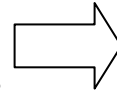


Sanden Compressor On-Vehicle Warranty Functional Test Procedure

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.

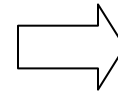


Yes - Continue with steps 2 through 4

No – Remove compressor and return for evaluation

2) **Is field coil receiving the required voltage (11.5V minimum for a 12V system; 22.5V minimum for a 24V system)?**

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

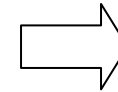


Yes – Continue with steps 3 through 4

No – Correct vehicle electrical system

3) **Is field coil resistance correct (between 2.8Ω and 4.4Ω for a 12V system; between 14.5Ω and 18.2Ω for a 24V system)?**

If coil resistance is outside this range, the clutch may not engage (too high) or vehicle fuses may blow (too low)

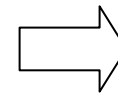


Yes – Continue with step 4

No – Remove compressor and return for evaluation

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

