



## Transmission Fluid Flush

Did you know that, a common cause of transmission failures is due to overheating and fluid contamination? Just like the oil in your vehicle's engine, automatic transmission fluid (ATF) suffers from heat, friction and electrochemical degradation. Once this process starts, your transmission's vital parts begin to build up with sludge and varnish deposits.

Unlike your vehicle's engine, where all the oil can be drained out, most of the transmission fluid doesn't drain into the transmission pan. Instead, it stays in the torque converter, valve body and transmission cooler lines, making a complete fluid drain impossible. In fact, the typical transmission service only replaces 1/3 of the contaminated fluid, leaving behind 2/3 contaminated fluids to mix the new ATF.

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 complete failure of an automatic transmission.

We at Buehler Automotive have a transmission fluid-flushing machine to provide you with a service procedure that safely removes varnish and sludge deposits and cleans the internal transmission components, including the transmission cooler, valve body and torque converter. This service is also the best way to remove the old oil and wear materials that are circulating in your vehicle's transmission fluid and slowly eroding away it's internal components. At the same time we replace the transmission filter, cutting the old filter open to inspect for contaminants and debris and advise you of any abnormal findings. All vehicles equipped with an electric controlled transmission, are scan checked to test operation and integrity of the circuits and sensors.

Our service procedure begins by adding a cleaning agent to the fluid then road testing the vehicle to observe for any abnormal operation. The flushing process is then done and any accessible hardware is checked for correct torque. The pan is cleaned and a new filter is installed. The process is completed, by adding a conditioner to revitalize the seals and o-rings in the transmission.

We would like you to be aware that many advertised transmission services do not replace or inspect the transmission filter. Their service connects onto the cooler lines to perform a fluid exchange only. There is no inspection of the transmission pan or filter, which could warn you of a pending problem.

Preventative maintenance may well prevent a major repair or even the need for a replacement transmission. All automotive manufacturers recommend regular scheduled service. As transmission specialists, we recommend a transmission service every 2 years or 50,000 km. on non-commercial vehicles.