MAGNA1, MAGNA3

Condensation jacket for MAGNA 1 and 3

Service kit instructions

GRUNDFOS

MAGNA1, MAGNA3

English (GB)

Service kit instructions 4

Original service kit instructions

Table of contents

1. Before starting the work 5

2. Preparation of condensation jacket 12

3. Dismantling 20

4. Dismantling of control box 21

5. Assembling of Condensation collector 26

1. Before starting the work

English (GB)

DANGER
Electric shock
Death or serious personal injury

- Before starting service work, read the safety instructions supplied with the product.
- Always use an antistatic service kit when handling electronic components. This will prevent static electricity from damaging components.
- When unprotected, the component must be placed on the antistatic cloth.

Dansk (DK)

FARE
Elektrisk stød
Død eller alvorlig personskade

- Læs sikkerhedsanvisningerne der blev leveret med produktet, før du foretager servicearbejde.
- Brug altid et antistatisk servicesæt når du håndterer elektroniske komponenter. Dette forhindrer at komponenter beskadiges af statisk elektricitet.
- Når komponenten er ubeskyttet, skal den placeres på det antistatiske klæde.

Deutsch (DE)

GEFAHR
Stromschlag
Tod oder schwere Körperverletzungen

- Lesen Sie vor Beginn der Servicearbeiten die mit dem Produkt mitgelieferten Sicherheitshinweise.
- Verwenden Sie beim Umgang mit elektronischen Bauteilen immer einen antistatischen Servicesatz. Dadurch wird verhindert, dass die Bauteile durch statische Entladung beschädigt werden.
- Wird kein entsprechender Schutz getragen, sind die Bauteile auf einem antistatischen Tuch abzulegen.

Ελληνικά (GR)

ΚΙΝΔΥΝΟΣ
Ηλεκτροπληξία
Θάνατος ή σοβαρός τραυματισμός ατόμων

- Πριν ξεκινήσετε εργασίες επισκευής, διαβάστε τις οδηγίες ασφαλείας που συνοδεύουν το προϊόν.
- Χρησιμοποιείτε πάντα ένα αντιστατικό κιτ σέρβις όταν διαχειρίζεστε ηλεκτρονικά εξαρτήματα. Έτσι ο στατικός ηλεκτρισμός δεν θα καταστρέψει τα εξαρτήματα.
- Το εξάρτημα να παραμένει στο προστατευτικό αντιστατικό ύφασμα όταν δεν προφυλάσσεται.

Español (ES)

PELIGRO
Descarga eléctrica
Riesgo de muerte o lesión personal grave

- Antes de comenzar el trabajo, lea las instrucciones de seguridad suministradas con el producto.
- Use siempre un kit de mantenimiento antiestático cuando manipule componentes electrónicos. Esto evitará que la electricidad estática pueda dañar las piezas.
- Cuando esté sin protección, la pieza debe colocarse sobre el paño antiestático.

Français (FR)

DANGER
Choc électrique
Mort ou blessures graves

- Avant de commencer les travaux d'entretien, lisez les consignes de sécurité fournies avec le produit.
- Toujours utiliser un kit de maintenance antistatique lors de la manipulation de composants électroniques. Cela évite que l'électricité statique n'endommage les composants.
- Lorsqu'il n'est pas protégé, le composant doit être placé sous un tissu antistatique.

Italiano (IT)

PERICOLO
Scossa elettrica
Morte o gravi lesioni personali

- Prima di iniziare i lavori di manutenzione, leggere le istruzioni di sicurezza fornite con il prodotto.
- Utilizzare sempre un kit antistatico quando si maneggiano componenti elettronici. Ciò impedirà all'elettricità statica di danneggiare i componenti.
- Quando non protetto, il componente deve essere appoggiato sul panno antistatico.

Nederlands (NL)

GEVAAR
Elektrische schok
Dood of ernstig persoonlijk letsel

- Lees de veiligheidsinstructies die bij het product meegeleverd zijn voordat u begint met servicewerkzaamheden.
- Gebruik altijd een antistatische serviceset bij het hanteren van elektronische componenten. Dit voorkomt dat statische elektriciteit componenten beschadigt.
- Indien onbeschermd moet het component op de antistatische doek worden gelegd.

Português (PT)

PERIGO
Choque elétrico
Morte ou lesões pessoais graves

- Antes de iniciar o serviço de manutenção, leia as instruções de segurança fornecidas com o produto.
- Utilize sempre um kit de manutenção antiestático quando lidar com componentes eletrónicos. Isto evitará que a electricidade estática danifique os componentes.
- Quando desprotegido, o componente deverá ser colocado num pano antiestático.

Русский (RU)

ОПАСНО
Поражение электрическим током
Смерть или серьёзная травма

- Перед началом работ по техническому обслуживанию необходимо прочитать указания по безопасности руководства, поставляемого с продуктом.
- Во время работы с электронными компонентами всегда используйте антистатический сервисный комплект. Это поможет предотвратить повреждение компонентов статическим электричеством.
- При отсутствии защиты компоненты необходимо размещать на антистатической ткани.

Suomi (FI)

VAARA
Sähköisku
Kuolema tai vakava loukkaantuminen

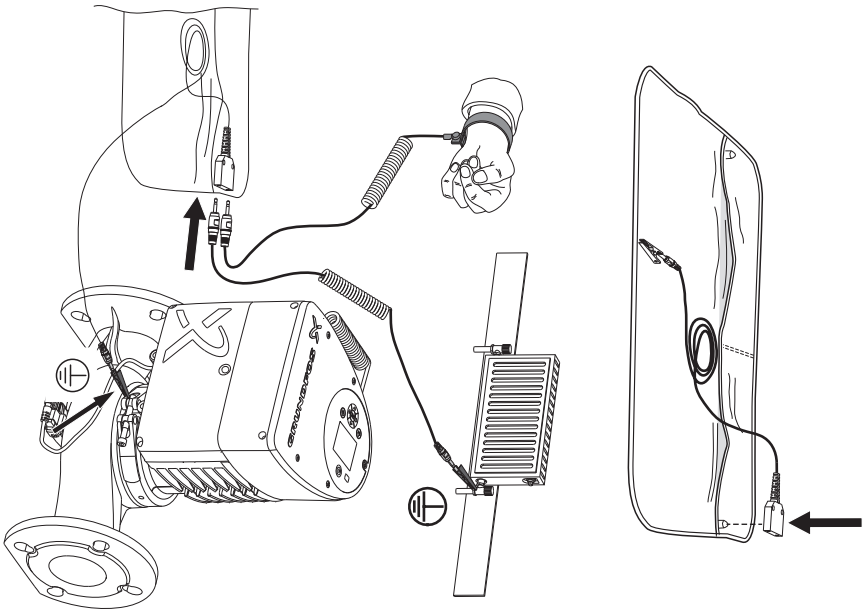
- Lue tuotteen mukana toimitetut turvallisuusohjeet ennen huoltotöiden aloittamista.
- Käytä aina antistaattista huoltosarjaa, kun käsittelet elektronisia komponentteja. Tällä tavalla staattinen sähkö ei vaurioita komponentteja.
- Suojaamattomana komponentti on asetettava antistaattisen liinan päälle.

Svenska (SE)

FARA
Risk för elektriska stötar
Risk för dödsfall eller allvarliga personskador.

- Läs de säkerhetsanvisningar som medföljer produkten innan servicearbetet inleds.
- Använd alltid ett antistatiskt servicekit vid hantering av elektroniska komponenter. Det förhindrar att komponenter skadas av statisk elektricitet.
- Oskyddade komponenter ska placeras på antistatduk.

TM058838



TM058771

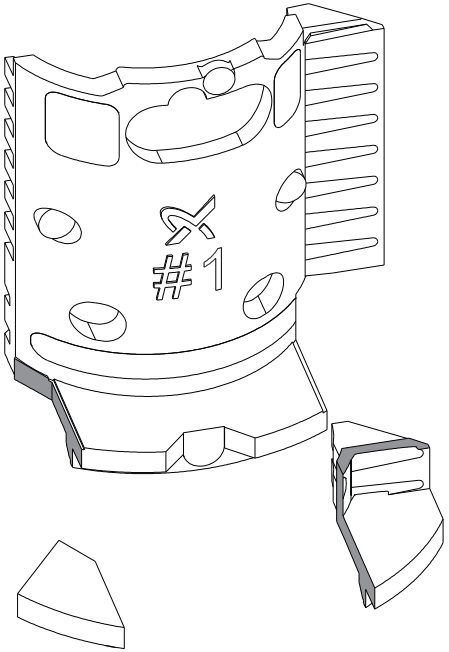
2. Preparation of condensation jacket

Overview of DN sizes for condensation jacket preparations

<table>
<tr><th>DN size</th><th colspan="3">Vertical pipe connections</th><th colspan="3">Horizontal pipe connections</th></tr>
<tr><th></th><th>Part 1</th><th>Part 2</th><th>Part 3</th><th>Part 1</th><th>Part 2</th><th>Part 3</th></tr>
<tr><td>DN32</td><td rowspan="3">TM086541</td><td rowspan="3">TM086544</td><td rowspan="3">TM086546</td><td>TM086540</td><td rowspan="3">TM086543</td><td rowspan="3">TM086545</td></tr>
<tr><td>DN40</td><td rowspan="2">TM086542</td></tr>
<tr><td>DN50</td></tr>
<tr><td>DN65</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>DN80</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>DN100</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
</table>

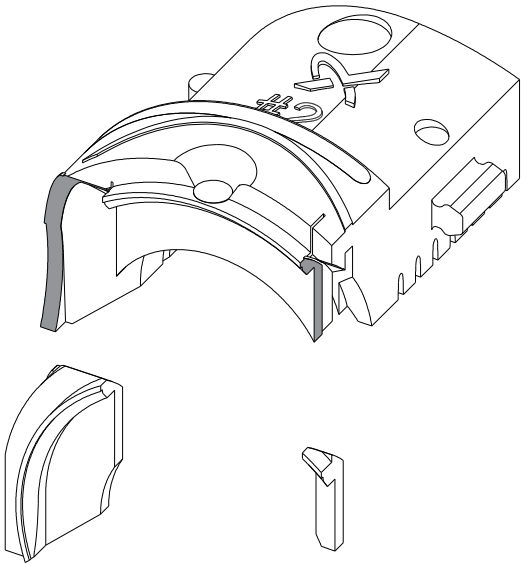
No preparation of condensation jacket required for DN65, DN80 & DN100.

For vertical pipe connections
For DN32, DN40 & DN50



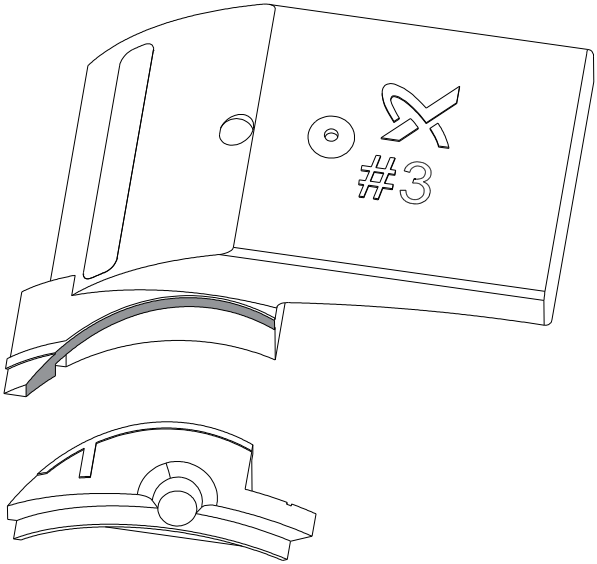
TM086541

Part 1



TM086544

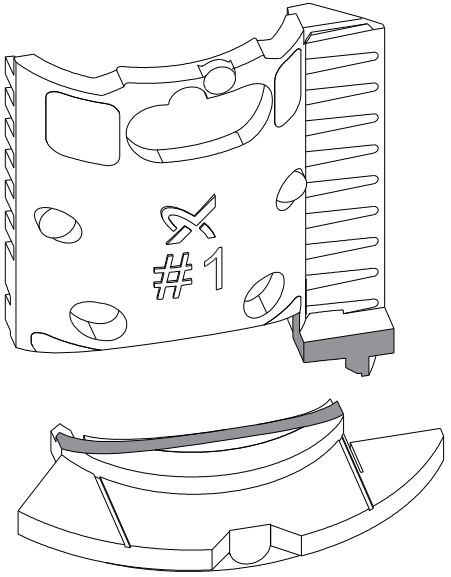
Part 2



TM086546

Part 3

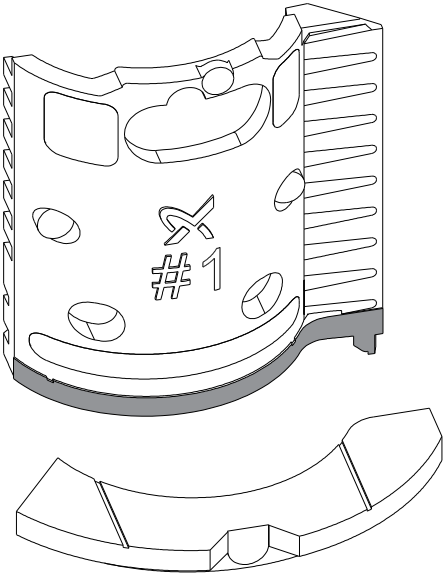
For Horizontal pipe connection
For DN32 & DN40



TM086540

Part 1

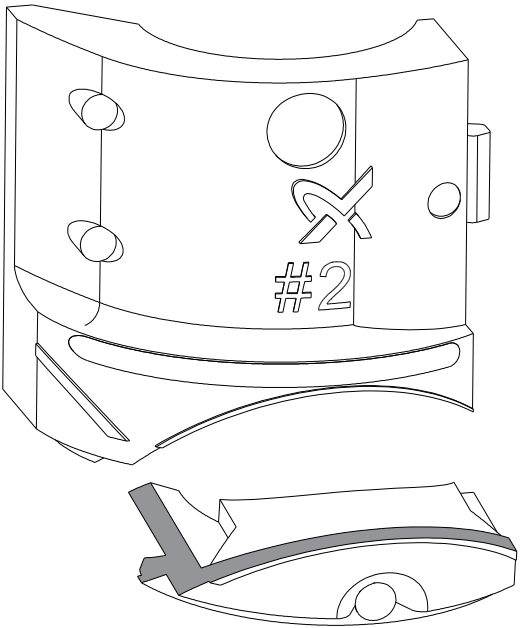
For DN50



TM086542

Part 1

For DN32, DN40 & DN50



TM086543

Part 2

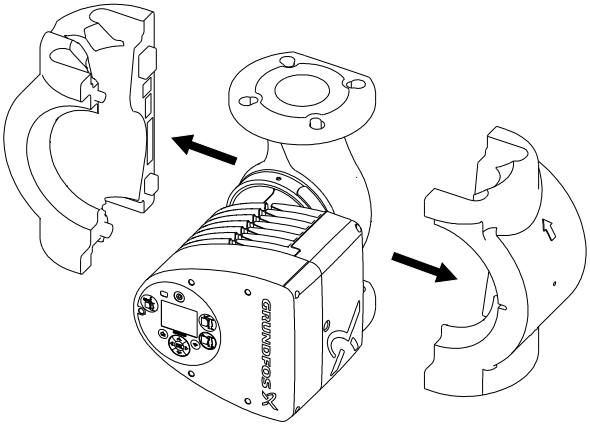
TM086545

Part 3

3. Dismantling

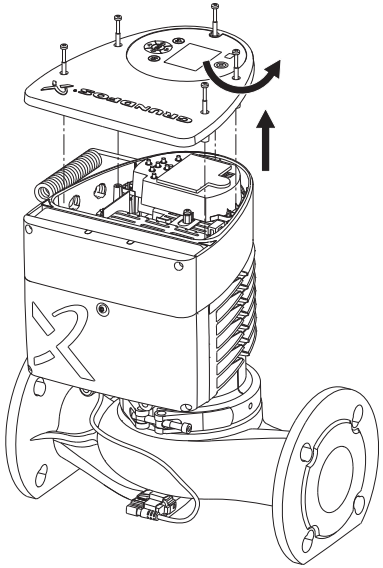
DK: Demontering	NL: Demontage
DE: Demontage	PT: Desmontagem
GR: Αποσυναρμολόγηση	RU: Демонтаж
ES: Desmontaje	FI: Purkaminen
FR: Démontage	SE: Demontering
IT: Smontaggio	

4. Dismantling of control box



TM086155

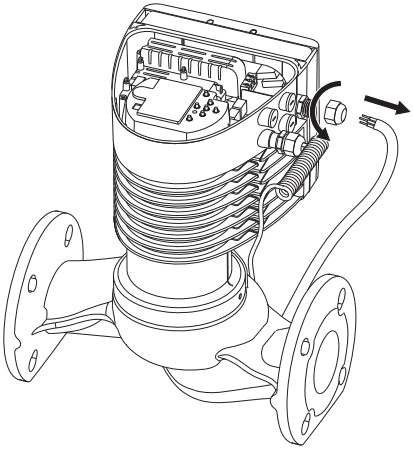
Fig.1



GB: Wait 3 minutes.
DK: Vent 3 minutter.
DE: 3 Minuten warten.
GR: Περιμένετε 3 λεπτά.
ES: Espere 3 minutos.
FR: Attendre 3 minutes.
IT: Aspettare 3 minuti.
NL: Wacht 3 minuten.
PT: Aguarde 3 minutos.
RU: Подождите 3 минут.
FI: Odota 3 minuuttia.
SE: Vänta 3 minuter.

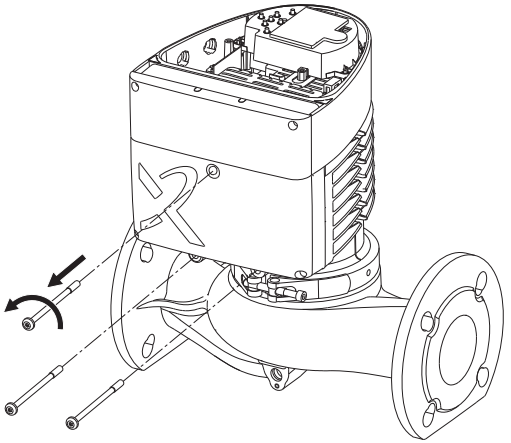
TM069564

Fig.2



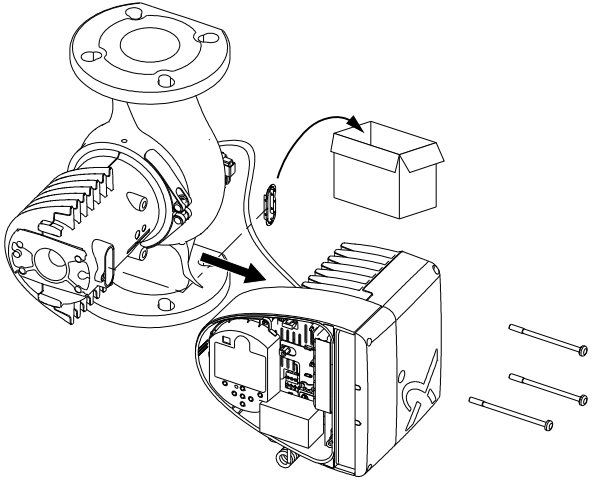
TM054707

Fig.2



TM069565

Fig.3



TM086157

Fig.4

5. Assembling of Condensation collector

DK: Montering
DE: Montage
GR: Συναρμολόγηση
ES: Montaje
FR: Montage
IT: Montaggio
NL: Montage
PT: Montagem
RU: Подключение
FI: Kokoaminen
SE: Montering

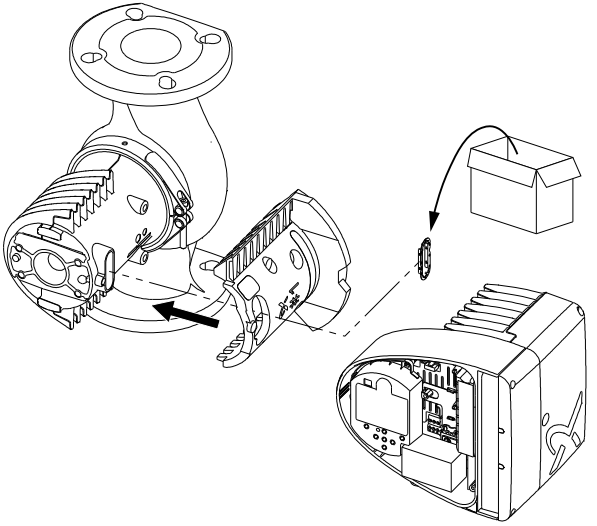
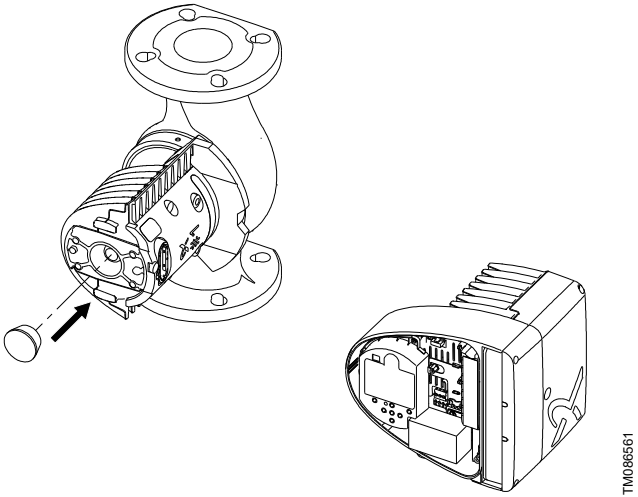


Fig.1



TM086561

Fig.2

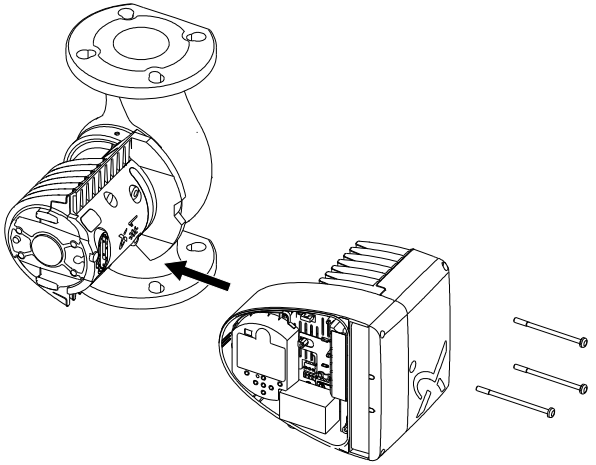
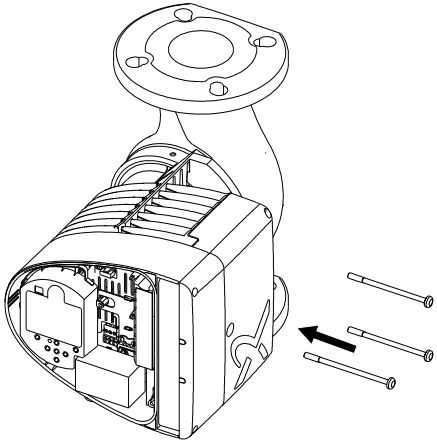
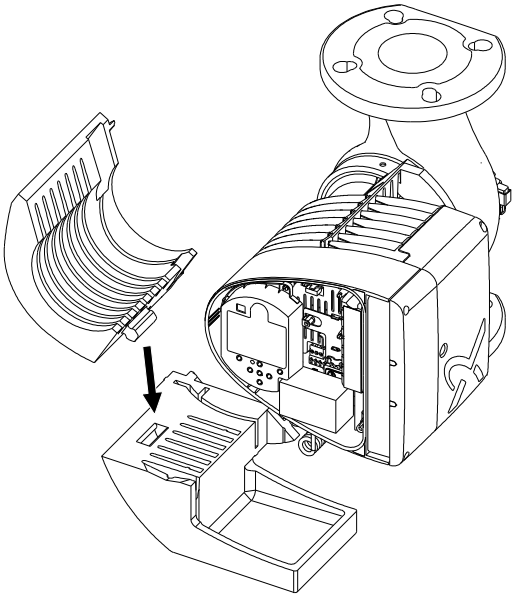


Fig.3



TM086563

Fig.4



TM086564

Fig.5

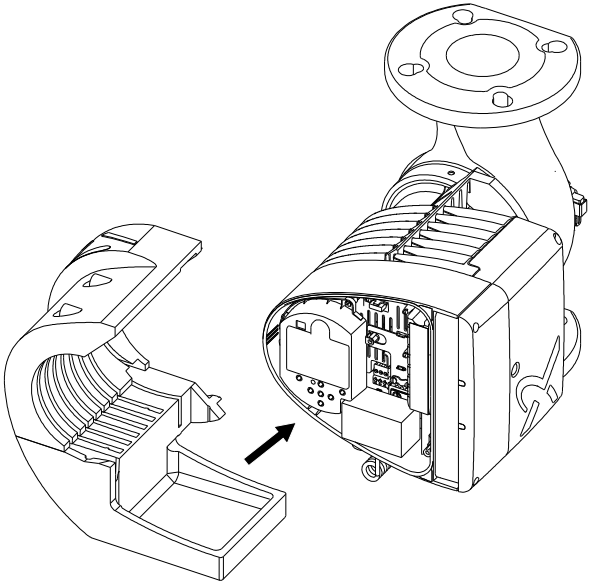
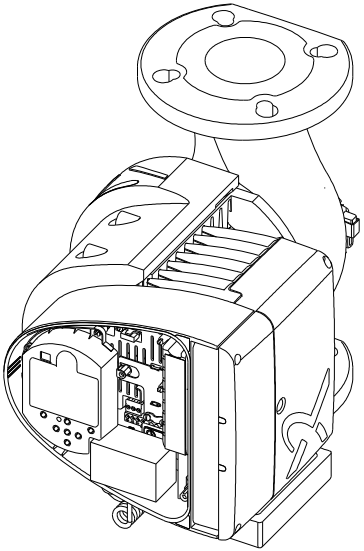


Fig.6



TM086566

Fig.7

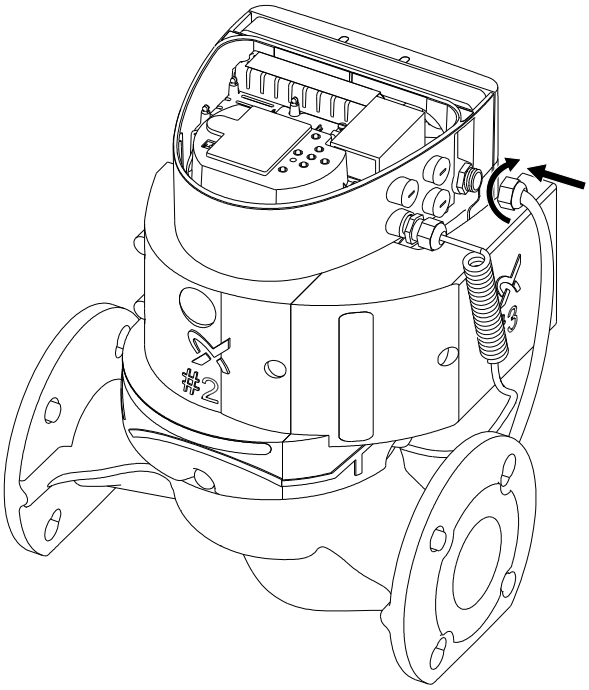


Fig.8

GRUNDFOS

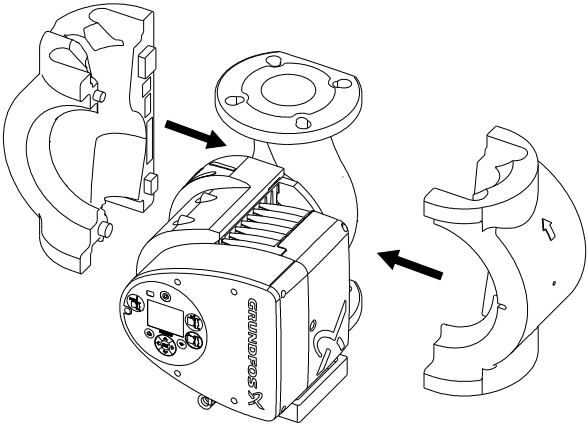


Fig.10

TM086163

Fig.11

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93122606 **02 2024**
ECM: 1387287

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