



ISO 9001:2000 CERTIFIED

RISLONE TECHNICAL BULLETIN

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Page 1 of 2

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Rislone Power Steering Stabilizer

Part #: 4603

POWER STEERING STABILIZER WITH STOP LEAK

Rislone Power Steering Stabilizer with Stop Leak is a special blend of olefin copolymers, lubricity additives, anti-wear agents, anti-oxidants, and seal conditioners that stop & prevent leakage and restore power steering performance.

- Guaranteed smoother steering with no leaks.
- Rislone Power Steering Stabilizer is the perfect product to add any time replacing a power steering component or adding fluid.
- Contains a combination of the best performance additives to repair the most common power steering fluid related problems.
- Extends the power steering pump life by sealing & preventing leaks. Reduces noise and restores power steering hydraulic pressure to solve many steering system issues.
- Restores rack & pinion performance. Eliminates hard spots and loose steering caused by worn and/or higher mileage racks. Conditions seals to stop current and future leaks in rack seals.
- Renews worn power steering gearboxes. Tightens up slack or excess steering movement. Also stops leaks in pitman arm and sector shaft seals.
- Stops morning sickness (hard steering), on many vehicles particularly in the morning or whenever the vehicle is cold or first started.
- Works with ALL types of power steering fluid; including petroleum, mineral oil and synthetic formulas
- Use in ALL light or heavy duty, domestic or import, car or truck, vehicles.



MOST COMMON STEERING PROBLEMS	THE SOLUTION, RISLONE POWER STEERING STABILIZER
<p>Stiff Steering</p> <ul style="list-style-type: none"> • Hard "Stiff" Steering • Sluggish "Lazy" Steering • Morning Sickness <p>Noise</p> <ul style="list-style-type: none"> • Whining • Grinding • Squeal <p>Fluid Loss "Leaks"</p> <ul style="list-style-type: none"> • Gaskets • O-Rings • Seals 	<p>Restores Steering Performance</p> <ul style="list-style-type: none"> • Smooths Out Hard Steering • Reduces Sluggish Steering • Stops Morning Sickness <p>Quiets Noise</p> <ul style="list-style-type: none"> • Quiets Squeals & Noisy Pumps • Reduces Friction & Wear • Stabilizes Fluid <p>Stops Leaks</p> <ul style="list-style-type: none"> • Conditions Seals & O-Rings • Reduces Fluid Loss • Prevents future leaks

Part Number: 4603
 UPC Item: 0 78615 04603 4
 UPC Case: 1 00 78615 04603 1
 Bottle Size: 12.5 FL. OZ. (370ml)
 Bottle Dimensions: 3.0 x 1.9 x 7.9
 Bottle Cube: 45
 Case Pack: 6 bottles per case
 Case Size: 6.4 x 4.2 x 8.3
 Case Cube: 223
 Case Weight: 5.2 pounds
 Pallet: TI 42 HI 5 Total 210
 Pallet Height: 48 inches
 Tariff Code: 2710.19.3020

DOSAGE

1 bottle treats 2 to 3 quarts of fluid

TEST	ASTM	TYPICAL PROPERTIES
API Gravity @ 15.6°C	D-1298	30
Specific Gravity @ 15.6°C	D-4052	0.8765
Density @15.6°C	D-1298	7.128
Flash Point	D-92	220°C / 428°F
Viscosity, cSt. @ 40°C	D-445	469
Viscosity, cSt. @ 100°C	D-445	47
Viscosity, cSt. @ 150°C	D-445	16
Viscosity Index	D-445	150
Pour Point °C	D-97	-12

DIRECTIONS

Adding to Power Steering Fluid

- 1) Remove power steering dipstick and check reservoir fluid level. **Tip:** On most vehicles, this is on or near the belt driven power steering pump. Consult owners' manual for location.
- 2) If fluid is low, pour into fluid reservoir to restore fluid level. Do not overfill. **Tip:** If necessary to prevent overfilling, drain or siphon some power steering fluid from reservoir.
- 3) Replace dipstick and drive 5 to 10 minutes to circulate fluid. Depending on the power steering problem, results will either be immediate or noticeable within a few days 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 Power Steering Stabilizer be added.

Changing Fluid

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

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 tie 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 with the tie rod ends.

Steering Components

Power steering systems are 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.

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 miles, the fluid alone can't do the job. Internally, pumps whine, gears have play in them, valves stick, seals leak and the fluid quickly breaks down. When installed, Rislone Power Steering Stabilizer with Stop Leak helps to stop and prevent these problems and enhances the useful life of your power steering system.