



Flushing and Bleeding Instructions

1. Disable ignition system using recommended procedure in your service manual.
2. Raise front wheels until just clear of ground.
3. Place drain pan under power steering pump return port. Disconnect return line from power steering pump and place it in drain pan. Flush the power steering pump reservoir by pouring new fluid into the reservoir until the fluid runs clear. Be sure to use the fluid recommended for your vehicle. **NOTE: DIRTY FLUID WILL VOID THE WARRANTY.**
4. Leave return line in drain pan. Cap the pump reservoir return port to prevent leakage.
5. Fill power steering pump with new fluid recommended for your vehicle.
6. While having someone watch the fluid level and adding fluid to the pump (**Keep fluid above top of pump casting**) crank the engine over using the ignition switch. (**To prevent excessive starter wear; crank engine over for less than 20 second intervals.**) Continue to add new fluid until return line runs clear. Reconnect pump return line.
7. This completes the flushing procedure. Now begin bleeding the system.
8. Fill power steering pump with new fluid recommended for your vehicle.
9. While having someone watch the fluid level and adding fluid to the pump (**Keep fluid above top of pump casting**) crank the engine over using the ignition switch. (**To prevent excessive starter wear; crank engine over for less than 20 second intervals.**)
10. While you are cranking the engine over, turn the steering wheel lock to lock slowly at least 4 times to bleed the system. If you see any bubbles and/or foam enter the pump; stop and let the system rest until all of the bubbles and/or foam has dissipated. Repeat steps 8-10 until bubbles and/or foam no longer enter the pump.
11. Reconnect ignition system. Lower wheels to the ground. Start engine and test drive car. If assist is smooth, bleeding is complete. If assist is erratic, whines or fluid is foaming; repeat steps 8-10.
12. Drain core and using plugs provided, return core in original packaging and box.

IMPORTANT RETURN INSTRUCTIONS

1. Assure core is drained of fluid.
2. Reinstall plugs in core so it does not leak (if applicable).
3. Use return bag included in box to wrap the core before shipping to keep it dry (if applicable).
4. Reinstall core in original packing material.
5. Make sure the return box is taped and secured properly.

CHANGING THE PUMP RESERVOIR

1. If the replacement pump was supplied without the reservoir, remove and save all bolts and nuts. Then remove pressure fitting.
2. Using a wooden block, carefully tap around the edges of the reservoir until it separates from the pump.
3. Clean the reservoir thoroughly.
4. Change all O-rings. Install new O-rings using a small amount of grease. Make sure the new O-rings are the same size as the old ones.
5. Remove pressure fitting from new pump being careful not to let the flow control valve and spring to fall out.
6. Line reservoir up with mounting holes and install bolts and pressure fitting finger tight.
7. Press reservoir down until it seats on the pump. Tighten bolts and pressure fitting to correct torque specification.
8. Install pulley using enclosed installation tool (if applicable).