



PRODUCT INFORMATION SHEET

WYNN'S POWER STEERING FLUSH

Product Number: 62409 24 x 325 ml

WYNN'S POWER STEERING FLUSH is a power steering cleaner, formulated to remove harmful deposits and impurities from power steering systems.

Wynn's Power Steering Flush is formulated to be used in conjunction with the Wynn's Power Steering Flush Machine (Part No. 22000).

Introduction

One of the first signs of a problem in a vehicle's power steering system is when a customer complains of sluggish steering shortly after the vehicle is started. This is especially noticeable in cold weather. The vehicle may also steer hard in one or both directions.

Power steering fluid operates under high pressure. Contamination and operating temperatures affect the fluid. Because of these demanding conditions, power steering fluid can break down and lose its protective lubricating properties, resulting in excessive wear which can lead to hard steering. Power steering fluid should be changed periodically to keep the system operating smoothly.

Unfortunately, what most frequently happens is that the fluid is changed only when the power steering unit is replaced. This is a costly and time consuming service. There is also no easy way to get rid of all the dirty fluid before adding clean fluid to the system.

Experts recommend periodic flushing or fluid exchanges of power steering systems. All suppliers of re-manufactured or replacement power steering racks recommend flushing the entire system of old fluid and contaminants when replacing a power steering rack.

Historically, power steering system fluid service has been neglected, often due to the lack of a convenient method for providing such flush or fluid change services. Previously our methods for flushing the power steering system or replacing the power steering fluid were time consuming and often inefficient or incomplete.

Service neglect leads to power steering system complaints including poor handling, hard or sluggish steering, and objectionable noise. These complaints can often be attributed to fluid that has thickened due to oxidation, become contaminated or undergone additive degradation over time. Fluid that has thickened due to oxidation often results in hard steering when the fluid is cold. This commonly results in a phenomenon called "morning sickness". Also, over time, fluid leakage from power steering system seals can often be attributed to seal deterioration from continued contact with degraded fluid.

Advantages

A Wynn's Power Steering Flush service flushes out the dirty fluid from the system, and replaces it with clean power steering fluid easily and cost effectively.

The complete service takes less than 20 minutes, depending on vehicle make.

When a Wynn's Power Steering Flush service is performed as a preventative maintenance measure, it helps extend the life of a power steering unit, pump, and seals.

If it is determined that a power steering unit should be replaced, the Wynn's Power Steering Flush service can clean, condition and prepare the system for replacement of the worn components, as recommended by power steering manufacturers.

If the power steering unit is leaking badly, as seals may be broken, this procedure is not recommended.

Previously, power steering fluid exchange, without the use of a machine, was accomplished by disconnecting a lower pressure hose and gravity draining the old fluid, then reconnecting the hose and refilling the reservoir with new fluid. Such gravity draining did not flush the old fluid from small passages or pockets in the system where old contaminated fluid would settle, resulting in a very incomplete fluid exchange.

The Wynn's Power Steering Flush Machine is a portable, lightweight, easy to operate and efficient unit that flushes the system of old fluid and contaminants, and refills the system with new fluid. This machine is designed to be used with vehicles containing either conventional power steering fluid or ATF type power steering fluid in the power steering system.

The basic flush and refill procedure is performed via the power steering fluid reservoir and includes the following:

- Draining the old fluid from the reservoir.
- Refilling the reservoir with Wynn's Power Steering System Flush.
- Performing the flush process with simultaneous use of the suction hose and the supply hose.
- Performing the new fluid refill process with simultaneous use of the suction hose and the supply hose.

Routine power steering fluid service is designed to extend the life of power steering system components. The Wynn's Power Steering Flush service helps prevent component wear, keeps seals conditioned to help eliminate leaks, and provides the appropriate fluid viscosity for maximum power steering system performance.

Benefits

Wynn's Power Steering Flush has been formulated to provide the following benefits:

- Removes deposits and impurities from power steering systems.
- Helps stop hard steering on cold starts.
- Conditions and revitalises seals.
- Reduces wear and noise.
- Helps postpone or eliminate the need to replace power steering components.
- Cleans, conditions and prepares the entire power steering system for replacement of worn components.
- Helps prevent internal power steering fluid leakage from developing.

Applications

To remove the old power steering fluid from the power steering reservoir, follow the instructions included with the Wynn's Power Steering Flush Machine. Add entire contents of 325ml bottle of Wynn's Power Steering Flush to 1.9 litre bottle in Wynn's Power Steering Flush Machine.

Top up machine bottle with conventional power steering fluid or automatic transmission fluid. With engine turned off, exchange the fluid in the power steering unit with the Wynn's Power Steering Flush Machine. Run the vehicle for 5 minutes, fully working the steering wheel left and right to circulate the flushing liquid through the power steering system. Shut engine off. Follow instructions to remove the flushing liquid and to replace it with the appropriate power steering fluid.

Wynn's Power Steering Flush is best used in conjunction with Wynn's Power Steering Fluid (Product No. 77511A) as part of Wynn's Power Steering Kit (Product No. 10045).

Wynn's Power Steering Flush is not recommended for Honda or Audi systems which require very different power steering fluids manufactured and sold only by the OEM's. These fluids are not mineral oil based, as the Honda and Audi systems are connected to the brakes.

Typical Characteristics

Appearance	Clear Thin Liquid
Colour (Visual)	Amber
Colour (ASTM D1500)	2.0
Viscosity @ 40°C (cSt)	17.1 (ASTM D 445)
Density @ 15°C	0.871 (ASTM D 4052)
Flash Point (°C) PMCC	143 (ASTM D 93)
Boiling Point (°C)	163-399
Freeze Point (°C)	-4