



BD FORD HD CAST TRANSMISSION PAN

For use on 1994-2010 Ford Powerstrokes

Installation Instructions

Part# 1061716

Designed for Ford E40D / 4R100 / 5R110 Transmissions

Kit Contents

1601512	1200208	1601613	1601715	1601711
Flat Washer	Plug	Magnetic Drain Plug	Bolt (8mm x 30mm)	Bolt (8mm x 25mm)
				
Qty: 20	Qty: 1	Qty: 1	Qty: 12	Qty: 8
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	15 ft-lbs		Pan Drain Plug	20 ft-lbs
Sensor Plug	12-15 ft-lbs		V/B Bolt	10 ft-lbs

PLEASE NOTE: There are 8 short bolts (8mm X 25) in this kit, they should be installed in the hole locations marked (see picture below) or damage may result.



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.

Line up the pan with the bolt holes in the case and install two 8mm X 30mm 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. Ensure the shorter bolts (8mm x 25mm) are installed in the proper positions (as shown in the photo on page 3), 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 **15 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.