



Econo-Boost Module

P/N# 1058100

**C10/C12 Non-Acert 1998-2004 (CAT)
C11/C13 Acert 2004-2007 (CAT)
C15 Acert Non-DPF 2004-07 (CAT)
3406E / C15 / C16- Non Acert 1998-2004 (CAT)**

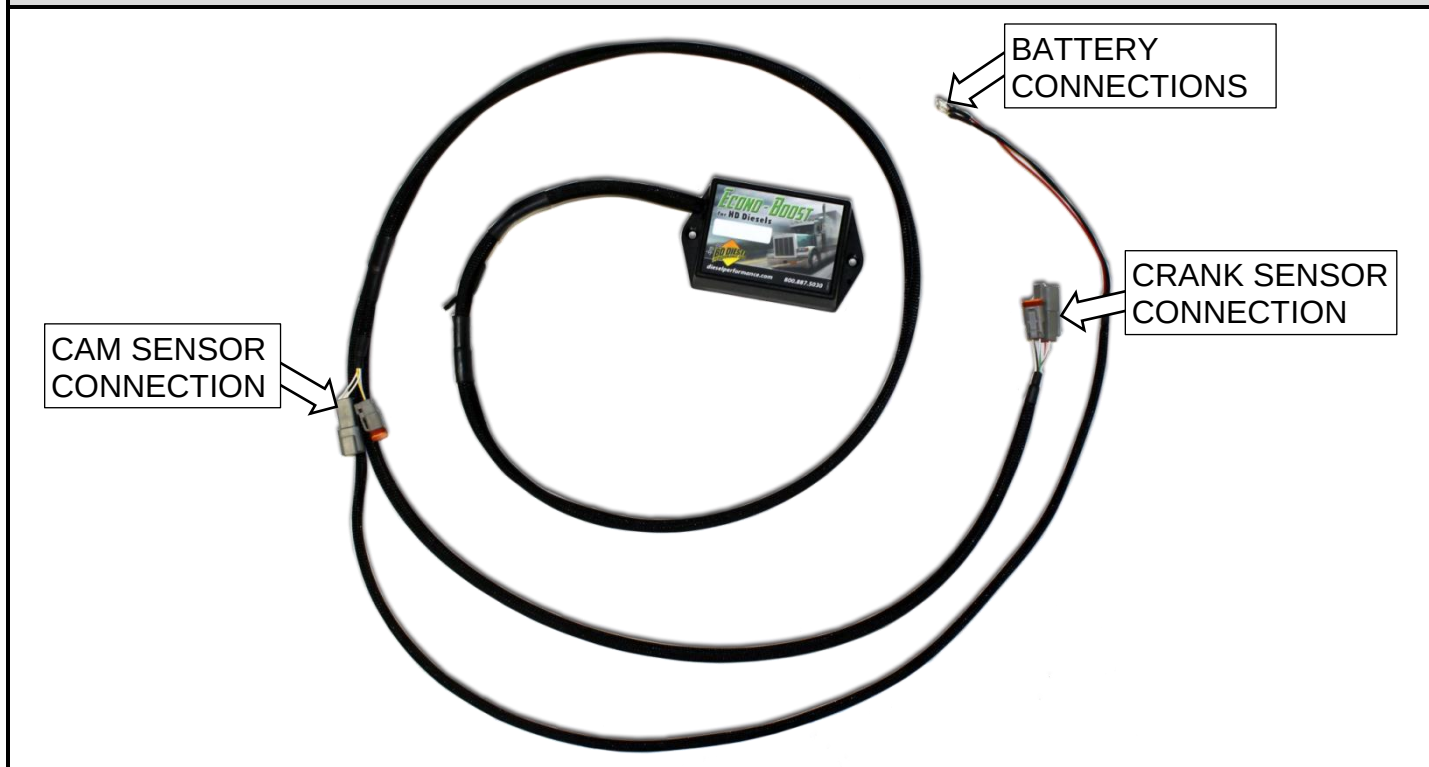
PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLATION

K I T C O N T E N T S :

Please check to make sure that you have all the parts listed in this kit **before** you start the disassembly of your truck.

1058100 Kit Contents

1508100



Module

Qty: 1

1607009	1300131	31880
		
#8 x 3/4" Self Threading	Cable Tie (Medium)	Dielectric Grease
Qty: 2	Qty: 8	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

INSTALLATION

VEHICLE SHOULD BE SAFELY SECURED BEFORE INSTALLATION.

Before installing this module ensure you have the correct engine for the module. This module will only work on the below applications,

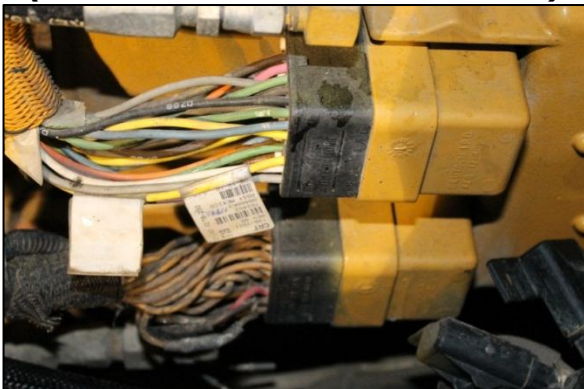
- C10/C12 Non-Acert 1998-2004 (70 pin ECM)
- C11/C13 Acert 2004-2007 (70 pin ECM)
- C15 Acert Non DPF 2004-2007 (70 pin ECM)
- 3406E, C15, C16 Non ACERT 1998-2004 (70 pin ECM)
- Must have 2 wire CAM/CRANKSENSOR

The easiest method is to check the ECM. ***If you have an ECM with 40/80 pins this module will not work. An additional check is that the CAM/CRANK sensors must be 2 wire styles, not three.***

2 WIRE CONNECTOR
(MODULE WILL WORK)



80 PIN ECM
(DO NOT USE WITH MODULE)



3 WIRE CAM CONNECTOR
(DO NOT USE WITH MODULE)



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1. Secure vehicle, and ensure the vehicle is powered off.
2. You will need access to the vehicle batteries. So remove any covers, steps etc...
3. Clean battery terminals and **secure positive and negative connections to the battery**. The module works with *12V systems only*.
4. Route harness along chassis towards the engine. Keep harness away from any moving parts or heat sources.
5. Secure module enclosure on firewall of vehicle. Keep away from any moving parts or heat sources.
6. Route the two extension leads towards the front of the engine.
 - a. The shorter wire lead is the CAM sensor. The CAM sensor is typically found on the driver's side of the engine near the front. Generally by the Air Compressor/front gear cover. Use a small amount of dielectric grease inside the connectors, disconnect the factory CAM sensor connection and connect the econo boost pigtailed connectors inline.
 - b. The longer wire lead is the CRANK sensor. The CRANK sensor is typically found on the very front of the motor near the crankshaft or harmonic balancer. Use a small amount of dielectric grease inside the connectors disconnect the factory CRANK sensor connection and connect the econo boost pigtailed connectors inline.
7. Secure any loose wires and the installation is complete.

CAM/CRANK SENSOR CONNECTORS

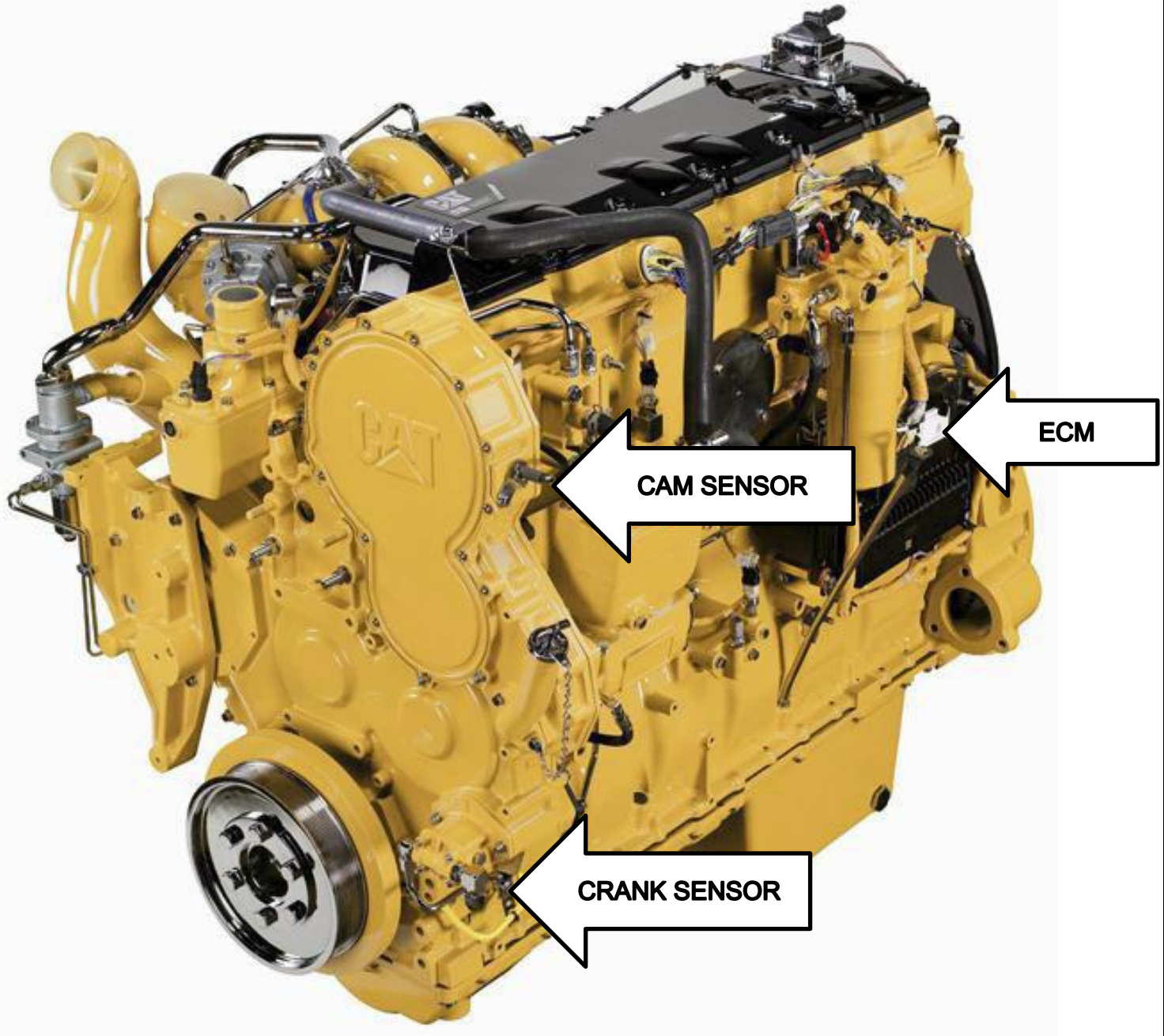


BD ENGINE BRAKE, INC.

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General Locations for CAT 3406E / C10 / C12 / C15 / C18

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Diagnostics or Trouble Shooting

1. The most likely error would be a timing issue, which would set a check engine light. If you experience this, check all connections and make sure all connections are tight. Dielectric grease inside of the connectors is always recommended.
 2. Next step would be to check the battery connections, specially the ground connection. Ensure that the connection is absolutely clean.
- The unit is completely failsafe, if for any reason the module creates a problem (codes, limp....). Just remove the fuse and the module will revert everything to stock. All signals will be transferred through the box and not altered. You do not have to remove the module.



Visit our Internet forums at <http://www.dieselpower.com> and share your comments or technical support questions with some of the industry's leading experts in the diesel field.

If you have any technical difficulties, concerns, comments, or complaints, please phone our Technical Support hotline at (800) 887-5030 between 8:30am-5:00pm PST (Pacific Standard Time) Monday to Friday, or post a message on the BD Discussion Forums located at:

<http://forum.bd-power.com/>

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