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New version allows for optional control switch. See page 4 for details.

Throttle Sensitivity Booster

Apps Booster	Vehicle / Year
1057730 (Manual trans only)	1998.5-2003 Dodge Cummins
DO NOT INSTALL THE 1057730 KIT ON A VEHICLE EQUIPPED WITH AN AUTOMATIC TRANSMISSION AS TRANSMISSION DAMAGE MAY OCCUR.	
1057731	2005-2006 Dodge Cummins
1057732	2007-2017 Dodge Cummins 2011-2017 Ford Powerstroke
1057734	2005-2010 Ford Powerstroke
1057735	2001-2005 GMC Duramax
1057736	2006-2007 GMC Duramax
1057737	2008-2017 GMC Duramax
1057738	2004-2017 GMC Canyon/Colorado

KIT CONTENTS:

Please check to make sure that you have all the parts listed in this kit.

105773X Kit Contents	
1301196	**1300131**
Apps Booster Module	Tie Wrap (Medium)
Qty: 1	**Qty: 6**

1057730 Kit Contents	*1057731 Kit Contents*
1331190-1	**1331191-1**
1998.5-03 Dodge APPS Harness	*2005-06 Dodge APPS Harness*
Qty: 1	**Qty: 1**

1057732 Kit Contents	*1057734 Kit Contents*	*1057735 Kit Contents*
1331192-1	**1331194-1**	**1331195-1**
2007-16 Dodge 2011-16 Ford APPS Harness	*2005-10 Ford APPS harness*	*2001-05 GMC APPS Harness*
Qty: 1	**Qty: 1**	**Qty: 1**

1057736 Kit Contents	*1057737 Kit Contents*	*1057738 Kit Contents*
1331196-1	**1331197-1**	**1331198-1**
2006-07 GMC APPS Harness	*2008-16 GMC APPS Harness*	*2004-17 GMC/Chrysler APPS Harness*
Qty: 1	**Qty: 1**	**Qty: 1**

BD Engine Brake Inc.
Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2
U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295   U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295
Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com

Introduction

Modern vehicles utilize an accelerator pedal position sensor to control engine fueling. Many of these vehicles respond slowly and have poor throttle sensitivity. Much of this is actually caused by the factory programming within the ECM. The BD Throttle Sensitivity Booster corrects this by making the pedal more sensitive and making the vehicle more responsive.

The module can be set to a low or high increase in sensitivity depending on driver preference. This is especially effective on stock trucks.

Optional Switch – BD Kit 1057705

The optional add on switch kit allows you to add an external button to your Throttle Sensitivity module. This allows you to change sensitivity levels with the touch of a button. In addition, it adds one more sensitivity level and a valet mode not normally available with the module alone.

Compatible only with kits: 1057731, 1057732, 1057736, 1057737, 1057738.

Not compatible with: 1057730, 1057734, 1057735.

INSTALLATION

1. To avoid setting possible fault codes, disconnect vehicle batteries before proceeding.

2. Locate vehicle accelerator pedal position sensor and disconnect wiring harness.
   a. On 1998-2003 Dodge trucks, this sensor is located under a plastic cover below the intake elbow on the driver's side of the engine. The sensors connector faces downward.

   b. On all other vehicles, the sensor is built into the top of the accelerator pedal below the dashboard.
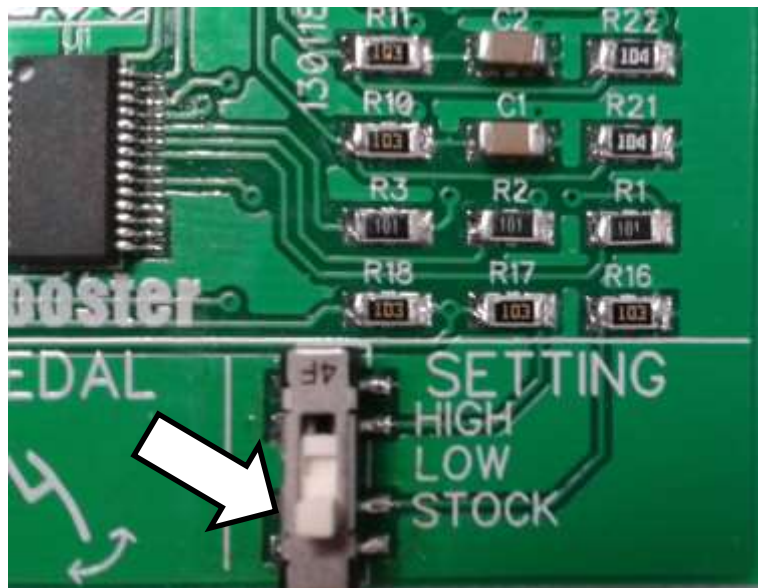
3. Connect supplied wiring harness to the sensor and connect the other end to the factory wiring harness. Secure harness with zip ties so that it does not interfere with pedal operation. Removal of the knee bolster may ease installation.

4. Before mounting the module, open the module by inserting a screwdriver to depress the tabs and slide the PCB from the enclosure.

5. Connect circuit board to the wiring harness and keep away from metal objects that might cause a short circuit. Ensure the sensitivity "**SETTING**" switch is set to the default position of "**STOCK**".

6. Reconnect vehicle batteries.

7. Turn ignition switch on. The STATUS indicator should be flashing and the LEVEL indicator should be off. Press and release the "**LEARN PEDAL**" button on the module. The **STATUS** and **LEVEL** indicator lights will both illuminate.

Slowly depress and release the throttle pedal a few times within 15 seconds. This will allow the module to learn your specific accelerator pedal sensor output. Make sure the pedal travel is not impeded by a floor mat. Once complete, the STATUS indicator should go back to flashing, and the LEVEL indicator should turn off. Turn the ignition switch back off the module is now learned to your APP sensor and will retain this in its memory.

Note: If throttle pedal is replaced the module should be relearned to the new pedal.

8. Set the throttle pedal sensitivity boost as desired using the "**SETTING**" switch on the circuit board. Once the SETTING switch is moved, the level indicator will flash according to the setting selected.

STOCK	No change to throttle pedal outputs. Same as stock.
LOW	Medium increase in sensitivity. 50% Boost.
HIGH	High increase in sensitivity. 100% Boost.

Note: If the optional push button switch is plugged in, it overrides this switch.

9. Insert module back into enclosure and secure below the dashboard or in the engine bay for 1998-2003 Dodge trucks.

10. Check for correct operation and check for fault codes. Installation is now complete.
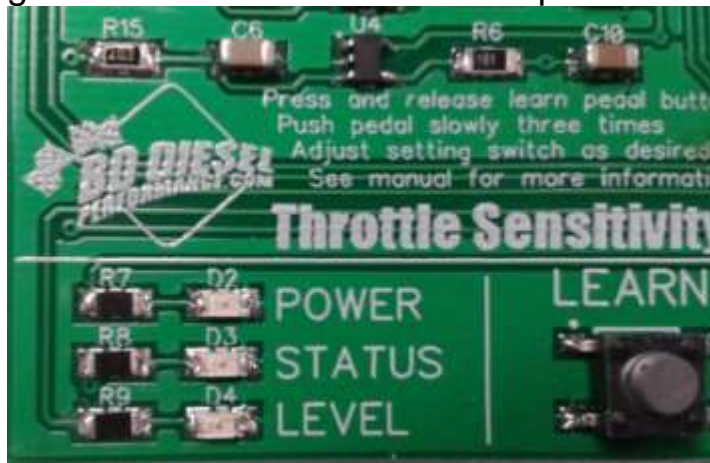
Troubleshooting

POWER LED – Lit whenever the module has power. (Key on).
STATUS LED – Flashes when it detects APPS circuits 1 and 2 are over zero volts.
LEVEL LED – This is the sensitivity level. Stays off when set to **STOCK**.
      Note: All three lights will be lit for the 15 second pedal learn process.

Vehicle Sets Codes for Multiple APPS circuits	Check that the module is powered by removing the cover and checking for the POWER lamp. This should be lit whenever the ignition is on (and may remain powered after the ignition has been turned off for a short time on late model trucks). Check the STATUS lamp is flashing; this will flash to indicate the module has detected the accelerator pedal sensor.
	If the Throttle Sensitivity Booster is being used before the module is correctly learned to a pedal it may set codes. If in doubt, relearn the module to the pedal. Refer to installation step 7 for details.
	Ensure the connectors are fully seated. Some connectors are harder to mate together than others, ensure they do not come apart if tugged on. (Kit 1057731 in particular).
Sensitivity Setting has no Effect	If the module detects a failure in the APPS pedal it will not boost the sensitivity for safety. Check for an APPS fault code.
	Verify that the **SETTING** switch on the circuit board is set to **LOW** or **HIGH** for sensitivity boosting.
	If the module has not been properly learned for the pedal it will not boost sensitivity. Refer to installation step 7 for instruction on learning the module to your APPS pedal.

If you have any technical difficulties, concerns, comments, please phone our Technical Support hotline at (800) 887-5030 between 8:30am-5:00pm PST (Pacific Standard Time) Monday to Friday.