




BD ALLISON HD TRANSMISSION PAN **For GMC/Chevrolet Duramax Diesels**

Part# 1061600

Installation Instructions

Please read all instructions before installation of this product.

<i>Kit Contents</i>		
1601600	1200208	1601613
Transmission Oil Pan	Temp Sensor Port Plug	Magnetic Drain Plug
		
Qty: 1	Qty: 1	Qty: 1
1601610	1601711	1601512
Pan O-Ring	Bolt (8mm x 25mm)	Flat Washer
		
Qty: 1	Qty: 13	Qty: 13
1601615		
Filter Support Bracket		
		
Qty: 1		

Available Separately:

1601614
Deep Pan Filter Support Bracket

<i>For use with deep pan filters</i>

Tools & Equipment Required

- 12 Quarts of Automatic Transmission Fluid
- 1 Can “Brake Clean” or equivalent
- 3/8” Drive Torque Wrench
- 3/8” Drive Ratchet
- 3/8” Drive 6” Extension
- 3/8” Drive 13mm & 15mm Socket
- 3/8” Drive 5/16” & 7/16” Socket
- 3/8” Drive 6mm & 8mm Allen Driver
- 3/8” Drive Torque Wrench (capable of reading low settings [10 lbs-ft])

Torque Specs

Pan Bolts	15 lbs-ft		Pan Drain Plug	20 lbs-ft
Sensor Plug	12-15 lbs-ft		V/B Bolt	10 lbs-ft

IMPORTANT NOTE

There are 2 different transmission filter part numbers for the Allison 1000 series transmissions.

- Small Pan uses filter # **29537965**
- Deep Pan uses filter # **29537966**

If you have the deep pan you will need a bracket part # 1601614 for your installation. This is available for purchase from BD. On the flip side you can order the small pan filter from Allison to work with this kit.



On the Allison Transmission there is a chance of having two different pans. Here is a closer look at both. The smaller one on the right hand side is the most widely used.

The filter bracket included in this kit is engineered to fit the small filter.

BD Engine Brake Inc.

Plant Address: Unit A10, 33733 King Rd, Abbotsford, BC, Canada V2S 7M9

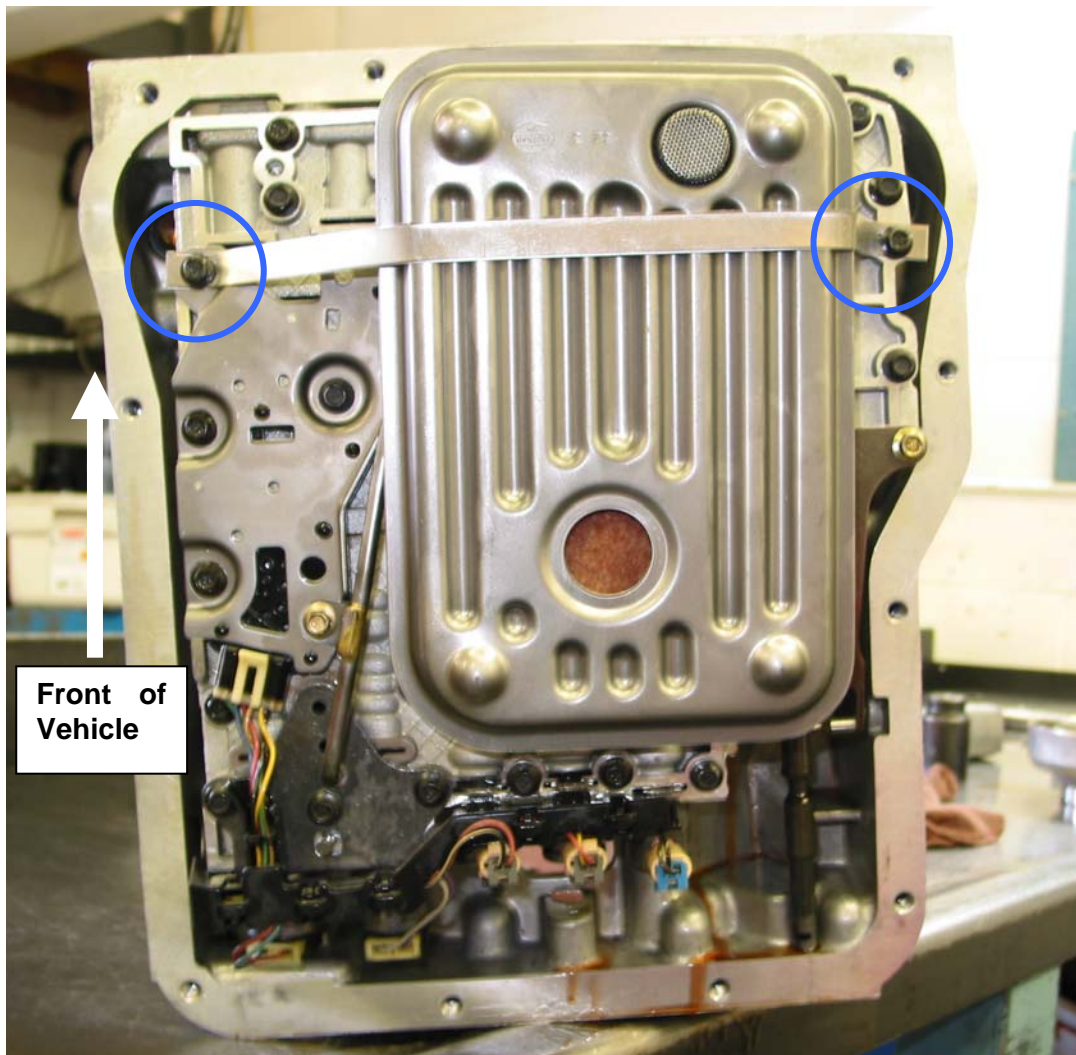
U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

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

NOTE: Please use a torque wrench when installing any transmission component.

INSTALLATION:

- Park the vehicle on flat and level ground with the park brake applied and the transmission in park.
- Drain the transmission pan of any existing fluid and remove the 12 existing bolts that secure the pan to the transmission case.
- Remove the pan slowly. If the pan is stuck to the case, tap the side of the pan lightly with a soft-faced mallet until it breaks free.
- Carefully pull the pan off of the transmission. Inspect the magnet that is in the bed of the pan for any excess material (dust type material is normal). If any debris found looks abnormal, consult with a transmission professional for diagnostics.



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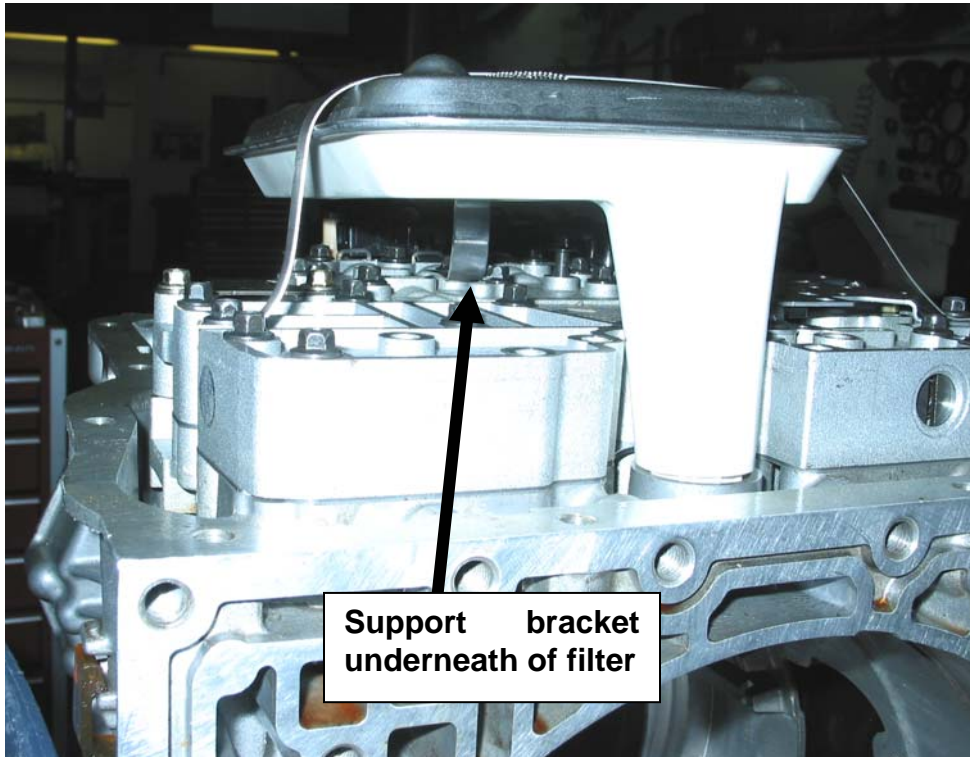
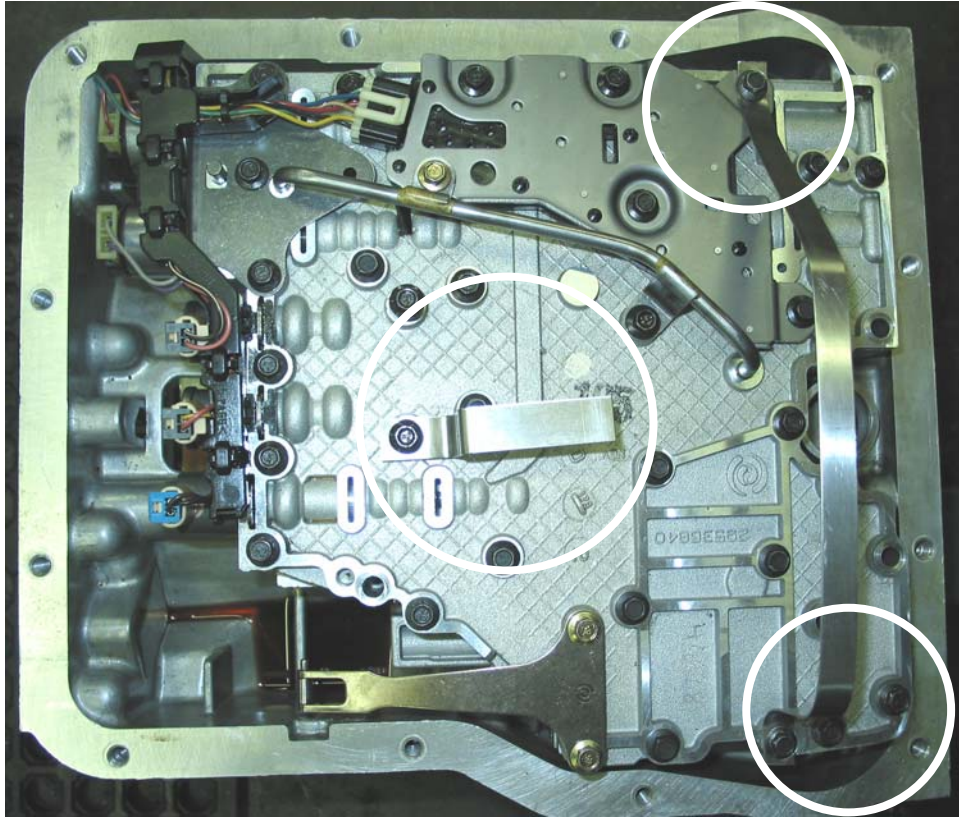
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- Remove the two bolts as shown in the picture. Attach the stainless strap over the top of the filter so that it secures the filter snout in place. Tighten this bolt to **10 lbs-ft.**
- When the new pan is removed from the packing box, it is advisable to clean the inside of the pan with “Brake Clean” or an equivalent cleaner to ensure any unwanted residue is removed from the inside of the pan.
- Line up the pan with the boltholes in the case and install two 8mm x 25mm pan bolts with washers on either side of the pan to hold it in position.
- While the pan is still loose, install the remaining ten bolts and washers until they are hand tight. Snug up the first two bolts that were installed in the previous step.
- Torque all pan bolts to **15 lbs-ft.**
- Install and torque the pan plug to **20 lbs-ft.**
- Install and torque the temperature sender unit (if installed), or sending unit plug to **12 lbs-ft.**
- Fill the transmission to the proper level with recommended fluid, filling at a maximum of 5 quarts at a time, and then re-check the fluid level.
- This pan is designed to fit with no parts rubbing or touching the pan once it is installed on the transmission. If for some reason there is something rubbing or touching the pan, please contact BD Technical Support at (800) 887-5030 before operating the vehicle.

Installation with Deep Filter

Note: You will need to use filter bracket part # **1601614**. This part is available from BD Power. Please follow all torque specifications in the normal filter installation guide. The long filter has a white base, while the short filter is black.



**Support bracket
underneath of filter**

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Questions?

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



WELCOME TO OUR CLUB!
BD DISCUSSION FORUMS

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

<p style="text-align: center;">BD ENGINE BRAKE, INC. LIMITED WARRANTY STATEMENT</p>
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THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS ITS TERMS AND CONDITIONS.

DISCLAIMER OF LIABILITY

BD Engine Brake Inc., its successors, distributors, jobbers, and dealers (hereafter “**BD**”) shall in no way be responsible for the product's proper use and service. THE BUYER HEREBY WAIVES ALL LIABILITY CLAIMS.

BD disclaims any warranty and expressly disclaims any liability for personal injury or damages. **BD** also disclaims any liability for incidental or consequential damages including, but not limited to, repair labor, rental vehicles, hotel costs, or any other inconvenience costs by reason of use or sale of any such equipment. 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 **BD** and to hold **BD** harmless from any claim related to the item of any equipment purchased.

This warranty shall not apply to any unit that has been improperly stored or installed, or to misapplication, improper operation conditions, accidents, neglect, or which has been improperly repaired or altered or otherwise mistreated by the **BUYER** or his agent. **BD** also 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.

LIMITATION OF WARRANTY

BD Engine Brake Inc. (hereafter “**BD**”) warrants to the **BUYER** that any parts purchased shall be free from defects in material workmanship. A defect is defined as a condition within the product that would render the product inoperable. **BD** gives Limited Warranty as to description, quality, merchantability, fitness for any product's purpose, productiveness, or any other matter of **BD's** product sold herewith. **BD** shall be in no way responsible for the product's open use and service and the **BUYER** hereby waives all rights other than those expressly written herein. This Warranty shall not be extended or varied except by a written instrument signed by **BD** and the **BUYER**.

The Warranty is Limited to one (1) year from the date of sale. Until BD has approved the claim, the consumer may be responsible for these costs.

A Return Material Authorization (RMA) number, obtained in advance from **BD**, must accompany all products returned for warranty consideration. All products must be returned, shipping prepaid, to **BD** and must be accompanied by a dated proof of purchase receipt. All Warranty claims are subject to approval by **BD** and repaired or replaced product will be returned to the customer freight collect. Accepted warranty units, which have been replaced, become the sole property of **BD**.

This warranty is in lieu of all other warranties or guaranties, either expressed or implied, and shall not extend to any consumer or to any person other than the original purchaser residing within the boundaries of the continental U.S. or Canada.

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 THIRTY (30) DAYS FROM DATE OF PURCHASE FOR A FULL REFUND.