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Power Steering Bleeding Instructions

*****IMPORTANT***** - *It is very important to follow these instructions and procedures entirely. Failure to do so could result in voiding of warranty and severe damage to the power steering pump.*

- 1.) Do not start the engine until the entire bleed process is completed and there are no air bubbles present in the reservoir*
- 2.) If using a remote reservoir, the fittings on the bottom of the reservoir should be above the fittings on the power steering pump*
- 3.) If using a hydro boost system, follow the bleeding instructions from the manufacturer*
- 4.) Use only quality power steering fluid, preferably synthetic or one that is specially formulated for race applications*
- 5.) Do not reduce the return side of the pump if using a remote reservoir. Combination of line ID and fitting couplings should not be smaller than 3/8"*

Inspection

Carefully inspect the power steering system plumbing and ensure that all hoses are free and clear from touching any other part of the vehicle, i.e., not resting on the frame rail or gearbox, etc. Also check that all the fittings are mated correctly and tight

Bleeding Process

*****IMPORTANT***** - Please re-read the section above before beginning the bleeding process

- 1.) Raise the front wheels off the ground and place the vehicle on jack stands
- 2.) Turn the steering wheel all the way to the left
- 3.) Add power steering fluid to the cold fluid level on the dipstick or to 1/4" below the thread line on the remote reservoir. Leave the cap off the reservoir
- 4.) With the aid of another person one person watch the fluid level in the reservoir while the other very slowly turns the steering wheel from lock to lock a minimum of 20 times. There is no way to circumvent and speed this up. Rushing it will only require repeating the process.
 - a. If the fluid level has not dropped or there are any air bubbles still present this means that there is still air in the system. A rise in fluid level is also indicative of air trapped in the system. Continue to cycle back and forth until there are no air bubbles present and fluid level remains constant. This may take up to 40 or 50 cycles.
- 5.) Once the fluid remains level and there are no air bubbles present, proceed to disabling the vehicle ignition system and crank the engine for 3-4 revolutions. If the fluid level changes or air bubbles become visible repeat Step 4. Continue until there are no changes in fluid level or air bubbles.
- 6.) Install reservoir cap
- 7.) Return the vehicle to the ground and let the car sit at idle for 2-3 minutes while cycling the steering in both directions. At this point you should have smooth operation of the power steering and no noise from the power steering pump. The fluid should be clear and free of any bubbles or foam and the level should remain constant.