



## 3403251

### Power Steering Return Line Hose Assembly

#### General Installation Instructions

##### Inspect Steering System

Check Fluid, Hoses, and Lines for the following...

- Physical Damage (Hoses and Lines near heat or friction sources such as manifolds, engine block, exhaust, or pulleys)
- Leakage (most noticeable near fittings or hose ends)
- Hose hardness (Internal wear may cause rubber to be brittle or flaking)
- Hose softness (Internal deterioration may cause rubber to feel spongy or too soft)
- Fluid discoloration (Particles may be present from internal hose and component wear causing the fluid to appear dark, resulting in blockage)

To ensure a healthy power steering system, it is best to replace all hoses and lines together. New power steering fluid is a necessity to ensure proper performance and long life of the system. Be sure to properly dispose the old fluid.

##### Hose / Line Removal

- Most hoses are removed with a wrench or screwdriver. It may be helpful to apply an anti-corrosion spray ahead of time to negate the effects of road grime and heat cycles
- Expect old fluid to spill or leak; using a catch pan and/or drop cloth is recommended

##### Hose / Line Installation

- Pressure Hose; Hand tighten the threaded fitting or banjo bolt (both ends). Then tighten with a wrench to proper specs. Specs will vary based on vehicle, so consult a repair manual if possible
- Return Hose; Hand tighten threaded fitting first (if applicable); then tighten with a wrench. Secure clamped hose connection/s... put loose clamp on hose, then push hose over barbed or nipple end of steel line. Slide clamp into position, then tighten with a screw driver or small socket

\*\*\* (tip - with your finger, apply a small amount of power steering to end of steel line. This will act as a lubricant to slide the hose in place if needed) \*\*\*

##### Flush or Bleed the System

- Locate the Return Line at the Power Steering Pump
- Remove the Return Line from the pump, and place the end into a catch/drain pan
- Use included plastic flushing cap on the pump. It will block the tube/fitting from the removed return line
- Fill the reservoir with the proper power steering fluid and start the engine
- With the engine running, turn the steering wheel from side to side (lock to lock)
- Continue to fill the reservoir as required until the power steering fluid is clear
- Turn the engine off, remove the flushing cap from the pump, and reinstall the return line on the pump
- Check the fluid level after some operating time and fill if needed

---

SunSong accepts no liability for the content of this Tech Tip, or for the consequences of any actions taken on the basis of the information provided. We suggest that you **always** consult a **Repair Manual** or **Professional Technician**.

© 2018 - SunSong NA, Inc.