











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

**Part# 1061650**

## **Installation Instructions**

*Please read all instructions before installation of this product.*

***Kit Contents***

<b>1601650</b>	<b>1200208</b>	<b>1601613</b>	<b>1601715</b>
Transmission Oil Pan	Temp Sensor Port Plug	Magnetic Drain Plug	Bolt (8mm x 30mm)
			
<b>Qty: 1</b>	<b>Qty: 1</b>	<b>Qty: 1</b>	<b>Qty: 12</b>
<b>1601610</b>	<b>1601512</b>	<b>29537966</b>	
Pan O-Ring	Flat Washer	Deep Filter	
			
<b>Qty: 1</b>	<b>Qty: 12</b>	<b>Qty: 1</b>	
<b>1601615</b>			
Filter Support Bracket			
			
<b>Qty: 1</b>			

<b>1601614</b>
<b>Deep Pan Filter Support Bracket</b>

<b>Qty: 1</b>

***Tools & Equipment Required***

- 13 Quarts of Automatic Transmission Fluid  
(Only TranSynd or Dexron III is approved for the Allison 1000.)
- 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			

***IMPORTANT REPLACEMENT FILTER NOTE***

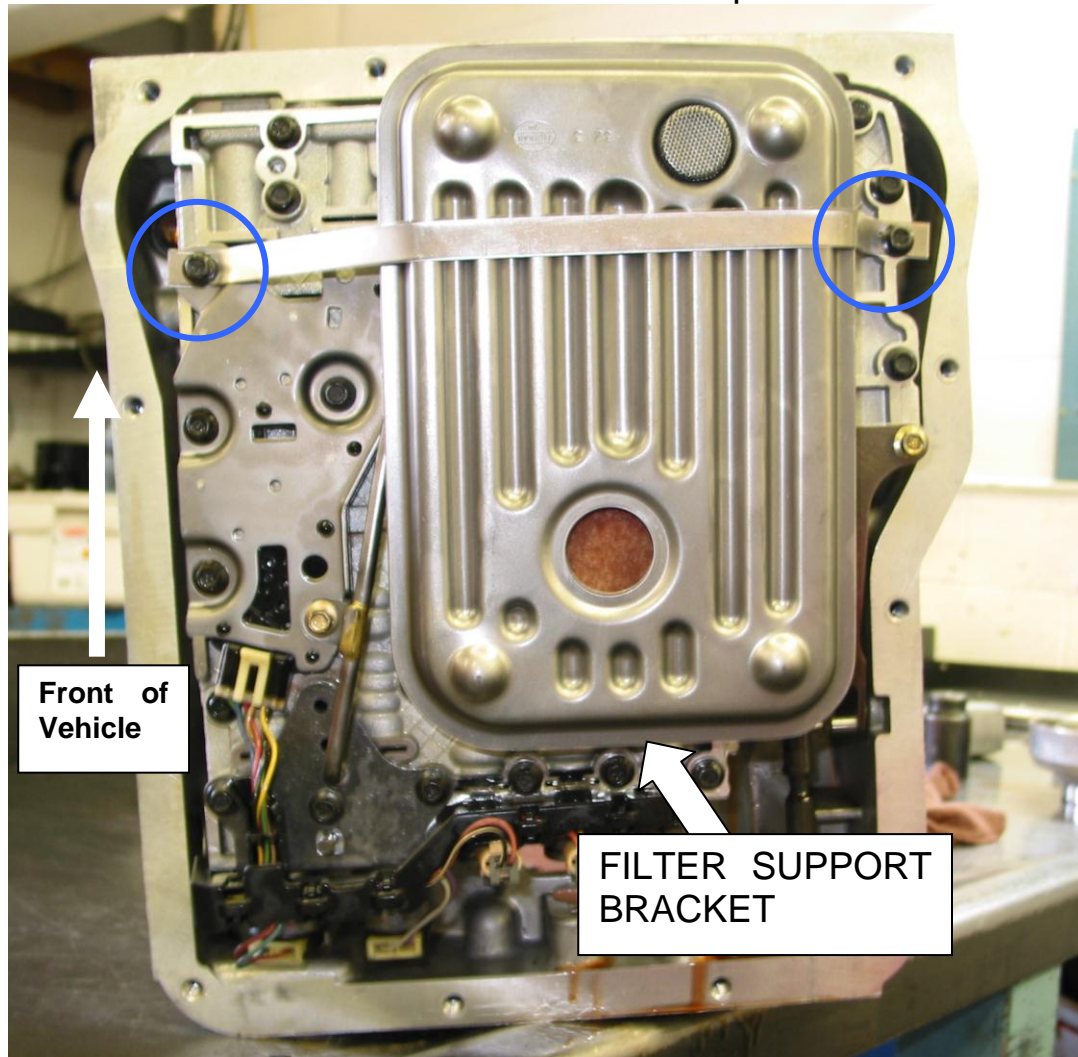
You must use the Deep Allison filter # **29537966**. One is included in this kit

**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. Remove old filter and discard. *(It’s advisable to change the spin on filter since you will be using new oil)* Lightly lubricate the lip seal of the new deep filter (provided in the kit). Insert snout into valve body filter opening, and press until the lip seal is fully inserted and cannot be inserted any farther.

- 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.



- 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. Install the filter support bracket on the rear of the filter. Tighten bolts to **10 lbs-ft.**
- 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 the recommended TranSynd or Dexron III 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.

## **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/>



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.

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)