

Technical Bulletin

Bulletin No: TCH-001-020

Effective Date: 10/15/80

Cancels: NA

Page: 1 of 1

**Subject: COMPRESSOR FAILURES SALEM MODEL 990
AFTERCOOLER**

Results of investigations to date indicate that the installation of a Graham-White Salem Model 990 Aftercooler with a Bendix air compressor (when turbocharged) may cause compressor failure. Bendix Commercial Vehicle Systems believes that the failures are caused by restrictive air flow characteristics of the Salem 990 Aftercooler, particularly in cold weather. The restricted air flow causes pressure build-up in the compressor and discharge line upstream from the aftercooler.

The most common failures described to Bendix Commercial Vehicle Systems to date are blown compressor head gaskets and deformation of connecting rod inserts; however, total compressor and/or discharge line failure is possible. Bendix Commercial Vehicle Systems finds it necessary, therefore, to recommend that installations as described above be repiped to bypass the aftercooler or repiped to include a safety valve at the inlet of the aftercooler. (165 p.s.i. setting.)

As a result of the above, all warranty claims for compressors used in conjunction with the Salem 990 Aftercooler with the type of failures described will not be honored by Bendix Commercial Vehicle Systems.

Testing is continuing. We will advise of further developments as soon as possible.

