



Technical Bulletin

Compressor

Vehicle Type

Passenger Car

A/C LOOP FLUSH AFTER COMPRESSOR FAILURE

BACKGROUND

The A/C system must be thoroughly flushed in the event of a compressor failure to prevent particles remaining inside the A/C loop. Rapid catastrophic failure of the new compressor will occur if a flush of the system is not carried out. Removing and cleaning individual components from the system will not be sufficient. Only flushing the system using appropriate equipment (available as an option for Valeo ClimFill unit, P/N 699955) which has been connected into the A/C loop will sufficiently eradicate damaging particles. A clean A/C system is most important for the system to remain functioning perfectly and efficiently

Example of damage found to a compressor which suffered a premature failure due to particles inside the A/C system.



Particles found in casing



Damaged piston rings

Damage to scroll plate



Additional piston damage



Damage to piston crown

Flushing the system is regarded as one of the most important steps during A/C system repair. A compressor failure should not be the only reason to prompt a flush of the A/C system. Contaminates such as abrasive metal particles, elastomer and silicone particles from the filter dryer, humidity retention and contaminated refrigerant oil are all damaging to the system.