

# MONTANA

## INSTALLATION MANUAL



# MONTANA – POWERED SEAT WALK IN BATH

## KEY INFORMATION

Maximum user weight: 26 stone / 165kg

Water Capacity: 220ltr

Approximate Bath weight (empty): 84kg

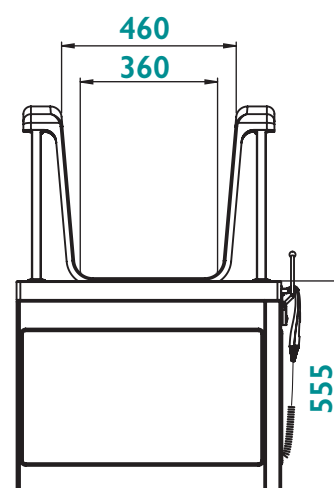
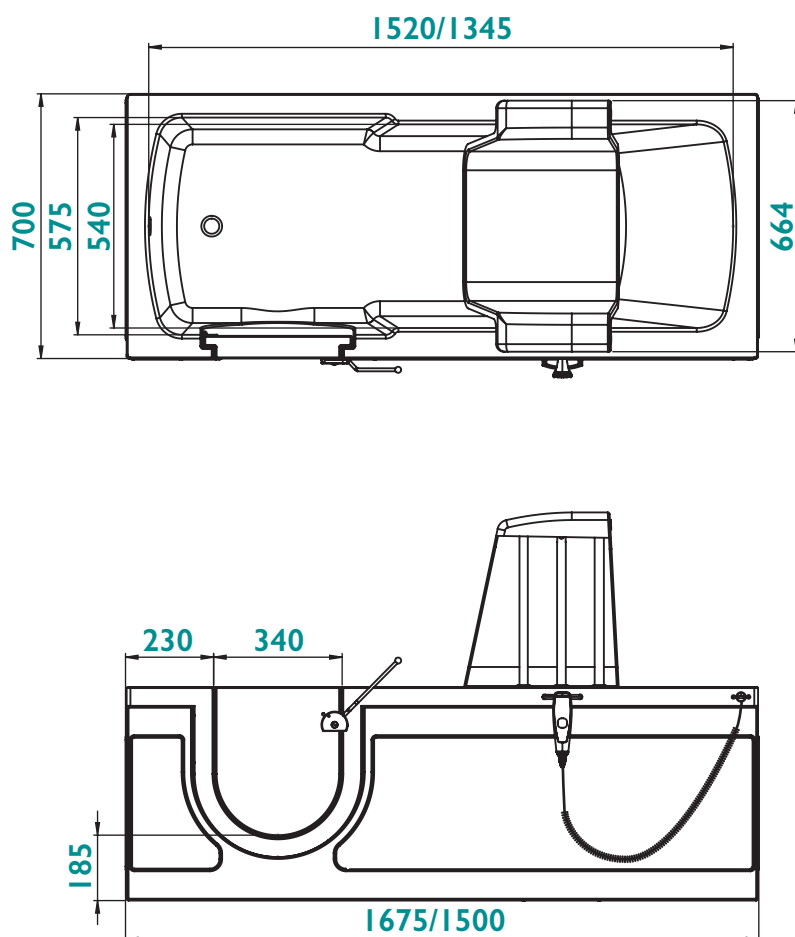
Power Supply: Mains 230V to be supplied via 30mA RCD

Operating Voltage: 24V

Fuse Spur: 5 Amp IP65 rated Non-Switched Fused Spur

Battery backup: Yes

BioCote® antimicrobial additive as standard, proven effective against influenza H1N1, E. coli, Salmonella and CRO, CRE, VRE and MRSA



Left hand example (handing of a bath is indicated from which the side the door is when seated in the bath).

Both 1700 and 1500 length bath sizes are annotated on the above diagram.

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# PREPARATION OF SITE



This unit is heavy – minimum of two people are required to move it. Please ensure the bath is carried only by the frame or flange. Please read through carefully before commencing any work.

- 1 Carefully remove all packaging and inspect bath and panels thoroughly.

**NOTE** Do not use sharp knives or instruments to remove packaging around the finished surface areas of the bath.

- 2 Check all component parts are present before proceeding to remove any existing facilities, this can be cross checked against the parts list supplied.
- 3 Remove any existing equipment and materials as necessary to prepare the site. Check that the site is clean and free of debris.
- 4 Prepare the floor area and ensure it is **FLAT, LEVEL AND STRUCTURALLY SOUND**. Check walls are square.
- 5 You may want to remove the door or seat to make is easier to install.

The bath door can be removed by simply lifting carefully. Do not unscrew the hinges from either the door or bath.

To remove the seat, the bath will need to be plugged in and handset fitted to do so, see **PAGES 10 and 11** for guidance.

Use the handset to move the seat to its halfway position, carefully push in the two rear chrome buttons and lift the seat off starting at the head end of the bath. See **FIGS. 1 and 2**.

FIG. 1

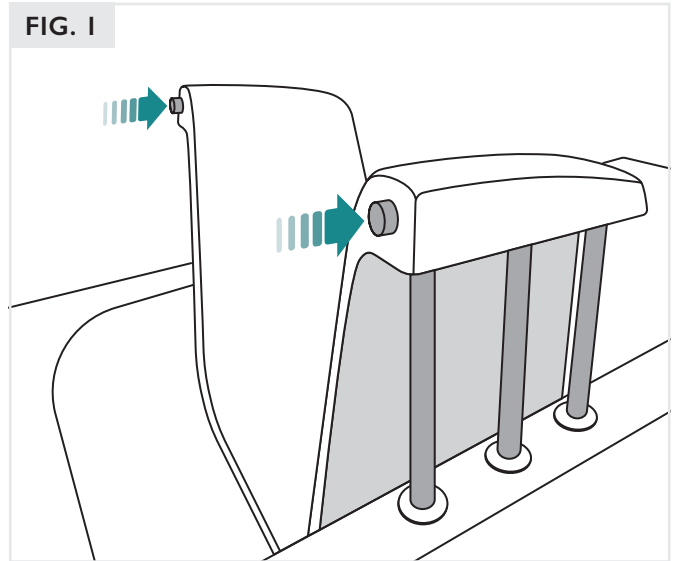
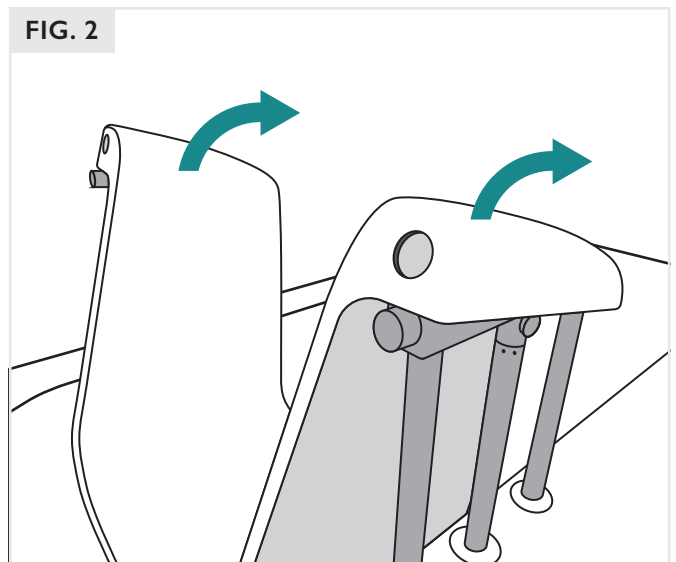


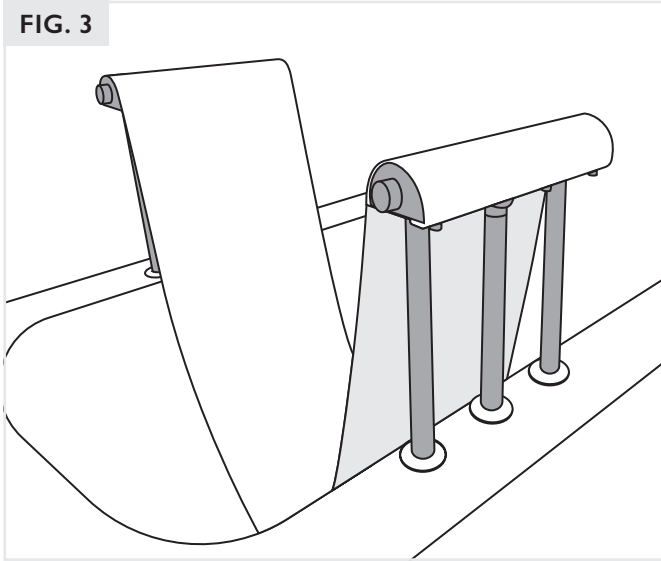
FIG. 2



## PREPARATION OF SITE

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**FIG. 3**



### SOFT SEAT OPTION

The material seat available on the bath provides a softer alternative to the solid option. The soft seat enables you to sit on the bottom of the bath maximising your bathing space and comfort.

Fitting the soft seat is very similar to the standard solid seat.

- 1 Use the handset to move the seat to its halfway position.
- 2 Ensure the fabric is the correct way on the shrouds (covering them)
- 3 Locate the shroud onto the yoke assembly ensuring they are the correct way around lining up the lock button and yoke hole.
- 4 Depress the buttons and fit the shroud over to lock it in place. Reverse steps to remove. See **FIG. 3**.

# BATH FITTING

- 1 Before the bath is in its final position identify the best position for the taps, mark and drill the bath as needed. Install the waste and overflow to the bath.
- 2 Remove and dispose of the wooden transportation board/pallet but **KEEP THE FOUR SLOTTED FOOT BRACKETS**. See FIG. 4.

**NOTE** It is imperative the bath is correctly level in all planes, as any distortion will cause the seal around the door to leak.

- 3 Offer bath to required position and place into exact position. Level using the feet situated in **each bath corner only**. Place the rear slotted foot brackets with the slots positioned so that the bath may be slid out of position and the foot mounting brackets left in place.

**NOTE** Ensure the slot in the bracket is facing out.

- 4 Mark fixing centres for the brackets, remove the bath leaving brackets in place. Fix rear slotted feet brackets securely to the floor. See FIG. 5.
- 5 Slide the bath back into position and adjust the four corner feet to level the bath. Do this by loosening the top locking nuts beneath the frame, then use the bottom nuts to adjust the height until the bath is level. Tighten the top locking nuts into place once again. Offer up the foot brackets to the front feet and fix securely to the floor, locking the middle nut to the foot brackets to secure bath. See FIG. 6.
- 6 Secure the two support feet by loosening the top nuts, lower the feet until they are sitting on the floor and taking the weight of the bath. Once in position lock off the two top nuts.



Check the bath is level and ensure that the weight is evenly carried.

FIG. 4

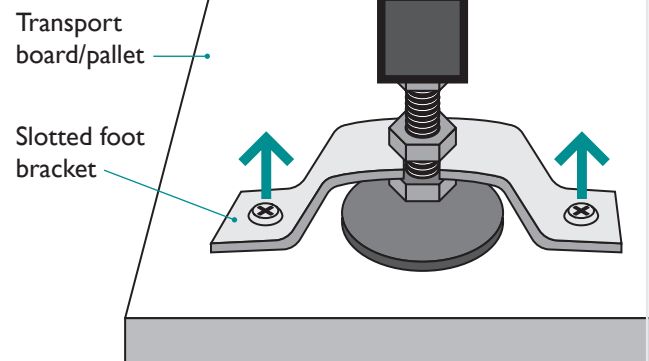
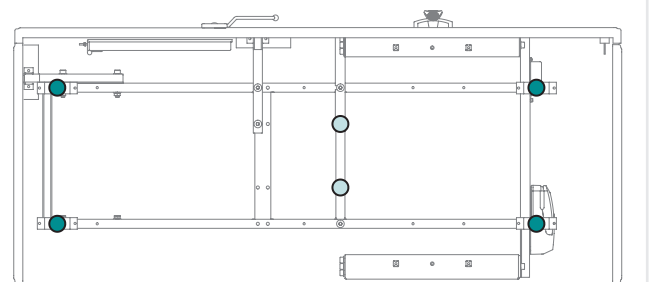


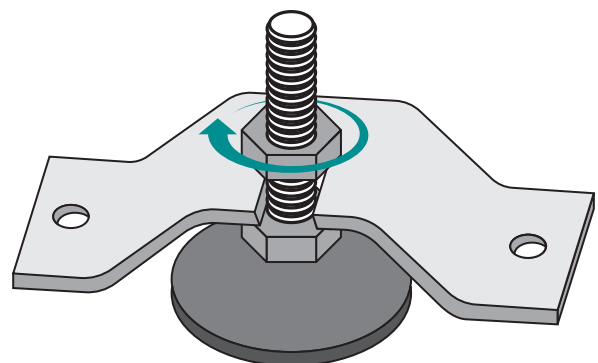
FIG. 5



Wall

- Slotted feet brackets
- Support feet

FIG. 6



# PLUMBING

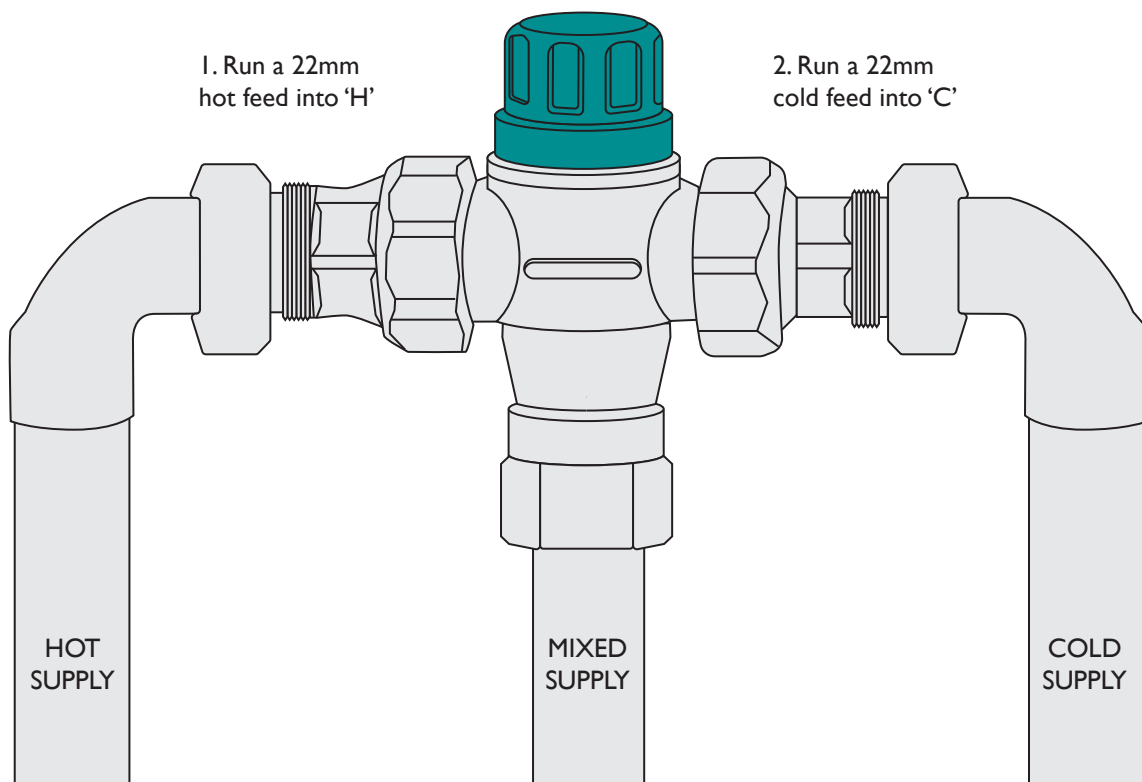


Ensure that the appropriate Water By-Laws are followed.

- 1 The pipework should be fitted with isolators.
- 2 Fit the appropriate plumbing and waste pipework into place allowing, where possible, the steepest and shortest fall-away to assist in draining the bath.
- 3 The drainage is to be via a standard 1½" waste and trap.
- 4 Plumb the taps in, connect and test.
- 5 We strongly recommend installing a TMV thermostatic mixing valve (**FIG. 7**), this ensures a safe water temperature is maintained by mixing hot and cold.
- 6 Ensure the TMV is fitted in an accessible position suitable for easy maintenance and adjustment. 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.
- 7 We recommend that the valve be set to 43°C 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.

**NOTE** Discuss this with the customer before setting the valve to confirm their preference.

**FIG. 7**



# PANELS

- 1 The panels need to be held in place using wall and floor battens, the configuration required depends on the installation of the bath. See **FIG. 8** for corner, alcove and straight wall examples. Batten sizes below:

**Wall battens approx.** 50 × 50 × 400mm

**Front panel battens approx.** 50 × 50 × 1000mm

**End panel battens approx.** 50 × 50 × 500mm

**NOTE** Battens are not supplied with the bath.

- 2 Before the battens and panels are fitted the bath should be filled with water to the overflow to ensure that the maximum downward pressure is exerted on the bath. It is preferable to fit the panels when the bath is full of water to ensure correct trim and fit.

We also suggest a bead of silicone sealant is offered to the lip of the bath now to ensure a watertight finish between the wall and the bath. Leave the water in the bath for as long as possible allowing the silicone to cure (**FIG. 9**).

- 3 Mark out positioning of the panel support battens for the wall.

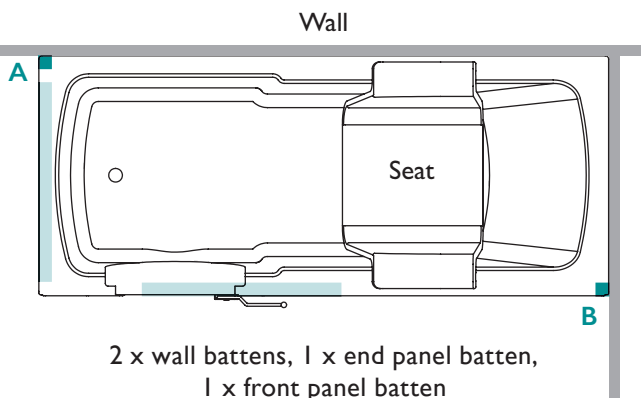
Do this by lining them up directly under the corners marked **(A)** and **(B)** as advised on **FIG. 8**.

Next, drill and fix the front and end floor battens as appropriate. Using a spirit level against the lip of the bath, obtain a vertical angle and mark the floor to allow battens to be fixed to the floor for the panels to fix against.

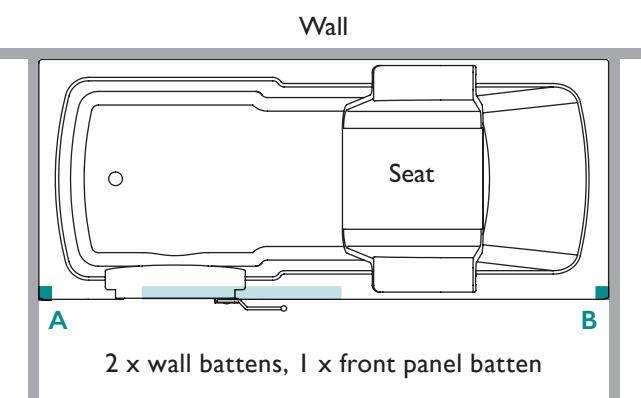
**NOTE** The battens should be fixed 8mm in from the vertical edge.

**FIG. 8**

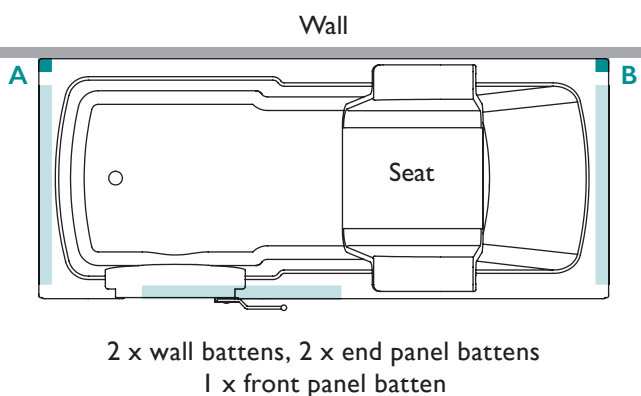
## CORNER



## ALCOVE



## STRAIGHT



### KEY:

■ Vertical wall battens

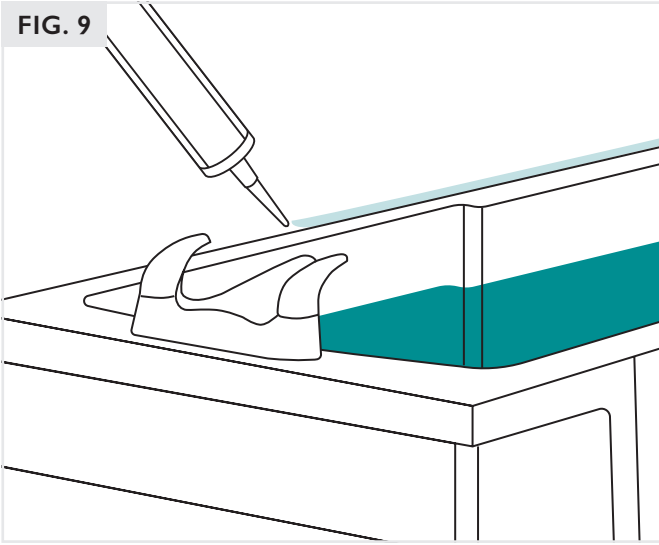
■ Horizontal floor battens



## PANELS

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FIG. 9



- 4 Offer the panels up and trim to suit, panels can also be trimmed to accommodate uneven floor or wall covering.

Push the panels into place using the metal spring clips fitted to the bath to hold them into position. If an end panel is fitted drill to accept two screws to hold the panel against the wall batten.



**DO NOT** silicone the panels into place. These may need to be removed for access in future.

# ELECTRICAL WORK



All electrical work must comply current regulations and should only be carried out by a qualified electrician.

- 1 The electrical supply should be fed via the mains through an RCD to 5 Amp IP65 rated Non-Switched Fused Spur where the **power cable** (supplied with the bath) is hard-wired connected. The control box and battery are located on the end frame of the bath, see **FIG. 10**. A pre-wired lead is supplied and this should be run to the mains supply.
- 2 The mains lead should be left long enough so that the control box can be removed if servicing is required.

**NOTE** We advise the electrical non-switched fuse spur is accessible so the property owner can isolate the unit if required (i.e. not behind panels or boxed in).

## ACCESSORIES / OPTIONS

Where options are fitted (i.e. spa, lights etc.) a 13 Amp IP65 rated non-switched fused spur is also required.

The second spur is required to ensure the bath will continue to operate should there be a fault in the accessory fitted.

## HANDSET

See info on **PAGE 11**.

## EARTH BONDING

Earth bonding and cross bonding is mandatory for this appliance. This should be carried out by a qualified electrician. Earth Bonding and Cross Bonding are to be fitted and tested for continuity in accordance with IEE regulations. Trailing flex should be protected by conduit when IP box is situated outside of the bath panels.

## BATTERY BACK-UP

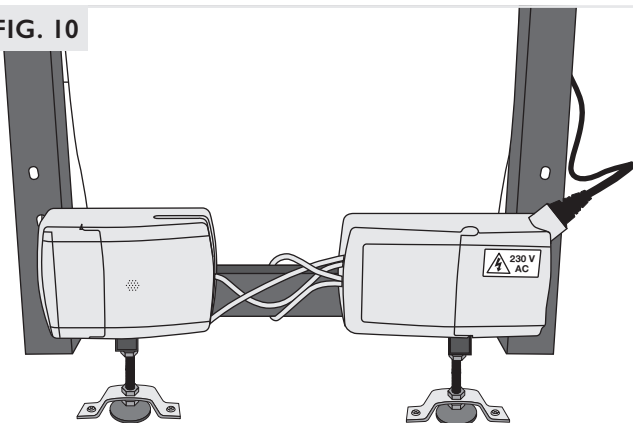
In the event of a power-cut the seat is protected by Battery Back-up.

As the battery back-up begins to lose power, an audible beep will be heard each time the 'seat down' button is pressed.

## SEAT

In battery back-up mode the seat will still operate but at half speed. In this event we strongly recommend that you raise the seat and exit the bath at your earliest convenience.

**FIG. 10**



# HANDSET FITTING

## FITTING THE HANDSET PLUG

- 1 Firstly, locate the handset input port on the bath (**FIG. 11**). The port is already drilled and fitted and can be located in the upper front panel or front shell rim near the seat. The handset plugs in here.
- 2 Now, taking care to ensure the slot on the plug matches up correctly with the plug port tab, gently push into place until properly seated (**FIG. 11**).

## RETAINING CLIP INSTALLATION

- 3 Now that the plug is properly seated, take the retaining clip and place over the plug as shown (**FIG. 12**).

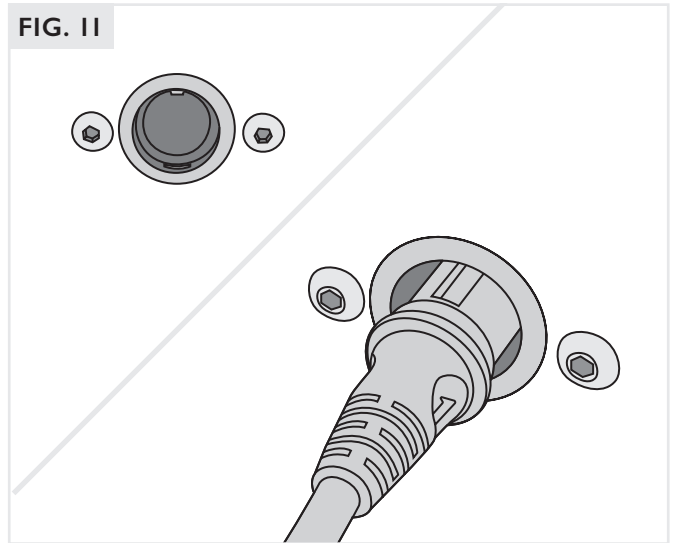
**NOTE** Make sure that the tabs on the retaining clip are facing the bath.

- 4 Compress the retaining clip slightly and press into port hole. Manoeuvre the retaining clip until the tabs on the retaining clip engage with the retaining clip slots in the port (**FIG. 13**).

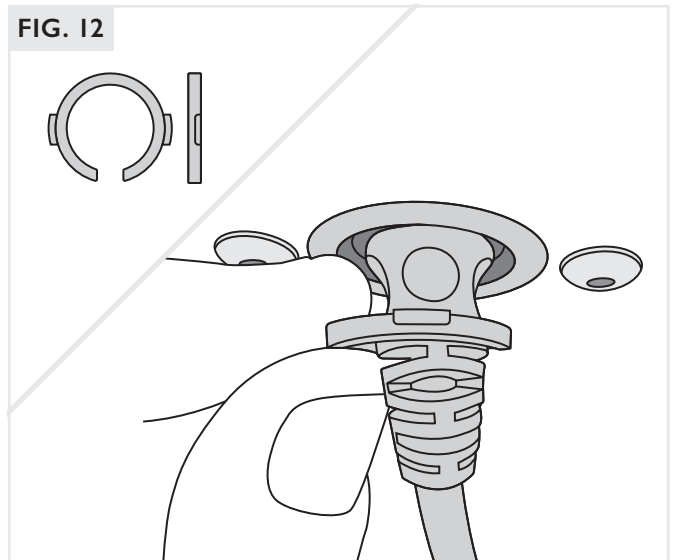
**NOTE** There is a raised barb on one side of the retaining clip, this must face outwards.

- 5 The bath comes complete with a chrome handset bracket, again this will either be located on the rim of the bath shell or in the bath panel. The holes for the bracket will be pre-drilled, use the screws provided to secure it in place.
- 6 When the bath is fully installed, power up the bath and check that all controls are working correctly.

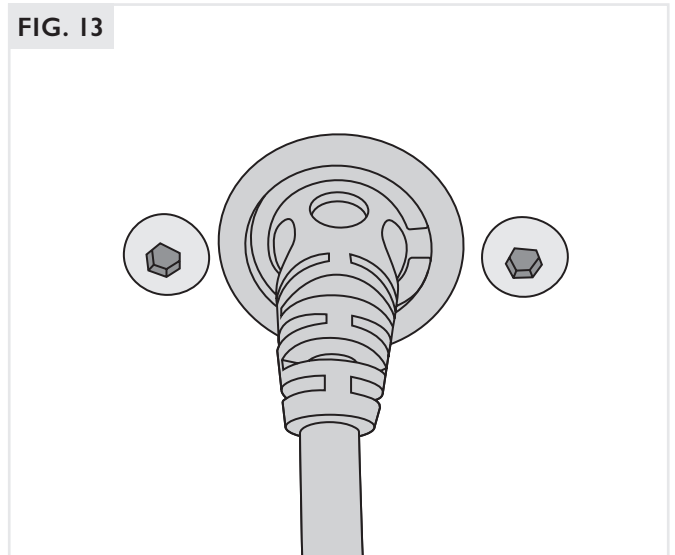
**FIG. 11**



**FIG. 12**



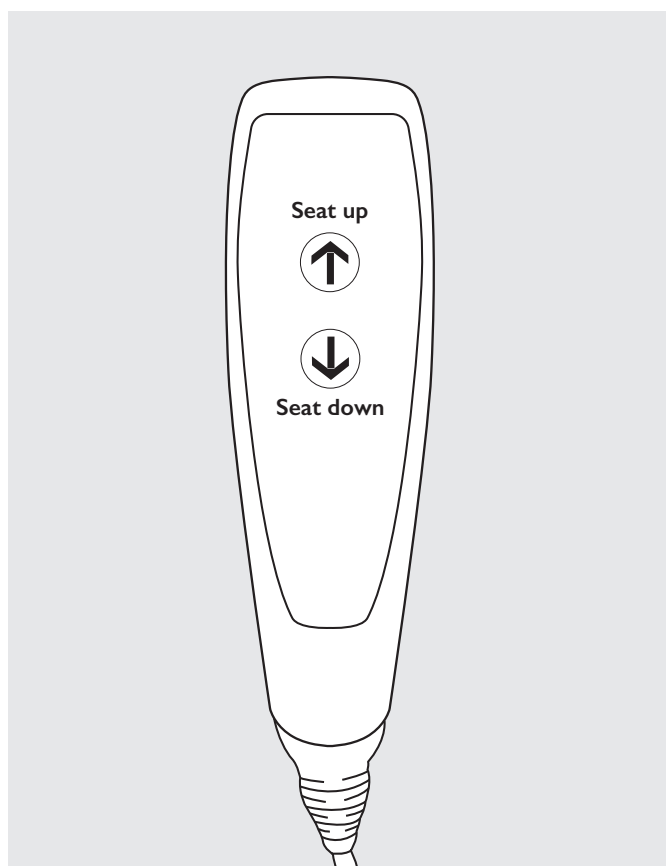
**FIG. 13**



## TESTING

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Power up the bath and test the unit is functioning by operating the **'Seat up'** and **'Seat down'** buttons so that the seat moves ensuring the green power indicator light is visible on the control box.



## CLEANING AND REPAIR

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The installation is now complete. 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. For everyday cleaning guidelines please refer to the user guide.

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'.



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.

## ADDITIONAL INFORMATION

**NOTE** ONLY follow the below changes if the door is leaking.

### DOOR APERTURE ALIGNMENT

1 Level the bath from the highest elevation point on the floor.



If the floor is sloping or bowed in any way, work from the highest elevation point. Use the bath panels as a guide to the height.

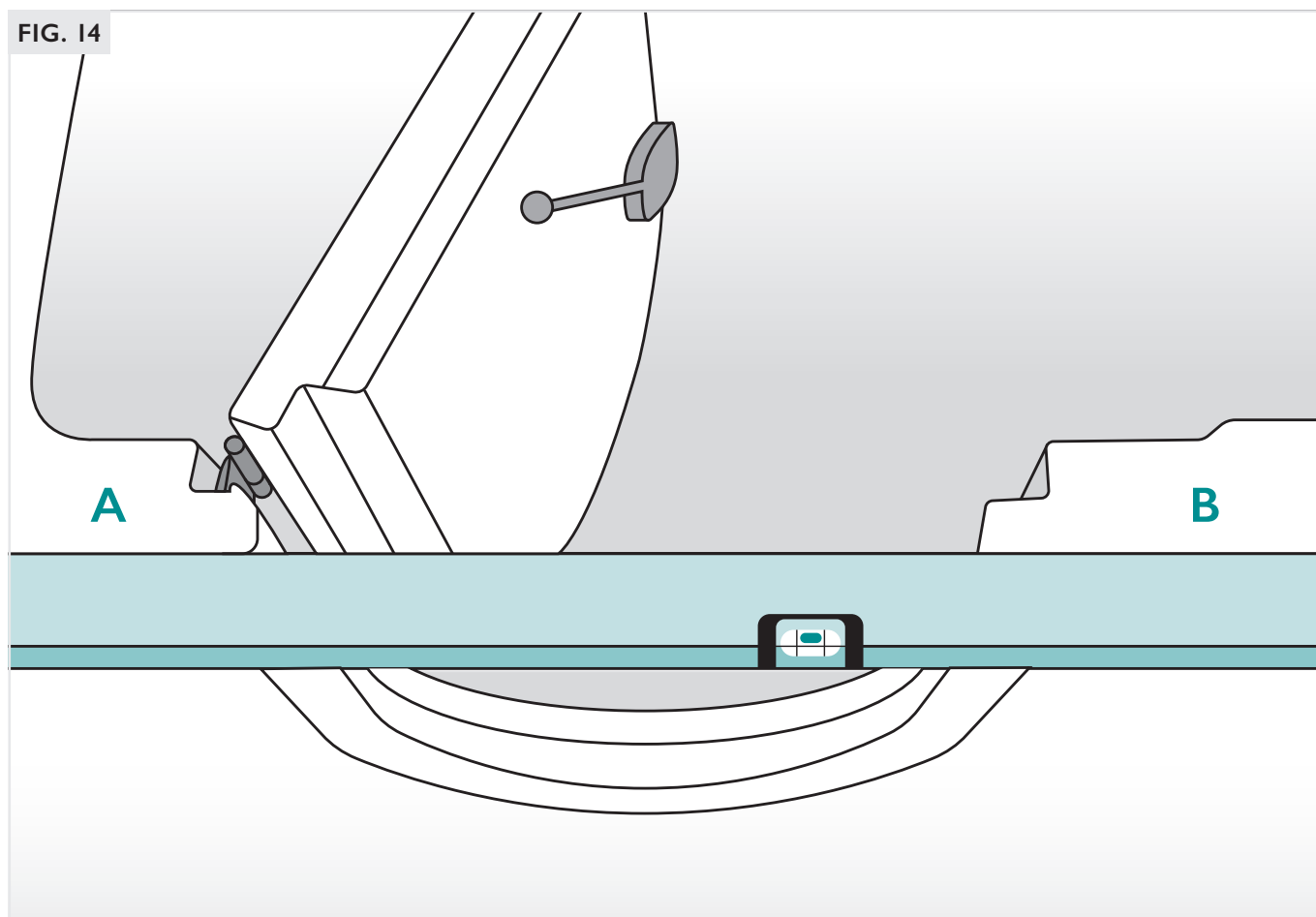
2 Use a spirit level on all rims of the bath to verify the product is completely level. Ensure all bath feet are touching and secured to the ground.

3 Using a straight edge or spirit level and with the door open hold this against the front flange see FIG. 14.

4 Ensure plane **A and B** are level. If not this may lead to leaking. Use the bath foot under the door lock to make fine adjustments until **A and B** are in-line.

5 When this is correctly aligned refill the bath and check.

FIG. 14



# Gainsborough Healthcare Group

*Life enhancing bathing*



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