



KIT O RING - SOLENOID ORIFICE

100241, 100242.



Installation and servicing of Danfoss Turbocor® compressors by qualified and product trained personnel only. Follow these instructions and sound refrigeration/electrical/servicing practices relating to installation, commissioning, maintenance and service.

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| <p>Consult the appropriate DTC Service Manual on turbocor.danfoss.com for detailed service instructions.</p> | <p>Never power compressor without covers in place and secured.</p> <p>Removing the mains input cover will expose you to a voltage hazard of up to 575V. Ensure the mains input power is off and locked out before removing cover.</p> <p>Before removing top cover, wait at least 20 minutes after isolating AC power to allow the high voltage capacitors to discharge.</p> | <p>Always wear appropriately rated safety equipment when working around equipment and/or components energized with high voltage.</p> <p>This equipment contains hazardous voltages that can cause serious injury or death.</p> | <p>Recover all refrigerant from compressor in accordance with local codes and ensure pressure is fully vented before the removal of refrigerant containing components.</p> |
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1 - Introduction:

O RING - SOLENOID ORIFICE Removal and Installation Instructions.

2 - Removing Refrigerant from Compressor:

- Recover refrigerant from compressor in accordance with local codes and practices.



3 - Replacement Procedure:

1. Remove side service cover from compressor. Remove solenoid coils from plungers. Note and mark coil location as left or right solenoid (Motor or electronics) as coils will be required to be reinstalled on the same plunger location
2. Ensure there is no refrigerant pressure in compressor by removing flare cap from Schraeder valve and depress core plunger and by loosening compressor liquid feed connection cap/ flare nut.
3. Unscrew plunger only from compressor housing. (Leave orifice body in housing).
4. Unscrew orifice body from housing and remove both O rings.
5. Clean O ring grooves on orifice body. Apply lube to O rings (Supplied separately) and install on orifice body.
6. Install orifice body into housing and torque to 7.0 Nm (5.2 ft lb, 62 in lb). Take care to ensure that correct orifice body is installed into correct location.
7. Remove O ring from plunger, clean O ring and plunger body. Apply lube to O ring. Reinstall on plunger.
8. Check that plunger moves freely by exercising action of spring by hand ~10 cycles.
9. Screw plunger into orifice body housing, torque to 4.0 Nm (2.9 ft lb, 35.4 in lb)



10. Reinstall coils, washer and nuts. (Take care to reinstall coils in correct location)
11. Pressurize compressor, leak test and evacuate as per local codes and requirements.
12. Reinststate compressor to operation, start and check functionality operation of cooling solenoids by observing Cooling Mode operation and Cavity, Inverter, SCR and Motor temperature values.
13. Replace side Service cover.

4 - Kit Contents

| QTY | Part(s) Description | Picture(s) |
|-----|---------------------|---|
| 1 | 'O' RING |  |
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