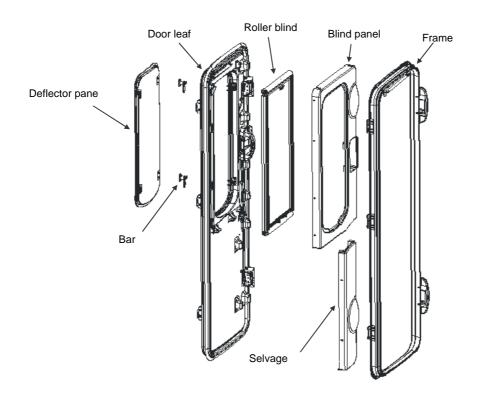


# CaraD-Rplus





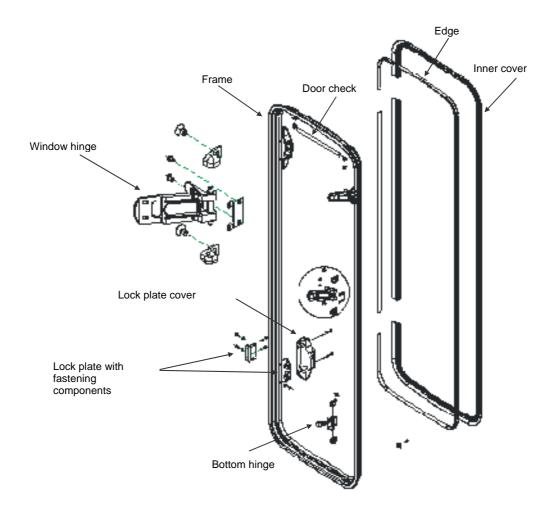




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### 1.0 Frame



#### PROBLEM:

- 1.1 Replacement of inner cover
- 1.2 Replacement of edge protection
- 1.3 Replacement of frame
- 1.4 Replacement of door check arm
- 1.5 Replacement of window hinge
- 1.6 Replacement of bottom hinge
- 1.7 Replacement of lock plate cover

3

1.8 Replacement of lock plate



### 1.1. Replacement of inner cover



In order to replace the inner cover, the lock plate cover first has to be disassembled as described under 1.7 Replacement of lock plate cover. Then the inner cover (elastic) can be pulled out of the slot. The assembly of the new part is performed in reverse disassembly sequence.

#### 1.2 Replacement of edge protection



In order to replace the edge protection, the lock plate cover and the inner cover first have to be disassembled as described under 1.1 **Replacement of inner cover**. Then the edge protection (elastic) can be pulled out of the edge. The assembly of the new part is performed in reverse disassembly sequence.

### 1.3 Replacement of frame



First, the lock plate cover, the inner cover as well as the edge protection have to be disassembled as described under 1.2 **Replacement of edge protection**. Now the screws of the fixing clamp must be removed with a screwdriver from all sides. As the frame is almost always glued in place, the bonding must be removed from the sides and between the wall surface and the frame.

**Caution!** When removing the frame, there is a risk of the wall plate tearing which is why the frame must always be pulled vertically toward the door opening.

Before assembling the new part, sealant residue must be removed from the wall and the surface cleaned (fat free). A suitable sealant (e.g. Sika) should be applied to the sealing surfaces. The frame should then be aligned so that the opening between door leaf and frame is the same all around. Then the frame is fixed with mounting brackets and the remaining parts are assembled in reverse disassembly order.

### 1.4 Replacement of door check arm





and add safety bolt if it had been removed.

The easiest way to disassemble the door check is at the screw joint at the door handle with a flat wrench. The spherical head can also be released from the ball pan by removing the safety bolts on the spherical head and leveraging down the ball pan. Assemble new part in reverse assembly order



### 1.5 Replacement of window hinge





First, the hinge cover has to be disassembled as described under **2.6 Replacement of hinge cover**. Then the screws  $\mathbb{B},\mathbb{C},^{\text{TM}}$  and  $\Sigma$  are screwed out as demonstrated in the image. Then the hinge has to be removed at the side of the door leaf by unscrewing the screw as shown in the image to the right.

Assembly of the new part is performed in reverse disassembly sequence.

### 1.6 Replacement of bottom hinge



First, the bottom hinge cover has to be disassembled as described under **2.6 Replacement of hinge cover**. Then the hinge eyelets are disassembled as shown in the image. Following this, the hinge is disassembled on the door leaf side as demonstrated in the image to the right under **1.5 Replacement of the window hinge**. Assembly of the new part is performed in reverse disassembly sequence.

### 1.7 Replacement of lock plate cover



Remove the two screw covers and unscrew the fastening screws beneath. Assembly of the new part is performed in reverse disassembly sequence.

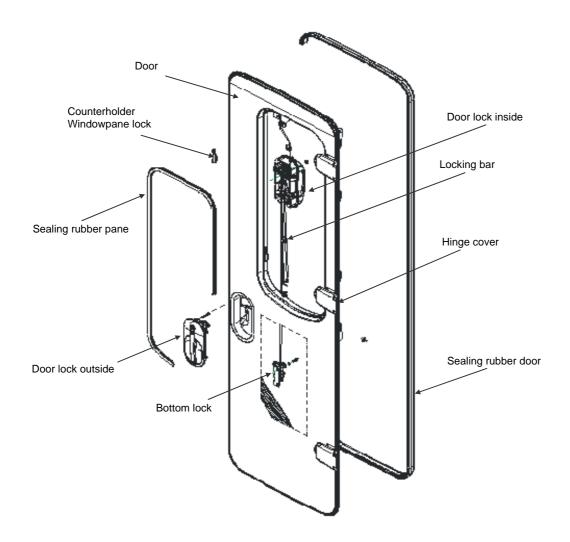
### 1.8 Replacement of lock plate



Both Allen screws have to be unscrewed to remove the lock plate. The lock plate can then be removed from the frame profile. Assembly of the new part is performed in reverse disassembly sequence.



### 2.0 Door leaf



### PROBLEM:

- 2.1 Replacement of door leaf
- 2.2 Replacement of deflector pane
- 2.3 Replacement of sealing rubber window pane
- 2.4 Replacement of sealing rubber door leaf
- 2.5 Replacement of door lock inside handle
- 2.6 Replacement of hinge cover
- 2.7 Replacement of door lock outside

### handle

- 2.8 Replacement of locking bar
- 2.9 Replacement of lock
- 2.10 Replacement of selvage
- 2.11 Replacement of blind panel



### 2.1 Replacement of door leaf



In order to replace the door leaf, the deflector pane has to be opened as described under **2.2 Replacement of deflector plane** and the <u>lower</u> hinge cover disassembled as described under **2.6 Replacement of hinge cover**. Then unscrew the Allen screws (see image) of the three hinges and remove the door leaf. Assembly of the new part is performed in reverse disassembly sequence.

**Caution!** When assembling the door leaf please make sure that the size of the opening is the same all around. Otherwise there may be a risk of water entering the interior.

### 2.2 Replacement of deflector pane





Unlock sash rail while pressing the locking button as shown in the image on the right. Then fully open the deflector pane and unscrew both screws on the window hinge and remove the pane. Assemble new parts in reverse disassembly order.

**Caution!** When assembling the deflector pane please make sure that the size of the opening is the same all around. Otherwise there may be a risk of water entering the interior.

### 2.3 Replacement of sealing rubber window pane



Open the deflector panes as described under **Replacement of deflector pane**, open the sealing rubber and pull it out of the slot (see image). Assemble the new sealing rubber in reverse disassembly sequence and glue to the joint with instant glue in the same manner as the old part.

**Caution!** When installing the new sealing rubber please make sure that the joint is at the bottom at the lowest point of the window pane. Otherwise there may be a risk of water entering the interior.



### 2.4 Replacement of sealing rubber door leaf

Remove sealing rubber from the slot (see image). Assemble the new sealing rubber in reverse disassembly sequence and glue to the joint with instant glue in the

same manner as the old part.



**Caution!** When installing the new sealing rubber please make sure that the joint is at the bottom at the lowest point of the window pane. Furthermore, the outflow hole as shown in the image must be cleared. Otherwise there may be a risk of water entry.

#### 2.5 Replacement of door lock inside handle





In order to replace the door lock inside handle, the blind cover first has to be disassembled as described under **2.10 Replacement of blind panel**. Then pry out the four protective caps (see image) and unscrew the recessed head screws beneath. Then the door lock inside handle can be

lifted and the lock bar unhinged. Hold on to the outside handle when removing the inside handle to prevent it from falling. Assemble new parts in reverse disassembly order.

### 2.6 Replacement of hinge cover



Both upper hinge covers are disassembled by opening the deflector pane as described under **2.2 Replacement of deflector pane** and both torx screws TX10 (see image) are unscrewed. Then the upper hinge covers can be removed outwards.



The door must be opened as far as possible in order to remove the hinge covers as the fastening screws cannot be reached otherwise. Both fastening screws of the lower hinge covers (see image) can be unscrewed with a torx screw driver and the cover can be removed. Assemble new parts in reverse disassembly order.

#### 2.7 Replacement of door lock outside handle





Disassemble the inside handle as described under 2.5 Replacement of door lock inside handle. Then remove the outside handles and assemble the new part in reverse disassembly order.

### 2.8 Replacement of locking bar



Disassemble the blind panel and the selvage as described under 2.10 Replacement of blind panel and 2.11 Replacement of selvage. Then unhinge the bars from the lock and the handle side. Now the bars can be unclipped from the rails (see image to the left) and replaced. Assembly of the new part is performed in reverse disassembly sequence.

### 2.9 Replacement of lock



To replace the lock, unscrew the Allen screws ® and ©. The door lock can then be removed. Assembly of the new part is performed in reverse disassembly sequence.

#### 2.10 Replacement of blind panel



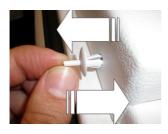


First the core pins of the expandable plugs must be impressed with a pointy tool. Then the expandable plugs have to be pried out during disassembly. After this, the blind panel is pulled off over the inside handle.



The blind panel should be additionally fixed with double-sided tape at the positions shown in the image to the left. These must be released during disassembly. When assembling the new part, replace the old tape with new tape.







Both images show the assembly of the expandable plugs. The core pin is in position, the expandable plug is inserted in the drill hole and the core pin is then driven into place with a soft plastic hammer.

### 2.11 Replacement of selvage

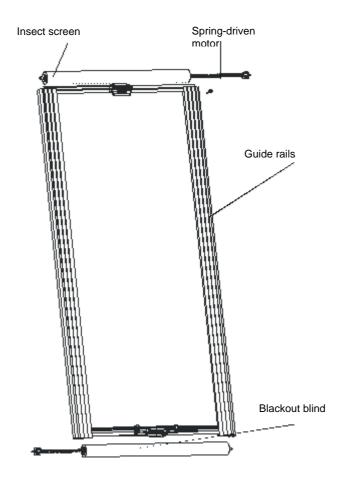


The selvage is disassembled in the same manner as the blind panel. See **2.10 Replacement of the blind panel** 

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## 3.0 Roller blind system



#### PROBLEM:

- 3.1 Replacement of insect screen
- 3.2 Replacement of spring-driven motor
- 3.3 Replacement of guide rail

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3.4 Replacement of blackout blinds



### 3.1 Replacement of insect screen



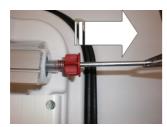
The roller blinds must be put into end position when replacing the insect screen. The blind panel must be disassembled as described under **Replacement of blind panel**. Then the axle of the spring-driven motor is pried out of the guide (see image) with a top tongs.



**Caution!** Spring is under tension. Risk of injury!

The roller blind can be removed with the entire closing rod upwards out of the guide rails. Assemble new part in reverse disassembly order. Finally, the spring-driven motor must be pretensioned as described under Replacement of spring-driven motor.

#### 3.2 Replacement of spring-driven motor



When replacing the spring-driven motor, first disassemble the blind panel as described under **Replacement of blind panel**. Then the roller blind is disassembled as described under **Replacement of insect screen**. Then the spring-driven motor is pulled out of the grooved tube at the axle.

**Caution!** Spring is under tension. Risk of injury!

After installing the new part, the spring axle must be pretensioned (turned) clockwise with ca. <u>10</u> <u>turns</u> and the roller blind fastened as usual. Finally, the roll-back of the roller blind (up to the stop; if not, pretension for 1-2 turns) should be checked and disassembled parts should be assembled in reverse disassembly order.

### 3.3 Replacement of guide rail



The blind panel must be disassembled as described under **Replacement of blind panel**. Finally, the fastening screws of the guide rails are unscrewed with a Phillips screwdriver. Assemble new parts in reverse disassembly order.



### 3.4 Replacement of blackout blinds



Blackout blinds are replaced in the same manner as insect screens. See under **Replacement of insect screen**.

**Caution!** Spring is under tension. Risk of injury