

## **DIFFERENTIAL COVER KIT**

***2001-13 Duramax 2500/3500 AAM 11.5"***

***2001-07 GM (gas) V8-8.1 AAM 11.5"***

***2003-14 Dodge 2500/3500 AAM 11.5"***

**Part #: 1061825**

**PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLATION**

BD Engine Brake Inc.

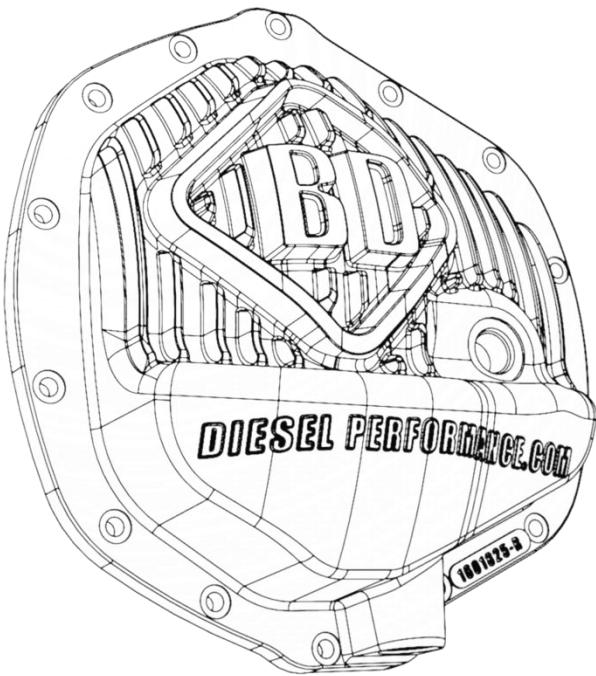
Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

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](http://www.bd-power.com)

## 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.

1601825	1601831
	
<b>Differential cover</b>	<b>Oring Gasket</b>
<b>QTY: 1</b>	<b>Qty: 1</b>
<b>1601611</b>	<b>1601512</b>
	
<b>Bolt M8-1.25 X 35mm</b>	<b>Washer 5/16''</b>
<b>Qty: 14</b>	<b>Qty: 14</b>
<b>1601613</b>	<b>1401557</b>
	
<b>Drain Plug 3/4-16</b>	<b>Plug -10 ORB</b>
<b>Qty: 1</b>	<b>QTY: 1</b>

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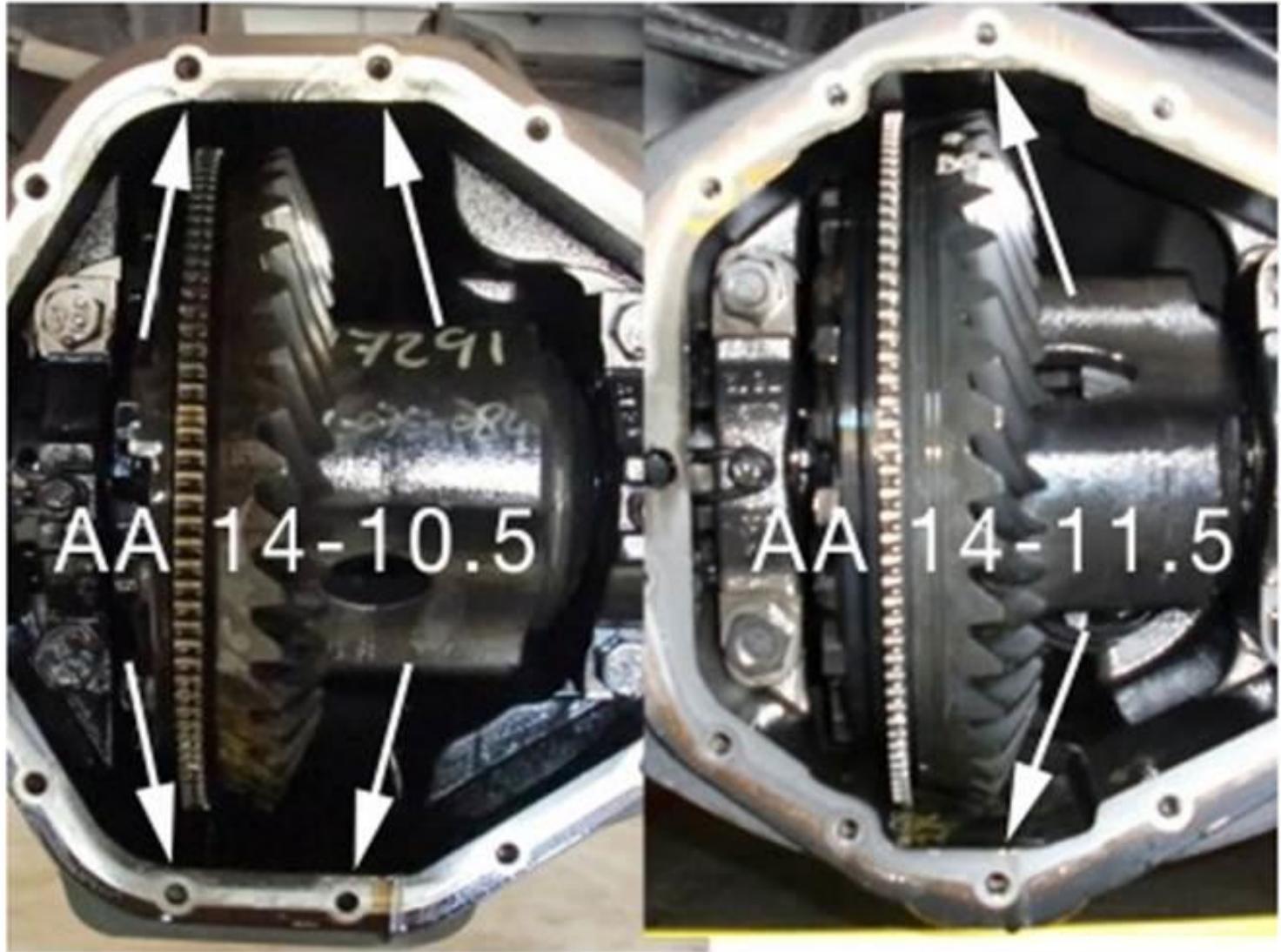
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**Special Note**

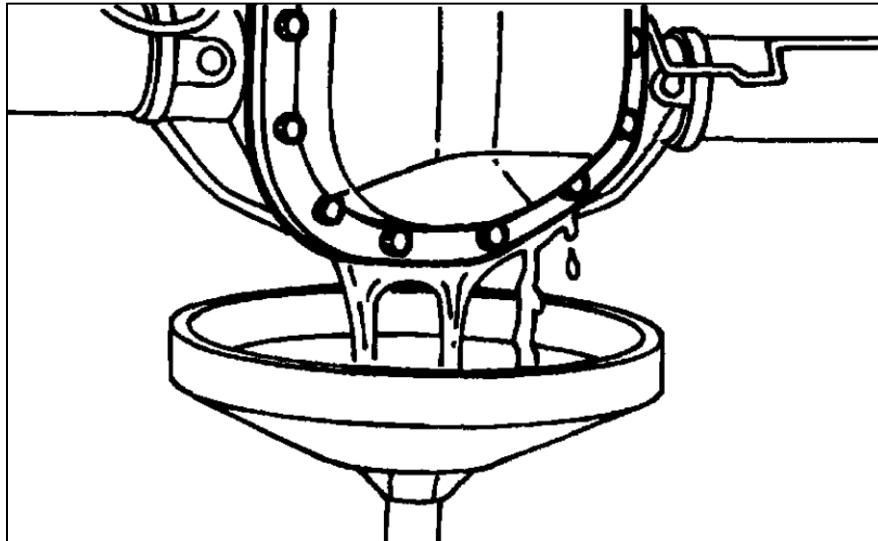
In 2003 Dodge released a Standard Output Diesel with an AAM 10.5" axle. The 1016825 **does not** fit this application.



## Removal

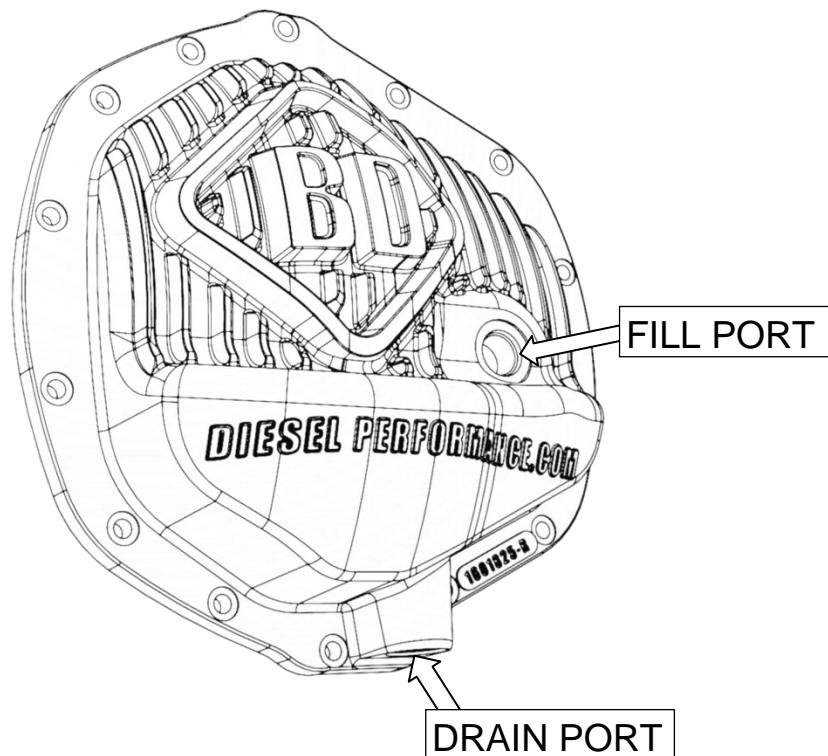


Ensure the vehicle is secure on a hoist or using wheel chocks to prevent rolling and apply the parking brake. Do not install this cover on ground that is not level. Ensure differential fluid is cool before starting this removal/ installation procedure. Removal of the spare tire may provide better access.



1. Place a drain pan under the differential.
2. Using a 1/2" socket remove all bolts starting at the bottom. Do not remove the **top bolt**.
3. Loosen the top bolt half way, this will prevent the cover from falling once you pry the cover from the housing (ensure not to damage the housing when scraping off the silicone gasket from the differential housing).
4. Once the cover is free remove top bolt / cover and clean the gasket surface.

## Installation



1. Install the drain plug into the BD diff cover. Do not overtighten.
2. Apply a thin layer of oil to the supplied oring gasket then install into the gasket groove on the BD diff cover, use care not to twist or roll the oring when placing into the groove to ensure a good seal.
3. Check differential housing gasket surface for irregularities and remove high spots if required. Surface must be flat and clean.
4. Using the supplied bolts and washers fasten the BD diff cover to the housing and tighten finger tight starting from the top.
5. Once all bolts are finger tight you can torque to 24ft/lbs in a crisscross pattern.
6. Fill differential with manufacturer specified gear oil / amount. Then insert the supplied filler plug (1401557) do not overtighten. Installation is complete.

**NOTE:** After 50 kms (31 miles) of driving re-torque bolts to specification.

Thank you for purchasing BD product 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.