Protect your AC System (compressor) by installing an in-line filter – Easy protection for the AC system after flushing

After the most thorough flush, it is not uncommon to find some debris left in the system. Typically, it will show up on filter screens or at the inlet of the orifice tube. If you have properly flush the system (see previous rapport), you should be left with a clean system ready for service. However, as a precaution and to help insure against future failure, it is recommended to use a high side in-line filter (ref MT3200) to ‘catch’ anything that could have been missed.

This in-line filter provide a simplified robust leak free installation. This filter replaces the single “O” ring with a robust tapered sealing sleeve. This sleeve provide 10 times the sealing area and greatly increases the seal’s ability to overcome field tube irregularities. The additions of slots on the brass collar permits the collar to seat correctly on the first installation as well as increase compression on the sleeve.

Installation instructions:

- Before re-assemble the AC system, install the in-line filter in the high side of the AC system, between the condenser outlet and the orifice tube (expansion valve) inlet. It is important to ‘protect’ flow through the expansion device.
- Complete assembly of the AC system.
- Vacuum, leak test and recharge the system with full spec factory charge.
- Operate the AC system at 1500 RPM, with fan speed at high. You should plan to operate the system for at least ½ to one hour. Look always to the pressure readings. If for any reason you determine a loss in cooling performance or a drop in pressure gauge readings, discontinue operation, recover refrigerant and inspect.
- Once the system has operated for up to one hour, recover the refrigerant charge, remove the in-line filter and inspect for any debris. You can easily clean the filter housing.
- Reassemble the filter, install it back into the high side line, vacuum and recharge the system.

This filter remains in the system to guard against the development of future contamination and debris. You still have to recover the refrigerant from the system before opening the filter, but the concept of cleaning, just the filter element is far more cost effective than having to replace the entire filter.