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## ***BERENO INSTALLATION MANUAL***



## INSTALLATION INSTRUCTIONS

**WARNING: This unit is heavy – minimum of two people are required to move it.**

*Please read through carefully before commencing any work.*

Unit weight empty 84 Kg

Maximum user weight 26stone (165kg)

Electrical supply 240 Volt

Switched fuse spur rated 5 Amp

RCCD rated 30mA

System operating voltage 24 volt

### Preparation of Site

- (a) Carefully remove all packaging and inspect bath thoroughly. **Note:** Do not use sharp knives or instruments to remove packaging around the finished surface areas of the bath.
- (b) Ensure all component parts are present before proceeding to remove any existing facilities.
- (c) Remove any existing equipment and materials as necessary to prepare the site.
- (d) Prepare the floor area and ensure it is flat, level and structurally sound.

### Electrical Work

All electrical work must comply with IEE Regulations and should only be carried out by a qualified electrician.

The electrical supply should be fed via the mains through an RCCD to a switched fused spur rated at 5 Amps where the power cable (supplied with the bath) is hard-wired connected. Please note this must be accessible by the property owner to allow them to switch the unit off if required (i.e. NOT BEHIND PANELS OR BOXED IN).

It is strongly recommended that the wire is left long enough so that the bath can be operated when out of its intended position.

Test the unit is functioning by operating the up and down buttons so that the seat moves, and ensure the green power indicator light is visible on the control box. The pack is low voltage and runs at 24v DC 5 Amp supply.

### Bath Fitting

- (a) **Remove the wooden transportation board and keeping the four slotted fixing brackets.**

**Fig 1.** You will note that there are six bath feet. It is imperative the bath is correctly level in all planes, as any distortion will cause the seal around the door to leak.

**Fit the bath to the floor using the power bath installation kit provided – see page 6.**

Offer bath to required position and place into exact position. Level using the four feet situated in each bath corner only. Place the rear slotted feet mounting brackets with the slots positioned so that the bath may be slid out of position and the foot mounting brackets left in place. **Fig 2.** Mark fixing centres for the mounting brackets and pull the bath away from the wall. Fix rear slotted feet mounting brackets securely to the floor. Run plumbing feeds under the bath. Plumb in and run the appropriate waste allowing, where possible, the steepest and shortest fall-away to assist in draining the bath. The drainage is to be via a standard 1½” waste and trap. Identify the best position for the taps, mark and drill the bath as needed and plumb in. Connect waste and test. Ensure that the appropriate Water By-Laws are followed.

- (b) Run a 22mm hot feed to the thermostatic valve and plumb into the port marked ‘H’ and a 22mm cold into the port marked ‘C’. Take a 22mm feed from the ‘M’ mixed feed and run to hot tap fitted on the bath. This will then mean that when the customer opens the hot tap on the bath,

‘mixed’ water will run. Take a ‘Tee’ off the cold supply before it goes into the thermostatic valve and run this to the cold tap. This allows the customer to draw cold water into the bath, should they so wish. **Fig 4.**

(c) We recommend that the valve be set to its maximum temperature setting in most cases. This allows the customer to have a hot bath if they wish – with no fear of scalding – but also allows them to cool the bath with cold water by operating the cold tap as required. **Please discuss this with the customer before setting the valve to confirm their preference.**

(d) Mark out positioning of the panel support battens. Do this by lining them up directly under the corners of sides marked (A) and (B). **Fig 5.** Drill and fix battens into place. We suggest a bead of silicone sealant is offered to the lip of the bath to ensure a watertight finish between the wall and the bath. At this stage the bath should be filled with water to the overflow to ensure that the maximum downward pressure is exerted on the bath. Then run a bead of silicone around the edge. Leave the water in the bath for as long as possible to allow the silicone to cure.

(e) Offer the panels up and trim to suit, push the panels into place using the metal spring clips fitted to the bath to hold them into position whilst drilling through the panel and clip to fit the self tapping screw and cover cap. It is preferable to fit the panels when the bath is full of water. This then takes into account the weight of water bearing down so that the panels can be trimmed to the floor. If you fit the panels tight to the floor and then fill the bath with water, the pressure bearing down can cause the panels to spring out. Each panel needs to then be drilled to accept two screws to hold the panel against the wall batten.

## **Earth Bonding**

*Earth bonding and cross bonding is mandatory for this appliance.*

All metal fittings must be cross-bonded (joined together) to ensure that should electricity be present, it is grounded to earth as quickly as possible. This means that should a bath be replaced, then the metal legs of the bath and the hot and cold taps must be cross-bonded. This also applies to any other fittings. Appropriately rated earth wire is to be connected to every metal fitting of the installation and then fed back to the earthing system of the building. If plastic pipe is used then the earth wire needs to be looped back to the copper feeds. This should be carried out by a qualified electrician and comply with current NEC Regulations.

## **Water Supply**

Local Water By-Laws must be followed at all times.

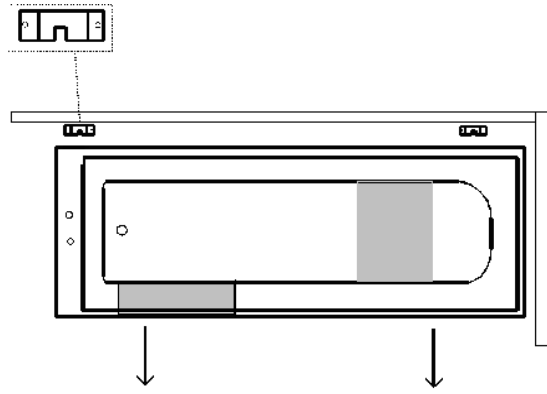
## **Testing**

(a) The unit is now completed. Ensure the bath is free from debris. Clean the door and seal with clean soapy water, removing any grit or build-up of dirt. Fill bath with water and check for leaks.

(b) Should the coloured finished surface of the bath become marked or scratched, it is normally possible to rectify quite simply. Firstly, apply 1000/1200 grade wet and dry paper, initially using it dry. After the mark has been reduced, use with soapy water. To restore the finish to the bath, apply a cutting paste such as ‘T’ Cut or Brasso, and finally finish off with a silicone-based polish such as car wax or ‘Mr. Sheen’.



Slotted foot mounting bracket **Fig 1**



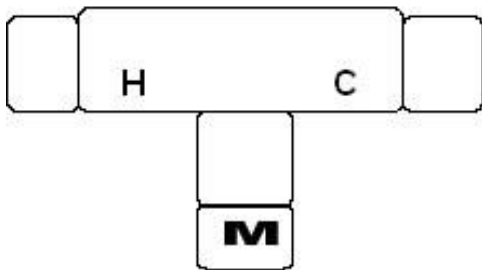
Positioning of rear slotted foot brackets **Fig 2**



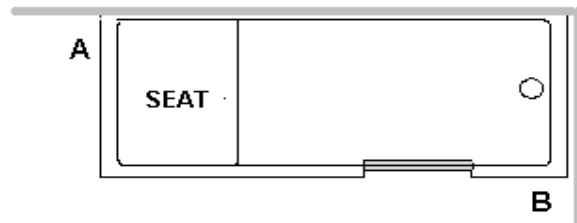
Frame with clearance showing underneath **Fig 3**



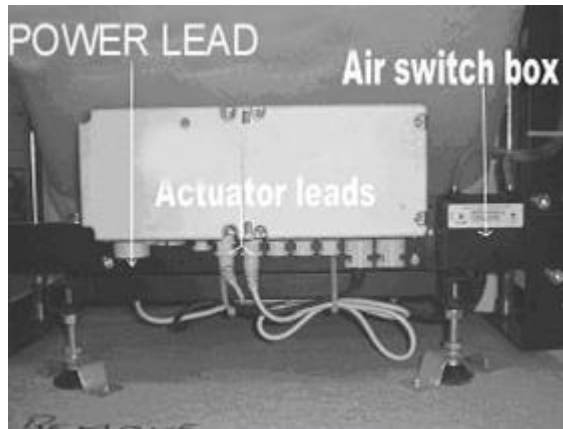
Middle feet



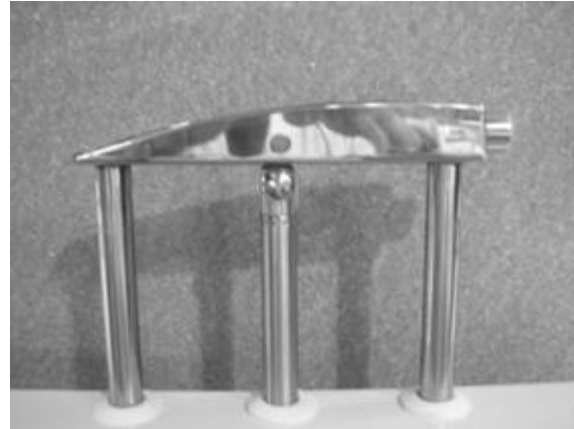
Thermostatic mixing valve **Fig 4**



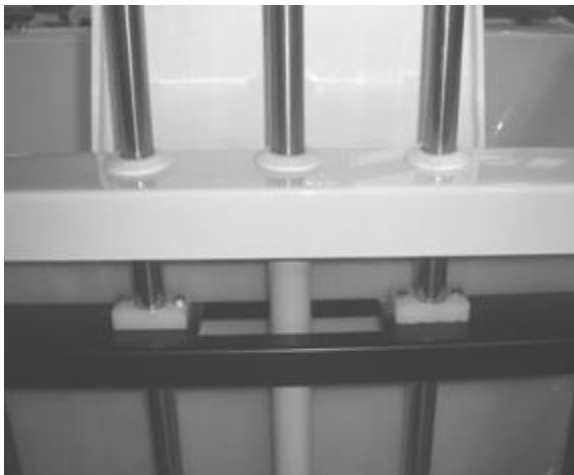
Positioning of panel battens **Fig 5**



Power control unit



Yoke assembly



Outer and inner guide tubes



Air switch box



Installation kit



Up /down control buttons

***Should special dismantling of the bath be required for access or installation purposes, please contact your supplier***

## **OPERATING INSTRUCTIONS**

Your bath is simple to use and maintain. However, there are some basic guidelines which should be followed to ensure you get the best out of your unit.

Please ensure that hands and objects are kept away from the underside of the seat when lowering into the bath.

To clean the unit, hot soapy water should be sufficient. Scouring powder and abrasive cleaners must never be used.

### ***To operate the unit, please follow these simple instructions:-***

The push buttons used to operate the bath seat are completely safe to use with wet hands.

The bath seat should be lifted from its parked position in the base of the bath using the up button. Once the seat is up it is recommended that you enter the bath and close the door.

Make yourself comfortable on the seat and commence filling the bath with water. Please note that the bath should not be filled to its maximum capacity, as when the user enters the bath, the water level will rise.

In the event of the bath being overfilled, water may either drain naturally through the overflow, or the plug should be temporarily removed to allow a sufficient amount of water to be drained away. Once the bath has been filled, the seat should then be lowered to the base of the bath.

Once you have finished bathing it may be emptied in the conventional manner.

The door must not be opened until the bath is completely empty of water.

### ***Removing the Seat***

To remove the seat, simply depress the two buttons located on the top of the yoke simultaneously, and at the same time lift the seat.

## **HELPFUL HINTS**

Make sure the bathroom is warm before you decide to have your bath. In this way you will be able to enjoy your bath fully.

A small towel draped across the shoulders whilst the bath is filling is also a good way to ensure you are fully relaxed.

We suggest that, as the bath is filling, you wash yourself working from the toes upwards so that as the water rises you are rinsed off automatically!

Keep a towel handy so that you can dry yourself as the bath empties.

## **Care**

The bath should be wiped down, preferably whilst the bath is draining, with a soft, damp soapy cloth. On no account should abrasive cleaners or bleaches be used.

Particular attention should be paid to the cleaning of the door seal, as the slightest amount of debris can cause the seal to leak.

Plated fittings, such as the handle and hinges, must only be wiped with a soft, damp soapy cloth.

A weekly wipe around the seal with a soft, damp soapy cloth is recommended to ensure it remains serviceable.

Chalk mark deposits from the water or mild scratches may be removed from the bath surface with a mild cutting fluid such as 'T' Cut or Brasso. This should be applied to the affected area with a soft cloth and rubbed vigorously until a satisfactory finish is effected. The shine to the area may then be brought back using a wax-based polish.

The shafts connecting the seat to the bath should be cleaned weekly using a silicone-based furniture polish. (i.e. Mr. Sheen). Please do not use wax-based products. When not in use, the seat should be left in the down position inside the bath.

## **IMPORTANT**

When not in use the door should be left in the closed position, although not in the fully latched closed position. This will prevent the hinges being strained whilst stopping the seal becoming compressed over time.

**ON NO ACCOUNT SHOULD PRESSURE BE PUT ON THE DOOR WHILST IN THE OPEN POSITION**

***PLEASE NOTE THERE ARE NO USER SERVICEABLE ITEMS ON THIS UNIT***