

**Information  
Sheet**

## **Why should a complete exchange of your power steering fluid be done?**

Many people have encountered power steering failures on their vehicles due to either a power steering pump, hoses, gear box or rack & pinion. Failures could be anything from odd noises, fluid leaks or stiffness when turning at low speeds. Many times these are very costly repairs and most can be avoided. Power steering fluid is designed for power steering systems; different manufacturers sometimes require different fluids, in every case the fluid condition is the key to the life of the components.

The pressure in a power steering system on hard turns is much higher than that in an automatic transmission under load. Power steering fluid is normally clear in color. Power steering fluid turns dark as it breaks down, usually because of heat, which can be especially high when held in hard turns. The fluid will become very hot under load and start to breakdown causing electrochemical degradation. Once this process starts, your power steering pump and rack & pinion begin to clog with sludge and varnish deposits. The ability of the fluid to lubricate properly also decreases which accelerates wear. The sludge and varnish can cause stiffness, leaks or complete system failures. Wear will cause metal particles to be present in the fluid, which greatly increases the rate of wear and the likelihood of seal failures.

These types of failures can be greatly reduced through the proper use of a power steering fluid exchange process. This procedure will safely remove varnish and sludge deposits and clean all internal power steering components, including the power steering hoses, power steering pump, rack & pinion and or gear box. This service is also the best way to remove wear metals that are slowly grinding away on your power steering internal components. Your car's power steering is thoroughly cleaned and protected with fresh power steering fluid and conditioners that revitalize the seals and O-rings in your power steering system..

If your cars power steering system is showing any signs of contaminated power steering fluid, noise, stiffness, rough or hard turning, this service is the first thing you should try before it becomes necessary to perform major repairs on very expensive power steering components.