

STEERING PUMP INSTALLATION GUIDE

NOTE: POWER STEERING PUMP IS GUARANTEED TO THE SPECIFIC VEHICLE APPLICATIONS FOR WHICH IT IS LISTED. THE FOLLOWING PROCEDURES MUST BE PERFORMED TO ENSURE PROPER INSTALLATION AND TO PROTECT WARRANTY.

Before Installing a Remanufactured Power Steering Pump

- Ensure you have the recommended OE fluid or equivalent.
- Check hoses for cracking, lack of flexibility and leakage. Replace hoses as necessary.
 - **NOTE: Replacing hoses that are 5 years old or have 100,000 miles on them is recommended due to deterioration of the inner lining of the hose.**
- This installation guide is meant for general use only. For specific vehicle applications refer to the vehicle repair manual.

Removing the Original Pump

1. Disconnect the negative battery cable for safety.
2. Remove engine belt and any other parts that will interfere with the removal of the hoses, pump or pulley.
3. Disconnect the power steering return and pressure lines. Drain fluid into an approved container. If hoses are being reused flush lines with OE approved fluid or cleaner and clean the connections. Cap the hoses to prevent contamination.
4. Loosen pump/bracket mounting bolts. On some models the removal of the power steering pulley will have to occur prior to mounting bolt removal. (Note below.)
5. Remove pump from vehicle.
6. Refer to vehicle repair manual for approved pulley puller to remove and install pulley on the pump with pressed on pulley. For pumps with bolt on pulleys loosen nut on power steering pump shaft. Align the pump shaft with the pulley appropriately on new pump. Refer to manufactures specifications for tightening nut on pulley.
7. If vehicle is equipped with remote reservoir check for contamination and replace or clean as necessary.

Installing a Remanufactured Power Steering Pump

1. Reinstall all necessary hardware on pump.
2. Install pump and hardware onto vehicle. Install pulley if necessary.
3. Check for proper pulley alignment, and proper tensioner operation.
4. Reinstall the clean and flushed power steering hoses and new O-rings for proper seal.
5. Reinstall belt at this time and check for alignment issues.
6. Fill reservoir to max mark.
7. Flush and bleed the power steering system. Check vehicle repair manual for proper bleeding procedure. Vacuum or manual bleeding is required. Warranty will be void if this procedure is not followed.
 - a. **NOTE: Flushing and then vacuum bleeding the power steering system on all vehicles is recommended for optimal performance.**
8. Check system after purging all air from the system. Start engine and allow engine to idle 2 minutes. Then slowly turn the wheel to the left and then to the right checking for correct operation.
9. Check reservoir fluid for fluid level and the presence of air. If air is present the system needs to be bled again. Follow vehicle repair manual or vacuum bleeding procedure.

