# TOILET REPAIR GUIDE

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1. 07016-07024 Inlet tube / 07862 Bellow

A. Disassemble water tank from waste tank and, take seat & cover off.

B. Cut half off the bellow with the knife and, take the bellow out.

**Note:** Turn the water tank around when holding the bellow with the pincers. Take the bellow off the flush tube.

C. Take the inlet tube off the bellow and, (re)place it on the new bellow.

D. **Note:** Make sure that the flapper inside inlet tube is pointing downwards when assembled on the new bellow.

E. Connect bellow to the flush tube and, press it back into the water tank.

F. Place seat & cover back onto the water tank.
2. 07031 Flush tube
For taking out the bellow see point A, B and C on the front page.

D. Go inside nozzle with the long nose pliers and, push it into the water tank.

E. Bend the new flush tube into a horseshoe shape and place an elastic band around it half way down, forcing it to remain in this position. 

Note: Before refitting, remove the elastic band.

Due to the horseshoe shape of the flush tube, when refitted, the nozzle will be guided back up towards the hole at the entrance of the bowl.

F. Once in view the nozzle may then be gripped with a long nose pliers and pulled back into the toilet bowl through the hole.

G. When pulling the nozzle through the hole, make sure that the small rib on the nozzle is pulled inside the toilet bowl.
21322 Float arm

2. Porta Potti

A. 

Position float arm, view from the outside.

B. 

For placing the new float arm, open the blade and go with your hand in the waste tank.

C. 

Place where float arm has to be assembled

Leaflet no. 21774/052001
1. 07102 Ventseal / 07069 Ventseal

A.  

B.  Push the ventseal down, out of the inside groove.  

C.  Hold the ventseal in position with the flat screwdriver (1), while closing the blade slowly (2).  

2. 07101 Lipseal / 07143 Lipseal

A.  

B.  Pull the lipseal out of the inside groove.  

C.  Push the lipseal into the inside groove, and close the blade.  

Note: Top has to be pushed in first.
3. 07524 Vent button / 29314-62 Vent button

A. 1. Seal retainer  
   2. Spring  
   3. Vent button

B. Go with your hand in the waste tank and press the vent button (3).  
   While pressing the vent button, pull the seal retainer loose (1).

C. Bring new seal retainer (1) and spring (2) in position and click the vent button (3) into the seal retainer

Leaflet no. 21283/042001
25817-79 / 25818-68/79 Piston pump

A. Change over from bellow to piston pump

Disassemble water tank from waste tank and, take seat & cover off.

Cut half off the bellow with the knife and, take the bellow out.

Note: Turn the water tank around when holding the bellow with the pincers.
Take the bellow off the flush tube.

Note: before placing the Piston Pump, please remove the grey sealant which was used for the bellow.

Take the piston pump and connect it to the flush tube.

Place the piston pump on its place and press it back into the water tank.
16374 Pump

A. Take tissue well and tissue holder out to get to the location of the pump.

B. Unscrew the screw on the pump retainer and take complete pump out of the water tank.

C. Disconnect the flush tube from the pump.

D. Tools which are needed:
   1. Screwdriver (crosshead)
   2. Stanley knife
   3. Combination pliers
   4. Wire-stripper
   5. Connector pliers
   6. Hot-air gun

E. Cut the cable just above the pump with the combination pliers.

F. Cut the white wire insulation off so that the blue and brown wire stay intact and strip the blue and brown wire with the wire-stripper.

G. Place the pump retainer and shrinktube on the new pump before connecting the wires to each other (blue-blue/brown-brown) with the connector pliers.

Note: Cassette toilets produced between 1987 and 1989 have two black connectors on the white cable. If this is the case, the white cable has to be cut above the black connector. Both connectors have to be taken off.
H. Place the shrinktube over the connected wires and melt the shrinktube with the hot-air gun.

*Melting the shrinktube will prevent that the connected wires will come in contact with the water in the water tank.

Note: When melting the shrinktube make movements from left to right so that the shrinktube can melt gradually.

CAUTION: Make sure that the shrinktube is melted completely to the white wire insulation as otherwise a short circuit can occur. Also keep in mind that the shrinktube should not be touched after melting, because of burning.

I. Connect flush tube back onto the pump and screw the pump back into the water tank.

J. Place tissue holder and tissue well back into the water tank.

Leaflet no. 21036/062001
Early C2

Ventseal

20339

A. Open the blade, and depress the ventseal (1) around outer edge of seal (1a). Take the ventseal out (2).

B. Bring new ventseal on its place as shown. Thinner flange has to be on the float which is inside the waste tank.

Depress the ventseal through the hole, from the outside.

Note: Make sure that the ventseal is lying in the middle of the hole, when looking from the top.

C. Go with your hand in the waste tank and press against the float (ventseal will be pressed into its place).

Outside view: float inside waste tank

Inside view: press against float
Repair instruction

Description: C2 C3 C4 (produced until 15 June 2000) Lip seal

Part number: 16175

Look for Service Centers, Point of Sale addresses and other information on: www.thetford-europe.com

Version: V2

Date: 13/07/2006

Tools required:

A Un螺丝 the 8 screws on the seal cover and, take the seal cover off.

B Ensure the two cut outs on the seal face upwards and line up with the two centre screws of the three positioned on either side of the seal cover.

C Replace the seat cover.

13/07/2006

Description: C2 C3 C4 (produced until 15 June 2000) Lip seal
Pump, Inlet tube, Flush tube & Bellow Replacement

A. Lift the flush cap (1) up with your finger.

B. Push cylinder (2) down and turn it to the left to take it out. After this, the bellow cap (3) and housing (4) can be taken out.

C. Inside view, nozzle (5) has to be taken out. Can be pulled down.

Note: Inlet tube and Flush tube can easily be replaced by pulling of the part and press the new part on. For replacing the Bellow see following instructions.

D. Bring nozzle back into the hole and press it up (you will hear a click). Note: Rib on nozzle has to go through the hole, to the inside of the toilet bowl.

E. Cylinder can only be pressed in one way (single rib has to face the backside of the toilet).

When placing the new bellow, hold the parts in position as on the photo. Lug on the housing has to be on the right side.

Inlet tube (6), Flush tube (7) or Bellow (8) can now be replaced.

Early C2
2. 20291-62 Flush mechanism

A. Lift the flush cap (1) up with your finger.

B. Flush mechanism can be pulled out by hand.

C. Inside view, nozzle (2) has to be taken out. Can be pulled down.

D. Bring nozzle from new flush mechanism back into the hole and press it up (you will hear a click). **Note**: Rib on nozzle has to go through the hole, to the inside of the toilet bowl.

E. Turn the lug (1) on the housing, against the lug (2) on the actual Cassette toilet.

F. and turn it to the right.
16176-74 Vent plug / 07524-78 Vent button

A. When the vent plug is locked into the waste tank, the two arrows (one on the waste tank and one on the vent plug) has to be pointed to each other.

B. Turn the vent plug away from the arrow on the waste tank (can only be turned one way) and lift it up.  
Note: Some force may be needed to take the vent plug out.

*Vent plug can now be replaced. If the vent button has to be replaced, please follow underneath instructions.

C. Press the vent button in and pull the seal retainer loose.

D. Place new spring and vent button in the vent plug and push the new seal retainer in.  
Note: Press the vent button in while assembling the new seal retainer.

E. Place vent plug back into the waste tank and turn the two arrows back to each other

Leaflet no. 20278/082001
Materials needed

A. Pull the waste tank out of the Cassette toilet by lifting up the yellow clip.

Place flat screwdriver under the small plastic insert, which is in the middle of the flush knob, and take it off.

Unscrew the one screw inside the flush knob, with the crosshead screwdriver.

B. After the flush knob, the mechanism housing has to be taken out. **Note: This can only be done from the outside.**

Complete flush knob can now be taken out.

C. Mechanism housing which is located inside the Cassette toilet with four screws (on each corner).

When looking inside the Cassette toilet from the outside, the mechanism is screwed to the underside of the water tank.
D.
Remove the four screws located on the mechanism, allowing it to drop down. 
**Note:** On Cassette toilets which are produced between 1987 and 1989, 5 screws should be removed.

E.
Screw the mechanism back on its place. 
Place flush knob back (in the same position as on the photo, see print on the knob) and, screw it back into the toilet with the crosshead screwdriver.

Leaflet no. 20268/032002
21370 Drain tube LH  C2, C4

A. Pull the waste tank out of the Cassette toilet by lifting up the yellow clip.

B. Unscrew the bracket and take it out.

Drain tube has to be pulled out on four places:
1. In the middle (lift up and pull the tube inside the Cassette)
2. In the front (take tube out of the bracket and pull the tube over the two ribs)
3. In the back (pull the tube over the rib)
4. Pull sight glass of plug.

C. Note: Some force may be needed to take the drain tube out

D. Will be replaced by:
   1. Drain tube + clamp collar
   2. Blind plug
   * 3. Screw
   * 4. Linkage

* Screw and linkage only have to be used when the toilet has been produced before November 1992. Production date can be found on the identification label, on the bottom of the waste tank.

E. Push drain tube (1) into the water tank and push clamp collar over the tube. Place sight glass in the plug and press drain tube into the bracket.

F. Press blind plug (2) into the hole at the back.
Underneath instructions only have to be followed if the Cassette toilet has been produced before November 1992 (see identification label). As otherwise water will stay in during winterizing, the pump will be moved to the left side of the level indicator (from A to B). The distance from A to B will be around 10cm. Outside view 

**Underneath instructions only have to be followed if the Cassette toilet has been produced before November 1992 (see identification label). As otherwise water will stay in during winterizing, the pump will be moved to the left side of the level indicator (from A to B). The distance from A to B will be around 10cm.**

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**H.** Take tissue well and tissue holder out to get to the location of the pump.

**I.** Unscrew the screw on the pump retainer and take complete pump out of the water tank.

**J.** Nr. 3 (screw) and 4 (linkage) are in the package. Nr. 5 is the screw from the pump (see I, photo 1).

**K.** Place the linkage above the pump retainer and screw the two together from the underside upwards with screw nr.5. Note: make sure that the linkage is placed on the pump retainer as positioned on the photo with nr.4 (J).

**L.** Connect flush tube back onto the pump and place the pump on the left side of the level indicator and screw the linkage on the place where the pump was assembled in the first place. Screw nr. 3 has to be used.

**M.** Place tissue holder and tissue well back into the water tank.

---

**[As the screwing may need some force, be careful for injuries on hands and fingers.]**
Repair instruction

Description: C2 C3 C4 C200 Automatic vent
Part number: 23722-74
Look for Service Centers, Point of Sale addresses and other information on: www.thetford-europe.com

Version: V2
Date: 13/07/2006
Tools required: -

A  Holding tank
C2/C3/C4/C200

B  Turn the automatic vent to the left and take it out.

C  Place new automatic vent in the waste tank and turn it to the right to lock it in the waste tank.
1. Cassette C2/C3/C4

**A.** Position float arm, view from the outside. Float arm is always assembled on the opposite side of the blade opener.

For placing the new float arm, take sliding cover off, open the blade and go with your hand in the waste tank.

**B.** Magnet always has to point to the outside of the waste tank.

**Note:** If the float retainer is still in the waste tank (float arm has fallen off), the new float arm cannot be assembled. Float retainer has to be taken out first. This can be done with a small flat screwdriver. As the waste tank is welded, this can only be done through the hole in the middle.

**Inside view to take the float retainer out.**
Place screwdriver between rib and float retainer and lift it up.

**C.** Inside view waste tank.

Place where float arm has to be assembled

Press the float retainer in.
16171-62 Level indicator

Material needed

Replace instruction

Unscrew the 7 screws underneath the level indicator

Replace the level indicator

Screw the 7 screws back into the toilet

Leaflet 20277/032002
16378-62 Flush tube

Material needed

Crosshead screwdriver

Replace instruction

A. Take tissue well and tissue holder out to get to the location of the pump.

B. Disconnect the flush tube from the pump and, pull the nozzle (inside the toilet) down.

Place the nozzle from the new flush tube inside the water tank and press it into the hole (you have to hear a click, when pressing the nozzle in). **Note:** Rib on nozzle has to go through the hole, to the inside of the toilet bowl.

C. Connect flush tube back onto the pump and screw the pump back into the water tank.

Place tissue holder and tissue well back into the water tank.
**Repair instruction**

Description: C2 C3 C4 C200 Blade

**Part number:** 23847

Look for Service Centers, Point of Sale addresses and other information on: www.thetford-europe.com

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**Tools required:**

- Screwdriver

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**A**

Remove the sliding cover.

Remove the 2 screw covers (only C200 toilets). **Note:** Lever off gently.

---

**B**

Unscrew the 8 screws on the seal cover.

Take the seal cover off.

---

**C**

**General mechanism info:** do **NOT** remove the blade arm when changing the blade.

Pull the blade gently out of the blade arm. **Note:** the blade is pressed into the blade arm.
D. Push the blade arm a little bit up.

Press the new blade gently in the hole of the blade arm.

E. Open and close the blade a few times, to ensure a good operation of the mechanism.

When placing the lip seal on the waste tank, the thinner flange has to face downwards the blade.

F. Place the lip seal on the waste tank.

Screw the seal cover back onto the waste tank.

G. Press both screw covers back on the seal cover (only C200 toilets).

Place sliding cover back on its place. Make sure that the two arrows are pointed to each other.
Repair instruction

Description: C2 C3 C4 (produced after 15 June 2000) Lip seal
Part number: 23721
Look for Service Centers, Point of Sale addresses and other information on: www.thetford-europe.com

Version: V2
Date: 13/07/2006
Tools required: 

A
Remove the sliding Cover.

Unscrew the 8 screws on the seal cover and, take the seal cover off.

B
Place new lip seal on the waste tank.
Note: Thinner flange has to face downwards towards the blade.

Place the lip seal on the waste tank.

C
Screw the seal cover back onto the waste tank.

Place sliding cover back on its place. Make sure that the two arrows are pointed to each other.

13/07/2006

Description: C2 C3 C4 (produced after 15 June 2000) Lip seal
Repair instruction

Description: C200 blade opener HT  
Part number: 2343-78  
Look for Service Centres, Point of Sale addresses and other 
information on: www.thetford-europe.com

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A C200 holding tank.  
**Note:** Holding tank is factory sealed and can’t be opened.

Inside view.

B Remove the retainer by pressing on both sides.

C Remove the blade opener by pressing slightly on both sides.

Pull the blade opener out.

19/01/2007 Description: C200 blade opener HT
Replace the blade arm driver

Position the blade arm driver on the track support (1.)

Position the pin on the blade arm (2) in the rail on the blade arm driver (3).

While holding the blade arm driver in position replace the blade opener.

Replace the retainer while holding the blade opener in position.

19/01/2007  Description: C200 blade opener HT
Repair instruction

Description: C200 CW Level indicator
Part number: 23718
Look for Service Centers, Point of Sale addresses and other information on: www.thetford-europe.com

Version: V1
Date: 29/06/2006
Tools required:

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A

C200CW toilet.

---

B

Unscrew the two screws.

Remove with a flat screwdriver the bezel.

---

C

Lift up the bezel.

Unscrew the four screws.

---

29/06/2006  Description: C200 CW Level indicator
D  Back view.

Inside view.

E  Remove the seal out of the toilet.

Move the seal backwards.

F  Cut the two cables from the led.

Place the two shrink tubes on the cable and connect the two cables and the new led.

G  Squeeze the connectors.

Place the shrink tubes on the connectors.

29/06/2006  Description: C200 CW
Level indicator
Melt the shrink tubes on the connectors with a blow drier. **Note:** This will prevent a short circuit.

Move the seal forward to the led.

Replace the seal back into the toilet.

Replace the cable into his position.

Screw the four screws back.

Pull down the bezel. Screw the two screws into the bezel.
Repair instruction

Description: C200 CW Manual pump
Part number: 23739-62
Look for Service Centers, Point of Sale addresses and other information on: www.thetford-europe.com

Version: V1
Date: 29/06/2006
Tools required: 

A

C200CW toilet.
Remove the bezel with a flat screwdriver.

B

Push up the bezel.
Unscrew the pump retainer.

C

Take out the pump.
Remove tube from vacuum breaker.

29/06/2006
Description: C200 CW Manual pump
D Place tube from new pump on vacuum breaker.

E Mount new pump in water tank.

Apply PTI sealant before replacing the bezel (not shown on picture).

F
Description: C200 Float arm HT  
Part number: 23726  
Look for Service Centres, Point of Sale addresses and other information on: www.thetford-europe.com

A  
C200 holding tank. See picture for position of float arm.

Remove the float arm.

B  
Make sure the float arm retainer is removed.

Float arm housing.

C  
Place the new float arm into the holding tank with the magnet side to the front.

Press the float arm into his position till you hear a click.

D  
Move the float arm over the rib.
Repair instruction

Description: C200 Hinge pin
Part number: 23707-62
Look for Service Centers, Point of Sale addresses and other information on: www.thetford-europe.com

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A

C200 toilet.

Remove the seat.

B

Remove the hinge pins with a flat screwdriver.

Replace the new hinge pins on both sides. Replace the seat on the toilet.
**Description: C200 Lip seal Cassette**
*Part number: 23721*

**A**
Remove the sliding Cover.

2 screw covers. **Note:** Lever off gently screw covers located on either side of the seal cover.

**B**
Unscrew the 8 screws on the seal cover and, take the seal cover off.

When placing the lip seal on the waste tank, the thinner flange has to face downwards the blade.

**C**
Place the lip seal on the waste tank.

Screw the seal cover back onto the waste tank.

**D**
Press both screw covers back on the seal cover.

Place sliding cover back on its place. Make sure that the two arrows are pointed to each other.
Repair Instruction

Description: C200 Valve blade handle
Part number: 23713-74
Look for Service Centers, Point of Sale addresses and other information on: www.thetford-europe.com

Version: V1
Date: 22/01/2007
Tools required: 

A

C200 toilet.
Pull the waste tank out of the Cassette toilet by lifting up the yellow clip.

B

Unscrew the saddle bracket.
Unscrew the seal handle.

C

Remove the link.
Remove the handle and the handle seal.

22/01/2007 Description: C200 Valve blade handle
D: Place the new handle and the handle seal.

Place the handle and the handle seal on the ring inside the toilet.

E: Replace the link.

Assemble the screw this way into the bushing.

F: Assemble the handle and the handle seal.

Re-assemble the saddle bracket
Description: C400 Blade fuse
Part number: 21766
Look for Service Centers, Point of Sale addresses and other information on: www.thetford-europe.com

Version: V2
Date: 13/07/2006
Tools required: -

A
C400 toilet.
Pull the waste tank out of the Cassette toilet by lifting up the green clip.

Remove the reed switch HT.

B
Remove the blade fuse.

Place the new blade fuse back into the reed switch HT.

C
Replace the reed switch HT.

Place waste tank back into the toilet.

13/06/2006 Description: C400 Blade fuse
### Repair instruction

**Description**: C400 Reed switch HT  
**Part number**: 32316-62/32317-62  
**Look for Service Centers, Point of Sale addresses and other information on**: www.thetford-europe.com

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#### A
C400 toilet.  
Pull the waste tank out of the Cassette toilet by lifting up the green clip.  

Remove the reed switch HT.

#### B
Disconnect the reed switch HT carefully.

Connect the new reed switch HT.

#### C
Place the new reed HT switch back into the toilet.

Place waste tank back into the toilet.

29/06/2006

**Description**: C400 Reed switch HT
Repair instruction

Description: C402 C Control panel
Part number: 32320-62
Look for Service Centers, Point of Sale addresses and other information on: www.thetford-europe.com

Version: V2
Date: 13/07/2006
Tools required: -

A
C402C toilet.

Control panel C402C.

B
Remove the handle.

Remove the control panel.

C
Disconnect the connectors of the control panel carefully by pushing on the clip.

Connect the connectors of the new control panel carefully.

13/07/2006
Description: C402 C Control panel
C

Replace the new control panel.

Replace the handle.

D

13/07/2006

Description: C402 C
Control panel
Repair instruction

Description: C402 C X Pump
Part number: 16374
Look for Service Centers, Point of Sale addresses and other information on: www.thetford-europe.com

Version: V1
Date: 09/11/2006
Tools required:

A C402 C/X toilet.

B Remove the handle.
Remove the control panel.
Remove the control well.

C Inside view.

09/11/2006 Description: C402 C X Pump
D. Remove the seal from the control well.

E. Take the pump out of the watertank. Cut the cable just above the pump with the wire stripper.

   Cut the white wire insulation off so that the blue and brown wire stay intact.

F. Strip the blue and brown wire with the wire-stripper.

   Place the shrink tube on the wires from the new pump.

G. Connect the wires to each other (blue-blue/brown-brown) with the connector pliers.

   Place the shrink tube on the connector pliers.
Melt the shrink tube with the blow drier. Will prevent a short circuit.

Replace the control panel.

Replace the seal in the control well.

Replace the control well.

Replace the handle.

Replace the pomp.

09/11/2006 Description: C402 C X Pump