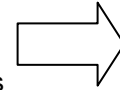


# Sanden Compressor On-Vehicle Warranty Functional Test Procedure

1) **Is compressor rotation smooth?**

With vehicle off turn the compressor shaft with a 14mm socket to check for smooth rotation. Grinding or hanging during shaft rotation is caused by broken components within the compressor.

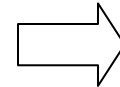


**Yes** - Continue with steps 2 through 4

**No** – Remove compressor and return for evaluation<sup>1</sup>

2) **Is field coil receiving greater than 11.5 volts?**

This test should be conducted with engine running and clutch engaged.

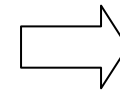


**Yes** – Continue with steps 3 through 4

**No** – Correct vehicle electrical system

3) **Is field coil resistance between 2.8 ohms and 4.4 ohms?**

Coil resistance outside of this range will not engage or will cause fuses circuits to open.

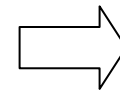


**Yes** – Continue with step 4

**No** – Remove compressor and return for evaluation<sup>1</sup>

4) **Is compressor capable of producing 350 psig or more?**

Excessive high pressures can be artificially produced by preventing air flow across the condenser. Preventing air flow through the condenser minimizes heat removal from the system resulting in high discharge pressure. This can be best accomplished by disconnecting the fan solenoid.



**Yes** – Compressor is functioning do not remove compressor

**No** – Use flow chart below

