



# **BD HD TRANSMISSION PAN**







**1988-2007 Dodge Cummins 5.9L Diesels**

**Part# 1061501**

## **Installation Instructions**

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

***KIT CONTENTS***

<b>1601530</b>		<b>2464324AC</b>	
47/48 RE Transmission Oil Pan		Reusable Rubber Pan Gasket	
			
<b>Qty: 1</b>		<b>Qty: 1</b>	
<b>1601613</b>	<b>1200208</b>	<b>1601513</b>	<b>1601512</b>
Magnetic Drain Plug	Temp Sensor Port Plug	Trans Pan Bolt – 5/16” x 1-1/8” A2 S/S	Trans Pan Washer
			
<b>Qty: 1</b>	<b>Qty: 1</b>	<b>Qty: 14</b>	<b>Qty: 14</b>

***REQUIRED TOOLS & EQUIPMENT***

- Approx. 16 Quarts of Automatic Transmission Fluid
- 1 Can “Brake Clean” or equivalent
- 7/16” socket wrench with driver
- 1/4” Allen bit with 3/8” Ratchet
- Gasket Scraper

***TORQUE SPECIFICATIONS***

<b>Pan Bolts</b>	<b>12 lbs-ft</b>
<b>Sensor Plug</b>	<b>30 lbs-in</b>
<b>Pan Drain Plug</b>	<b>30 lbs-in</b>

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

## **INSTALLATION**

- Park the vehicle on level ground with the transmission in park and the park brake applied. Use jack stands if the vehicle must be raised.
- Position a large clean drain pan below the transmission to prevent fluid loss.
- Remove the 14 pan bolts from the stock transmission pan, starting at the rear of the transmission.
- Once all the pan bolts have been removed, drop the oil pan evenly to prevent spillage. If the pan seems to be stuck to the transmission case, lightly tap the side of the pan with a soft-faced mallet.
- Carefully remove the existing pan gasket and silicone residue from the case using a gasket scraper (Gouging the case will result in oil leaks).
- Allow all the oil to drain out completely.
- Using a lint free rag, clean the gasket surface of the transmission case. The surface must be clean and flat to prevent gasket leakage.
- Inspect the transmission case mating surface for gouges, dents or cracks.
- Remove the existing filter and replace with high-flow Dacron filter PN 12776J or equivalent.
- Apply a thin coat of ATF transmission oil to the magnetic drain plug o-ring. Install the plug using an 8mm Allen bit with a 3/8" ratchet and tighten to **30 lbs-in.** (Do not over tighten!)
- If a temperature sender is being used, install the probe into the temp sender port. If there is no sender being used, install the temp sensor port plug. Tighten to **30 lbs-in.**
- Install the gasket on the BD pan and align the bolt holes. Install the 14 pan bolts with washers until the bolts are finger tight.
- Using the 1/4" Allen bit and ratchet, torque the pan bolts to **12 lbs-ft** in a crisscross pattern.
- Fill the transmission with ATF fluid to the full line on the dipstick.

BD Engine Brake Inc.

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- Re-check the pan bolt torque after 3-4 warm-up and cool down cycles.

## **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.dieselperformance.com> and share your comments or technical support questions with some of the industry's leading experts in the diesel field.