

This information is specific to the BA-921 Air Compressor



### Before Replacing Your Bendix BA-921 Air Compressor:

Having trouble getting your recently installed Bendix BA-921 air compressor to build air pressure properly? There are several possible causes for this problem. Try checking the following issues:

- 1. Discharge Line Restriction:** Inspect discharge line for oil soot,\* kinks, and other restrictions. This is especially critical in older trucks. Delayed discharge line maintenance will result in soot obstruction and prevent adequate air pressure.
- 2. Air Inlet Restriction:** A dirty air filter, kink or contamination can restrict airflow to the compressor.
- 3. Inlet Check Valve:** The ICV keeps positive pressure on the piston while compressor is in unloading mode. Compressor can become contaminated with oil or carbon buildup when ICV is obstructed.
- 4. Governor Malfunction.** Replace governor if cut-in and cut-out pressures are not within vehicle OEM specification.
- 5. Air Dryer Malfunction:** Replace the air dryer if:
  - a. Pressure protection valves in integrated air dryers don't open.
  - b. Compressor cycles constantly (stays unloaded only a short time.)
  - c. Exhaust port is frozen open.
  - d. Air dryer purge valve or delivery check valve is malfunctioning.
- 6. Debris inside compressor:** Debris from previous damage, such as a catastrophic compressor failure, can pass through the system and become lodged in compressor reed valve, cylinder, or other cavities.

Use a vacuum to remove debris. DO NOT USE COMPRESSED AIR. Blowing debris further into the system can damage a new compressor.

*\*Excessive oil soot is the primary cause of air brake charging system restriction and may be caused by excessive compressor temperature. Ensure the coolant flow to the compressor is unrestricted and working properly, and that the coolant/water ratio is correct.*

