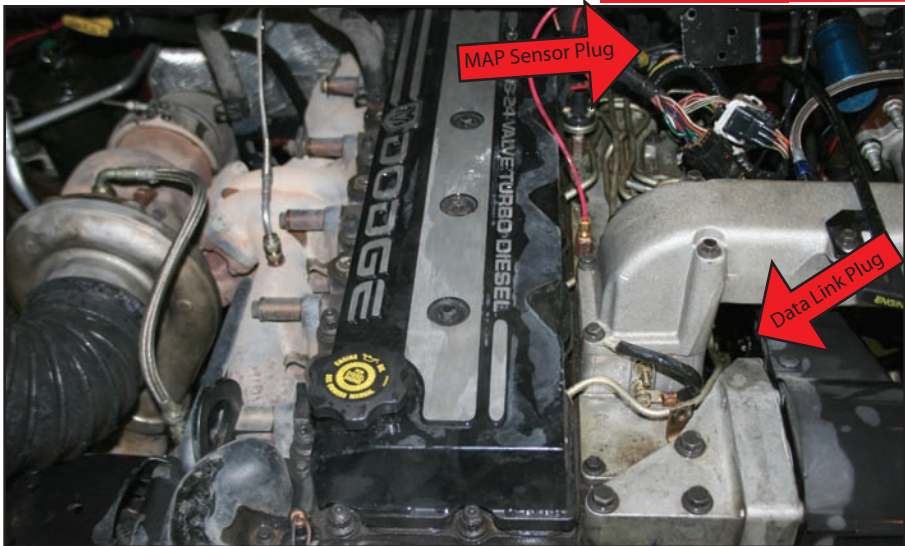
## INSTALLATION OF THE TORQUE DOG ON '98.5-'02 VEHICLES

**IMPORTANT:** The steps on the next two pages are only applicable on '98.5-'02 vehicles. If your vehicle is not '98.5-'02 Dodge Cummins, skip these steps.

In these steps you will connect the Data Link and the MAP Sensor plugs into '98.5-'02 Dodge Cummins trucks.

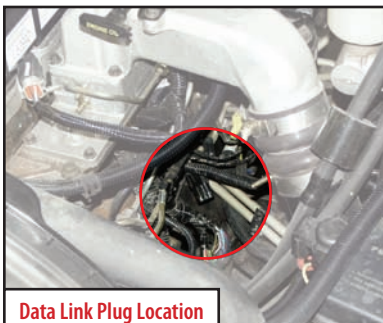


'98-'02 Dodge Torque Dog

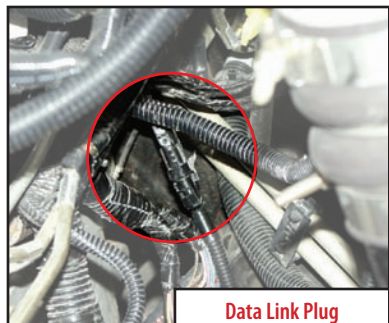


### DATA LINK PLUG:

1. Locate the stock Data Link Plug which is half way down the side of the engine on the driver's side. Remove the stock Data Link plug, which is covered with the retainer, from the stock Data Link Plug. Remove the retainer from the stock Data Link Plug and store in a safe place. You may need to replace it when taking the vehicle in for service.
2. Plug the Bully Dog Data Link Plug (that is attached to the sub harness) into the truck's Data Plug receiver. Press the two plugs together until they snap into place.



Data Link Plug Location

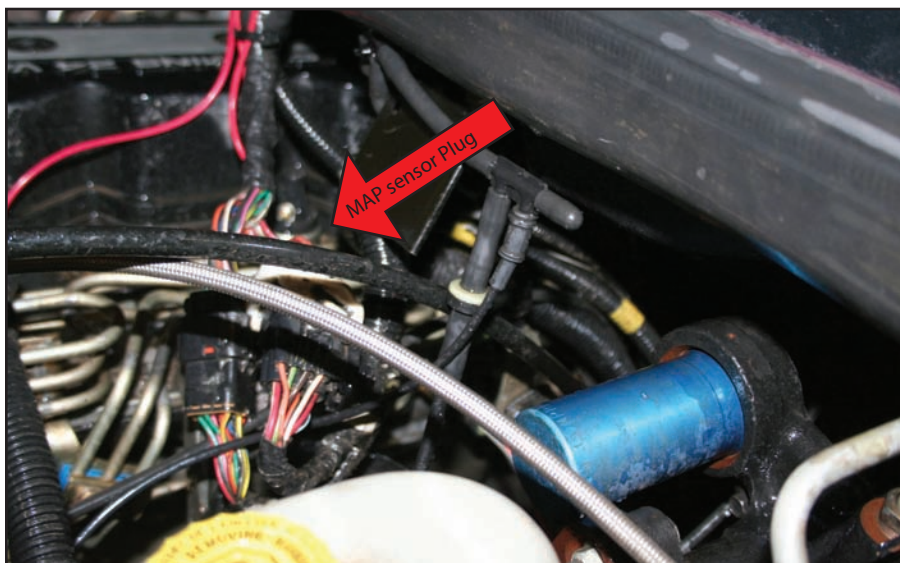


Data Link Plug

# INSTALLATION STEPS

## MAP SENSOR PLUG:

1. Unplug the stock MAP Sensor Plug, located about 7 1/2" from the fire wall on the driver's side of the cylinder head, and plug the Bully Dog MAP Sensor Plug coming off the '98.5-'02 Dodge Sub-Harness into the stock MAP Sensor Plug receiver until they snap together.
2. Plug the stock MAP Sensor Plug into the Bully Dog MAP Sensor Plug receiver on the '98.5-'02 Dodge Sub-Harness until they snap together.



*Note: Supplied with the '98.5-'02 Torque Dog is a boost fitting. You do not need to install the boost fitting, but installing the boost fitting is beneficial for those that are competing in competitions such as sled pulls where building boost pressure is important. These optional steps are not applicable on the '01 5.9L Cummins.*



3. Use a 5/16" socket or wrench and undo the two clamps that hold the air induction hose to the air filter housing and turbo inlet.
4. With a pair of pliers, remove the crimp clamp from the hose on the stock brass fitting located on the front side of the turbo. Remove the hose from the brass fitting.
5. Use a 7/16" wrench to remove the stock brass fitting. Install the Bully Dog brass fitting in place of the stock brass fitting.
6. Reconnect the air induction hose and tighten all of the intercooler hose clamps on the air intake.

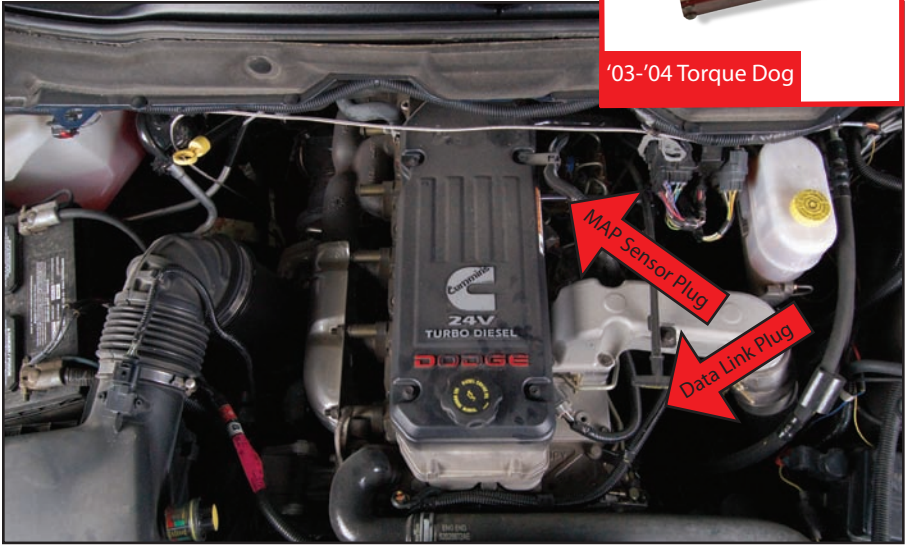
## INSTALLATION OF THE TORQUE DOG ON '03-'04 VEHICLES

**IMPORTANT:** The steps on the next two pages are only applicable on '03-'04 vehicles. If your vehicle is not '03-'04 Dodge Cummins, skip these steps.

In this step you will connect the Data Link and the MAP Sensor plugs to '03-'04 Dodge.

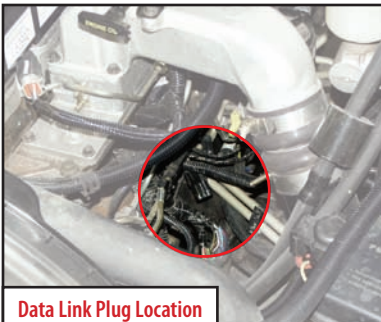


'03-'04 Torque Dog

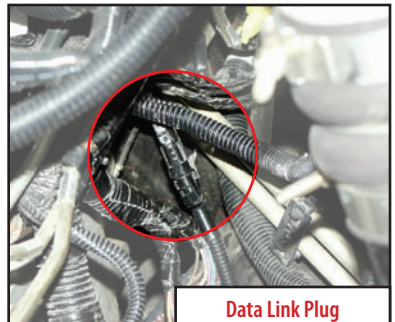


### DATA LINK PLUG:

1. Locate the stock Data Link Plug which is half way down the side of the engine on the driver's side. Remove the stock Data Link Plug, which is covered with the retainer, from the stock Data Link Plug. Remove the retainer from the stock Data Link Plug and store in a safe place. You may need to replace it when taking the vehicle in for service.
2. Plug the Bully Dog Data Link Plug (that is attached to the sub harness) into the truck's Data Plug Receiver. Press the two plugs together until they snap into place.



Data Link Plug Location

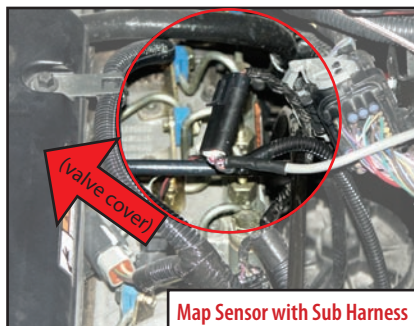
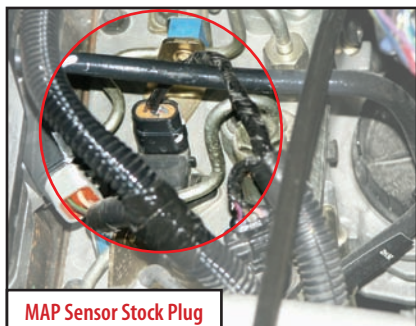


Data Link Plug

## INSTALLATION OF THE TORQUE DOG ON '03-'04 VEHICLES

### MAP SENSOR PLUG:

1. Unplug the stock MAP Sensor Plug, located about 7 1/2" from the fire wall on the driver's side of the valve cover, and plug the Bully Dog MAP Sensor Plug coming off the '03-'05 Dodge Sub-Harness into the stock MAP Sensor Plug receiver until they snap together.
2. Plug the stock MAP Sensor Plug into the Bully Dog MAP Sensor Plug receiver on the '03-'05 Dodge Sub-Harness until they snap together.





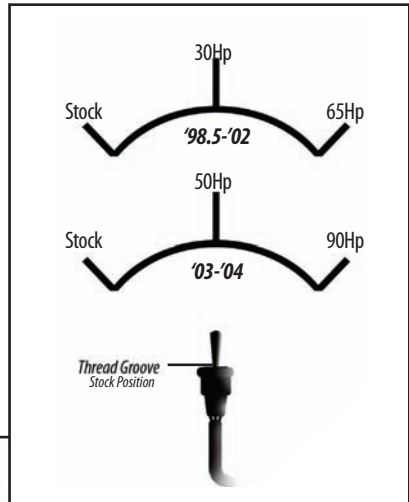
## INSTALLING AND OPERATING THE FLIP SWITCH

1. Connect the flip switch provided to the module via the green connector coming out from the top of the module.
2. Now mount the switch in a location that gives you convenient access to the switch when driving. You may drill a hole in your lower dash for the quickest and cleanest mounting area.



### OPERATING THE IN-CAB SWITCH:

*This module comes with a flip switch which allows for on the fly power adjustments. This means that the module can be adjusted between the power levels under any driving conditions. The diagram to the right illustrates where the different power levels are located on the switch. Toward the thread groove is the stock power position.*



## MODULE TROUBLESHOOTING

CONDITION	POSSIBLE SOURCES	ACTION
Truck not starting	Connection	Make sure the connectors are plugged in securely. Push the connectors all the way in before pushing the latch up if it is not installed that way the latch could break. If the connectors are not tight make sure the middle red part of the connector is pushed in securely, otherwise it could fall out of place and cause problems in hooking up the connector. If the connectors are not plugged in securely, the truck will not start. Make sure that none of the pins are bent inside the connector.
More black smoke	Programming	To reduce black smoke, set the module at a lower horsepower level.
Feeling no power	Connection	Push the connectors all the way in before pushing the latch up. If not installed correctly the latch could break. If the connectors are not tight make sure that the middle part of the connector is pushed in securely. It could fall out of place and cause problems in hooking up the connector.
Check Engine Light.	Programming	The service engine light could come on at the higher horsepower setting. This is generally because the ECU is seeing an over boost. The over boost is not causing any damage.

For more information on an up-to-date troubleshooting guide, please visit:  
[www.bullydog.com/Product\\_Updates.php](http://www.bullydog.com/Product_Updates.php)

## WARRANTY & DISCLAIMER

### REMEMBER, THIS IS A PERFORMANCE PRODUCT, USE AT YOUR OWN RISK.

*This product is not intended to be used to break the law.*

Do not use this product until you have carefully read the following agreement. This agreement 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 the terms and conditions. Never exceed recommended vehicle or tire top speed ratings.

### DISCLAIMER OF LIABILITY

Bully Dog Technologies, LLC. Its distributors, jobbers, and dealers (hereafter Seller) shall be in no way responsible for the product's proper use and service. THE BUYER HERBY WAIVES ALL LIABILITY CLAIMS.

The Buyer acknowledges that he is not relying on the Sellers skill or judgment to select or furnish goods suitable for any particular purpose and that there are no liabilities which extend beyond the description on the face hereof, and the Buyers hereby waives all remedies or liabilities expressed or implied, arising by law or otherwise, (including without any obligation of the Seller with respect fitness, merchantability and consequential damages) or whether or not occasioned by the Seller's negligence.

The Seller disclaims any warranty and expressly disclaims any liability for personal injury or damages. The Buyer acknowledges and agrees that the disclaimer of any liability for personal injury is a material term for this agreement and the Buyer agrees to indemnify the Seller and to hold the Seller harmless from any claim related to the item of the equipment purchased. Under no circumstances will the Seller be liable for any damages or expenses by reason of use or sale of any such equipment.

The Seller assumes no liability regarding the improper installation or misapplication of its products. It is the installer's responsibility to check for proper installation and if in doubt contact the manufacturer.

The Buyer is solely responsible for all warranty issues from the manufacturer.

### LIMITATION OF WARRANTY

BULLY DOG TECHNOLOGIES, LLC. (Hereafter "Seller") gives Limited Warranty as to description, quality, merchantability, and fitness for any particular purpose, productiveness, or any other matter of Seller's product sold herewith. The Seller shall be in no way responsible for the products proper use and service and the Buyer hereby waives all rights other than those expressly written herein. This warranty shall not be extended, altered or varied except be a written instrument signed by Seller and Buyer.

The Warranty is Limited to one (1) year from the date of sale and limited solely to the parts contained within the products kit. All products that are in question of Warranty must be returned prepaid to the Seller and must be accompanied by a dated proof of purchase receipt. All Warranty claims are subject to approval by BULLY DOG TECHNOLOGIES, LLC.

Under no circumstances will the Seller be liable for any labor charged or travel time incurred in diagnosis for defects, removal, or reinstallation of this product or any other contingent expenses.

Under no circumstances will the Seller be liable for any damage or expenses incurred by reason of the use or sale of any such equipment.

IN THE EVENT THAT THE BUYER DOES NOT AGREE WITH THIS AGREEMENT: THE BUYER MAY PROMPTLY RETURN THIS PRODUCT, IN A NEW AND UNUSED CONDITION, WITH A DATED PROOF OF PURCHASE TO THE PLACE OF PURCHASE WITHIN TEN (10) DAYS FROM DATE OF PURCHASE FOR A FULL REFUND.

THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS ITS TERMS AND CONDITIONS.

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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