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BD FORD HD CAST TRANSMISSION PAN




Installation Instructions

Part# 1061716

Designed for Ford 6r140 2011-17 Transmissions

IT IS HIGHLY SUGGESTED THAT ALL YOUR TRANSMISSION FILTERS BE CHANGED

Kit Contents

| | | | |
|---|---|--|---|
| 1601522 | 1200208 | 1601613 | 1601524 |
| Flat Washer | Plug | Magnetic Drain Plug | Bolt (M6 x 30mm SS) |
|  |  |  |  |
| Qty: 19 | Qty: 1 | Qty: 1 | Qty: 19 |

1601720

Transmission Pan



Qty: 1

Tools & Equipment Required

- 15-23 Quarts Of Transmission Fluid (see page 3)
- 3/8" Drive Ratchet
- 3/8" Drive 6" Extension
- 3/8" Drive 8mm Socket
- 3/8" Drive 5mm Allen Driver
- 3/8" Drive Torque Wrench (capable of reading low setting [10ft-lbs])

Torque Specs At A Glance

| | | | | |
|--------------------|--------------|--|-----------------------|-----------|
| Pan Bolts | 80 in-lbs | | Pan Drain Plug | 20 ft-lbs |
| Sensor Plug | 12-15 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 19 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. Inspect the inside of the pan for any metal debris. Debris can be a sign of a damaged transmission. Consult BD if this is the case.

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.

Clean the reusable gasket and inspect for tears. If none are found re-use.

It is highly recommended that new filters be installed.

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 17 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 crisscross pattern and torque all pan bolts to **80 in-lbs**.

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

Install and torque the pan pressure sending unit NPT (if installed) or sending unit plug to **12 lbs-ft**.

Fill the transmission through the transmission fluid filler tube with MERCON LV.

- If only the transmission fluid drain plug or pan was removed add **14.2 quarts**
- If the main control VB was removed add **16.2 quarts**
- If the transmission was removed and disassembled add **22.2 quarts**.

Start the engine and move the gear selector lever through all gear ranges while checking for engagements to allow the main control hydraulics circuits to fill with transmission fluid.

Road test and check for leaks and ensure fluid level is correct while at normal operating temperatures.

BD Engine Brake Inc.

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