

### 5.2.1 Kits description

Number	Description	Content	Quantity
8548206	Adapter kit for the common oil and gas equalization line, including the complete equalization line and parts for closing gas/oil equalization rotalock ports	Gaskets, cap nuts, blanking caps, adapters, complete equalization line 425 mm	1 x per Tandem
8548217		Gaskets, cap nuts, blanking caps, adapters, complete equalization line 455 mm	1 x per Tandem

Table 8: Tandem kit description

### 5.2.2 Complete kit with adaptors and oil equalisation line

ZZ18M3E to ZZ28M3E, ZZ32M3E - Ident number 8548206

ZZ31M3E, ZZ35M3E, ZZ38M3E - Ident number 8548217

Installation of the oil and gas equalisation line via the oil sight glass connection of the compressor.



Figure 2: Tandem replacement kit

### 5.2.3 ZZ Tandem - Replacement of one compressor

For the replacement of one compressor from a ZZ Tandem, Emerson Climate Technologies recommends the following procedure:

- Replace the faulty tandem version compressor with a suitable single compressor (see replacement **Table 2** in chap. 4.1).
- Remove the present gas equalisation and the oil equalisation lines.
- Use the Copeland® brand products adapter kit to install the equalisation lines (see the following pages).
- Shut-off the connection for the gas equalisation at the remaining compressor with the blanking cap (**Figure 3**) or crimp and braze the tube.
- Shut-off the connection for the oil equalization at the remaining compressor with the blanking cap (**Figure 4**).

*Blanking cap - Ident number 8545003 to shut-off the compressor connection for the gas equalisation.*

*Blanking cap - Ident number 8502420 to shut-off the compressor connection for the oil equalisation.*



Figure 3: Blanking cap – gas equalisation



Figure 4: Blanking cap – oil equalisation

- Assemble the common gas and oil equalization line:
  - Remove the oil sight glasses out of both compressors.
  - Install the adapter (**Figure 5**) and the O-ring on the oil sight glass connection of the compressors.
  - Use the Teflon gasket to install the common equalization line (**Figure 6**) on the Rotalock connection of the adapter (**Figure 5**).
  - The common equalisation line (**Figure 6**) is available in two different lengths.



Figure 5: Adapter



Figure 6: Common equalisation line

## 6 OEM assembly

For OEM-made Tandem and Trio assemblies using the former design of gas and oil equalization, an additional kit must be ordered as per **Table 7** in chapter 5.2. This applies to compressor BOM listed in **Table 9** hereunder.

Connection	Module	Discontinued model BOM	Replacement model BOM
Rotalock	24 V	540	961
	230 V	570	
Braze	24 V	542	
	230 V	572	

Table 9: Bill of material for OEM assembly

## 7 Other variations and exceptions

BOM	Description	Special action
591	Rotalock compressor with INT69SC2 -24V DC	Module Ident 8558536 to be ordered separately with service compressor BOM 961
651	Identical to 551	None
A674	Identical to 551	None

Table 10: Other variations and exceptions