



## Technical Service Bulletin

**Case:** Have you recently installed a new rack and pinion assembly and/or a new power steering pump and have a **noise, whine** or **difficulty with stiff steering**? Follow the steps below to resolve.

**Time:** This process should take approximately 5-10 minutes.

**Required:** Approved OE Power Steering Fluid

1. Make sure all pump, rack, tie rod connections are tightened to specification for the application in service and ensure that the vehicle wheels are on the ground.
2. Fill the power steering reservoir above the Max Hot line with the applicable OE power steering fluid.
3. Start the engine for 3-5 seconds, then shut off. Fluid levels will drop in the reservoir due to the short run time limiting the air to enter the system as well.
4. Repeat step 2 and 3 until the fluid level stabilizes in reservoir (approximately 4-5 times) and check for leaks in appropriate areas.
5. With the engine running and the vehicle on the ground still, turn the steering wheel  $\frac{1}{4}$  turns from center to left to right about 5-10 times.
6. Check the reservoir and top off fluid accordingly if necessary.
7. With the engine running and the vehicle on the ground still, turn the steering wheel  $\frac{1}{2}$  turns from center to left to right about 5-10 times.
8. Check the reservoir and top off fluid accordingly if necessary.
9. Turn wheel full lock to lock about 5-10 times to work out the last of any air in the system. Check the reservoir and top off fluid if necessary.
  - a. If a noise is still present, turn the engine off and wait 10 minutes. After, restart the engine and begin the process again at step 5.