



## 3402423

## 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

## O-Ring Installation

O-ring(s) are a vital part of the success of your new hose not leaking. We include new O-Rings in all our hose kits where they are required. If you do not install them and install them properly, your hose is prone to leak. Lubricate the O-Rings with silicone grease. This will help the O-Ring slide over the end of the fittings easier. Do not use excessive force that could cut or damage the O-Ring. Check to see that the O-Rings sits firmly in the end of the fitting.



Standard O-Ring Flare



Captive O-Ring



Swivel O-Ring Type I



Swivel O-Ring Type II

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