



KIT PLUNGER ASSEMBLY FOR SOLENOID VALVE

100280.



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.

<p>Consult the appropriate Danfoss Turbocor Compressors Inc. (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:

PLUNGER ASSEMBLY FOR SOLENOID VALVE Removal and Installation Instructions.

This kit contains the Plunger Assembly and O-ring. Please refer to our Service Manual for further details regarding the replacement of the Plunger Assembly.

We have made the **TTS/TGS/TTH/TGH Service Manual** available to anyone. To access the manual, you may scan the applicable QR code below or you may go to our DTC website at www.turbocoroem.com. At the top of the page there is a pull-down menu called "Quick Links." Click this menu and select the appropriate service manual.

Refer to the applicable QR code below to download the TTS/TGS/TTH/TGH Service Manual.

English



Chinese




2 - PLUNGER ASSEMBLY FOR SOLENOID VALVE Removal Instructions:

1. Isolate compressor power.
2. Isolate the compressor from the refrigerant circuit and recover the refrigerant according to industry standards.
3. Remove the Service Side Cover.
4. Remove the solenoid coil retaining nuts and beveled washers.
5. Note and mark the position of each coil (left and right) as they need to be installed in the same orientation once the repair has been completed.
6. Remove the Solenoid Coils.
7. Remove the plunger assembly from the orifice body using a six-point 13mm deep socket.

3 - PLUNGER ASSEMBLY FOR SOLENOID VALVE Installation Instructions:

1. Clean mating surfaces and lubricate new O-ring, then install the O-ring.
2. Check that the plunger moves freely by exercising action of spring by hand ~10 cycles.
3. Insert the Plunger assemblies into the Orifice Bodies and engage the first few threads by hand.
4. Tighten the Plunger assemblies using a six-point 13mm deep socket and torque to 4 Nm (35 in.lb.).
5. Leak test and evacuate compressor in accordance with standard industry practices.
6. Install the solenoid coils onto the plunger assemblies in the correct orientation as previously noted in the Removal instructions.
7. Install the beveled washers and solenoid coil retaining nuts to secure the Solenoid Actuator Coils.
8. Install the Service Side Cover.
9. Return the compressor to normal operation.

4 - Kit Contents:

QTY	Part(s) Description	Picture(s)
1	Plunger Assy: Solenoid (Including O-ring)	

5 - List of Changes

Revision	Date	Description of Change
M	1/19/2022	Kit numbers were updated. The kit old kit numbers were removed from the top of this instruction and the new ones were added. 100233 – No longer used 100235 – Replaced by 100280



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