

Over Pressurization of Spin-On Filters

Occasionally after performing an oil and filter change, over pressurization occurs and causes oil leaks. Some of the potential symptoms may be that the gasket is bulging out and/or signs of deformation on the top of the filter can. This may occur:

- A. Right after installation, when checking for leaks an immediate very high pressure pushes the gasket out and a strong stream of oil leaks out.
- B. Leaks occur within several miles to few hundred miles of driving. The gasket bulges out, oil leaks and in some cases the can exhibits deformation on the top of the filter. (Images shown below.)

This condition is caused by excessive oil pressure (see attached bulletin). Over-pressurization is the result of malfunction in the operation of the check valve of the oil pump. The malfunction could mainly be a result of:

- 1. Mechanical failure of the oil pump - In such case part replacement is inevitable
- 2. Oftentimes this could be a result of residual deposits of "gunk" and heavy sludge may be dislodged from the oil pan and finds its way through the system. This may be addressed by flushing the engine *. At that point, it is recommended that an engine flush be utilized to remove those deposits from the engines ball & spring oil pressure relief valve as well as the rest of the system.

* Follow the engine-flush manufacturer's instructions relating to its proper use as well as any of the vehicle manufacturers text concerning the use of engine flush in that particular vehicle.

