

迪芙图 TEA-FOR-TWO™

K-855T-L/R, K-855T 安装说明书 INSTALLATION INSTRUCTIONS 搪瓷铸铁浴缸 ENAMELED CAST IRON BATH

BEFORE YOU BEGIN

A. Introducton

Please read these instructions carefully to familiarize yourself with the required tools, materials, and installation sequences. Follow the sections that pertain to your particular installation. This will help you avoid costly mistakes. In addition to proper installation, read all operating and safety instructions.

All information is based on the latest product information available at the time of publication. Kohler China Ltd. reserves the right to make changes in product characteristics, packaging, or availability at any time without notice.

These instructions contain important care, cleaning, and warranty information-please leave these instructions for the consumer.

安装之前

A. 引言

请仔细阅读此说明书以熟悉所需要的工具、材料及安装 顺序。遵循适合您的特定安装要求的各项内容,避免昂贵的损失。除了要正确安装外,还应阅读操作及安全说明。

所有的资料是按最新出版的产品资料编写而成。科勒中 国有限公司保留任何时候无须通知即可改变产品特性、 包装或产品可供类型的权利。

说明书包括重要的安装、清洁及保养方面的内容,**请把** 这些资料交给用户阅读。

B. Installer Hazard Notification

CAUTION!! Risk of personal injury.

Cast iron bathes are extremely heavy. Wear appropriate safety equipment when installing these products.

NOTICE: Observe all local plumbing codes.

B. 安装人员危险警告

警告!!避免人员受伤。

铸铁浴缸非常重,在安装时一定要穿戴合适的安全装备。

注意: 请遵守当地的卫生管道施工规范。

PRODUCT REQUIREMENTS

A. Summary Of Key Requirements

- Observe all local plumbing codes.
- Install this bath on an adequately supported, level subfloor. When replacing an existing bath, check floor under bath for damage and repair as needed.
- Provide properly-dimensioned framing.
- K-855T-L/R can be installed in a corner, recess or peninsular installation.

K-855T can be installed in a drop-in or undermount installation. (refer to the installation instruction of UNDERMOUNT WHIRLPOOL AND BATH KIT 1022861.)

A. 关键要求的总结

产品要求

- 请遵守当地的卫生管道施工规范。
- 浴缸必须安装在有足够支撑的水平底层地板上。当更换旧浴缸时,检查地板是否有损坏,并加以修补。
- 提供适当尺寸的结构。
- K-855T-L/R 浴缸的安装方式有: 墙角安装、三面靠墙安装、单面靠墙安装。

K-855T 浴缸的安装方式有: 嵌入式及台下式(安装方式请参考台下式按摩浴缸及浴缸组件安装说明1022861)。

B. Product Inspection

Uncrate and inspect bath for damage. Leave all materials in the crate during construction to prevent damage.

B. 产品检查

小心地打开包装箱并检查浴缸是否损坏。施工期间将所 有的材料都留在箱内,以防止损坏。

1022860

- © 版权为科勒中国有限公司所有, 2003
- © Copyright Kohler China Ltd., 2003

ROUGHING-IN

安装尺寸

A. Rough-in Note

A. 安装尺寸说明

Fixture dimensions are nominal and conform to tolerances in ASME/ANSI Standard A112.19.1M.

浴缸的所有尺寸为公称尺寸,符合美国机械工程师协会/美国国家标准A112.19.1M的允许误差。

B. Determine Rough-in

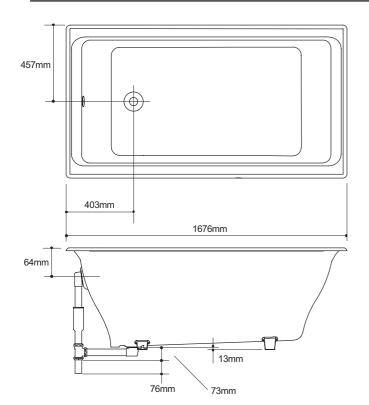
B. 测定安装尺寸

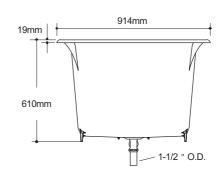
Measure the height, width, and depth of the bath. Verify these dimensions with those on this page.

测量浴缸的长、宽和深度。参照本页的尺寸, 核对所得的测量值。

Allow clearance at the drain hole location in the flooring, if necessary.

如需要, 在地板的排水孔处留出误差余量。





No change in measurements if connected with drain illustrated.				
Cut-out for drop-in	1638mm×876mm			
Cut-out for Undermount	K-855T template required, refer to the installation instruction of UNDERMOUNT WHIRLPOOL AND BATH KIT1022861			

若与K-7147-AF排水连接使用,产品尺寸仍保持不变。				
嵌入式切口尺寸	1638mm×876mm			
台下式切口尺寸	参考K-855T 切割模板,详见台下式按摩浴缸及浴缸组件安装说明书1022861附图。			

Product Information

Bath		K-855T			
Left outlet		K-855T-L			
Right outlet		K-855T-R			
Fixture*	Basin Area		Top Area	Weight	
Bathing	1143mm×635mm		1473mm×737mm	199.6kg	
	water depth		capacity		
To overflow	495mm		397.4L		
* Approximate measurements for comparison only.					

产品信息

浴缸		K-855T			
左出水口		K-855T-L			
右出水口		K-855T-R			
浴缸	底部	顶边	重量		
面积	1143毫米×635毫米	1473毫米×737毫米	199.6公斤		
	深度	满水容量			
到溢水口	495毫米	397.4升			
* 为比较浴缸所用的参考数值。					

Notes

Install this product according to the installation guide. Floor support under this product must provide for minimum loading of 390Kg./square meter. Fixture conforms to ANSI Standard A112.19.1. All dimensions are nominal.

注意事项:

参照安装指南安装此产品。

产品下方的地板支撑必须提供至少390公斤/平方米的承托力。

产品符合ANSI标准A112.19.1. 所有尺寸均为标定值。

C. Required Accessory

DrainK-7147-AF

C. 推荐配件

排水 ·······K-7147-AF

INSTALLATION REQUIREMENTS

A. Tools Required

- Adjustable pipe wrench
- Rule
- Level
- Safety shoes
- Safety glasses
- Square
- Pliers
- Plumbers putty
- Wall coverings, as necessary

- Silicone sealant
- Protective covering for bathtub or card board
- Metal shims
- Screwdriver
- Conventional woodworking tools and materials
- Drop cloth
- 51mmx102mm or 51mmx152mm stud frame

A. 所需工具

- 管道扳手
- 刻度尺,卷尺
- 水平仪
- 安全鞋
- 安全眼镜
- 直角尺
- 钳子
- 管道用油灰
- 墙面保护罩(如需要)

- 密封硅胶
- 浴缸保护套(如纸板)
- 金属垫块
- 螺丝刀
- 传统木工工具和材料
- 抹布
- 51毫米X102毫米或 51毫米X152毫米框架

B. Clearance Requirements

Check the rough-in and room dimensions to provide adequate available space for the bath unit.

B. 预留尺寸

检查安装尺寸及浴室尺寸,确保有充分的空间安装浴缸。

SITE REQUIREMENTS

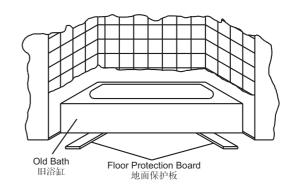
场所要求

A. Old Bath Removal (if necessary)

Disconnect the drain at the trap. Remove the old wall material. Slip boards under the old bath feet the protect the floor, and slide the old bath out of the recess as illustrated.

A. 拆除旧浴缸(如有必要)

在存水弯处拆下排水管,清除所有旧墙材料。在旧浴缸下面塞入护板以保护地面,并按如图所示把旧浴缸从安装空间拉出。



B. Subfloor Preparation

Check the flooring under the bath, and make repairs as needed. Make sure the subfloor is level.

B. 未装修地板的准备

检查浴缸下的地板, 若需要请进行修补。请确保未装修 地板的水平。

C. Plumbing Preparation

Position the plumbing according to rough-in dimensions. Cap the supplies and check for leaks.

C. 管道的准备

将管道按安装尺寸安置。堵塞供水管并检查是否漏水。

BEFORE INSTALLING UNIT

安装浴缸之前

A. The following installation practices <u>must</u> <u>be followed</u> to avoid any potential damage to the enamel finish.

WARNING: Failure to follow the manufacturer's recommended installation method may result in damage to the enamel surface.

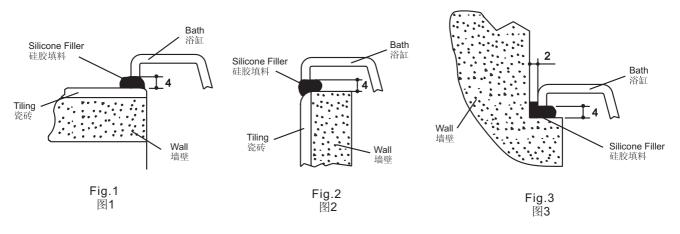
- Do not use sharp objects or metal tools when handling the bath, especially around the rim area.
- Use a clear protective plastic film over tub rim as well as the bottom of tub to safeguard from dirt and silicone during the installation process.
- For correct installation, bath rim should not come in direct contact with the walls and/or horizontal surfaces to avoid transmission of noise and vibration as well as potential cracks in the enamel finish.
- The necessary gap between bath rim and the wall is 2 mm horizontally and 4 mm vertically. Refer to figures 1, 2, and 3 below.
- Before placing setting-in the bath, apply a sanitary quality silicone filler on all surfaces to come in contact with the bath rim.
- Set the bath in its correct position.

A. <u>必须遵守</u>下列具体安装要求,以避免引起对 搪瓷表面任何潜在的损坏:

警告: 如果不按照厂家要求的安装方法执行,将会造成搪瓷表面的损坏。

- 在搬运浴缸时,特别是在浴缸边缘附近,切勿使用尖锐的物体或工具。
- 在浴缸边缘及底部盖一层透明塑料布,以防止在安装 过程中,污垢及硅胶粘贴在浴缸上。
- 正确的安装方法,应该使浴缸边缘不要与墙壁或水平 表面直接相接触,以防止传播噪音和振动,并避免引 起搪瓷表面可能的破裂。
- 浴缸边缘与墙壁之间必须在水平方向至少留有2毫米的间隙,在垂直方向至少留有4毫米的间隙。请参考以下图1、图2、图3。
- 放置浴缸前,在与浴缸边缘相接触的所有表面,涂抹一层高质量的卫生硅胶填料。
- 将浴缸安置在正确的位置上。

UNIT: mm 单位: 毫米



B. Partially Install Bath Drain

Install the drain on the bath according to the drain manufactuer's instructions.

B. 局部安裝浴缸的排水配件

安装浴缸

按照厂家说明书,把排水配件部分安装在浴缸上。

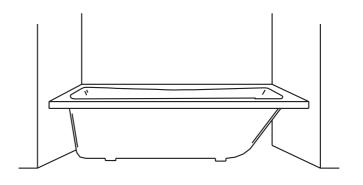
INSTALL THE BATH

A. Through the Floor Drain Bath Installation

Slide the new bath into position to verify the drain location and the stud fit. Cut a minimum 152 x 305 mm hole in the floor for the drain connection.

A. 排水管通过地板的浴缸安装

将新浴缸放置在安装位置以了解排水孔和浴缸底脚的位置。在地板合适的位置为排水管开出一个152×305mm的长方孔。



Use 25~30 Kg dry cement and sand mix. Add water to make a paste mortar. Remove the tub. Cover the installation area with the mortar starting from the middle of the tub as shown. The height of the mortar should reach the bottom of the tub.

NOTE: DO NOT CLOG THE DRAIN HOLE.

Place the tub onto the mortar. Insert the drain tailpiece into the trap.

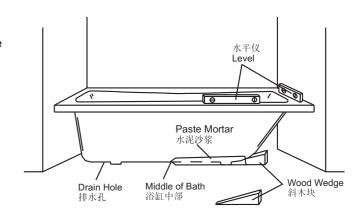
Make sure that the bottom of the tub is pressed into mortar in order to secure the tub. Insert two wood wedges under the tub to support the weight of the tub until the mortar hardens. (Wedges will remain in the mortar.) Frequently check the level of the tub.

用25~30公斤的干水泥及砂,加水调成稠水泥沙浆。将浴缸移出,用水泥沙浆从浴缸中部覆盖至无排水口一端的安装区域,如图所示,水泥沙浆的高度应能与浴缸的底面接触。

注意: 避免将排水口堵塞。

将浴缸放置在预先测好的位置,把排水管尾端插入存水管。

将浴缸底部紧压在水泥沙浆上以固定浴缸。在浴缸底部插入两个斜木块来支撑浴缸。水泥沙浆干涸后,斜木块还应留存其内。装置时,请随时用水平仪校正浴缸的水平度,使浴缸保持水平。



B. Install Plumbing

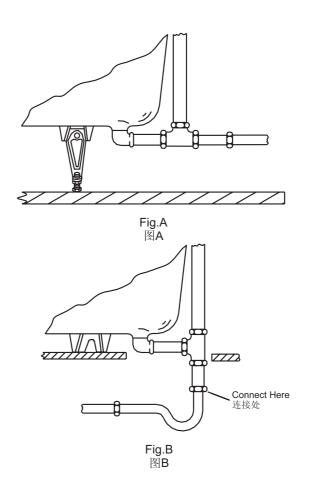
CAUTION: Risk of damage to bath bottom and subfloor. Ensure a watertight seal on the bath drain connections.

- 1). For bath with the adjustable feet, the drain tee should be rotated 90 degrees to facilitate the above the floor drain plumbing. See fig. A.
- 2). For through the floor drain installation, when the bath is securely positioned, connect the drain to the trap. See fig. B.
- Install the faucet valving and spout tee. Open the hot and cold water valves, and check the supply connections for leaks.
- 4). Run water into the bath, and check the drain connections for leaks.

B. 安装卫生管道

注意:避免损坏浴缸底部和底层地板。浴缸的所有排水接口都要确保做防渗密封。

- 1). 对于有调节支撑脚的浴缸,排水三通应被旋转90度,以配合地板上式排水管道系统,如图A。
- 2). 对于排水管通过地板的安装, 当浴缸固定到位后, 将排水管与存水弯相接, 如图B。
- 3). 安装水龙头阀门及喷头三通。打开冷水及热水阀门, 检查所有给水管接头是否有渗漏。
- 4). 让水流入浴缸, 检查排水配件接头是否有渗漏。



C. Finish Bath Area Construction

NOTE: An access panel is essential for future maintenance.

Possible framing arrangements are illustrated below. Use the framing construction appropriate for your particular bath model. Some modifications may be needed for other types of construction, if preferred. If an apron wall without a ledge is desired, the finished apron wall surface must be 2 mm under the bath rim.

C. 完成浴缸的支架结构

注意: 为方便以后维修, 一定要安装一个检修门。

下图所示为几种常用的支架桔构,请采用适合您的浴缸型号的结构。对不同的支架结构方式,也许有必要进行适度调整。

如果选择与浴缸边缘齐平的裙板墙,完工后裙板墙的高度应低于浴缸边缘2mm。

Recommended For K-855T-L/R

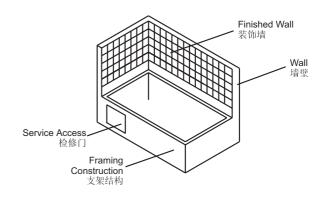
1). Corner Installation

The suggested framing construction is illustrated.

1). 墙角安装

右图为建议的支撑结构。

●下列建议适合K-855T-L/R使用

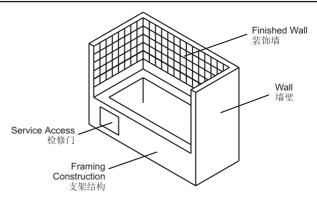


2). Recess Installation

The suggested framing construction is illustrated.

2). 三面靠墙安装

建议的三面墙环围的支撑结构如图所示。

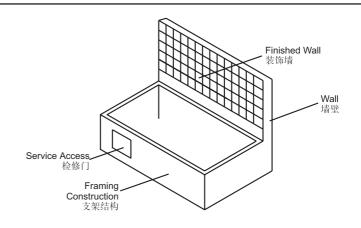


3). Peninsular Installation

The suggested framing construction is illustrated.

3). 单面靠墙安装

建议的单面墙支撑结构如图所示。



 \triangle

CAUTION: Risk of product damage. Do not support the weight of the bath by the rim.

Install the ceramic or marble tiles. Seal the joints between the bath rim and the finished tiled wall using silicone sealant. RTV (Room Temperature Vulcanizing) sealant is recommended.

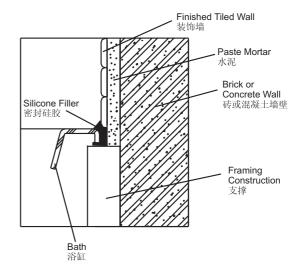
Apply a bead of silicone sealant over the seam between the bath apron and the finish floor.

 \triangle

注意: 当心损坏浴缸! 不要靠浴缸边缘支撑浴缸的重量。

安装墙壁帖面(如瓷砖或大理石贴面)。用硅胶密封浴缸边缘和贴面的连接处。建议使用常温下硬化的密封胶。

在浴缸裙板和地板贴面间涂一圈硅胶以防渗漏。



Recommended For K-855T Drop-in Models

A. Undermount Installation

Refer to the installation instruction of UNDERMOUNT WHIRLPOOL AND BATH KIT 1022861.

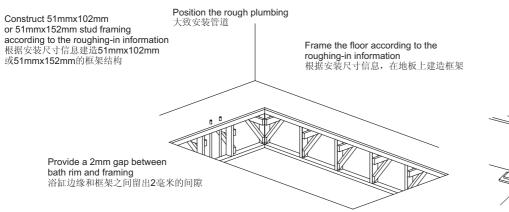
● 下列建议适合为K-855T使用

A. 台下式安装

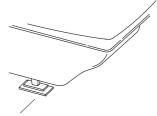
请参考《台下式按摩浴缸及浴缸组件安装说明书》1022861。

B. Drop-in Installation

B. 嵌入式安装



Verify that the subfloor offers adequate support, and is flat and level 确定底层地板能提供足够支撑,而且平整水平



Level by fitting metal shims under bath feet 在浴缸撑脚下放置金属垫片,调节浴缸水平

1. Prepare the Site

NOTICE: Unless otherwise specified, floor support under the bath must provide for a minimum of 390Kg./square meter loading.

CAUTION: Risk of property damage. Do not support the bath by the rim. Provide support under the legs.

- Make sure the flooring offers adequate support for your bath and verify that the subfloor is flat and level.
- When replacing an existing bath, disconnect the drain at the trap. Slip boards under the feet of the old bath to protect the floor as you slip the old bath out.
- The bath should be installed in a drop-in installation. Construct 51mmx102mm or 51mm x 152mm stud framing designed for your particular installation. Provide a 2mm gap between the bath rim and the stud framing. Frame the floor, or construct a frame for a raised installation in accordance with the roughing-in information packed with the bath.
- Use the roughing -in cut-out information to carefully lay out and cut the rough deck material.
- Position the plumbing according to the rough-in information packed. Cap the supplies, and check for leaks.

1. 场所准备

注意:除非另有规定,一般情况下浴缸底部的地板必须提供至少390公斤/平方米的承载力。

- ♠ 警告: 小心财物受损。不要靠边缘支撑浴缸,应该由其底部的撑脚进行支撑。
- 确定地板能为应该提供足够支撑,而且平整水平。
- 更换旧浴缸时,拆除存水弯上的排水。将旧浴缸拖出时,在撑脚下面垫上护板,以保护地板。
- 浴缸以无裙边嵌入式安装。需专门构建51mmx102mm或51mmx152mm的框架结构。浴缸边缘和框架之间留出2毫米的间隙。根据随浴缸包装的安装尺寸信息,在地板上设置框架,或者建造框架以提高安装高度。
- 根据安装尺寸信息及切割模板,仔细地划出并切割坚硬的台面材料。
- 根据随货包装的安装尺寸信息安装管道。堵住供水, 检查是否有渗漏。

2. Prepare the Bath

- Install the drain to the bath according to the drain instructions. Do not connect the trap at this time.
- Position a clean drop cloth or similar material in the bottom of the bath. Be careful not to scratch the surface of the bath.

2. 准备浴缸

- 按照说明书安装排水。此时无需连接存水弯。
- 浴缸内盖上一块干净的抹布或类似材料。小心不要刮伤浴缸表面。

3. Install the bath

⚠ WA

WARNING: Risk of personal injury. Your cast iron bath is extremely heavy. Obtain sufficient help to carefully lift or move the bath.

CAUTION: Risk of product damage. Do not support the bath by the rim. Provide support under the legs.

- Carefully move the bath into position.
- · Insert the drain tailpiece into the trap.
 - CAUTION: Risk of property damage. Ensure a watertight seal on the bath drain.

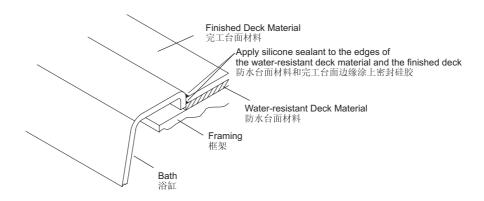
3. 安装浴缸

警告: 小心身体受伤。铸铁浴缸十分沉重。最好请人帮忙一起搬动。

警告:小心产品受损。不要靠边缘支撑浴缸,应 该由其底部的撑脚进行支撑。

- 将浴缸小心地搬至所需位置。
- 将排水尾管插入存水弯。
- **警告:小心财物受损**。确保浴缸排水经过密封处理,不会渗漏。

- Level the bath by fitting metal shims under the bath feet as needed. The bath must be resting on all four feet. Ensure bath is level along the top and across the drain side. If the feet are not accessible from the back or side, move the bath in and out of position to shim it properly.
- In sunken installations, make sure there are supports placed under the bath.
- 在浴缸撑脚下放置金属垫片,调节浴缸水平。浴缸必须由全部四个撑脚进行支撑。确保浴缸顶部和排水端水平。如果够不着背侧或两侧的撑脚,可以将浴缸移出,然后垫片调节水平。
- 采用嵌入式安装时,确保浴缸下有支撑。



4. Install the plumbing and Grip Rails

NOTICE: An access panel will simplify future maintenance.

- Install the faucet valving according to the faucet manufacturers instructions. Do not install the faucet trim until instructed. Open the hot and cold water supplies, and check the supply connections for leaks.
- Fill the bath to overflow, and check the overflow and drain connections for leaks.
- If your bath requires grip rails, install them now according to the installation instructions packed with the grip rails.

4. 安装管道和扶手

注意: 预留检修门,以便日后维修。

- 根据龙头制造商的说明书安装龙头阀。除非另有指示,否则不要安装龙头饰件。打开冷热水阀门,检查所有给水管接头是否有渗漏。
- 注水入浴缸至溢出,检查溢流和排水配件接头是否有 添漏
- 如果浴缸需要安装扶手,现在就可以根据随货供应的 安装说明书进行安装。

5. Complete the Finished Deck

- If you have not already done so, carefully remove the protective tape from the bath rim.
- Cover the framing with water-resistant deck material.
 Seal the joints between the bath rim edge and the water-resistant deck material with silicone sealant.
- Tape and mud the water-resistant deck material.
 Install the finished deck to the water-resistant deck material. Seal the joints between the bath rim and the finished deck material with silicone sealant.
- Install the faucet trim according to the instructions packed with the trim.

5. 安装完工台面

- 如果尚未进行此项操作,则先小心地撕掉浴缸边缘上的保护胶带。
- 框架上覆盖防水台面材料。浴缸边缘与防水台面材料 之间的接缝用密封硅胶填满。
- 防水台面材料贴上胶带,涂上灰泥。将完工台面安装 到防水台面材料上。浴缸边缘与完工台面之间的接缝 用密封硅胶填满。
- 根据说明书安装龙头饰件。

CLEAN-UP AFTER INSTALLATION

When cleaning up after installation, do not use abrasive cleansers as they may scratch and dull the surface. Use warm water and liquid, non-abrasive detergent to clean the surface.

Stubborn stains, paint, or tar can be removed with turpentine or paint thinner. Do not allow cleaners containing petroleum distillates to remain in contact with the bath surface for long periods of time. Plaster can be removed by scraping with wood edge. Do not use metal scrapers, wire brushes, or other metal tools. One of the powder type detergents may be used on a damp cloth to provide mild abrasive action to the residual plaster.

完工清理

在安装完成后进行清理时,请勿使用磨损性的清洁用具,以免擦伤浴缸表面,使其失去光泽。使用温水和非磨损性的液体清洁剂,清洗浴缸表面。

难以清除的污迹、油漆、或柏油,可用松节油或油漆稀释剂擦净。请不要让含有汽油溶解物的清洁剂和浴缸长时间接触。滞留水泥可用薄木刀刮掉。请不要使用金属刮刀,钢丝刷,或其它金属工具,对残留的灰泥,可用湿布粘些洗衣粉,以提供轻微的研磨作用。

IMPORTANT CONSUMER INFORMATION

A. Housekeeping Responsibilities

The Safeguard slip resistant surface on this bathtub meets or exceeds the requirements of ASME/ANSI for slip resistance.

DANGER!! Improper maintenance or cleansers may permanently remove the slip resistant surface on Kohler bathtubs.

NOTICE: All housekeeping and maintenance employees must be trained in the proper cleaning of Kohler bathtubs. Post a copy of this notice in a readily-visible location.

DO NOT use steel wool, wire brushes, metal scrapers or abrasive sponge pads to clean a Kohler bath tub.

DO NOT use buffing machines on the slip resistant surface.

DO NOT use high alkaline or strong acid cleansers. DO NOT use abrasive cleansers.

- Use only non-abrasive cleansers and a soft nylon brush to clean the slip resistant surface.
- When using commercial cleansers, use cleansers with a pH of between three and eight.
- Follow cleanser manufacturer instructions very carefully.

重要的用户资料

A. 用户的责任

浴缸的 Safeguard防滑表面达到或超过 ASME/ANSI A112.19.1M对防滑表面的要求。

危险!! 不适当的维护或清洁剂的使用可导致科勒浴缸的防滑表面永久失去。

注意: 所有的清洁和维修人员都应当进行正确清洗科勒 浴缸的培训。请将此注意事项的复印件张贴在显 著的位置。

请勿 使用钢丝绒,钢丝刷,金属刮刀或有磨损性的海绵垫清洗科勒浴缸。

请勿 在防滑表面上使用抛光仪器。

请勿 使用强碱或强酸性的清洁剂。请勿 使用磨损性的清洁剂。

- 请使用没有磨损性的清洁剂和软尼龙刷清洗浴缸的防滑表面。
- 请使用pH值3和8之间的清洁剂(若要使用商业用清洁 剂时)。
- 请仔细按照清洁剂生产厂家的说明书进行清洗。

LIMITED ONE-YEAR WARRANTY

Kohler plumbing fixtures and fittings are warranted to be free of manufacturing defects.

This product is warranted for one year from date of purchase. Kohler China will be responsible for any problems caused by manufacturing defects provided with the invoice. Kohler China will, at its election, repair, replace or make appropriate adjustment where Kohler China inspection discloses any such defects occurring in normal usage within one year after purchase.

Implied warranties including that of merchantability and fitness for a particular purpose are expressly limited in duration to the duration of this warranty, Kohler China disclaims any liability for special, incidental or consequential damages. Damages to the product caused by misuse, abuse and installation that is not in accordance with the owner's manual are not covered by this warranty.

To obtain quick warranty service, please contact your dealer, or write to Kohler China. (Original sales receipt must be provided as the proof of purchase.)

Kohler China Investment Company Ltd. Central Customer Service Center 19/F, Shanghai Square, 138 Huai Hai Road, Luwan District, Shanghai, PRC Zip Code: 200021

This is our exclusive written warranty.

一年有限担保

科勒公司担保其陶瓷及浴缸产品及配件在制造工艺上无 瑕疵。

本产品自购买之日起即获得本公司一年的质量保证。在 质保期内,凭购货发票,科勒公司将免费承担由制造质 量引起的任何问题。经核查后,科勒中国有限公司有权 决定是修理、更换、还是作适当的调整。

这里所指的担保,包括产品,都已明确地限制在该担保期之内。科勒中国有限公司对其后出现的损坏不负有任何责任。担保也不包括外观损伤、使用不当以及未按说明书安装的损失。

为获得快捷的担保服务,请联系您的销售商;您也可写信给科勒中国有限公司(请出示销售发票原件作为购货凭证):

科勒(中国)投资有限公司中央客户服务中心上海市卢湾区淮海中路138号上海广场19楼邮编: 200021

这是我们全部的书面担保。

上海科勒有限公司 上海市浦东星火开发区民乐路368号 邮编: 201419