



# POWER STEERING PUMP INSTALL GUIDE

## PRE-INSTALLATION CHECKLIST:

**BEFORE YOU BEGIN**, make sure to inspect all hoses for leaks, cracks, or stiffness. Examine suspension components for wear (Tie rod, ball joints, control arms, etc). Check fluids quality for color, odor, or metal particles (indication contamination). Use manufacturer-recommended fluids. Flush the system to remove contaminants. Ensure the reservoir screen is clean and unclogged.

## INSTALLATION

1. **PURGE THE POWER STEERING SYSTEM** - Fill the reservoir with the manufactured-recommended power steering fluid. Lift front wheels off the ground (if possible) for easier turning.
2. **CYCLE THE SYSTEM** - With the engine **OFF**, turn the steering wheel lock-to-lock 10-15 times. This helps displaced air trapped in the system.
3. **CHECK FLUIDS** - Refill the reservoir as needed; fluid levels will drop during purging.
4. **REPEAT WITH ENGINE RUNNING** - Start the engine and turn the wheel lock-to-lock 10-15 times, check for bubbles and noise.
5. **INSPECT FOR AIR AND LEAKS** - Top off fluid as needed and ensure the system is clean of air (No bubbles or noise). Double check for leaks.



## TECH TIPS

### FLUID EXAMINATION:

- Extract the fluid from the return hose, allow it to settle, and check with a flashlight.
  - o Metal shavings: Failing pump (replace along with rack/gear).
  - o Rubber fragments: Hose deterioration (replace hose)
  - o Dark/Burnt Fluid: Possible pump damage due to low fluid levels.

### SYSTEM FLUSH:

- Disconnect the return hose and plug the pump inlet. Flush system with manufactured-recommended fluid. Cycle the steering wheel lock-to-lock with the engine off until fluid runs clean. Reconnect the hose, refill fluid, and purge air by cycling the wheel again. .

### HOSE REPLACEMENT:

- Replace all powering steering hoses to avoid contamination and prevent malfunctions to new components.

### FLUID RECOMMENDATION:

- All pumps are designed to work with OEM or OEM equivalent fluid.



## WARRANTY

Products manufactured by XDP carry a 2-Year Unlimited Mileage warranty against defects in materials and craftsmanship. The Warranty is Limited to two (2) years from the date of sale and limited solely to the parts contained within the product's kit. All products that are in question of Warranty must be returned shipping prepaid to XDP and must be accompanied by a dated proof of purchase receipt. Warranty is limited to the original purchaser.



## FOR MOST DIESEL APPLICATIONS

### FORD

- XD731 - 1994.5-1997 7.3L Powerstroke
- 1994.5-2001 7.3L Powerstroke Vans
- XD730 - 1999-2003 7.3L Powerstroke
- XD742 - 2003-2004 6.0L Powerstroke
- XD735 - 2005-2007 6.0L Powerstroke
- XD736 - 2008-2010 6.4L Powerstroke
- XD739 - 2011-2024 6.7L Powerstroke

### DODGE/RAM

- XD741 - 1990-1996 5.9L Cummins
- XD732 - 1997-2002 5.9L Cummins
- XD738 - 2003-2007 5.9L Cummins
- XD737 - 2003-2007 5.9L Cummins
- XD734 - 2011-2018 6.7L Cummins

### CHEVY/GMC

- XD733 - 2001-2010 6.6L Duramax
- LB7/LLY/LBZ/LMM
- XD740 - 2011-2022 GM 6.6L Duramax
- LML/L5P

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