

## Flushing Criteria – Hydraulic Steering Systems

### **IMPORTANT MESSAGE**

Start by referring to the manufacturers specifications to establish the correct fluid required in the power steering system

Failure of the steering system is mainly because-

Hose residue in the system (power steering hoses deteriorate from inside-out – this causes rubber residue  
Which may block the power steering system)

The resolution would be to replace your power steering every 5 years.

A faulty Steering Pump (metal debris from the steering pump can cause damage to the seals, scoring to the  
Internals of the steering pump and the steering rack)

### **Guideline to Flushing the system**

Remove the return pipe from the rack to the reservoir at the reservoir end and place the pipe end into a bucket or container.

Remove the lid from the reservoir and start the engine of the car.

Pour fresh hydraulic steering fluid into the reservoir so that it flushes through the whole steering system **DO NOT LET THE PUMP RUN DRY**. When the power steering fluid runs clean then you should turn off the cars engine.

Replace the new steering rack or pump.

Re-connect the steering hoses and fill the steering system with the recommended steering fluid for the vehicle.

The steering system will need bleeding (to remove air from the system). Raise the front wheels off the ground ( meaning no weight on the steering system) set the engine running and open the lid of the reservoir- turn the steering wheel from 10 o'clock to 2 o'clock a few times to assist the bleed process.

If air appears to still be in the system, then slacken the high pressure union of the steering pump slightly so the fluid weeps at this point. Air in the system will be visible and will stop as the system clears itself of air. When air bubbles stop, then tighten the high pressure union again to the recommended torque settings.

Lower the vehicle again and turn the steering from 10 o'clock to 2 o'clock several times and check levels in reservoir and top up if required.

**NOT FOLLOWING THESE GUIDELINES WILL  
INVALIDATE ANY WARRANTY CLAIMS.**