

Technical Bulletin

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Page: 1 of 1

Subject: INLET CHECK VALVE REMOVAL

In a joint study conducted by Bendix and International it was determined that compressor oil passing was greatly reduced on some applications when the Inlet Check Valve (ICV) was removed. The applications tested were International engines with the Bendix Tu-Flo 550 or Tu-Flo 750 Compressors and an ICV. It was determined that this application creates a high vacuum on the inlet side of the compressor, resulting in excessive compressor oil passing.

It is recommended that if a compressor is experiencing excessive oil passing, and meets the application criteria above, that the inlet check valve be removed and the inlet adapter be re-installed with new mounting hardware. The illustration below identifies the components that make up the inlet check valve.

Before returning the vehicle to service, thoroughly drain all air reservoirs and clean and service the AD-9 or AD-IP Air Dryer thoroughly. If the excessive oil passing still persists refer to the Bendix Troubleshooting Compressor Oil Passing guide BW1971 prior to the removal of the compressor for replacement.

