GEORGIA
GEORGIA VISION
CHESTER

INSTALLATION MANUAL

*Georgia model shown above

MADE IN THE UK

BioCote

UK CA CE

JUMP STRAIGHT TO OUR QUICK VIDEO GUIDE TO FITTING A NON-POWERED WALK-IN BATH

Access
SAFER BATHING THROUGH DESIGN

TABLE OF CONTENTS

INTRODUCTION

CAUTION: It is essential that the bath is installed exactly as specified in this manual. Manufacturer's warranty will be void if this is not the case and the bath and any additional equipment could be damaged.

PREFACE

Additional reading and related information can be obtained upon request, including Circuit Diagrams, Component Parts Lists, Descriptions, Calibration Instructions, and other information that will assist service personnel.

If an alternative format of this or any other documentation is required, please contact your authorised representative or **Gainsborough Healthcare Group Ltd**. on 01527 400022.

INTENDED USE

This equipment is intended for users who have limited mobility and struggle to safely use a traditional bath, but can still bathe independently.

The bath is designed to be used for general hygiene purposes as well as relaxation. It must not be used for any other purpose.

RECYCLING

The following materials are used in the packaging of the bath for transportation purposes. Separate the materials and dispose of them at a recycling centre in line with your local authority's recommendations.

- Wood
- Cardboard
- Plastics

TRANSPORT AND STORAGE

When transporting or storing the bath, ensure that the bath itself and any additional equipment is securely fastened to a sturdy transportation board or pallet. Failure to do so could damage the items and invalidate the warranty.

FUTURE PRODUCT DEVELOPMENT

Gainsborough Healthcare Group Ltd operates a policy of continuous product development and reserves the right to change specifications and designs without prior notice.

SPECIFICATIONS AND DIMENSIONS

SPECIFICATIONS

Water Capacity:	246 ltr
Approximate Bath weight (empty):	44 kg
Approximate Bath weight (filled):	290 kg
Water Supply:	Unblended hot and cold water at 1 bar min., 5 bar max. pressure
Hot Water Temperature:	55°C to 65°C
Cold Water Temperature:	5°C to 20°C
Flow Rate:	10 litres per minute recommended
Ambient temperature range:	5°C to 50°C
Relative humidity range:	10-80%
Atmospheric pressure range:	50 kPa to 106 kPa
The Georgia and Georgia Vision models include BioCote® technology which has been proven to reduce bacteria and even some viruses, including influenza A H1N1, E.coli, MRSA and Pseudomonas.	
For baths with accessories installed:	
Power Supply:	Mains 230V to be supplied via 30mA RCD (Type A or F)
Fuse:	13 Amp with suitably IP rated Double Pole Switched Fused Spur
'A' weighted sound emission with air spa system (option):	<75 dB(A)

DIMENSIONS

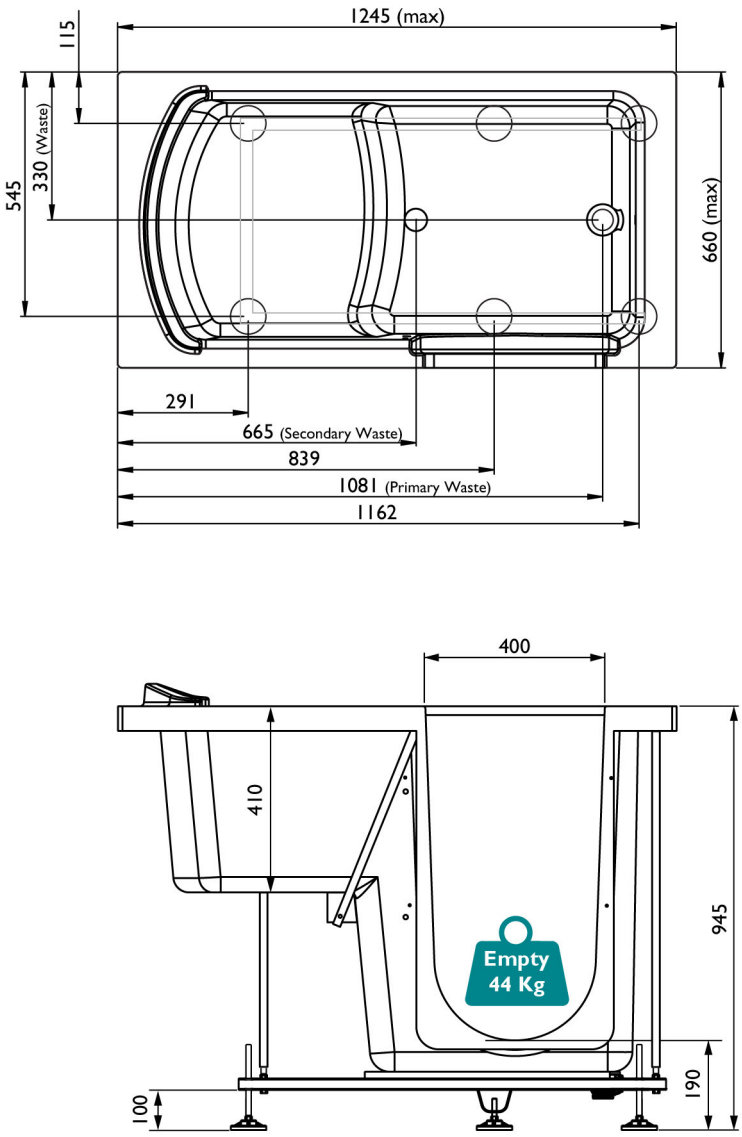

Fig 0091

In Fig 0091 the dimensions are in millimetres (mm). Right-handed example is shown (handing of a bath is indicated by the exit point of the bath when in a seated position).

SAFETY INFORMATION

Warnings, Cautions and Notes used throughout this manual have the following meanings:

WARNINGS: Warnings used throughout this manual **MUST** be followed carefully. Failure to do so could result in serious bodily injury or could be fatal.

CAUTIONS: Cautions used throughout this manual **MUST** be observed to avoid damage to your bath or additional optional equipment.

NOTES: Notes used throughout this manual contain important information and useful tips on the operation of this product.

INSTALLATION

Before installation you must read the pre-installation requirements. Providing **ALL** the criteria are met, continue with the installation.

The following Warnings, Cautions and Notes apply throughout the installation. Additional specific Warnings, Cautions and Notes relevant to that particular step or procedure are indicated where necessary.

WARNING RISK OF ELECTRIC SHOCK: Ensure the electric supply is installed by a qualified electrician using current legislation. The protective earth terminal of the equipment must only be connected to a supply main with protective earth using a 30mA Residual Current Device (RCD) Type A or F.

WARNING RISK OF PERSONAL INJURY: Poor manual handling technique or lack of assistance could cause personal injury. The bath is heavy. Use lifting equipment or a minimum of two persons when moving the bath.

CAUTION: The bath and any additional equipment could become damaged or scratched when using sharp implements to remove packaging. **DO NOT** use sharp implements to remove the packaging materials.

CAUTION: Bath panels should be handled and stored carefully to ensure they do not become distorted or damaged.

NOTE: It is the installer's responsibility to comply with the latest local authority building regulations and planning permissions prior to and during installation, which includes plumbing, electrical, health and safety, and lifting regulations.

Follow **ALL** steps sequentially:

1. Remove and separate all packing materials from the bath for disposal at a recycling centre in line with your local authority's recommendations.

2. Check that all items are present. Inspect the bath, bath panels and any accessories/optional equipment to ensure all are intact.

3. Ensure the area where installation is intended is clean, free of debris, flat, level and structurally sound.

4. It is imperative that the bath remains level over its lifetime to prevent door leakage, so it is strongly recommended that any existing flexible floor boards are replaced. Any material used should remain rigid under the weight of a filled bath: marine ply, for example. It should not be possible for the chosen material to warp over time in a wet bathroom environment. It should also be noted that carpet is not a suitable surface on which to install.

BATHROOM CONFIGURATIONS

CAUTION: To avoid the bath becoming distorted/pinched, ensure that a 5mm gap is maintained between the bath perimeter and **ANY** wall surface. There is particular risk of this occurring with the alcove configuration, shown below.

There are two possible configurations. Please refer to Fig 0356 to verify which configuration is relevant to your installation.

- Corner configuration; one front panel and one end panel are required.
- Alcove configuration; one front panel is required

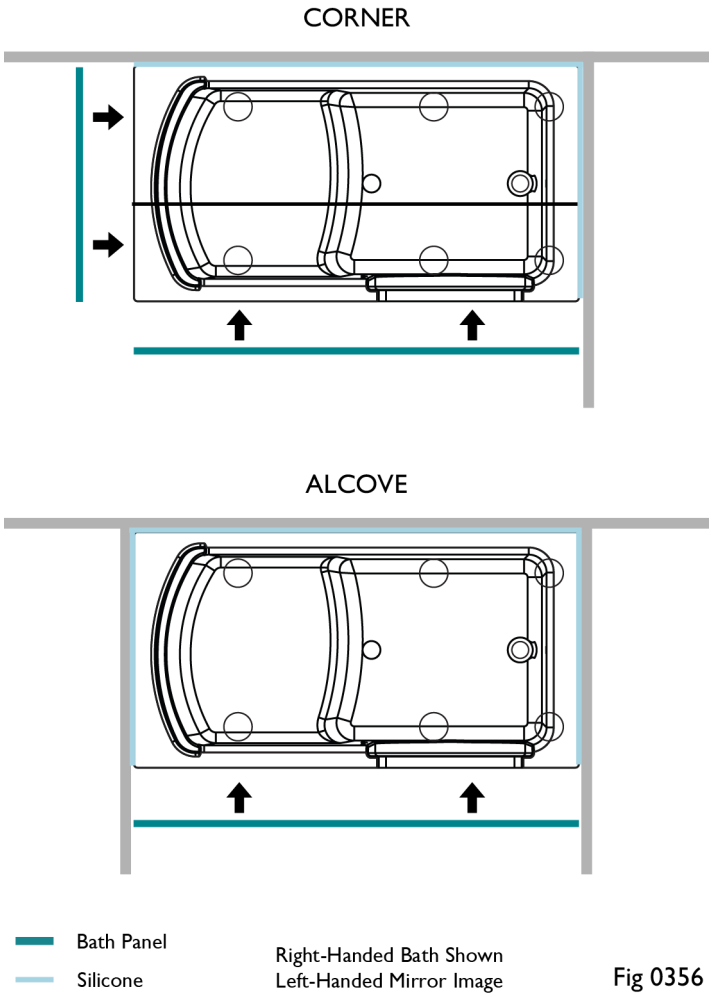

Fig 0356

BATH FITTING

CAUTION: Fitting the bath could cause irreparable damage to **ANY** under floor services in the area under the bath + 100 mm. Ensure **NO** under floor services exist in that area. If in any doubt please call your authorised representative or **Gainsborough Healthcare Group Ltd.** on 01527 400022 for clarification.

1. Referring to Fig 0355, install the small feet into the brackets in the centre of the frame.

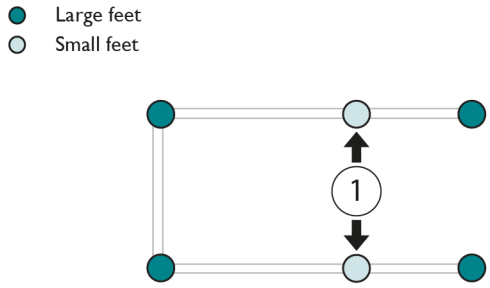

Fig 0355

2. Use one M10 washer, spring washer and nut from the Installation Kit per foot.

3. Put the bath into position but **DO NOT FIX IN PLACE YET**.

4. Ensure that there is no pipework or underfloor heating in the floor where the bath feet need to be screwed in and any services that would impact where the waste trap(s) need to be located. Please see the above Caution.

5. Mark through the waste hole(s) onto the floor and mark the floor/walls to indicate the appropriate area for the plumbing feeds to enter the bath area.

6. Referring to Fig 0357, mark the wall bracket placement by taking a bracket from the Installation Kit and putting it against the wall approximately 50 mm in from each corner of the bath top edge. It should fit tightly against the underside of the bath edge.

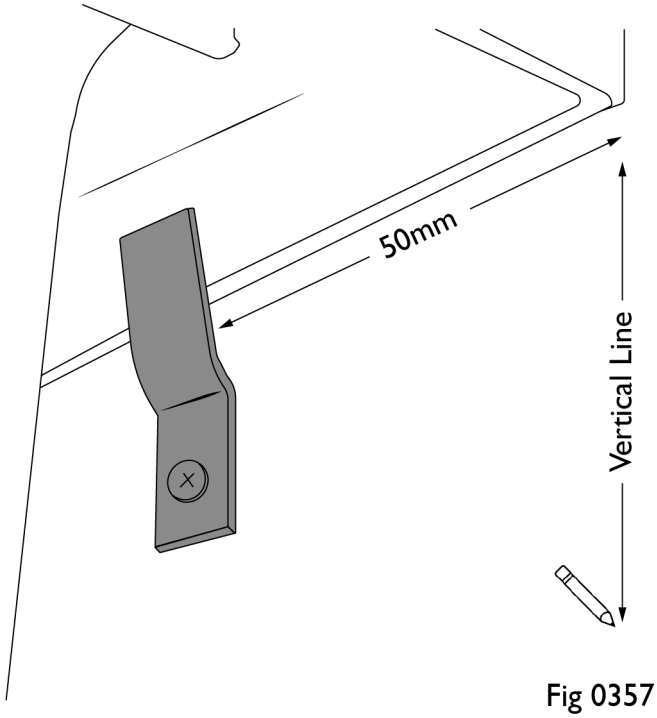

Fig 0357

7. Using a spirit level, draw vertical lines directly under the two corners of the bath that touch a wall. These will be used to position the wooden battens that support the bath panels (see *Panels, page 14*).

8. Remove bath from the area.

9. Screw the wall brackets loosely into place, to be tightened once the bath is back in position.

10. Now fit the waste overflow and the clicker waste (or plug and chain option) to the bath.

11. If the double drain option has been chosen, the U-trap with the blocked overflow hole should be installed in the drain nearest the bath seat.

12. Drill holes in the bath and fit the tap if this has not been factory fitted.

13. Plumb in the TMV, preferably on the door side of the bath where it will be accessible for maintenance.

NOTE: With the double drain option, both waste pipes need to be plumbed separately to increase drainage flow from the bath.
If they are not plumbed separately, flow will not be increased.

14. Put the bath back in its final position on the wall brackets and secure the wall brackets firmly.

15. Using a spirit level in all directions, ensure the bath is level.

16. If the bath is not level, the four corner feet should be adjusted as shown in Fig 0392.

17. Note that the bath frame to floor measurement should be 100 mm (see *Dimensions, page 5*) to achieve an optimum fit for the bath panel(s).

18. Keeping the foot adjuster (a) in place, adjust the nuts (b) either side of the bath frame to raise or lower the frame on the foot.

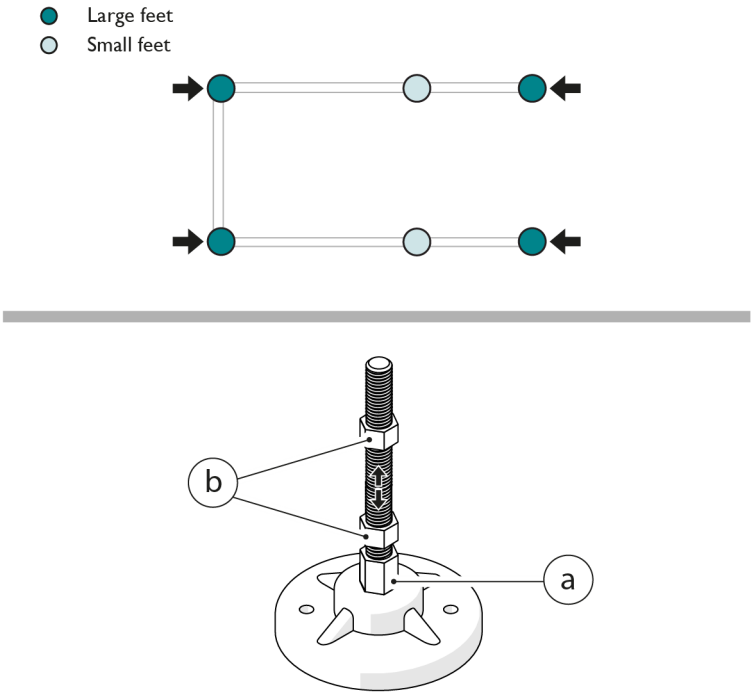

Fig 0392

19. Once the bath is level, give the foot adjuster an additional half turn to ensure the foot is taking the weight of the bath.

20. Tighten the nuts either side of the bath frame into position against the framework.

21. Once level in all directions, secure all the feet to the floor using the holes indicated in Fig 0386. Fixings are not supplied in the Installation Kit, but for timber floors we would suggest the use of a No. 8 x 32mm pozi dome head screw (a) and a steel washer (b) as shown in Fig 0386. For concrete floors, an M6 x 70 coach screw (d) and a steel washer (b) along with a Rawl plug (c) would be a suitable fixing.

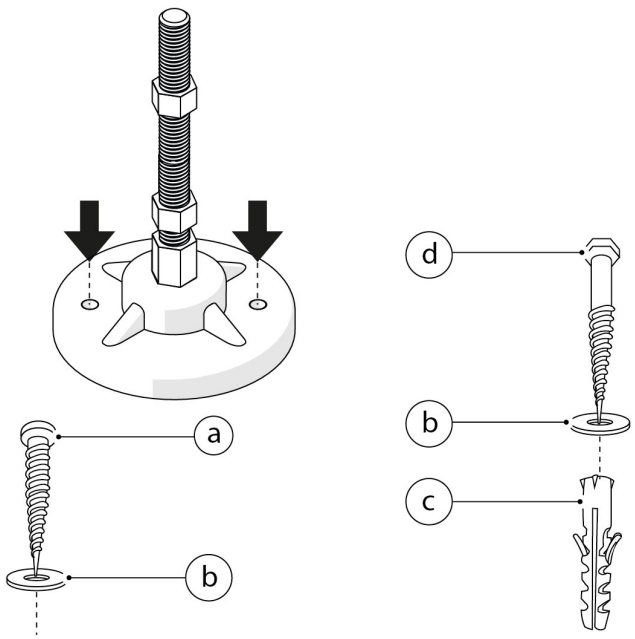

Fig 0386

22. Once the feet are all fixed, use a spirit level again in all directions to ensure the bath is still level.

PLUMBING

WARNING: Failure to thoroughly cleanse pipework at the pre-installation stage could allow debris to enter the TMVs or other components, causing damage to the equipment and restricting bath operation.
Gainsborough Healthcare Group Ltd do not accept responsibility for bath components being damaged as a result of insufficiently flushed pipework.

CAUTION: UNDER NO CIRCUMSTANCES change or move **ANY** of the pre installed pipework under the bath as it may become irreparably damaged.

NOTE: See the Pre-Installation Manual plumbing diagrams for details on your precise configuration.

Pipework should have been flushed during pre-installation, but if it must be done during or after bath installation, it is essential that the bath is disconnected from the live pipework before performing this operation to prevent debris from entering the TMVs and other components.

There are three possible plumbing options that could have been followed from the pre-install guidance; Side Feed, End Feed or Through Floor.

There will be three outlets for connection; cold, waste and hot. Please refer to the Pre-Installation Manual for further details.

1. Extend pre-install plumbing if necessary to allow connection with the bath plumbing.
2. All pipework should be routed to ensure that no kinking occurs and then secured appropriately.
3. Connect the hot water supply mains (identified with a red cable tie if factory fitted) to the hot tap pipework using a suitable 22 mm connector.
4. Connect the cold water supply mains (identified with a blue cable tie if factory fitted) to the cold tap pipework using a suitable 22 mm connector.
5. Connect the waste supply from the bath to the waste outlet using a suitable 40 mm Straight Connector. Ensure adequate fall in line with current building regulations.
6. If a double drain is being installed, two 40 mm waste pipes should be installed and independently connected to the larger waste pipe downstream.
7. Slowly turn the water isolation valves back on whilst checking for any leaks.

ELECTRICS

WARNING RISK OF ELECTRIC SHOCK: Ensure the electric supply is installed by a qualified electrician using current legislation. The protective earth terminal of the equipment must only be connected to a supply main with protective earth using a 30mA Residual Current Device (RCD) Type A or F.

WARNING: Additional supplementary equipotential bonding, in line with electrical installation regulations BS 7671, must be considered whilst installing the bath.

NOTE: For further information on electrical requirements please refer to the Pre-Installation Manual.

Where accessories are fitted, the electrical supply should be fed via the mains through a 13A double pole switched fused spur (SFS), where the mains cable is connected. The SFS should again be located in an accessible position, appropriate IP rated for that location and clearly labelled as to its function, e.g. BATH ACCESSORIES - DO NOT SWITCH OFF.

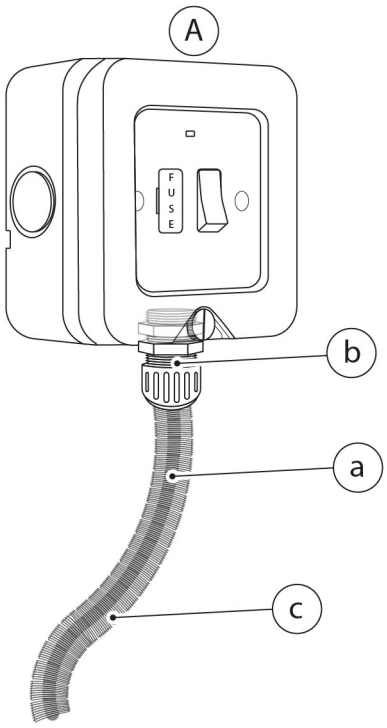

Fig 0362

The SFS should be switched off prior to bath installation with fuse removed.

1. Locate the SFS (A) as illustrated in Fig 0362.

2. The 1.5 mm, 3 core flex (a) and conduit (c) exiting the SFS via a cable gland (b) should have been left accessible with a cable length reaching to the perimeter of the intended bath installation plus a minimum of 1.5 m. If conduit has not been fitted, it needs to be fitted at this point.

3. Route the 1.5 mm, 3 core flex and the conduit along the same path as the plumbing if possible.

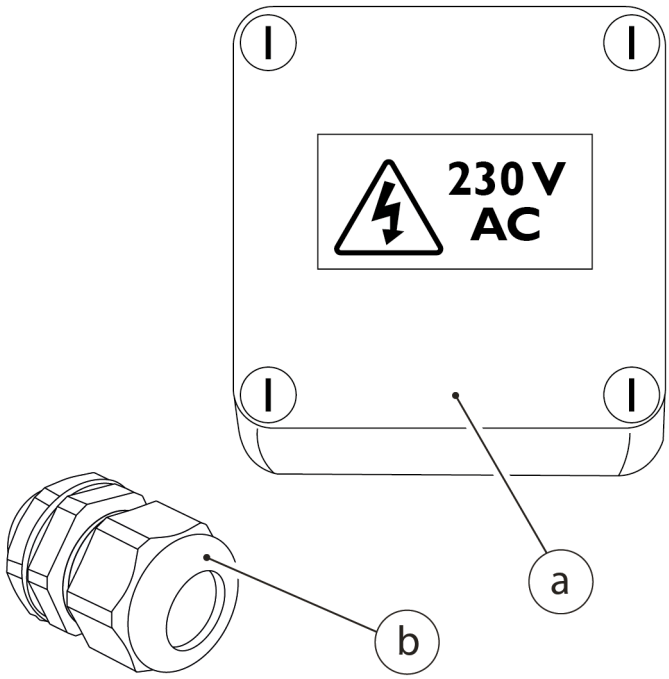

Fig 0377

4. Route the flex into the junction box (a) via a cable gland (b), shown in Fig 0377.

5. Connect the accessories' power cables and the 3 core flex inside the junction box using suitable connectors.

6. A second junction box may be provided in the installation kit along with the necessary cable glands to accommodate other accessories, depending on the options chosen:

- Air Spa
- Air Spa and Chromotherapy Lighting
- Chromotherapy Lighting
- Sound System
- Heated Seat

PANELS

NOTE: Battens are not supplied with the bath and must be sourced locally. Tanalised timber is recommended.

NOTE: To ensure a good fit, the bath should be filled with water to the overflow before fitting the panel(s).

To support the bath panels a combination of vertical and horizontal floor battens must be installed.

1. Fill the bath with water to the overflow.
2. Apply silicone to the top edge of the bath where it comes into contact with the wall (see *Bathroom Configurations, page 8*, Fig 0356).
3. The silicone should be allowed to fully cure before releasing the water. Meanwhile, continue with the next steps.
4. Check door aperture alignment (see *Door Aperture Alignment, page 16*) and alter if necessary.
5. Refer to Fig 0094 to determine what battens are required for your configuration.
6. Cut the required battens to the following approximate lengths:

Vertical Wall Battens:

- 25 x 25 x 450mm.

Horizontal Floor Battens:

- 25 x 25 x 550mm.

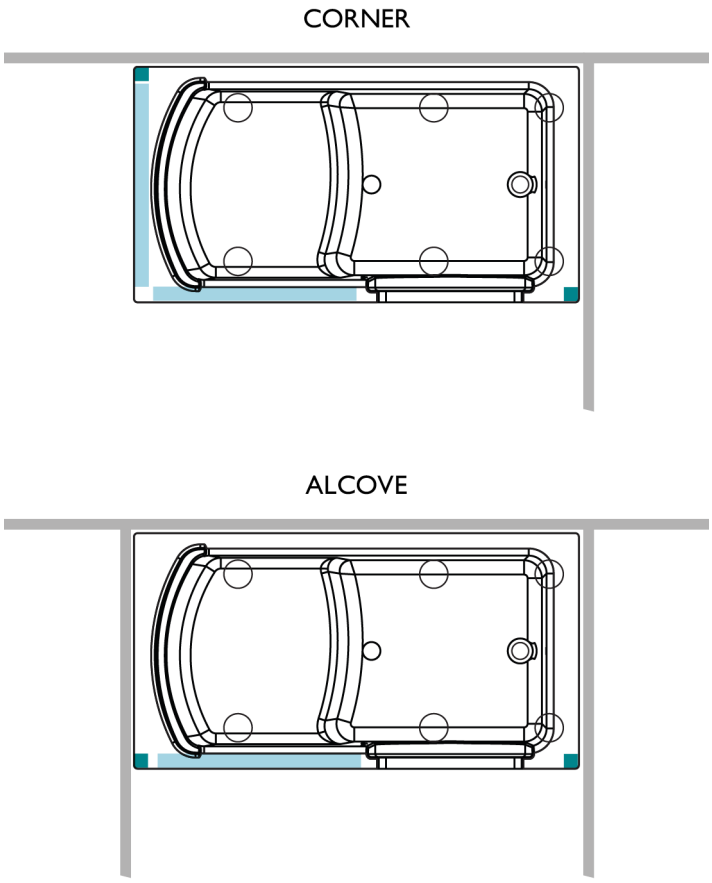

Fig 0094

7. Using the lines marked out earlier on the walls (see *Bath Fitting, page 9*), drill and fix the vertical wall battens.
8. Offer the front panel into place and mark out the positioning of the horizontal floor batten. This should be vertically in line with the outside edge of the bath as shown in Fig 0094.
9. If installing a corner configuration, offer the end panel into place and repeat the previous step, allowing for the return edges on the panels.
10. Drill and fix the horizontal floor batten(s).

11. Line up the front panel against the bath and ensure that it fits to the floor. If some adjustment is required, use the corner feet to do so, making sure to use a spirit level in all directions afterwards to check that the bath is level.

12. Drill three equally spaced holes in the panel along both the vertical and horizontal battens and use screws with a washer and cover caps to attach the panel to the battens.

13. For a corner configuration, repeat step 11 for the end panel and additionally, secure the side panel to the door panel with three screws, washers and cover caps.

14. Finally, once the silicone has cured, drain the water and clean the bath thoroughly inside and out.

NOTE: DO NOT use silicone to finish the bath panels as it should be possible to remove them easily for servicing purposes.

NOTE: DO NOT push too hard when attaching the bath panel as this may cause the clips to become detached from the bath shell.

DOOR APERTURE ALIGNMENT

CAUTION: DO NOT under any circumstances slacken or undo any of the door hinge nuts or screws, as these are factory pre-set. Doing so could cause the bath to leak water, which could cause irreparable damage to the bathroom. If the door seems misaligned, adjust the bath feet (see *Door Aperture Alignment, page 16*).

1. With a long spirit level across the door aperture, check that it is level.

If adjustment is required proceed with the next steps.

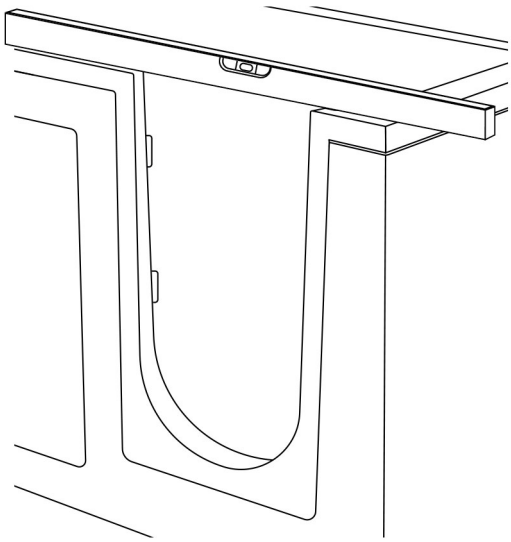

Fig 0090

2. Referring to Fig 0093, locate the two short feet (a) under the bath.

3. Loosen lock nut (b).

4. Adjust the short foot (c) nearest the front panel by turning the foot adjuster (d) until the door aperture is level and the foot is taking the weight of the bath. The other foot may also need to be adjusted to achieve proper door alignment.

5. Tighten back into position against the bath bracket (e) with the lock nuts.

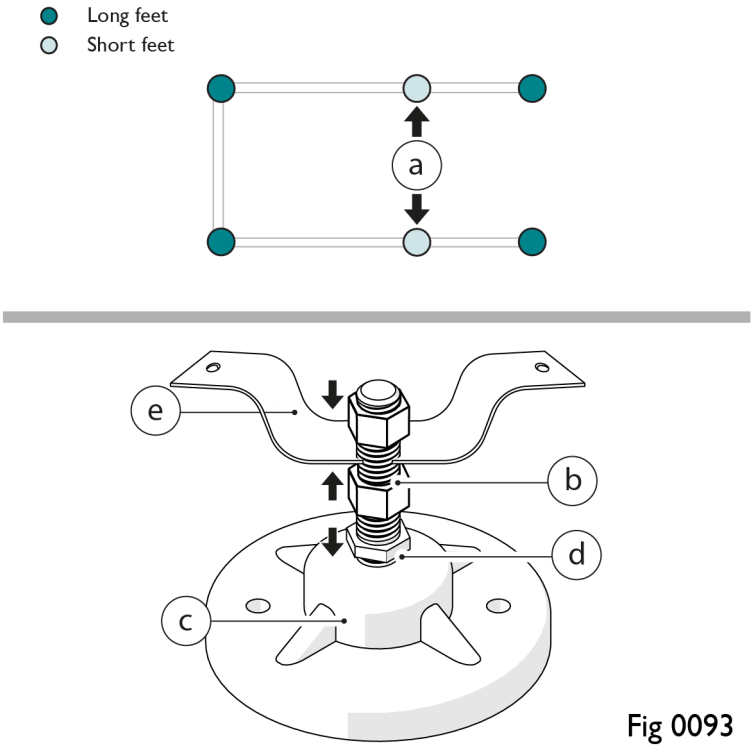

Fig 0093

TESTING AND COMMISSIONING

NOTE: For functionality and operational information during Testing and Commissioning refer to the User Manual.

All bath functions must be tested thoroughly before handing over to the user to ensure everything is working as intended.

1. Ensure that the door closes with ease and the lock engages securely.

2. Start filling the bath and whilst doing so, check the door and the hot and cold water connections for any signs of water leaks.

3. If the bath has a TMV fitted, turn on the hot tap, to test that the temperature of the hot water is constant and doesn't exceed 43°C with a calibrated thermometer. If the temperature is not maintained, the TMV will need to be adjusted.

4. To ensure the TMV is working correctly, now shut off the cold feed to the bath. The hot water should stop automatically when it reaches 43°C. Once tested successfully, turn the cold feed back on.

5. Allow the bath to fill just above the overflow. Inspect under the bath to ensure the overflow doesn't leak and ensure that the excess water drains out through the overflow. Leave the bath full.

6. Inspect under the bath for any signs of water leaks.

7. Operate (where fitted) the following optional equipment, to ensure they function as described in the relevant section of the Accessories User Manual:

- Air Spa
- Air Spa and Chromotherapy Lighting
- Chromotherapy Lighting
- Sound System
- Heated Seat

8. With the bath still full, carry out a further visual inspection around and under the bath and all water connections for any sign of leaks.

HANDOVER: Ensure that the bath is clean and free of any debris, then demonstrate all the bath functions to the customer, highlighting any safety features. Leave them with a copy of the bath User Manual and also the Accessories User Manual, where applicable.

TROUBLESHOOTING

The following is a basic troubleshooting guide in the event of failure, it is not intended as a comprehensive diagnostic routine. If the bath or equipment fail to operate as intended following these basic checks, please contact your authorised representative or Access Walk-in Baths on 01527 400026.

PROBLEM	POSSIBLE CAUSE
Bath Leaking Water	• Turn water supply to the bath off to avoid water damage • Visually inspect for bath damage • Inspect hot, cold and waste pipework • Verify that the floor is non-flexing and level • Check door aperture alignment (see *Door Aperture Alignment, page 16*) • Check that the bath has not become pinched between walls
Bath Uneven	• Check bath is level - adjust feet as appropriate
Air Spa Does Not Operate	• Is the bath filled sufficiently? (See Accessories User Manual) • Ensure mains power is supplied and switched on • Check fuse at the switched fused spur
Chromotherapy Lighting Does Not Operate	• Ensure mains power is supplied and switched on • Check fuse at the switched fused spur
Air Spa And Chromotherapy Lighting Does Not Operate	• Is the bath filled sufficiently? (See Accessories User Manual) • Ensure mains power is supplied and switched on • Check fuse at the switched fused spur
Sound System Does Not Operate	• Ensure mains power is supplied and switched on • Check fuse at the switched fused spur • Have you paired you device with the sound system? Pair your device and retry. (See Accessories User Manual)
Noise Heard After The Spa Is Switched Off	• This is normal operation of the Automatic Purge System. (See Accessories User Manual)

Gainsborough Healthcare Group

Life enhancing bathing

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