# Automatic-Transmission Fluid Exchange



### **Common Reasons For This Service**

- Depleted & Oxidized ATF
- > Towing of Boats, Trailers, etc.
- > Cooling System Failure
- Stop-and-Go Driving& Extreme Temperature
- Time and Mileage Refer to owner's manual for minimum recommendations.

#### The Benefits

- > Cleans Automatic Transmission
- > Helps Prevent Oxidation Breakdown
- > Helps Keep Seals Soft and Pliable
- Helps Maintain Proper Shifting

### Engage Your Automatic Transmission in Regular Maintenance

Replacing or rebuilding the automatic transmission is an extremely expensive repair. Still, it's a cost that too many drivers experience. Why? The automatic-transmission system uses clutch packs, and when you speed up or slow down, the gear change is made automatically to ensure a smooth transition. This smooth transition, however, is facilitated by overlapping clutch-pack applications that cause gears to grind against one another. When you 'shift' in an automatic transmission-vehicle, you open the ATF fluid to contaminants like clutch material and metal particles from other internal components. Also accelerating wear is extreme heat that's generated by this process. If you haven't already, please rethink the importance of an Automatic-Transmission Fluid Exchange:

- Approximately one-third of transmission problems result from fluid breakdown
- Traditional transmission services only remove about 30% of old fluid; large amounts of debris are left behind
- Heat is the catalyst for the breakdown and oxidation of fluid



The ATF Exchange Machine in Process U.S. PATENT NO. US 6,698,472 B2



(A simulation of typical results)

#### The Process

A MOC® cleaner is added to the old ATF and circulated throughout the vehicle's transmission system to clean and suspend residue such as wear-particles and varnish deposits. The contaminated fluid is then evacuated from the entire system, while clean ATF is pumped into the transmission system. Finally, MOC® ATF Supplement is added, which helps fortify new fluid, resist oxidation breakdown, and keep seals soft and pliable.

### Cooling-System Fluid Exchange



## **Common Reasons For This Service**

- High Operating Temperatures
- > Extreme Driving Conditions
- ) As a Pre-summer Tune-up Service
- No Knowledge of Used-car Service History
- Poor Coolant and Water Quality
- Low Fluid Levels
- Air in System
- Silicate Fallout
- ) Oil Seepage
- Scale and Corrosion
- > Time and Mileage

Refer to owner's manual for minimum recommendations.

### The Benefits

- Helps Prevent Engine Overheating
- Helps Prevent Engine Freeze-up
- Can Improve Coolant Circulation
- Helps Protect Against Rust & Corrosion, Increasing the Life of Your Cooling System

#### Don't Get Left Stranded!

An overheated radiator is second only to tire failure as the most common reason why you'll see a motorist stranded on the side of the road. Help combat the effects of both high temperatures and extreme driving conditions by undergoing our Cooling-System Fluid Exchange.



**Coolant-Fluid Exchange Machine** 

### The Process

Using state-of-the-art equipment, the technician exchanges out and removes any old and contaminated coolant, replacing it with new coolant and a corrosion-control treatment. This process helps prevent coolant breakdown & expensive damage to the engine and/or radiator.



If the Radiator is Neglected, Rust and Corrosion Can Form, Causing Leaks and System Failure