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PMD DRIVER RELOCATION KIT

For 1994-2000 Chevy 6.5L Diesel Trucks

Part# 1036520

-- Installation Instructions --

PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLATION.

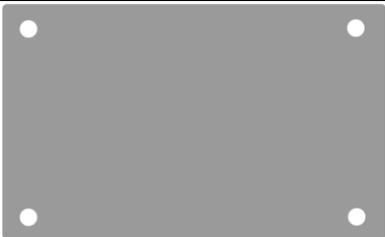
BD Engine Brake Inc.

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

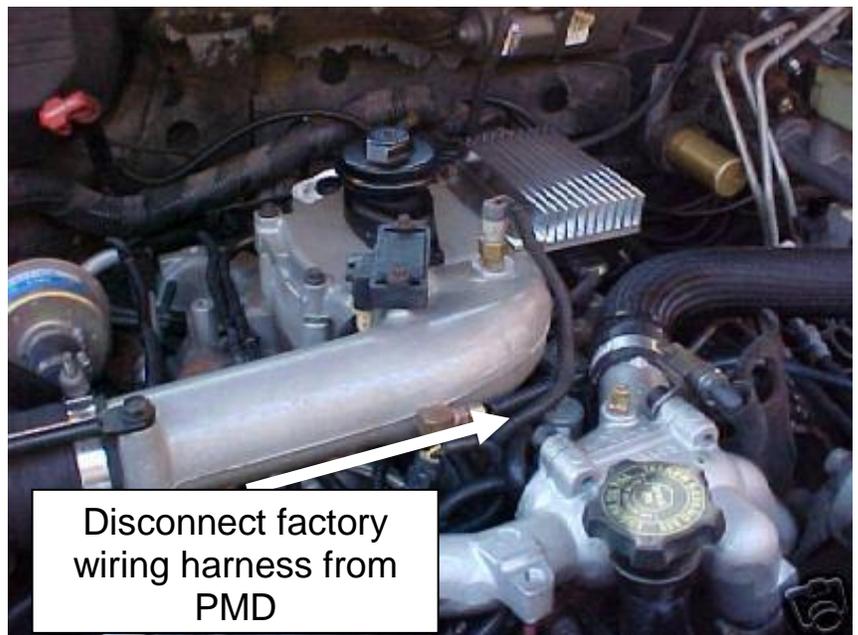
Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com

Kit Contents

BD P/N# 1036520 - PMD Cooler Kit		
1306510	1306512	1306514
		
<i>PMD Heat Sink</i>	<i>Heat Sink Mount Bolt</i>	<i>Allen Head Bolt</i>
Qty: 1	Qty: 2	Qty: 4
1401556	30598	
		We do not include a resistor in this kit due to the new stanadyne PMD and the new style resistor.
<i>Heat Sink Mounting Washer</i>	<i>Heat Transfer Pad</i>	
Qty: 2	Qty: 1	

Installation

1. Remove the plastic engine cover by removing the four bolts on either side of the cover.
2. On the driver's side, remove the two bolts connecting the upper and lower intake manifold.
3. On the driver's side, disconnect the PMD wiring harness from the injection pump mounted PMD. Disengage the locking



device of the connector, and then push it off. Pull up the wiring harness connector. For extended reach you can slice the outer loom to allow a little more wiring harness length.

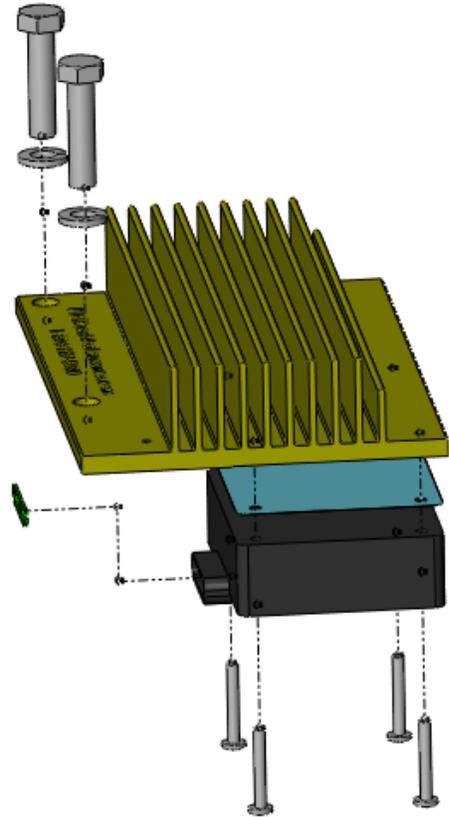
4. Install the PMD driver to the aluminum heat sink. The heat transfer pad should be mounted between the PMD and the heat sink. Insert the four Allen head screws and torque the PMD driver to the aluminum plate to **23 lbs-in**.
5. If you are installing a new PMD you must install the resistor that you ordered with the PMD. If you are re-installing the old PMD from the pump the existing resistor will still be in place.

Note if you are using a Dtech PMD you can use the resistor from the old Stanadyne PMD.

Please see the Stanadyne bulletin at the end of the instructions for more information.

6. Connect the PMD wiring harness connector to the new PMD.
7. Mount the PMD Cooler to the intake manifold. Use the bolts supplied (13mm) and tighten to **17 lbs-ft**.
8. We recommend that the plastic cover not be re-installed as it will not fit without modification. The removal of the cover actually improves the cooling of the upper part of the engine and also makes the fuel filter more accessible for service.

If you still wish to put the cover back on, it will have to be modified to fit by cutting.



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STANADYNE®

PARTS BULLETIN

DATE: April 1, 2009

NO: 226R1

SUPERSEDES: P.B. 226 dated 6/30/99 and P.B. 248R2 dated 3/26/06

SUBJECT: NEW PUMP MOUNTED DRIVER (PMD) AND WIRING HARNESS FOR DS PUMP MODELS



A new pump mounted driver (P/N 39405) and wiring harness (P/N 39439) have been released for all DS pump models. The new PMD and harness incorporate many technological enhancements that have increased the PMD's overall performance and durability, including:

- Gold plated electrical connection pins and wiring harness connector terminals to improve conductivity and help to reduce corrosion fretting (Figure 1).



- The shape of the PMD connector, wiring harness terminal and calibration resistor were changed (Figure 2) to prevent intermixing of "plated" and "non-plated" components (dissimilar metals).



- The PMD and its associated wiring harness connector have both been colored "Grey" for ease of identification.

Stanadyne Corporation

92 Deerfield Road, Windsor, CT 06095, U.S.A. Tel: (860) 525-0821; Fax: (860) 683-4581; www.stanadyne.com

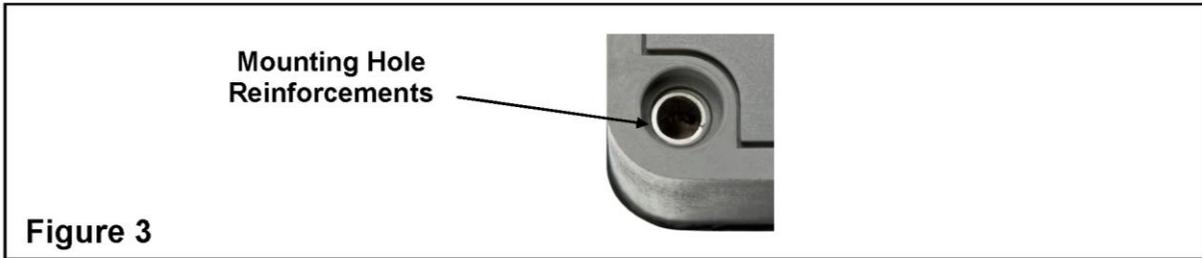
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- Re-enforced mounting holes eliminate internal circuit board deformation during installation and improve mounting torque retention (Figure 3).



- Many of the electrical components were changed for sustained operation at elevated temperatures.
- A softer potting material improves protection of circuit board from distortion during repeated thermal cycles.
- Power Transistor mounting nuts are treated with a thread locking compound, which maintains torque retention and ensures efficient heat transfer.

Service

The 39405 PMD is not available separately, but is packaged together with a wiring harness and associated mounting hardware in the P/N 35976 PMD and Harness Kit which includes the following (Figure 4):



The 39405 PMD supersedes all previous versions of pump mounted drivers. This is considered a running change where existing stocks of the 35976 PMD and Wiring

Harness kits packaged with a “Black” 34583 PMD should be depleted prior to using those kits packaged with the “Grey” 39405 PMD.

Calibration Resistors

The table below identifies the calibration resistors for each PMD connector design.



Identification Number	Current (Use in PMD, P/N 39405)	Previous (Use in PMD, P/N 34583)
1	39859	30892
2	39860	30893
3	39861	30894
4	39862	30895
5	39863	30896
6	39864	30897
7	39865	30898
8	39866	30899
9	39867	30900

**Technical Support Group
Product Support Department**

<u>Revision</u>	<u>Date</u>	<u>Change</u>
1	04/09	New Part Numbers and resistor information added.