


# KIT MOTOR POWER FEED

110093, 110054.

|   |   |   |   |
|---|---|---|---|
|  <p><b>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.</b></p> |   |   |   |
| <p>Consult the appropriate Danfoss Turbocor Compressors Inc. (DTC) Service Manual on <a href="http://turbocoroem.com">turbocoroem.com</a> for detailed service instructions.</p>  | <p><b>Never power compressor without covers in place and secured.</b></p> <p><b>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.</b></p> <p><b>Before removing top cover, wait at least 20 minutes after isolating AC power to allow the high voltage capacitors to discharge.</b></p> | <p>Always wear appropriately rated safety equipment when working around equipment and/or components energized with high voltage.</p> <p><b>This equipment contains hazardous voltages that can cause serious injury or death.</b></p> | <p><b>Recover all refrigerant from compressor in accordance with local codes and ensure pressure is fully vented before the removal of refrigerant containing components.</b></p> |

## 1 - Introduction

VTT/VTX Motor Power Feedthrough replacement.

This kit contains the Rear Bearing Power Feed Through. Please refer to our Service Manual for details regarding the replacement of this component.

We have made the **VTT/VTX 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](http://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 VTT/VTX Service Manual.

**English**



**Chinese**



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## 2 - MOTOR POWER FEEDTHROUGH Removal Instructions

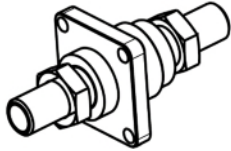
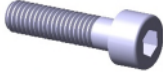





1. Isolate VTT/VTX power as described in Section "Electrical Isolation of the VFD" of the Service Manual (M-SV-VT-001).
2. Isolate the compressor and recover the refrigerant according to industry standards.
3. Remove the Motor Power Cover.
4. Remove the Terminal Block Assembly.
5. Remove the Tower Plate.
6. Remove the Motor Power Feedthrough(s).

## 3 - MOTOR POWER FEEDTHROUGH Installation Instructions




1. Install the Motor Power Feedthrough(s).
2. Install the Tower Plate.
3. Install the Terminal Block Assembly.
4. Leak test and evacuate compressor in accordance with standard industry practices.
5. Install the Motor Power Cover.
6. Return the compressor to normal operation.
7. Test run the compressor to verify proper operation.

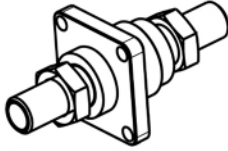
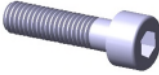








## 4 - Kit Contents

**Note:** Any part numbers included in the kit contents are internal part numbers only. Please refer to our Spare Parts Manuals for any kit part numbers.

| Kit numbers |                              | Compressor models   |
|-------------|------------------------------|---|
| 110093      |                              | VTT/VTX   |
| QTY         | Part(s) Description          | Picture(s)  |
| 1           | FEEDTHROUGH - MOTOR POWER    |  |
| 4           | SCREW, M6 – 902406           |  |
| 14          | WASHER, M6 SPLIT – 940200    |  |
| 10          | SCREW, M6 – 902481           |  |
| 10          | WASHER, M6 FLAT – 940199     |  |
| 2           | NUT, M16X1.5, BRASS – 902625 |  |
| 2           | WASHER, M16 SPLIT – 902365   |  |

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|   |                                     |   |
|---|-------------------------------------|---|
| 2 | WASHER, M16 FLAT – 902360           |  |
| 1 | O-RING – Motor Feedthrough – 901855 |  |
| 1 | O-RING - CUSTOM - TOWER PLATE       |   |

| Kit numbers | Compressor models                   |   |
|-------------|-------------------------------------|---|
| 110054      | VTT/VTX                             |   |
| QTY         | Part(s) Description                 | Picture(s)  |
| 3           | FEEDTHROUGH - MOTOR POWER           |    |
| 12          | SCREW, M6 – 902406                  |    |
| 22          | WASHER, M6 SPLIT – 940200           |  |
| 10          | SCREW, M6 – 902481                  |  |
| 10          | WASHER, M6 FLAT – 940199            |  |
| 6           | NUT, M16X1.5, BRASS – 902625        |  |
| 6           | WASHER, M16 SPLIT – 902365          |  |
| 6           | WASHER, M16 FLAT – 902360           |  |
| 3           | O-RING – Motor Feedthrough – 901855 |  |
| 1           | O-RING - CUSTOM - TOWER PLATE       |   |

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