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BD FORD HD CAST TRANSMISSION PAN

For use on 1994-2010 Ford Powerstrokes
Installation Instructions

Part# 1061716

Designed for Ford E40D / 4R100 / 5R110 Transmissions

5r110 TRANSMISSIONS WILL REQUIRE FILTER #8C3Z-7A098-D
THIS IS NOT PROVIDED IN THE KIT

Kit Contents			
1601512	1200208	1601613	1601711
Flat Washer	Plug	Magnetic Drain Plug	Bolt (8mm x 25mm)
			
Qty: 20	Qty: 1	Qty: 1	Qty: 20
1601710		1601705	
Pan O-Ring		Transmission Pan	
			
Qty: 1		Qty: 1	

Tools & Equipment Required

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

Torque Specs At A Glance

Pan Bolts	9 ft-lbs	Pan Drain Plug	20 ft-lbs
Sensor Plug	12-15 ft-lbs	V/B Bolt	10 ft-lbs

NOTE: Use a torque wrench when installing any transmission component.

Installation Instructions

Park the vehicle on flat and level ground with the park brake applied and the transmission in park. Drain the transmission pan of existing fluid.

Remove the 20 existing bolts securing 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. Once this is done, inspect the magnet that is in the bed of the pan for excess material (dust type material is normal). If the debris looks abnormal (ie: metal shavings), consult a professional transmission technician for diagnostics.

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.

It is highly recommended that new filters be installed.

5r110 TRANSMISSIONS

Early model 5r110 transmission use a low efficiency filter in the transmission pan, and a high efficiency bypass filter inline to the transmission cooler. Later model year 5r110 transmissions remove the inline bypass filter and use a high efficiency pan filter.

This pan has been designed to use the high efficiency pan filter for all 5r110 applications. If you have an early model year 5r110, you can continue to use the inline bypass filter or you can disable it by removing the cartridge on this inside.

High efficiency pan filter part# **8C3Z-7A098-D**



BD Engine Brake Inc.

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

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Line up the pan with the bolt holes in the case and install two pan bolts with washers on either side of the pan to hold it in position.

While the pan is still loose, install the remaining 18 bolts and washers until they are hand tight, then snug up the first two bolts that were installed in the previous step.

Tighten all pan bolts in a criss-cross pattern and torque all pan bolts to **9 lbs-ft.**

Install and torque the pan plug and to **20 lbs-ft.**

Install and torque the pan sending 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 7 quarts at a time and then 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.

Road test and check for leaks and ensure fluid level is correct.