



PRODUCT INFORMATION SHEET

WYNN'S AUTOMATIC TRANSMISSION FLUSH

Product Number: 64401 24 x 325 ml

WYNN'S AUTOMATIC TRANSMISSION FLUSH is an automatic transmission cleaner, formulated to transform old automatic transmission fluid into a safe cleaning fluid which removes sludge and varnish deposits that could cause contamination of new transmission fluid and transmission filter plugging.

Wynn's Automatic Transmission Flush is formulated to be used in conjunction with the Wynn's Transerve® Automatic Transmission Flush and Fill Machine (Part No. 08601).

Introduction

Automobile manufacturers require scheduled transmission fluid changes in order to maintain warranty coverage. Following the warranty period, transmission fluid changes are still recommended on a specific schedule to maintain optimum condition of the transmission.

Transmission coolers, lines and torque converters are not typically drained during a traditional transmission fluid drain and fill. In fact, up to 75% of the used contaminated fluid can remain in the system.

Just like motor oil and engine coolant, transmission fluid deteriorates over time, forming damaging sludge and varnish deposits.

Automatic transmission fluid becomes contaminated and oxidized differently than engine oil. There are not combustion gases or "soot" loading or fuel dilution. The elements working against transmission fluid are extremely high pressures (hydraulic pressure as high as 300 psi), high temperatures, and constantly changing stress patterns and shearing in the torque converter. Moisture and engine coolant contamination, and temperature extremes, act to cause fluid degradation and oxidation in a similar manner that affects engine oil breakdown.

Wear metals are difficult to remove when much of the oil fluid remains in the transmission system. Much of this damaging debris stays in the transmission, slowly grinding away internal components.

According to a leading manufacturer of transmission fluid, the addition of new fluid to contaminated fluid can actually cause sludge and varnish deposits to clog filters and restrict the flow of transmission fluid. This can result in a serious malfunction, or even a complete transmission failure.

Advantages

Over 90% of automotive transmission failures are due to overheating and fluid contamination. Similar to a vehicle's engine oil, its automatic transmission fluid (ATF) acts as a lubricant and detergent, carrying away damaging heat and contaminants, and protects the transmission against wear and premature failure.

But unlike a vehicle's engine oil, most of the ATF is not replaced with a typical drain and fill service. In fact, the traditional automatic transmission service replaces 40 percent or less of this vital fluid. The remainder is trapped inside valve bodies, the torque converter and transmission cooler lines.

To make matters worse, the addition of fresh ATF can actually loosen damaging sludge and varnish deposits within the transmission, which can lead to faulty operation and even transmission failure.

But there's a better way. Wynn's patented Transmission Flush Service.

Wynn's Transmission Flush Service utilizes specially designed equipment that hooks-up to the transmission, and with the use of Wynn's Automatic Transmission Flush, safely power flushes out old fluid and contaminants. Fresh ATF is then pumped in along with Wynn's Automatic Transmission Treatment which revitalizes the seals and O-rings of the automatic transmission.

The Wynn's Transmission Flush Service provides virtually a 100% fluid replacement, as opposed to the 25-50% replacement with conventional "drop the pan" drain and refill services.

Benefits

A typical transmission flush replaces only 40% of contaminated fluid. Wynn's Transmission Flush removes over 95% of used fluid.

Over 90% of all automatic transmission failures are due to overheating and fluid contamination. Wynn's Transmission Flush Service safely powers away virtually all life-robbing dirty fluid and contaminants, extending the life of automatic transmissions and helping to avoid costly repairs or replacement.

The Wynn's Transmission Fluid Service in conjunction with Wynn's Automatic Transmission Flush, provides the following benefits;

- Safely removes varnish deposits and harmful sludge.
- Cleans all internal transmission components.
- Safely removes wear metal and moisture contaminants.

- Prepares automatic transmission for new fluid.
- Extends transmission fluid life.
- Helps smooth rough and hard shifting problems.
- Avoids messy transmission fluid drain and fill services.
- Avoids contact with automatic transmission fluid (ATF).
- Approved by major vehicle manufacturers.

Wynn's Automatic Transmission Flush transforms the old fluid into a safe cleaner to remove sludge and varnish deposits that could cause contamination of the new transmission fluid and transmission filter plugging.

Wynn's Automatic Transmission Flush makes the removal of suspended sludge, varnish deposits and wear metals possible, providing unparalleled maintenance and protection.

Deposits that can cause heat retention and poor transmission fluid flow are safely removed from the transmission cooler and lines by using Wynn's Automatic Transmission Flush in conjunction with the Wynn's TranServe II™ Automatic Transmission Flush and Fill Machine.

Applications

The Wynn's TranServe II™ Automatic Transmission Flush and Fill Machine makes the chore of transmission fluid changes much easier by connecting to the transmission through the cooler lines. The machine removed most of the old contaminated fluid from the entire transmission system including the torque converter, transmission cooler and all transmission lines.

Follow the directions provided with the Wynn's TranServe II™ equipment.

Add entire contents of 325ml bottle of Wynn's Automatic Transmission Flush through the transmission fill tube. Run vehicle engine for 10 minutes, with the vehicle in "PARK" and the parking brake set. Execute the transmission drain and fill process.

The transmission is then filled with new, OEM-approved automatic transmission fluid. Even if the pan removal is required to replace the filter, the TranServe II™ Machine can be used to drain the transmission fluid for easier, safer and cleaner pan removal.

Wynn's Automatic Transmission Flush is best used in conjunction with Wynn's Automatic Transmission Treatment (Product No. 64506) as part of Wynn's Automatic Transmission Kit (Product No. 10210).

Adding Wynn's Automatic Transmission Treatment revitalises seals and O-rings to help prevent fluid leaks that are common following traditional transmission fluid changes. Wynn's Automatic Transmission Treatment also extends the life of new transmission fluid to provide better protection between service intervals.

Typical Characteristics

Appearance	Clear Thin Liquid
Colour (Visual)	Amber
Colour (ASTM D 1500)	2.0
Viscosity @ 40°C (cst)	30.0 (ASTM D 445)
Viscosity @ 100°C (cst)	5.78 (ASTM D 445)
Viscosity Index	138 (ASTM D 2270)
Density @ 15°C	0.898 (ASTM D 4052)
Flash Point (°C) PMCC	127 (ASTM D 93)
Freeze Point (°C)	-23
Boiling Point (°C)	193

Performance Tests

DEXRON® III / MERCON® TEST PROGRAMME

Extensive testing was conducted on Wynn's Automatic Transmission Flush and Wynn's Automatic Transmission Treatment at the highly respected independent laboratory, Southwest Research Institute in Texas, USA, and covered the test requirements for GM DEXRON® III Automatic Transmission Fluid (ATF), as well as FORD'S MERCON® specification.

The testing highlights the key benefits of the combined Wynn's Flush/Treatment automatic transmission products, an integral part of the Wynn's Transerve II™ Transmission Flush Service, including:-

- REDUCED WEAR
- IMPROVED OXIDATION STABILITY
- IMPROVED FRICTIONAL PERFORMANCE

The testing documented no-harm in the use of Wynn's Automatic Transmission Flush or Wynn's Automatic Transmission Treatment, including seal compatibility, wear, and frictional performance.

Also, the tests document the improvement of automatic transmission fluid when using Wynn's Automatic Transmission Treatment.

The following is a "boiled-down" summary of the extensive tests that were conducted.

A. NEW ATF + WYNN'S TREATMENT

<u>DEXRON® III TESTS</u>	<u>REPORT NO.</u>	<u>DATE</u>
Chemical and Bench	CL-SW-2-563	02/01/97
Oxidation	OT-5-10-125	25/02/97
Wear	WV-3-11-308	31/12/96
Clutch Friction	HC3-7-535	22/12/96
Band Clutch Friction	BH6-2-364	15/01/97
Cycling	CT-4-1-138	22/02/97
Vehicle Performance	SFC-6-88	08/01/97
Aluminium Beaker Oxidation	1-6-88-525P	30/12/96

B. USED ATF

<u>DEXRON® III TESTS</u>	<u>REPORT NO.</u>	<u>DATE</u>
Chemical and Bench	CL-SW-9-570	03/02/97
Plate Clutch Friction	HC3-1-539	27/01/97
Band Clutch Friction	BH6-6-368	02/02/97
Wear	WV-3-2-311	29/01/97

C. USED ATF + WYNN'S FLUSH

<u>DEXRON® III TESTS</u>	<u>REPORT NO.</u>	<u>DATE</u>
Chemical and Bench	CL-SW-1-572	04/02/97
Band Clutch Friction	BH6-7-369	07/02/97
Wear	WV-3-3-312	02/02/97
Plate Clutch Friction	HC3-2-540	01/02/97