ISO 9001 CERTIFIED COMPANY

PRODUCT DATA SHEET

Power Steering Repair

Part #: 34650

500 mL (16.9 FL OZ)

Rislone® Power Steering Repair



Rislone® High Mileage “Kilometre” Power Steering Repair is a unique dual cavity bottle containing a combination of the best performance additives to repair the most common power steering fluid related problems. For many vehicles, this is your last chance before paying an expensive repair bill or replacing the vehicle. Power Steering Repair can be used to top-off the existing fluid when low or add a bottle when changing fluid. Works on all vehicles, domestic and import. Compatible with ALL types of power steering fluid or ATF, including petroleum, mineral oil, and synthetic formulas. Use one bottle to top off or restore fluid level.

World’s Most Trusted Repair Brand Since 1921

Dual Action Formula – Twice the performance

Safe and Easy to Use

Works to Seal & Stop Leaks Plus…

Restores Performance – *Reduces noise and smooths out hard steering*

- Hi-Tech Additives
- Viscosity Improvers
- Friction Modifiers

Adds Protection – *Stops leaks and reconditions rack & pinion*

- Fluid Stabilizer
- Lubrication Additives
- Seal Conditioners

The common element between all of the power steering components is the fluid. The fluid touches everything inside the pump, gearbox, and rack & pinion. This fluid must lubricate, cool, clean, and pressurize for the system to function. In newer systems, the power steering fluid can easily perform these functions. As the vehicle ages and gains more km/miles, the fluid alone cannot do the job. Internally, pumps whine, gears have play in them, valves stick, seals leak, and the fluid quickly breaks down. When installed, Rislone High Mileage Power Steering Repair helps to stop and prevent these problems and enhances the useful life of your power steering system. The result is smoother steering with no leaks.

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INSTRUCTIONS:

Adding to existing Power Steering Fluid

Using to seal leaks – Remove power steering dipstick and check reservoir fluid level. On most vehicles, the reservoir is on or near the belt driven power steering pump. Consult owners' manual for location if needed. If fluid is low, pour equal amounts from the two chambers into reservoir. At least half of bottle should be used. Do not overfill. Check fluid level again. Top off with manufacturer's recommended power steering fluid as needed. Replace dipstick and drive 5 to 10 minutes to circulate fluid.

To control slack, reduce noise & squeaks, and smooth out hard & tight steering (morning sickness), the entire bottle should be used. ***TIP:*** *If necessary to prevent overfilling, drain or siphon some power steering fluid from reservoir before using*.

Depending on the power steering problem, results will either be immediate or noticeable within 2 days or 150 km of driving. In seriously damaged power steering systems, a second treatment may be required. In this case, it is suggested that the power steering fluid be changed and a second application of Rislone Power Steering Repair be added.

Changing Fluid

If using Rislone Power Steering Repair when changing power steering fluid, add entire contents of bottle. Then top off with manufacturer's recommended fluid to proper level. Drive vehicle and recheck fluid level.

DOSAGE:

One bottle is designed to treat 1 to 2.5 litres of fluid capacity, which is the normal size for most vehicles. For smaller systems from 0.4 to 0.9 litres, use only half bottle, pouring equal amounts from each side. For larger systems, use one bottle for every 2 litres of capacity.

TEST	ASTM	TYPICAL PROPERTIES
API Gravity @ 15.6°C	D-1298	24.1
Specific Gravity @ 15.6°C	D-4052	0.86
Density @15.6°C	D-1298	7.18
Flash Point	D-92	257°C
Viscosity, cSt. @ 40°C	D-445	51.6
Viscosity, cSt. @ 100°C	D-445	7.6
Viscosity Index	D-2270	111
Pour Point °C	D-5949	-18°C

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WHAT IS YOUR POWER STEERING PROBLEM?

Small Leaks – Need to add fluid 1X per month
Medium Leaks – Need to add fluid 1X per week
Leaks – Pump, Gearbox, and Rack & Pinion
Noise – Whining, Squeals, and Growling
Slack or Loose Steering
Morning Sickness – Hard or tight steering when cold
Worn Parts – Renews worn rack & pinion

WE CAN HELP!!!

Safe For – Domestic / Import, Cars, Trucks, SUVs
Fluid – Regular Petroleum, Mineral Oil, and Synthetic Power Steering Fluids

WHAT IS A POWER STEERING SYSTEM?

There are two basic types of power steering systems

Gearbox (Re-circulating-Ball)

Most Rear-Wheel & 4-Wheel Drive – The gearbox contains a grooved metal shaft called a worm gear. This gear is threaded into a metal block with ball bearings between the threads to reduce friction. The block turns a pitman arm which is connected by the rods to each front wheel.

Rack & Pinion

Most Front-Wheel & All-Wheel Drive – The steering shaft connects to a pinion gear inside the metal housing. This pinion gear has teeth on it that mesh with the teeth on the rack. This rack is connected to each front wheel wit the rod ends.

Steering Components

Power steering systems are a combination of mechanical, hydraulic, and some electrical parts.

Mechanical

Many mechanical parts are required to operate a power steering system. Some of the more important parts are steering shaft, rack & pinion or gearbox, and fluid pump.

Hydraulic

The hydraulic system uses a belt-driven fluid pump to create pressure and send this fluid through a high-pressure hose to either the rack & pinion or gearbox.

Electrical

Some later model vehicles use electronic sensors to detect the power steering fluid pressure and send information to the vehicle computer.