THETFORD



INSTALLATION MANUAL

SEPARATION TOILET - KIT

SK220 series

For the Australian market

EN-AUS
Original Installation Manual

Contents

1 Introduction....2
2 Safety....3
3 Serviceability....4
4 Designation codes, drawings and models....4
5 Technical specifications....4
6 Before installation....5
7 Installation....9
8 After installation....16
9 Service & questions....17

1. Introduction

General

This is the installation manual for the Thetford SK220. The manual is meant for qualified installers who will install the toilet system in a caravan or camper.

Read the information and instructions carefully and follow them strictly to install the toilet system safely and correctly.

Also read the warnings in the user manual before testing the toilet system after installation.

Our policy is one of continuous development and improvement. Specifications and illustrations may change subsequent to publication. This document is version 212060/0725-V01 of the installation manual.

Please visit *www.thetford.com* for the most recent version.

If the appliance is not installed in accordance with national and European regulations, rules and standards this will void the warranty

Symbols

The following symbols may be used in this manual:



Warning. Risk of serious injury and/or damage.



Caution. Risk of moderate injury and/or damage.



Attention. Important information.



Note. Additional information.



Video. Additional instruction video available.

2. Safety

General



Risk of serious injury through burning, explosion, clamping, electrocution, suffocation and poisoning or damage to the product.

- Do not modify this appliance, unless the modification is authorised and carried out by the manufacturer or their agent.
- If the appliance is not installed in accordance with national and European law, regulations, rules and standards, this will void the warranty and may lead to criminal prosecution.
- Wear the correct Personal Protective Equipment during the installation. Also follow the applicable safety regulations.
- Only qualified persons are allowed to install the appliance.



The toilet can withstand a maximum load of 120kg. Make sure you do not overload the toilet.

Installation



Risk of serious injury through burning, explosion, clamping, electrocution, suffocation and poisoning or damage to the product.

- To avoid a hazard due to instability of the appliance, it must be fixed in accordance with the instructions.
- Do not drill, cut or use excessive force on the toilet walls, except for screwing predefined positions. This may damage the appliance.
- When installing the appliance, ensure cables are not trapped or damaged.
- Route the cables away from the appliance and heat sources.

- Do not allow cables to hang loose into the compartment.
- Use only genuine and approved parts and materials.

3. Serviceability

The installer of Thetford products is responsible for correct installation according to the Thetford installation instructions to ensure the functionality and serviceability of the product.

In terms of serviceability, this means that a dealer or authorised Thetford service partner must be able to remove and re-install the Thetford product within the time that is allowed according to the Thetford time-list, using standard tools and equipment.

This is to claim any warranty during the warranty period after the purchase date.

In case of any queries on this subject, a Thetford local service representative can be contacted for additional support related to the installation of the product.

4. Designation codes, drawings and models

Each product has a specific identification code, the designation code. The designation code can be found on the data badge. See *Service & questions* for the location of the data badge. The different positions of the code stand for different variations of the toilet. In these instructions, the designation will be used as reference.

Please refer to the designation code explanation in the original Cassette Toilet installation manual.

5. Technical specifications

Table 1: Dimensions, weight and capacity

	SK220 (on a S220 base)			**SK220 (on a S260 base)**		
Dimensions	H	W	D	H	W	D
mm	498	365	580	487	401	603
Empty weight	5,3 kg			5,9 kg		
Capacity urine tank	7,5 L			7,5 L		
Capacity solids bucket	7,1 L			7,1 L		

6. Before installation

About the SK220 Separation Toilet - Kit

This kit is designed to convert an existing installation of a C223-S or C223-CS into the functionality of a S220-S or S220-CS separation toilet.

The C220 series is fixed on the bottom with 4 screws. The C223-S is attached to the rear wall with 3 screws. The C223-CS uses a bracket to hook it to the rear wall. If the situation and installation allow it, then the conversion might be done easier if the toilet can be temporarily uninstalled and put on a bench.

Content of the box

For the separation toilet-kit, check the content of the box:

- SK220 Separation Toilet - Kit
- User manual
- Installation manual

Gather the required tools:

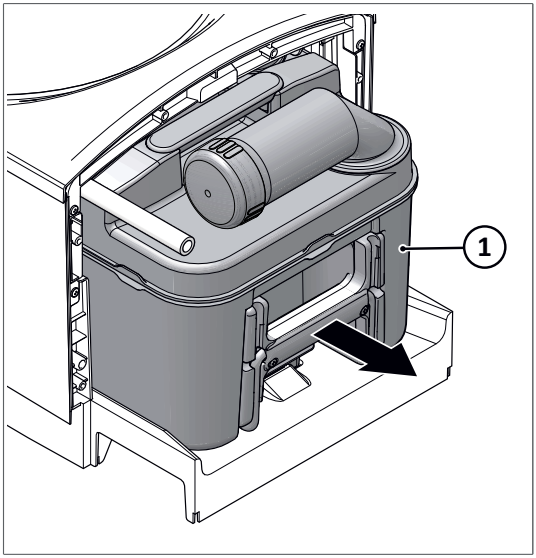
- Stanley knife
- Philips screwdriver no.2

If something is missing from the box, please contact your dealer.

Removal of toilet components

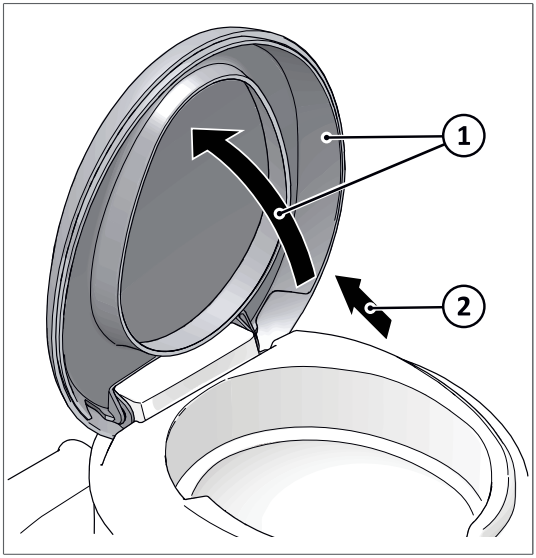
Disconnect and empty the water supply of the RV to avoid any spillage and potential damage.

Waste holding tank



- From the back of the toilet, carefully slide out the existing waste holding tank (1).

Seat and lid

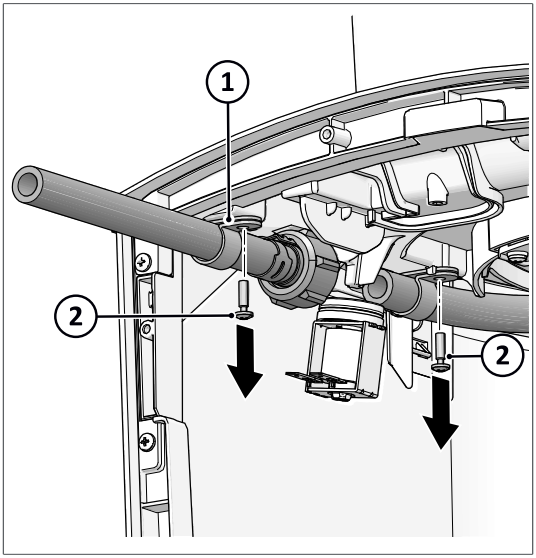


- Open the lid and seat (1) together.
- Pull one side of the seat and cover outward and then simultaneously pull it upward (2).

Use of a slotted screwdriver can ease unhooking the hinge. Be careful not to damage anything.

See instruction video on *www.thetford.com*

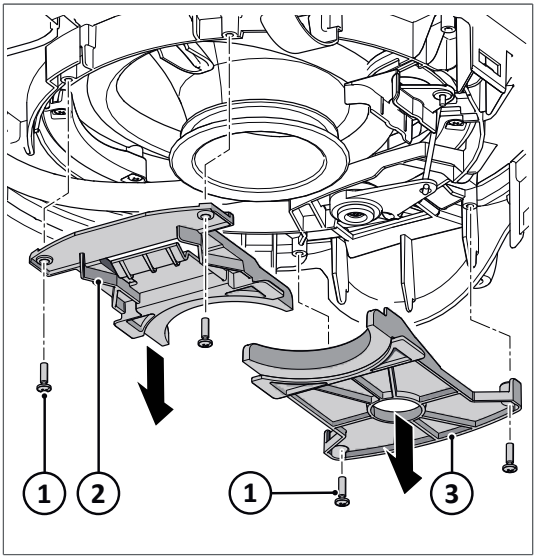
Water hose assembly



- Disconnect the 2 wire leads from the electric valve.
- Unscrew the 2 screws (2), holding the 2 fastener clips (1) for the hose-assembly.
- Locate the hose barb and nut (3).
- Loosen the nut and detach the hose.
- Close the water supply of the vehicle with the plug and the clamp.

Risk of water spillage. Use a cloth or towel to avoid any potential spilling and damage.

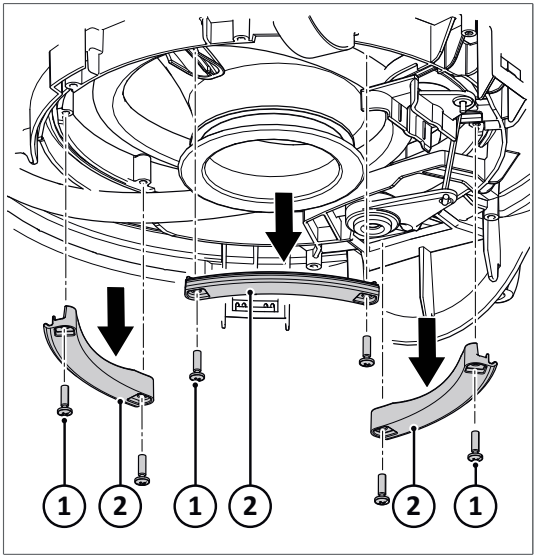
Front and back bowl retainer brackets



- Remove the 4 screws (1) that hold the retainer brackets (2)(3) and take the retainer brackets out.

These will not be used after the conversion.

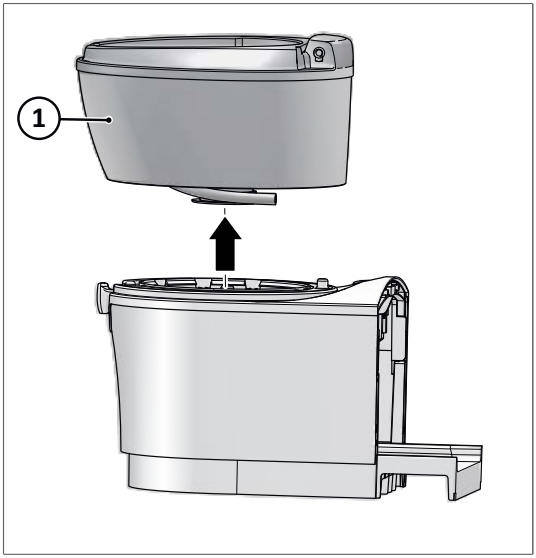
Toilet bowl retainer guides



- Remove the 3 half-moon shaped retainer guides (2) by unscrewing the 2 screws each (1) and take them out.

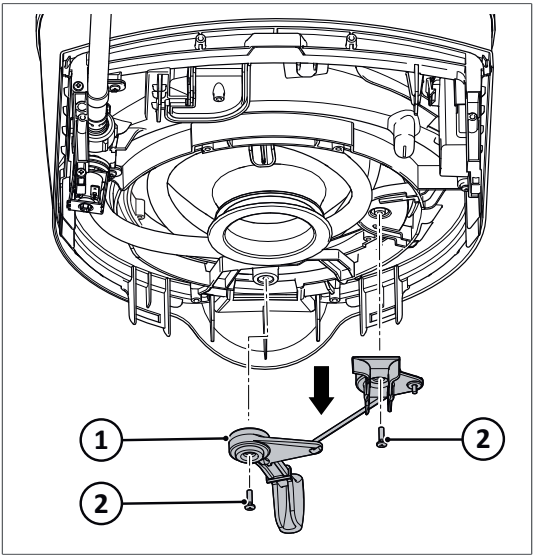
Preserve these parts, they are needed later.

Toilet bowl



- Lift the bowl- and hose assembly carefully from the base.

Waste tank blade-control assembly



- Take out the 2 screws and remove the waste-tank blade control mechanism.

This can be done either from the bottom, or via access from the top of the toilet base.

In case there is a shower installation present, it is advised to leave the handle part in place.

7. Installation

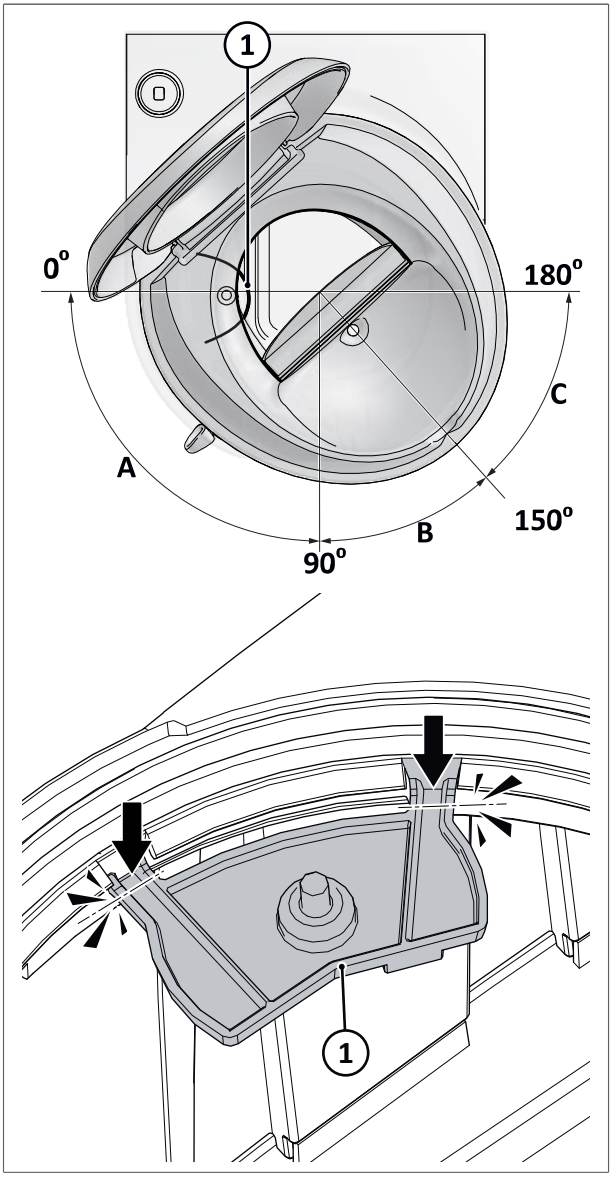
Read the applicable instructions in chapter *Safety* first.

Required torque: 1.2 ± 0.3Nm for a Plywood floor.

Torque may differ if the floor is made from a different material.

Place Separation Toilet Kit components

Cutting decision



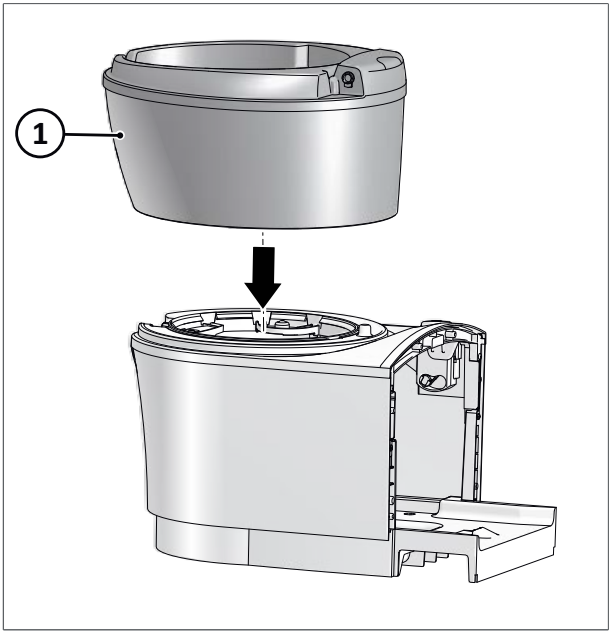
To determine whether cutting the saddle support (1) is necessary, check if the saddle support is visible under the solids-valve.

In the picture the bowl is turned to 150°.

1. If the bowl is turned counter clockwise and positioned between 0° and 90° (segment A), no cut is necessary.
2. If the bowl is turned counter clockwise and positioned between 90° and 150° (segment B), cutting can be considered.
3. If the bowl is turned counter clockwise and positioned between 150° and 180° (segment C), cutting is necessary.
4. Cutting must be done at the white lines indicated by the arrows.

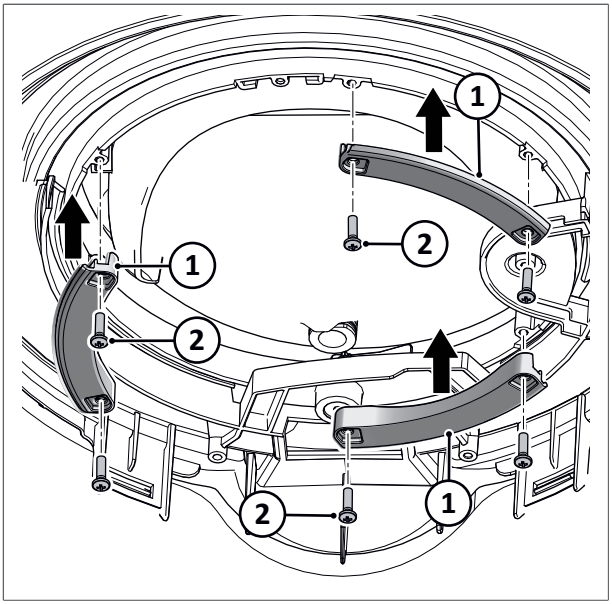
If the saddle is cut, the toilet cannot be converted back to the cassette toilet functionality.

New bowl



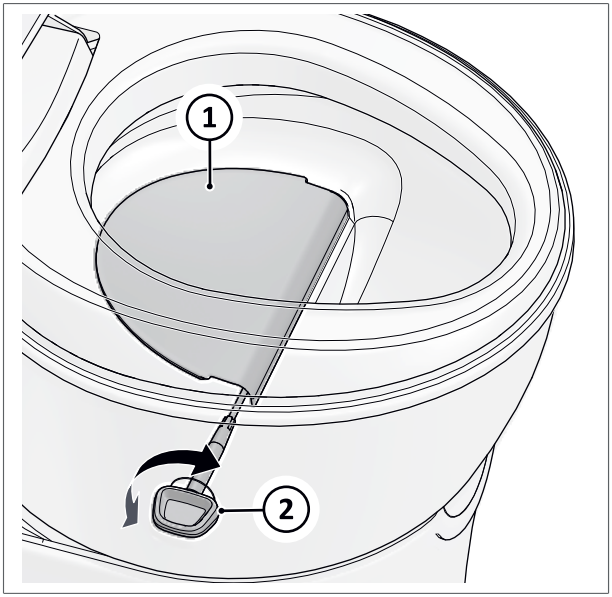
- Take the bowl from the SK220 Separation Toilet Kit and place it on top of the base.

Toilet bowl retainer guides



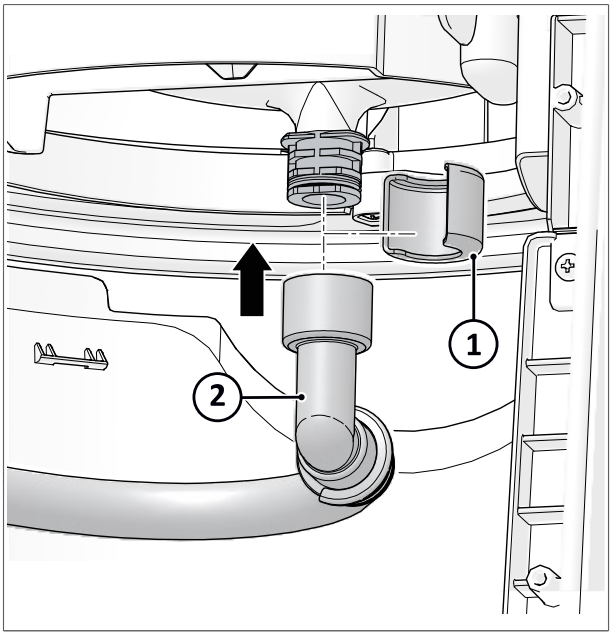
- Refit the 3 retainer brackets and tighten the screws.

Solids valve control



1. Insert the solid valve (1) the bowl.
2. Ensure the valve is in the closed position.
3. Slide the solid valve control handle (2) into the designated hole, without applying excessive force. Find the full insertion position by rotating the valve handle a few degrees to the left or right.

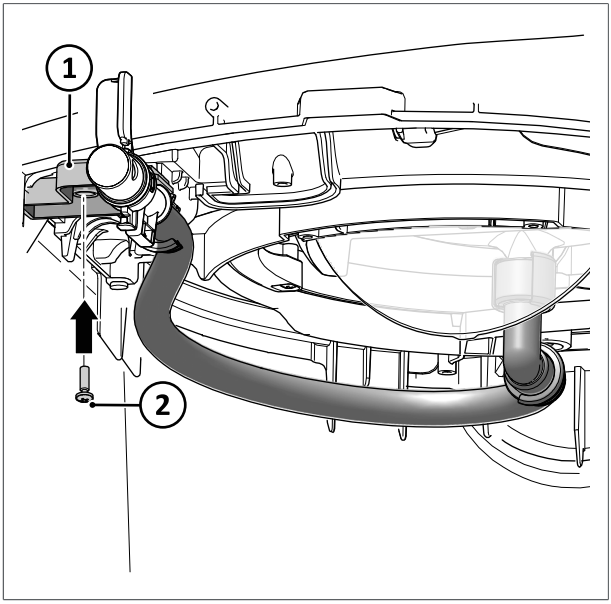
Hose assembly



Connect the urine hose assembly to the bowl.

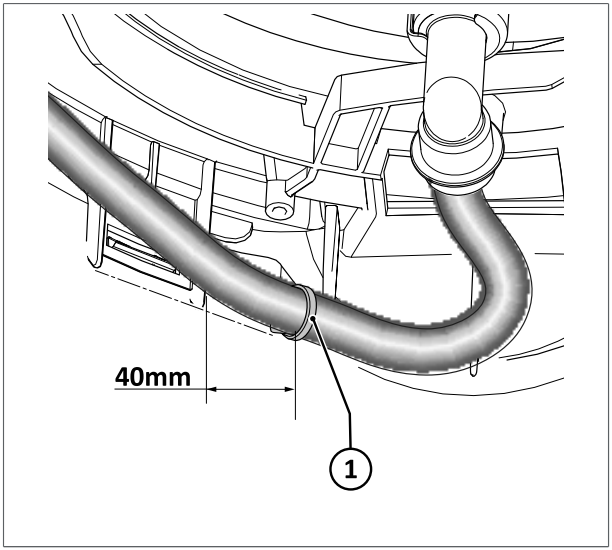
- Remove the mounting clip (1) from the urine hose assembly.
- Slide the hose (2) over the bowl connection.
- Replace the mount-clip (1) to secure the hose assembly in place.

Valve-holder bracket



- Mount the bracket (1) for the valve-mount in the correct position and secure it with the screw (2).

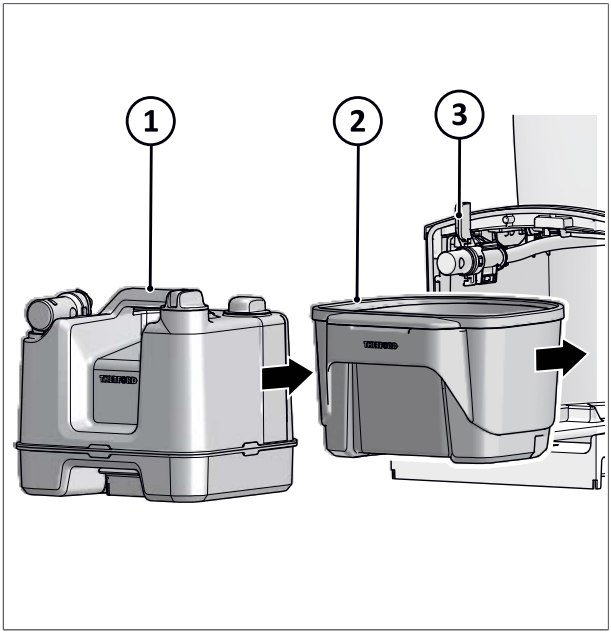
Hose support



- Locate the square adhesive support (1) on the hose.
- Remove the backing sheet and press it firmly in place at the designated location.
- Do not tighten the tie wrap.

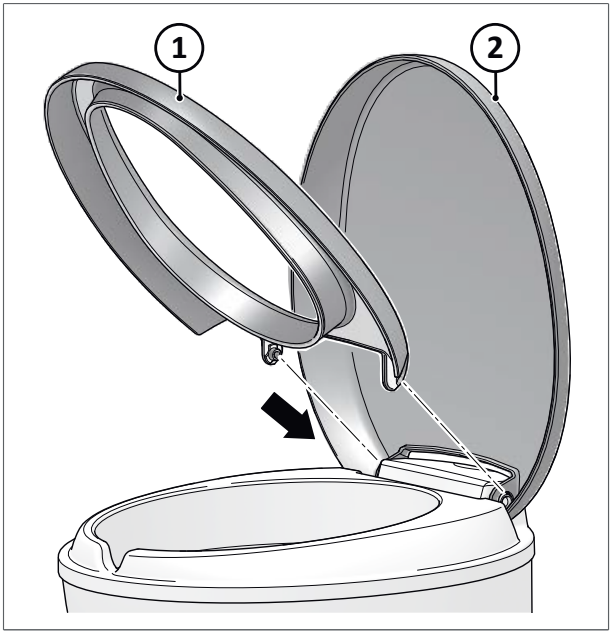
Depending on the most used orientations of the bowl in your situation, it may be needed to use a different position for the hose-support (1). By turning the bowl between the two common positions for your installation, you are able to find the best spot. The hose must never end up above the solids-bucket.

Solids bucket and urine tank



- Slide in the solids bucket (2) first.
- Slide in the urine tank (1) next.
- Turn the urine hose connector lever (3) clock-wise to the horizontal position, to secure the connection and open the valve.

Toilet lid and seat



- Take the lid (2) and seat (1) together.
- Mount the combination on the toilet by hooking in one side first.
- Pull sideways, close to the hinge-point on the other side, hooking the other side in.

Alternatively, the lid and seat can be placed back on the toilet one by one.

8. After installation

Read the applicable instructions in chapter *Safety* first.

Visual and functional checks

Check if:

- All packaging materials have been removed.
- If you have removed the toilet before the conversion:
  - Ensure that the wall seal is positioned correctly.
  - Ensure all fasteners are tightened with the correct amount of torque. Read the applicable instruction in chapter *Installation*

  Ensure that the wall seal is positioned correctly.
- There are no leaks from the toilet bowl to the urine tank.
- The urine-holding tank and solids bucket can be removed and placed back.
- The service door opens and closes properly.
- The service door is waterproof after installation.

9. Service & questions

Read the applicable instructions in chapter *Safety* first.

Service

All servicing must be carried out by an approved competent person.

Questions

If you have questions about your product, parts, accessories or authorised services visit *www.thetford.com*.

If you contact an authorised local Service Centre in your country, provide the details of the model and serial number plus the date of purchase. The data badge can be found on the base of the toilet and underneath the urine tank.

Please note that the SK220 Separation Toilet Kit does not contain a new label. The existing label for the C220 series remains on the appliance. The label on the bottom of the urine tank indicates it is from a separation toilet and can be used when contacting your dealer or customer service.

Toilet label	Urine tank label
	

Risk of water spillage. Use a cloth or towel to avoid any potential spilling and damage.

Warranty

For our warranty clause, please refer to the conditions mentioned on *www.thetford.com*.

Declaration of Conformity

Thetford hereby declares that this product is in compliance with the essential requirements and other relevant provisions of the applicable Directives and Standards. A copy of the Declaration of Conformity can be found at *www.thetford.com*.

THETFORD

EUROPEAN HEADQUARTERS
Thetford B.V.
P.O. Box 169
4870 AD Etten-Leur
The Netherlands

T +31 76 504 22 00
F +31 76 504 23 00
E info@thetford.eu

UNITED KINGDOM
Thetford Ltd.
Unit 6
Brookfields Way
Manvers, Rotherham
S63 5DL, England
United Kingdom

T +44 844 997 1960
F +44 844 997 1961
E infogb@thetford.eu

GERMANY
Thetford GmbH
Schallbruch 14
D-42781 Haan
Deutschland

T +49 2129 94250
F +49 2129 942525
E infod@thetford.eu

FRANCE
Thetford S.A.R.L.
Bâtiment Le Louisiane
10, Chaussée Jules César
95520 Osny
France

T +33 1 30 37 58 23
F not available
E infof@thetford.eu

ITALY
Thetford Italy c/o Tecma s.r.l.
Via Flaminia
Loc. Castel delle Formiche
05030 Otricoli (TR)
Italia

T +39 0744 709071
F +39 0744 719833
E infoi@thetford.eu

SPAIN AND PORTUGAL
Mercè Grau Solà
Agente para España y Portugal
C/ Castellet, 36 bxs 2a
08800-Vilanova i la Geltrú
Barcelona
España

T +34 938 154 389
F not available
E infosp@thetford.eu

SCANDINAVIA
Thetford Scandinavia
Bangatan 6
521 43 Falköping
Sverige

T +46 31 336 35 80
F not available
E infos@thetford.eu

AUSTRALIA
Thetford Australia Pty. Ltd.
130-132 Freight Drive
Somerton VIC 3062
Australia

T +61 3 9358 0700
F not available
E infoaus@thetford.com.au
www.thetford.com.au

CHINA
Thetford China
Rm. 1207, Coastal Building
(East Block)
Haide 3rd Road, Nanshan District
Shenzen, 518054
China

T +86 755 8627 1393
F +86 755 8627 1673
E info@thetford.cn
www.thetford.cn

www.thetford.com

Copyright 2025 Thetford B.V. All rights reserved.

212060/0725-V01