

# CR, CRN 95-255

Replacement of wear parts

Service kit instructions



Service instructions

<http://net.grundfos.com/qr/i/99233360>

be  
think  
innovate

**GRUNDFOS** 

# English (GB) Service kit instructions

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## 1. General warning

### English (GB)



Warning

Before starting service work, read the safety instructions supplied with the product.

### Dansk (DK)



Advarsel

Læs sikkerhedsanvisningerne der blev leveret med produktet, før du foretager servicearbejde.

### Deutsch (DE)



Warnung

Vor der Durchführung irgendwelcher Reparaturarbeiten ist die mit dem Produkt mitgelieferten Sicherheitshinweise sorgfältig durchzulesen.

### Español (ES)



Advertencia

Antes de comenzar el trabajo, lea las instrucciones de seguridad suministradas con el producto.

### Français (FR)



Avertissement

Avant toute intervention, consulter les consignes de maintenance fournies avec le produit.

**Italiano (IT)**

Avviso

Prima di iniziare i lavori di manutenzione, leggere le istruzioni di sicurezza fornite con il prodotto.

**Português (PT)**

Aviso

Antes de iniciar o serviço de manutenção, leia as instruções de segurança fornecidas com o produto.

**Русский (RU)**

Предупреждение

Перед началом работ по сервисному обслуживанию необходимо прочитать сервисное руководство, поставляемое с продуктом.

**中文 (CN)**

警告

在开始维修工作前，请参阅与产品一起随附的安全手册。

**日本語 (JP)**

警告

作業を始める前に、製品に添付された安全上の説明書をお読みください。

**한국어 (KO)**

경고

서비스를 수행하기 전에, 제품과 함께 제공된 안전 이용 수칙 (Safety instructions) 을 반드시 읽으십시오.

## 2. Dismantling

DK: Demontering

DE: Demontage

ES: Desmontaje

FR: Démontage

IT: Smontaggio

PT: Desmontagem

RU: Демонтаж

CN: 拆卸

JP: 分解手順

KO: 분해

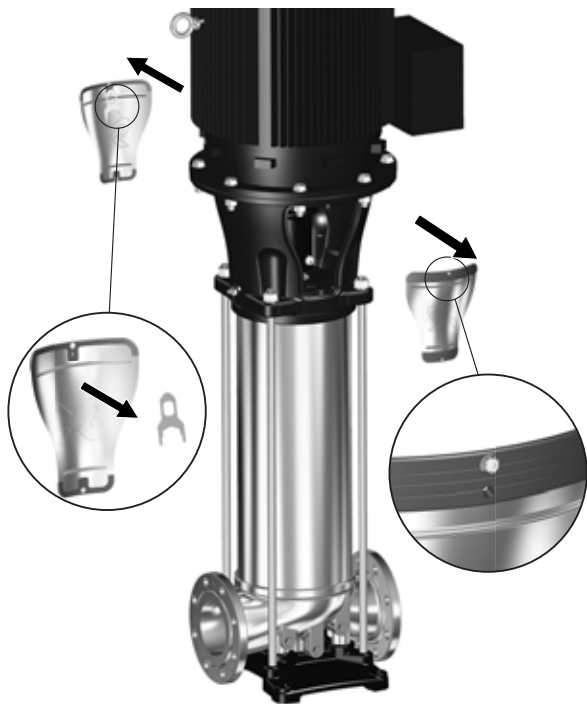


Fig. 1

TM07 0893 1018

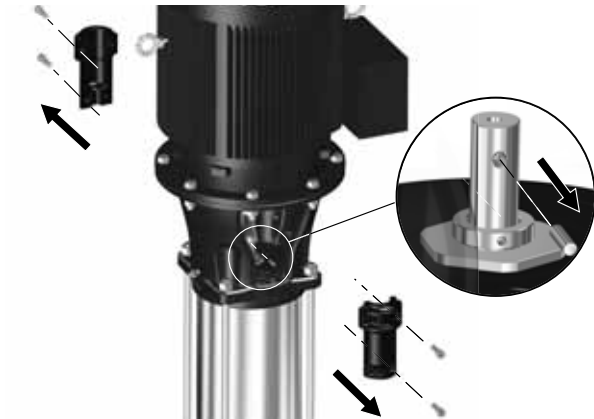


Fig. 2

TM07 0894 1518

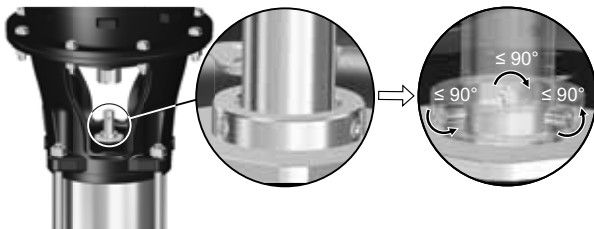


Fig. 3

TM07 0895 1318

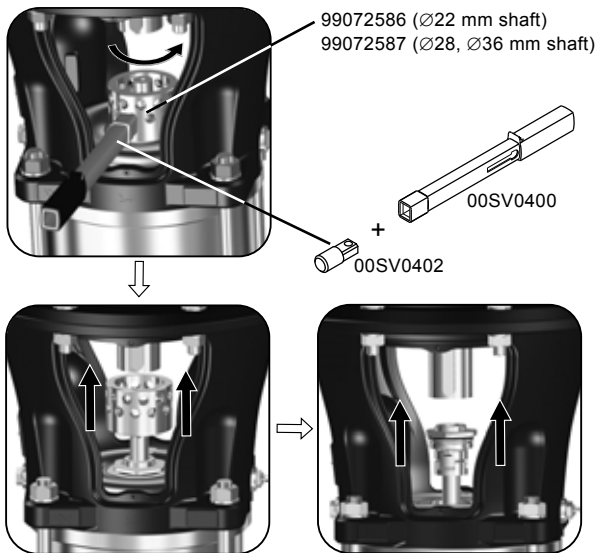


Fig. 4

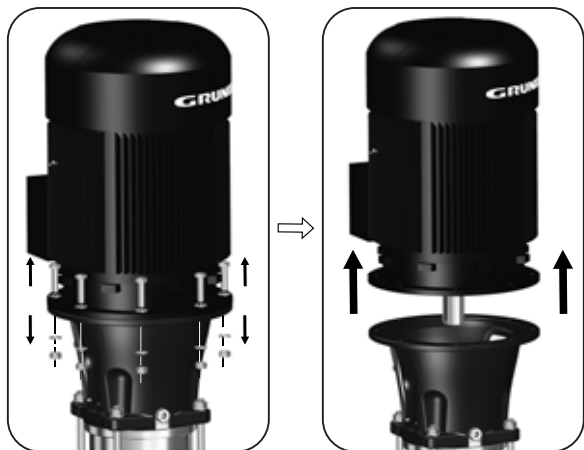


Fig. 5

TM07 0899 1218

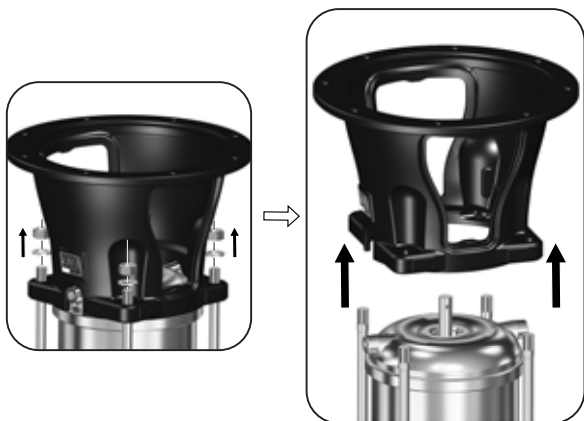


Fig. 6

TM07 0902 1218

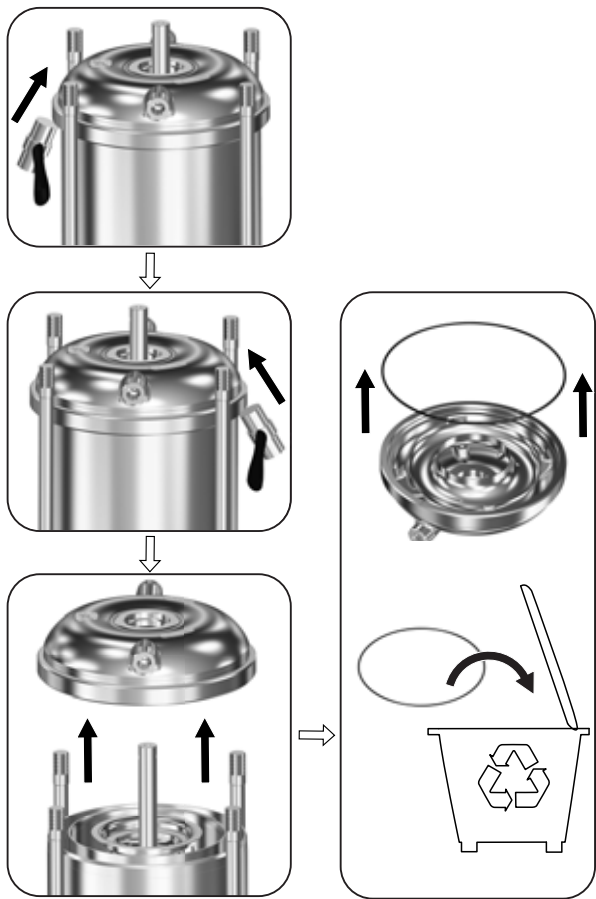


Fig. 7

TM07 0904 1518



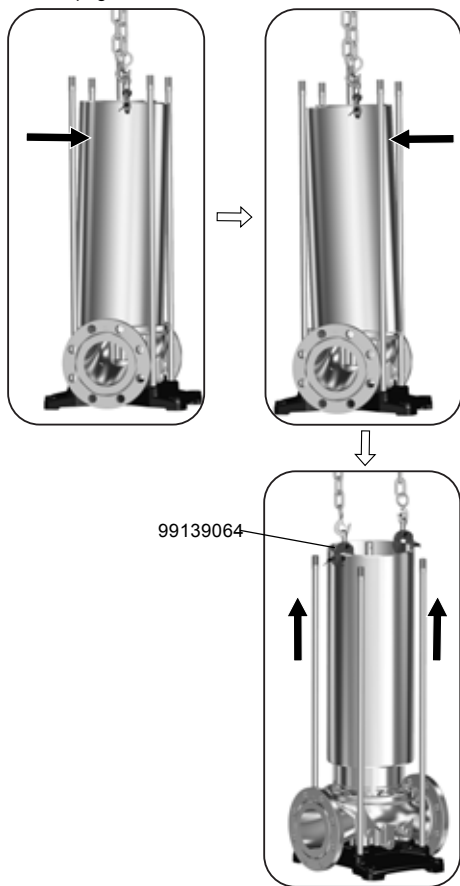
$\geq 75$  kW $\leq 55$  kW: Go to page 10

Fig. 8

≤ 55 kW

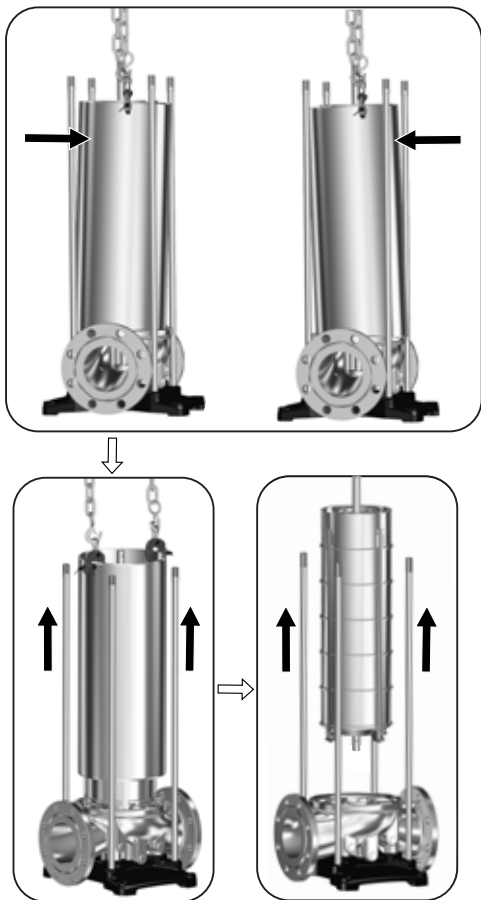


Fig. 9

TM07 1579 1218

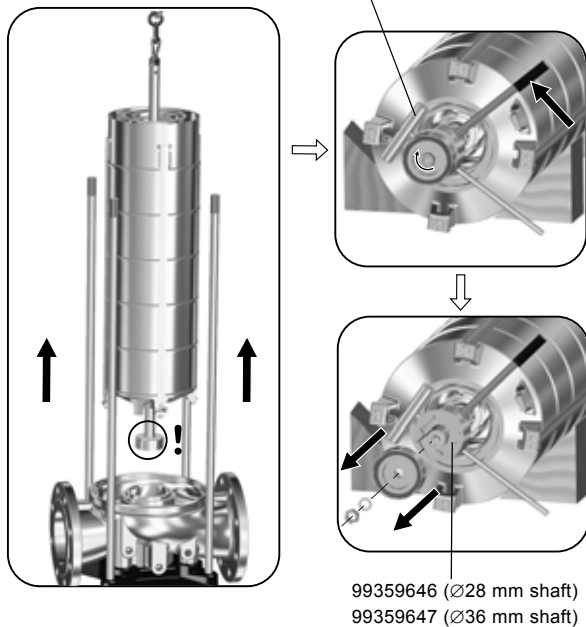
$\geq 75$  kW $\leq 55$  kW: Go to page 12

Fig. 10

TM07 0912 1418

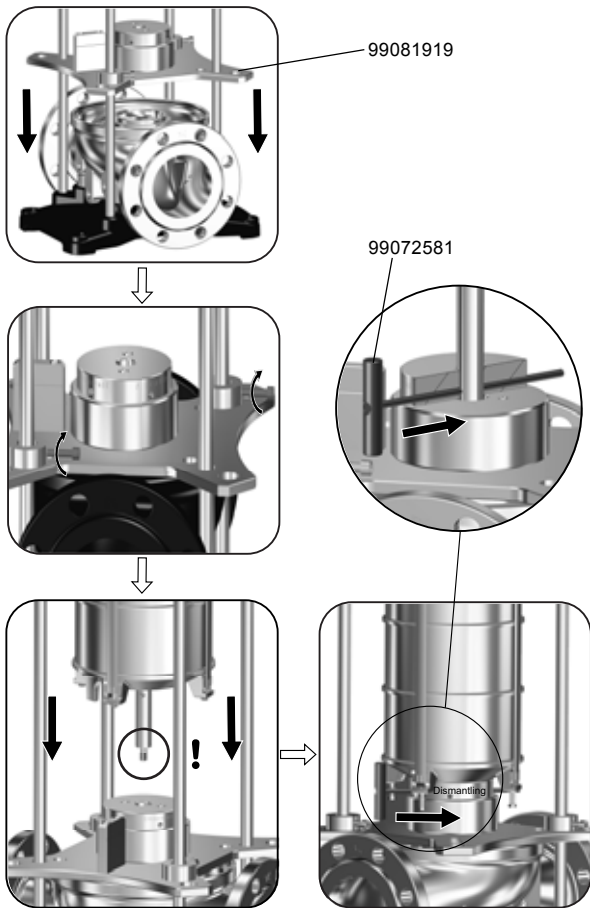


Fig. 11

TM07 0918 1718

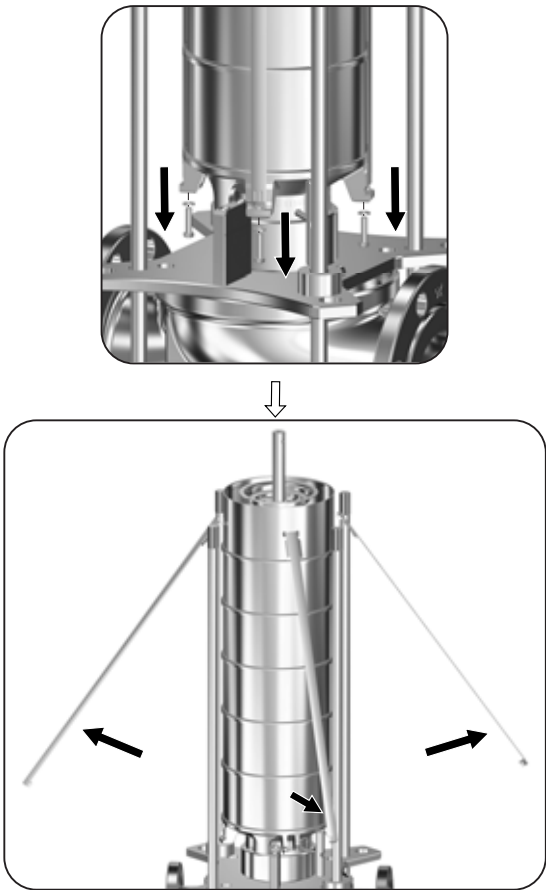


Fig. 12

TM07 0919 1218

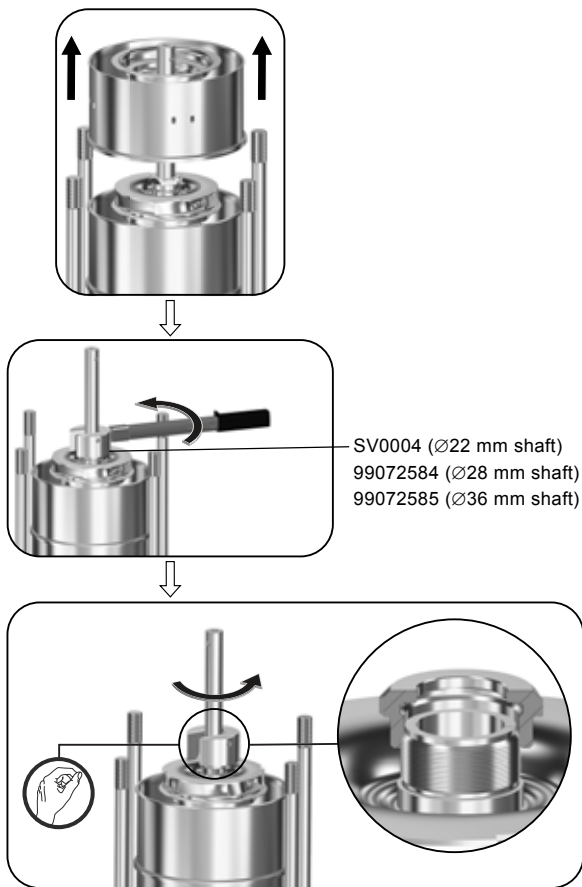
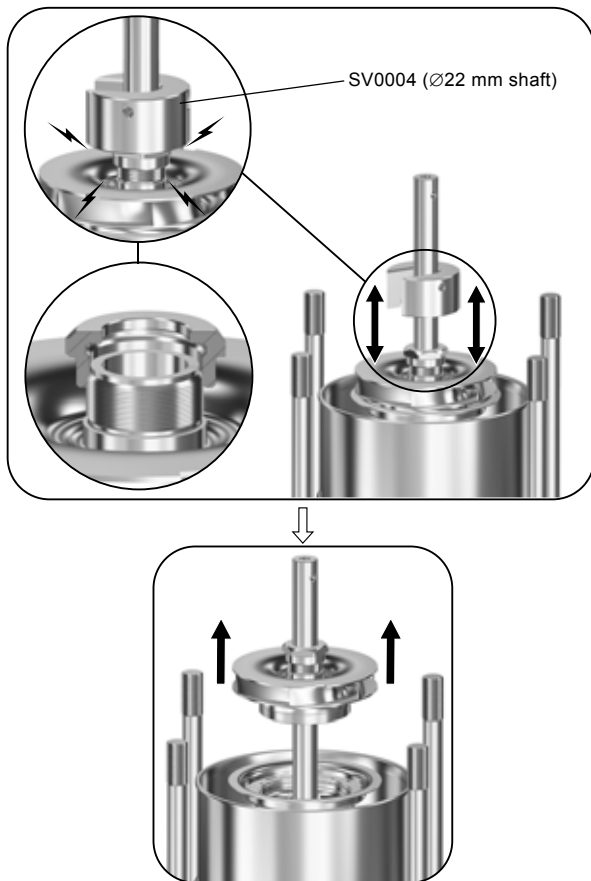


Fig. 13

TM07 0921 1418

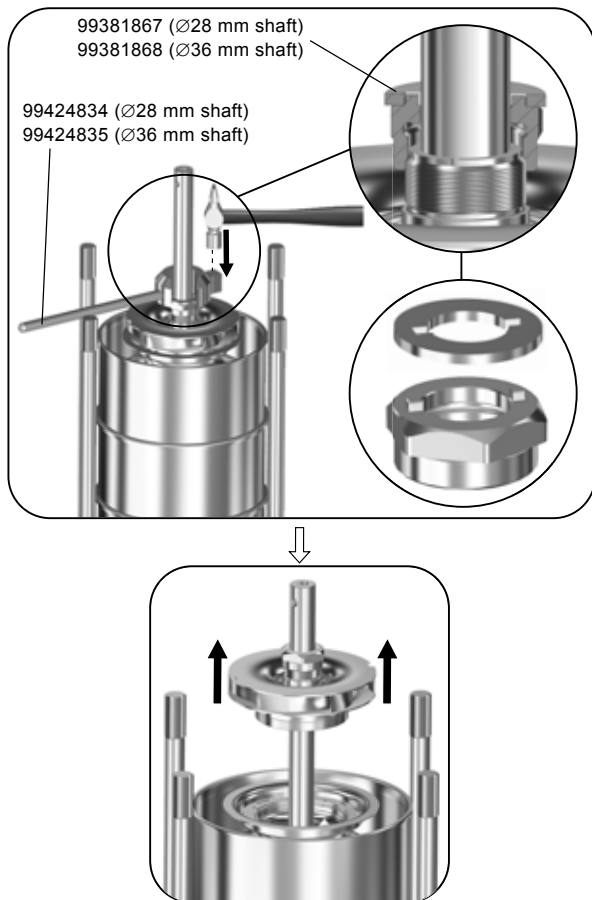
**Ø22 pump shafts**

Ø28, Ø36 pump shafts: Go to page 16

**Fig. 14**

**Ø28, Ø36 pump shafts**

Ø22 pump shafts: Go to page 15

**Fig. 15**



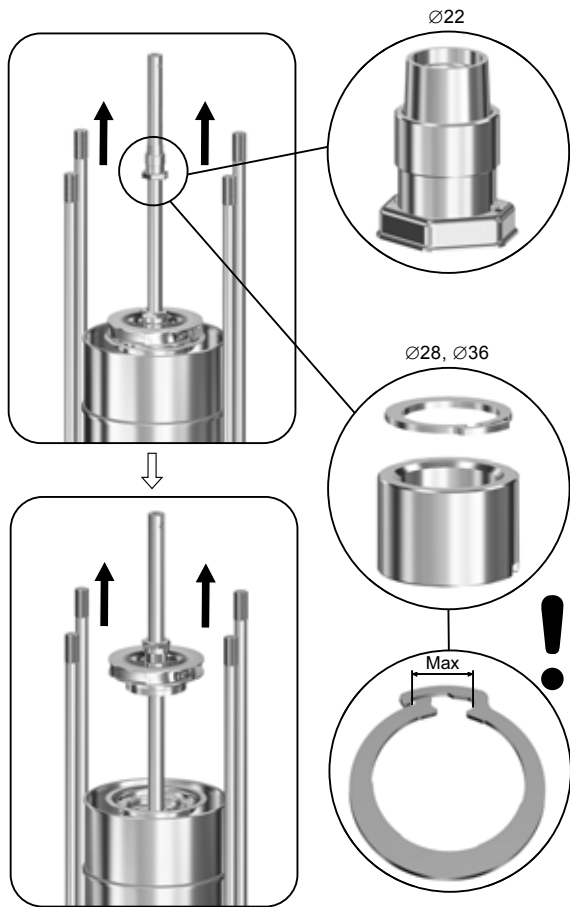


Fig. 16

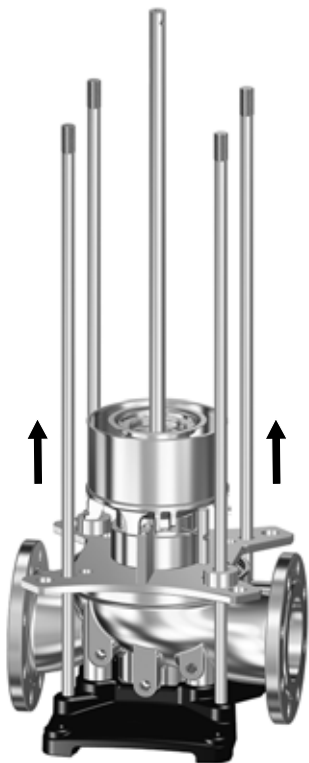


Fig. 17

TM07 1616 1818

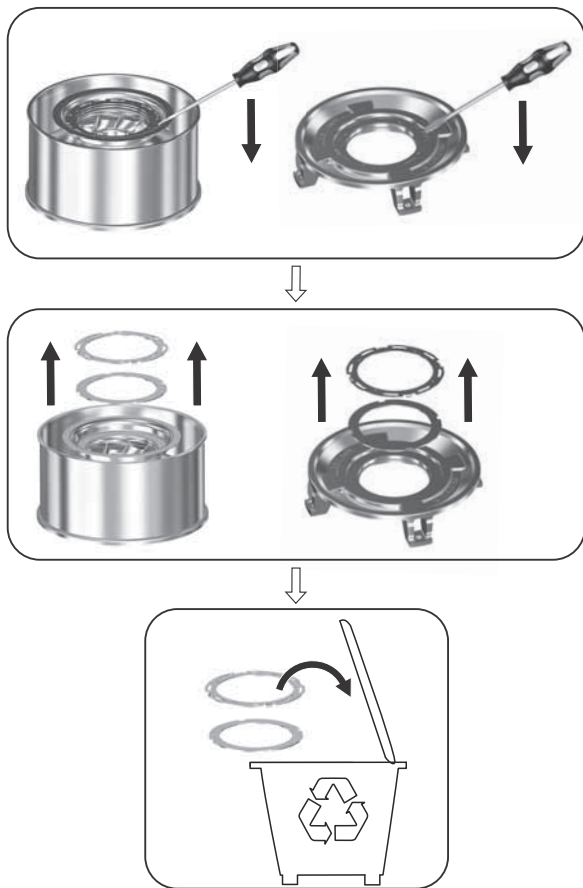


Fig. 18

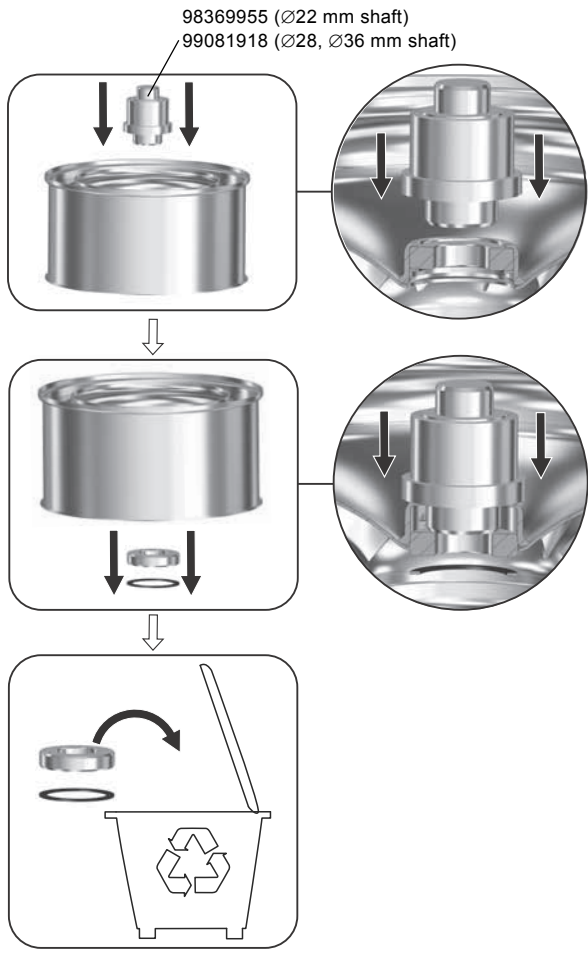


Fig. 19

TM07 1613 1818

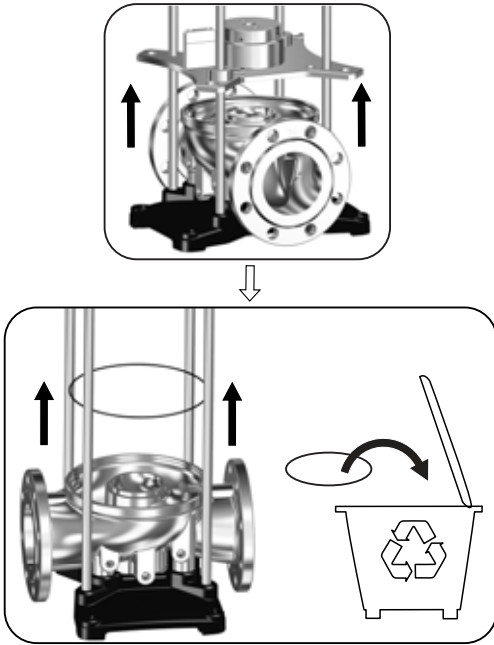


Fig. 20

TM07 1573 1718

### 3. Assembly

DK: Montering

DE: Montage

ES: Montaje

FR: Montage

IT: Montaggio

PT: Montagem

RU: Подключение

CN: 装配

JP: 組み立て手順

KO: 조립

99447875

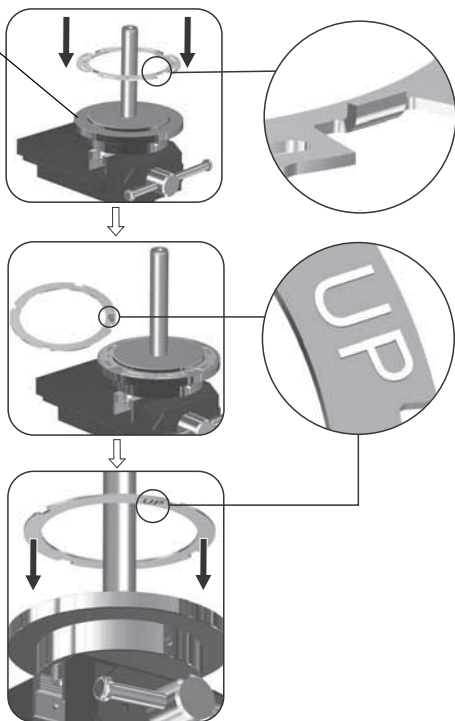


Fig. 21

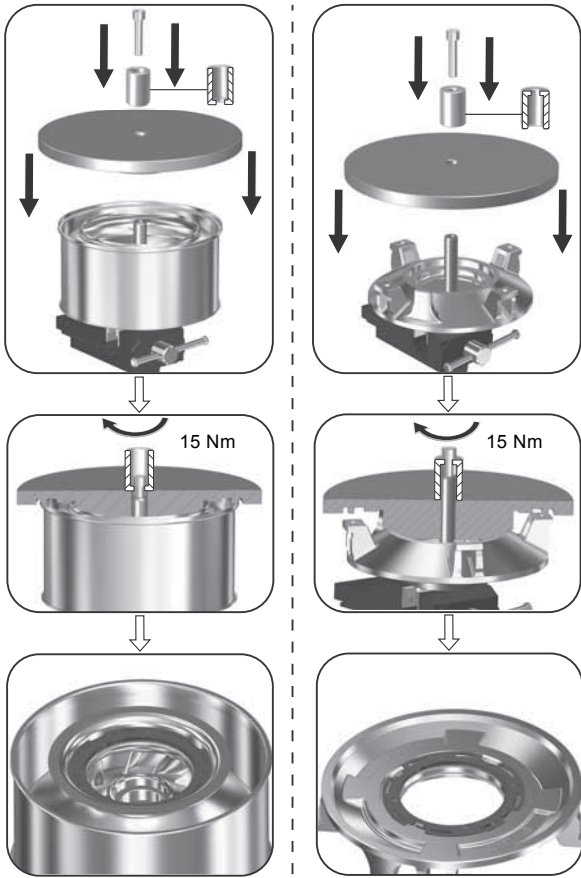


Fig. 22

TM07 1618 1918

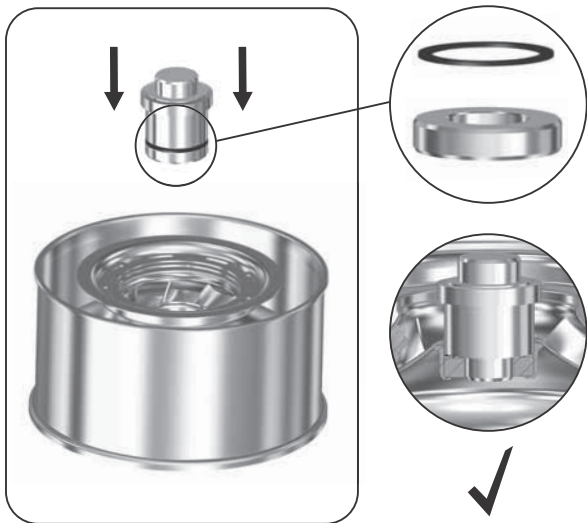


Fig. 23

TM07 1614 1818



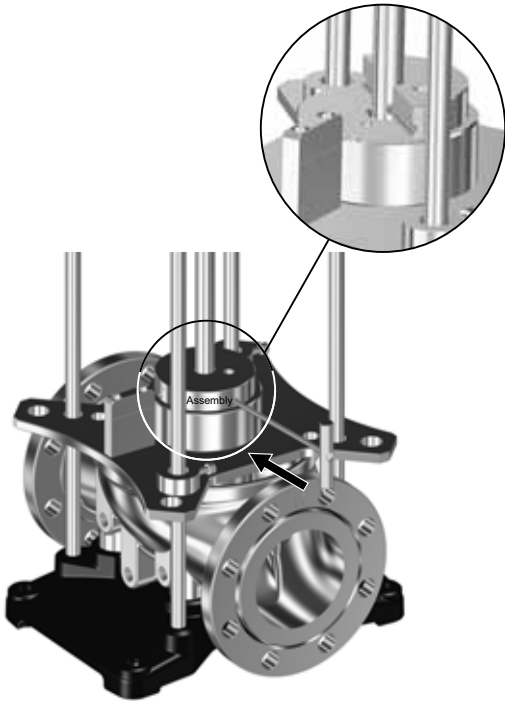


Fig. 24

TM07 0822 1718

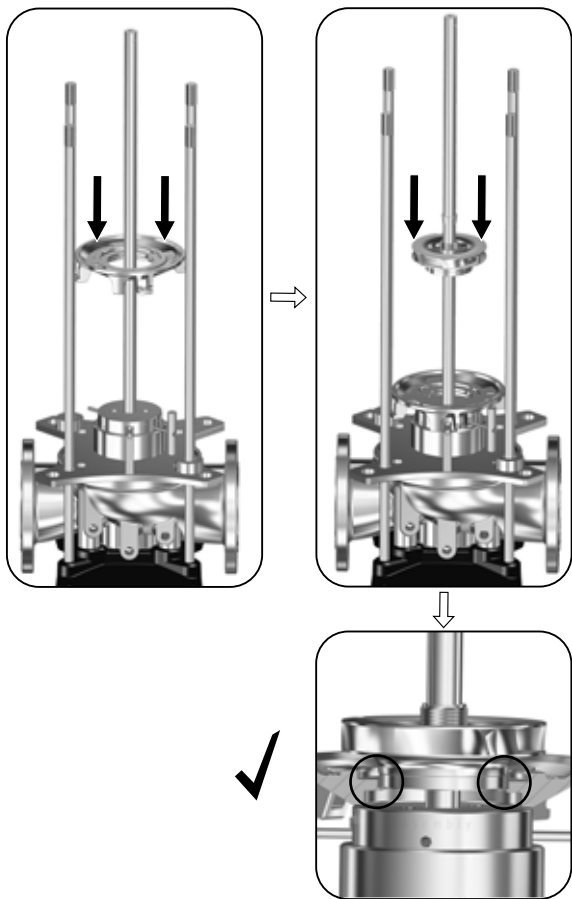


Fig. 25

TM07 0823 1518

Size	Torque [Nm]
Hex 34 (Ø22 shaft)	70
Hex 46 (Ø28 shaft)	130
Hex 60 (Ø36 shaft)	290

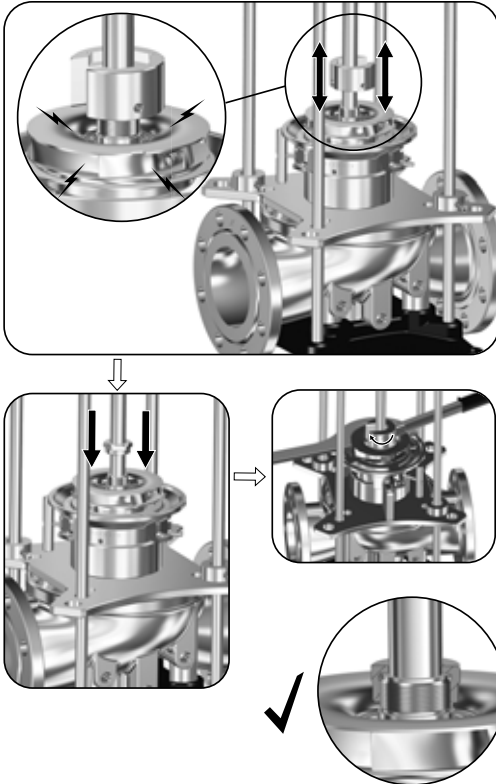


Fig. 26

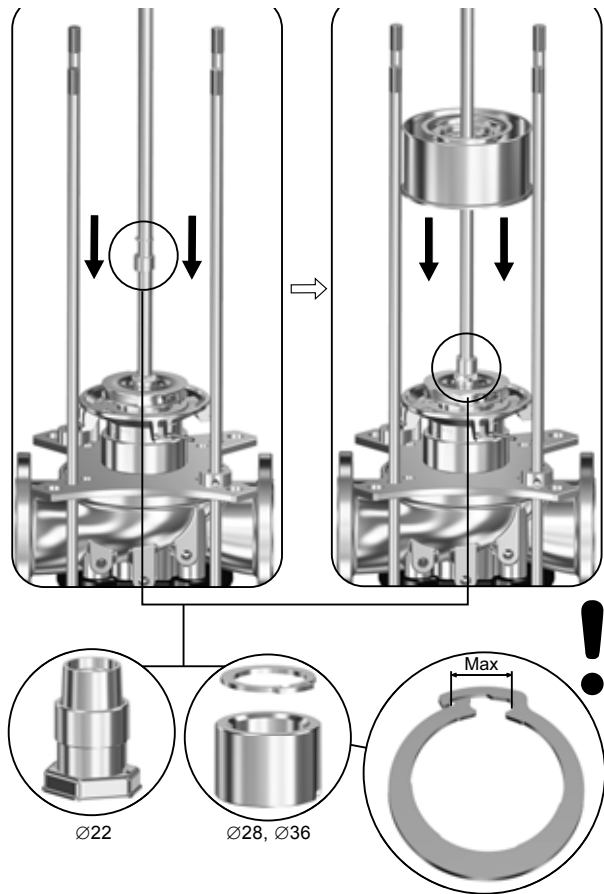
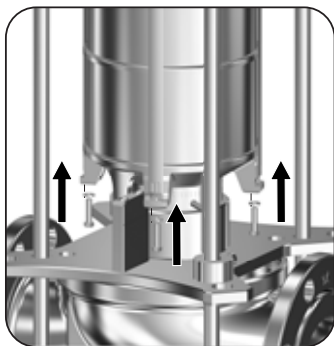
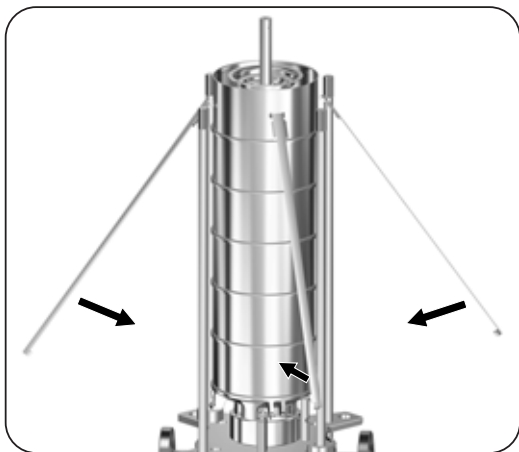


Fig. 27

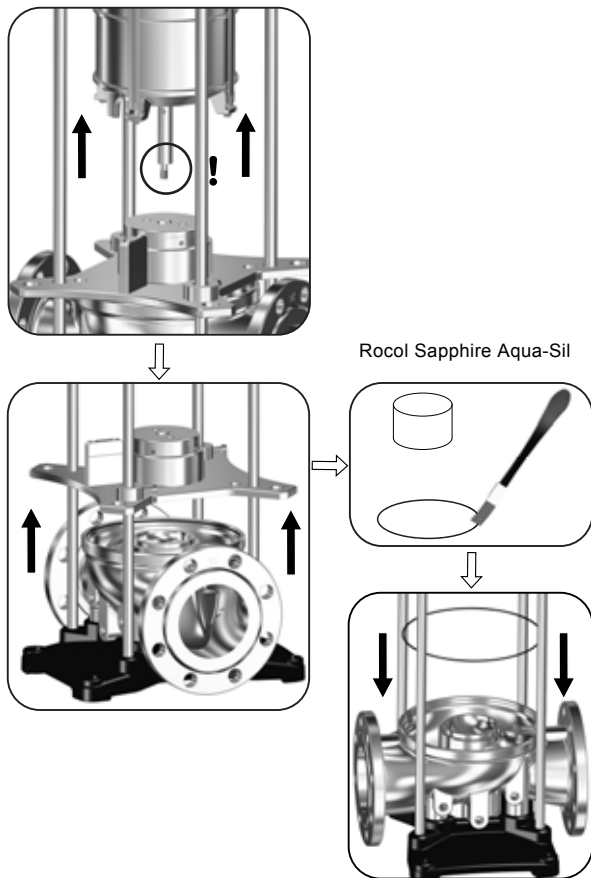
TM07 1619 2618



Size	Torque [Nm]
M8	22

TM07 0843 1318

Fig. 28



TM07 0845 1318

Fig. 29

$\geq 75$  kW $\leq 55$  kW: Go to page [32](#)

Size	Torque [Nm]
M12	60
M16	140

99072581

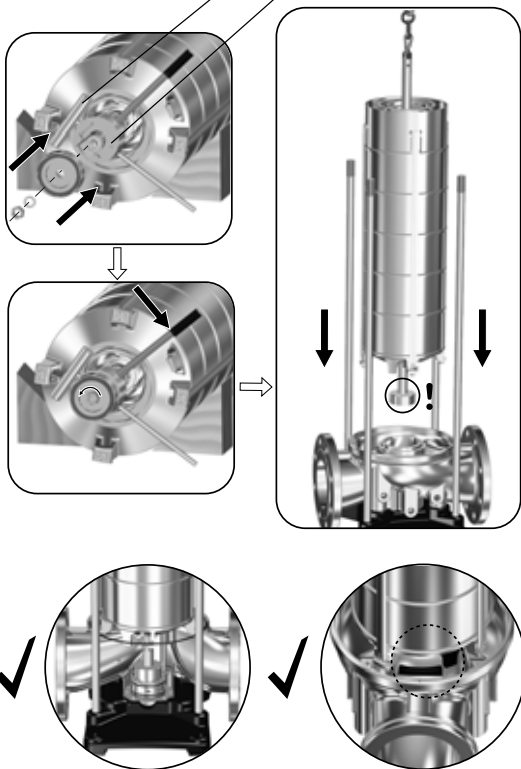
99359646 ( $\varnothing 28$  mm shaft)99359647 ( $\varnothing 36$  mm shaft)

Fig. 30

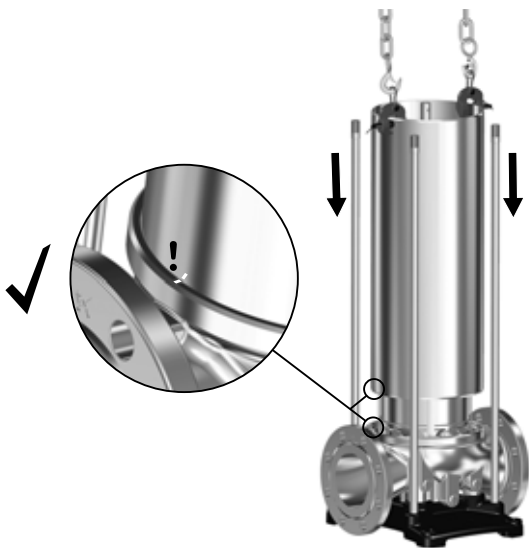


Fig. 31

TM07 0849 1418



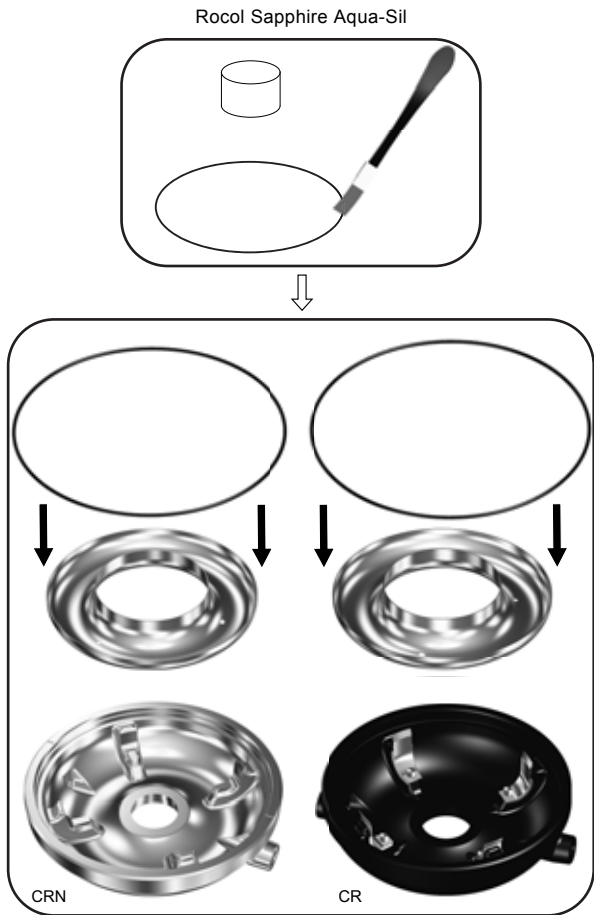


Fig. 32

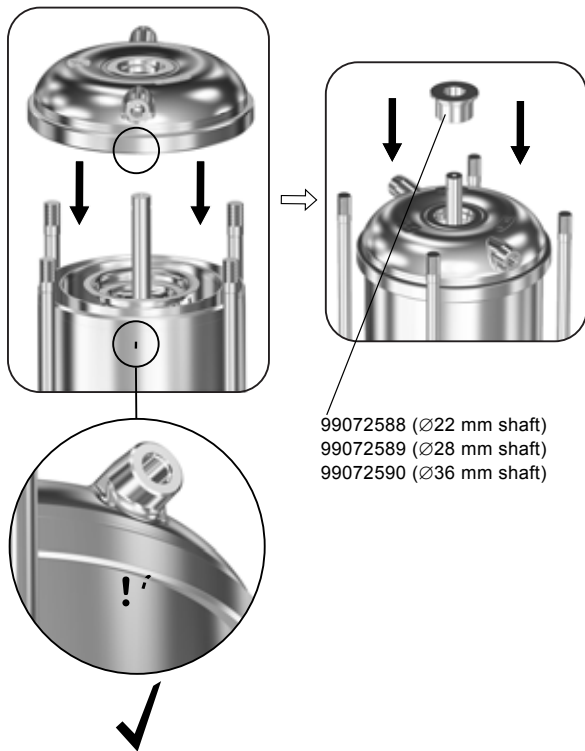


Fig. 33

Size	Torque [Nm]
M16 (CR, CRN 95, PN 16)	160
M20 (CR, CRN 95, PN 40)	320
M20 (CR, CRN 125/155, PN 16)	190
M20 (CR, CRN 125/155, PN 25/30)	320
M24 (CR, CRN 125/155, PN 25/30/40)	625
M30 (CR, CRN 185/215/255, PN 16)	410
M30 (CR, CRN 185/215/255, PN 25)	710
M30 (CR, CRN 185/215/255, PN 40)	950

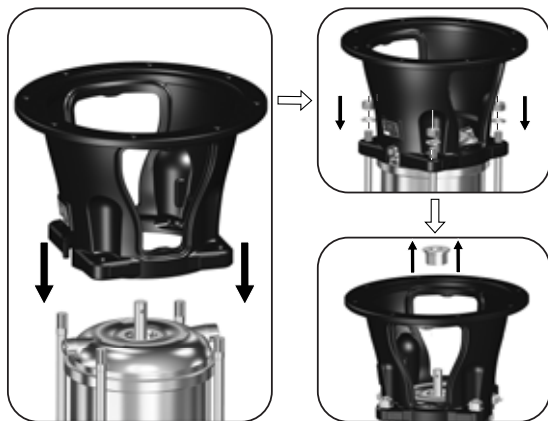


Fig. 34

TM07 0855 1518

Size	Torque [Nm]
M12	40
M16	80
M20	150

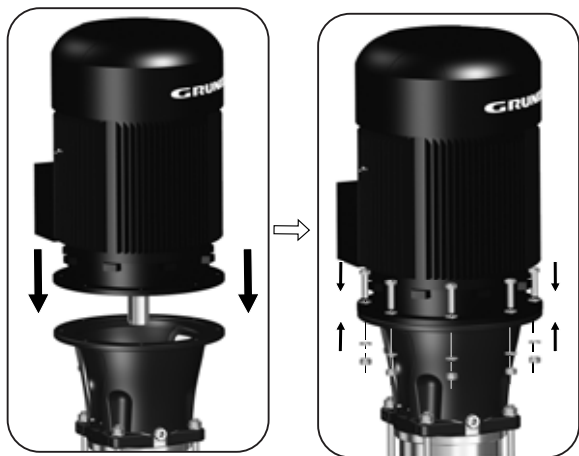


Fig. 35

TM07 0867 1418

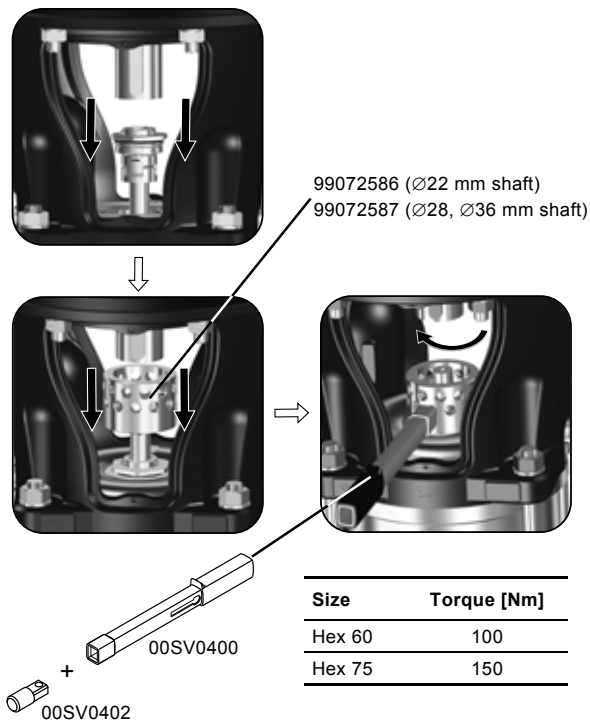


Fig. 36

TM07 0864 1618

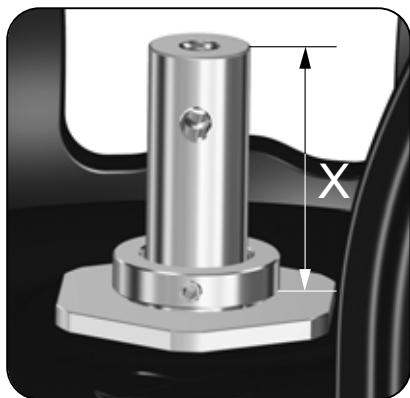
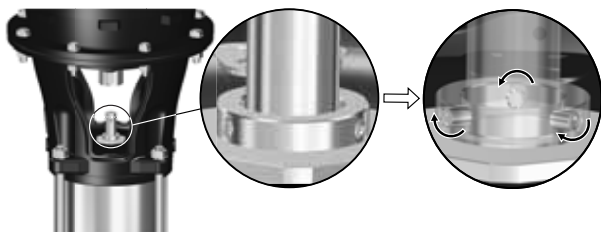

 $X = 71 \text{ mm} \pm 2$ 

Fig. 37

TM07 0969 1018



Size	Torque [Nm]
M6	6

Fig. 38

TM07 0866 1518

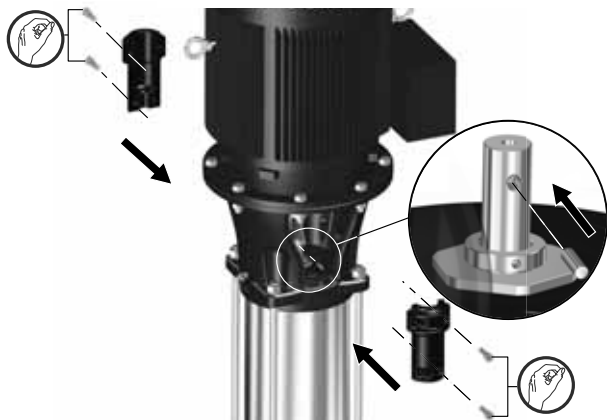


Fig. 39

TM07 1344 1518

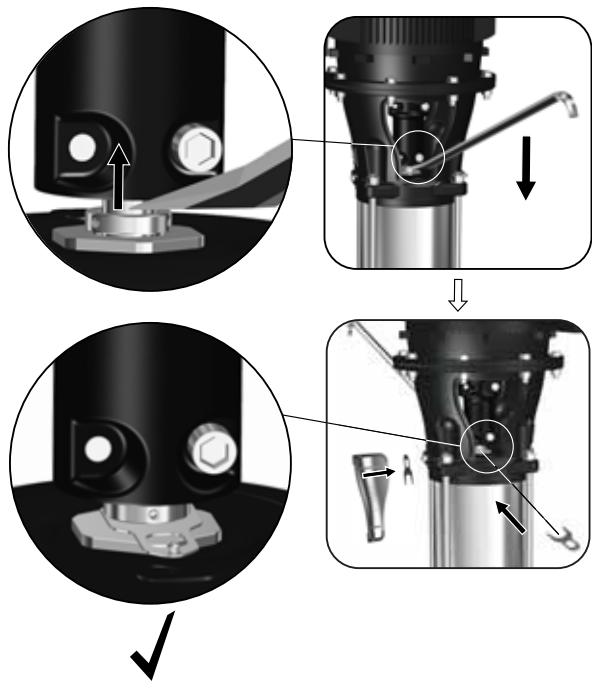


Fig. 40

TM07 0868 1418



Size	Torque [Nm]	Lubricant
M10	85	Un Lock (96611372)
M16	100	

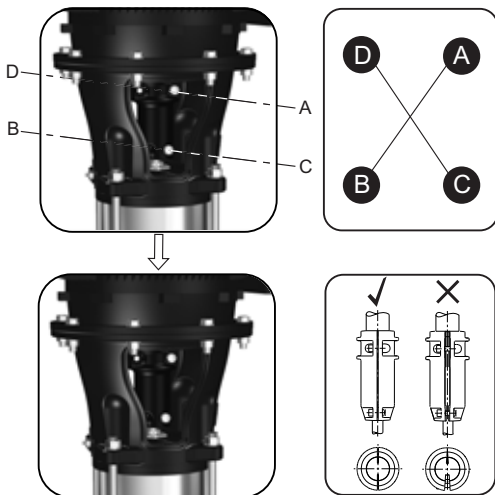


Fig. 41

TM07 0970 1718



Fig. 42

Size	Torque [Nm]
M5	4

TM07 0869 1418



Fig. 43

TM07 0870 1418

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Addresses revised  
05.12.2016

be think innovate

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