

Shakerley Bath With Powered Seat Installation Guide

The Shakerley is supplied with the following:

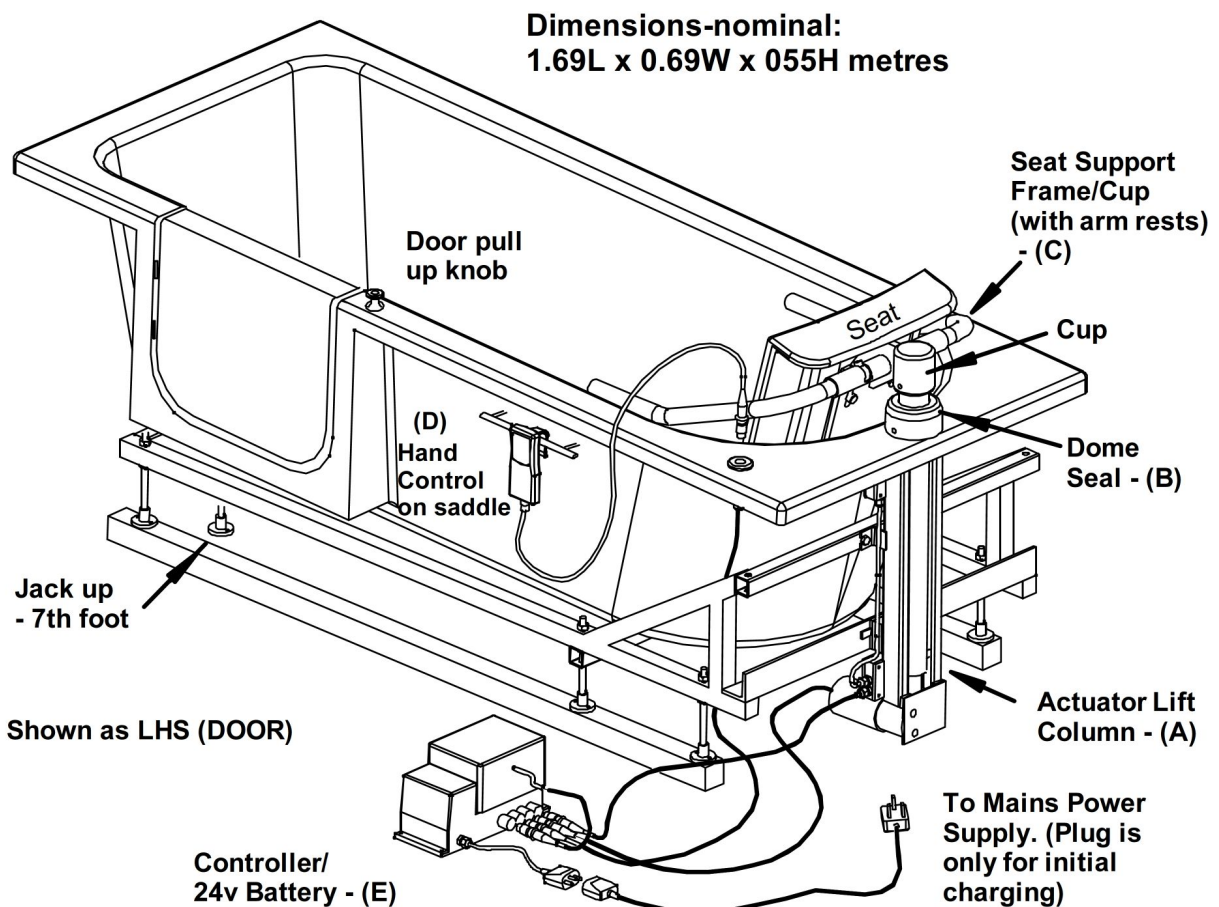
Bath LH or RH with fitted framework and battens
Bath Seat
Front Panel
End Panel – optional
2 x Pop-Up wastes

Special Fixing Tools Required:

Hexagonal Alan Keys
Size 4mmAF (for seat cup & dome)
Size 8mmAF (seat frame)
Ring spanner 17mm (for M10 bolt)
Ring spanner 13mm (for M8 bolt)

Actuator Lift Components

- (A) - Actuator Lift Column with 2 x M8 & 1 x M10 Bolts and washers
- (B) - Flange Dome Seal
- (C) - Seat Support Frame with 4 x 35mm cap screws and 8 washers
- (D) - Hand Control and Saddle
- (E) - Controller Box (with integral charger & battery)



General Notes

The Shakerley bath is a standard configured tub with the inclusion of an inward opening door and an Actuator powered seat (rising & lowering only). The actuator lift column can be fitted before or after the bath tub installation, which ever is easier. This is an on site decision.

- 1) The bath is supplied with its 30mm square metal sub frame structure fitted together with 7 supporting feet on 2" x 2" timber batten runs.
- 2) The height of the bath including the fitted battens has been adjusted to nominally 550mm. Keep the door threshold/step at its lowest height for user comfort. Consequently shallow bath traps should be fitted. **DO NOT INCREASE BATH HEIGHT.**
- 3) The actuator column is fitted simply on to its integral supporting tower structure on the bath sub frame with 3 positioned bolts & an angled bracket. The fasteners are prefixed at the factory such that no positioning or levelling is required on installation.

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CONTOUR
built-in independence

- 4) Bath is filled when user has entered and shut the door, consequently the taps must be thermostatically controlled and possibly pumps assisted for fast fill.
- 5) Twin Pop Up wastes are provided to facilitate for faster drainage and safety should one fail.

THE SHAKERLEY BATH & SEAT ARE MANUFACTURED IN GLASS FIBER. WHEN HANDLING PROCEED WITH CARE AND CAUTION. IN PARTICULAR THE EDGES ARE MORE BRITTLE THAN IN ACRYLIC BATHS.

THE SEAT SUPPORT FRAME HAS A SPECIAL PLASTIC COATED SURFACE. HANDLE WITH CARE TO AVOID UNDUE KNOCKS OR SCRATCHES.

BATH TUB INSTALLATION GUIDE

*** IMPORTANT** - IF THE BATH IS FITTED IN AN 'ALCOVE' (SPACE BETWEEN WALLS OR FURNITURE) ENSURE A LOOSE FIT. THE BATH MUST NOT BE FORCED TIGHT INTO POSITION AS THIS CAN DISTORT THE DOORWAY AFFECTING THE INTEGRITY OF THE SEAL.

- 1) Fit the wall fixing brackets to bath timber frames to allow the bath to be secured to walls that abut the bath.
- 2) Drill and affix Taps.
- 3) Fit wastes, overflow and shallow waste traps supplied.
- 4) Place bath into position. ENSURE FLOOR AREA WHERE CYLINDER IS LOCATED IS FLAT AND AT THE SAME LEVEL AS UNDERSIDE OF WOOD BATTENS. Consideration should be given in areas where bath battens run parallel to wood floorboards, as bath load should be spread over floor joists.
- 5) Level bath in all planes.
- 6) Mark wall fixings and plumbing runs.
- 7) Remove bath, drill wall fixings and run plumbing into position.

ACTUATOR LIFT CAN BE FITTED NOW OR AFTER THE BATH IS FIXED INTO POSITION. THIS IS AN ON SITE POSITION.

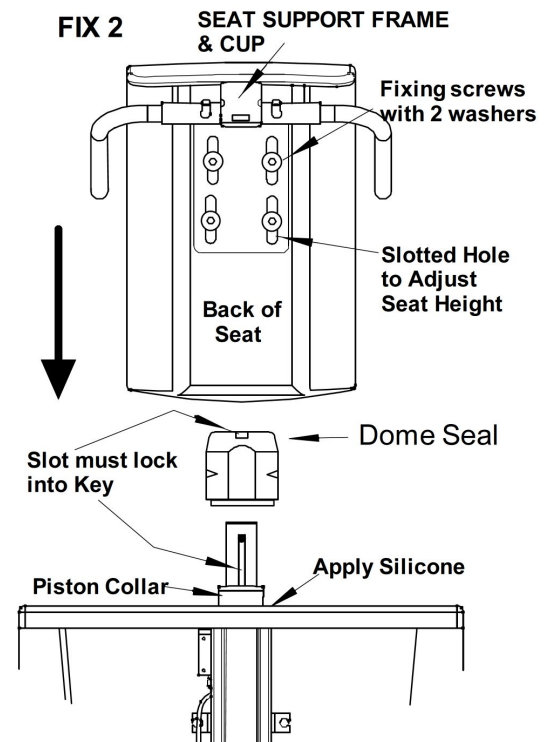
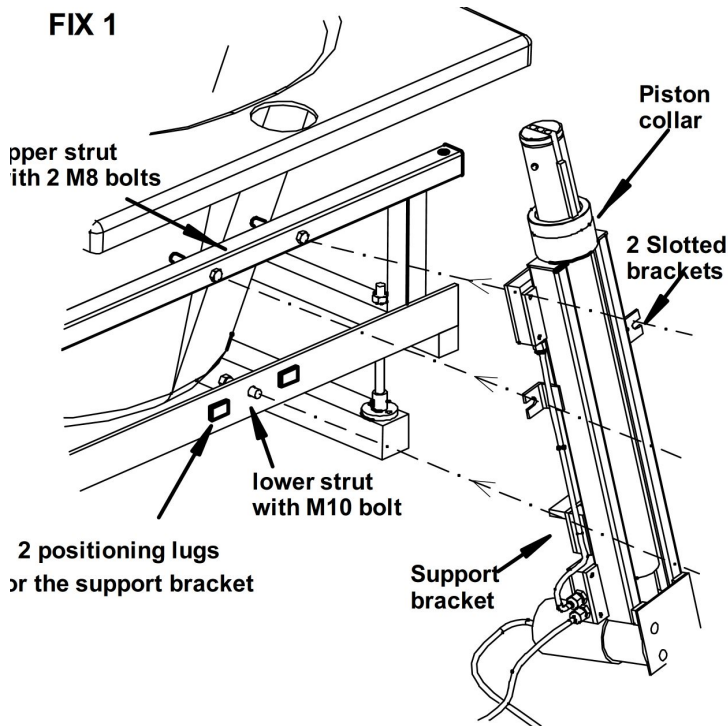
- 8) Re-position bath and affix to wall and to floor. Ensure bath foot under the door entrance is cranked up to support the doorway.
- 9) SEE ACTUATOR LIFT INSTALLATION
- 10) SEE ACTUATOR LIFT COMMISSIONING
- 11) Connect plumbing. The wastes may be run independently or joined by use of a tee, inserted after the shallow traps. Refer to fitting guides for the Thermostatic valve and Pump if supplied.
- 12) Test plumbing for leaks and pump operation.
- 13) Fill bath to maximum and leave for about 30 minutes to test door seal.
- 14) Whilst bath seal is tested position and trim to size front and side panels if required (front panel lips into top rim and is pre-cut to bath height).
AFFIX HAND CONTROL SADDLE TO TOP OF FRONT PANEL (through pre-drilled holes).
- 15) End panel will require batten support along floor and on the vertical corner sides. Mark bottom of panels onto floor base and on the vertical and fit accordingly.
- 16) Refit front and side panels. Drill through bottom into batten. Affix panels using screws and caps. Do not use Silicone sealant as this prevents service access.
- 17) Drain bath then unlock the door and Leave it Open.
- 18) Refer to the 'USER GUIDE' and instruct customer on the use of Bath And Seat Lift. leave copy of the 'User Guide' with customer.

**** ADVISE CUSTOMER TO ALWAYS LEAVE DOOR IN AN OPEN/UNLOCKED POSITION WHEN NOT IN USE TO PREVENT WEAR OUT OF THE SEAL.**

**** IMPORTANT – FRONT PANEL MUST BE FIXED IN A MANNER THAT ALLOWS FOR EASY REMOVAL TO ACCESS THE ACTUATOR LIFT SYSTEM FOR SERVICING.**

**** KEEP SIDE AREA TO ACTUATOR FIXINGS FREE OF ANY SERVICES TO ALLOW FOR FUTURE ACCESS.**

ACTUATOR COLUMN INSTALLATION



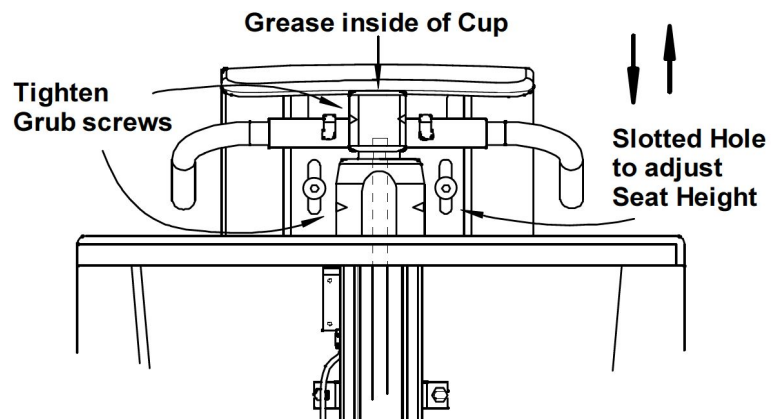
FIX 1

- 1) Tilt actuator inwards and position its piston & collar vertically through the rim aperture. Position actuator supporting bracket between the 2 positioning lugs on the lower strut & hook over tight onto strut. The actuator is now positioned & levelled.
- 2) Locate M10 bolt on the lower support strut into supporting bracket & tighten with the fingers only. Locate 2 M8 bolts on upper strut onto the 2 pierced brackets on the actuator columns and tighten with fingers. Now firmly tighten progressively all 3 bolts in 2) above.
- 3) Place the Flange Dome Seal over the actuator piston & collar ensuring the Key on the piston locks on to the slot on the back of the Dome Seal. Apply a beading of silicon sealant around the aperture face & edge to form a water tight seal. Push down Dome Seal flat & firmly into position. Secure onto the column by firmly tightening grub screw on the Dome Seal.

FIX 2

- 4) Place the seat face down on the floor carefully. Position the Seat Support Frame on the back of the seat aligning with the 4 fixing screw holes. Locate the 4 x 35mm cap screws and their washers (plain and spring) into position and progressively tighten. Position the seat screws near centre in the slotted holes. Tighten screws until very firm to 28.7 ft-lb (56 Newtons). (Important: Each screw is fitted with the 35mm washer placed in position first followed by the 10mm spring washer).
- 5) Grease the inside of the seat frame cup. Carefully lift the seat & position the seat frame cup in line & square to the actuator piston. Engage & lower home firmly ensuring the slot on the back of the Seat Frame Cup locks on to the Key on the piston. Secure by tightening the 2 grub screws on the seat cup.
- 6) With the Seat at its lowest level check the underside of seat at the back area just clears the bath well by 3mm to 4mm using a spacer. Adjust seat height by loosening its 4 fixing screws to raise or lower the seat along slotted the slotted holes and then tighten up firmly.

THE ACTUATOR COLUMN SYSTEM MUST BE PROTECTED FROM ANY BUILD UP OF DUST/FOREIGN MATERIALS WHEN INSTALLED AS THIS COULD IMPAIR ITS PERFORMANCE.
HANDLE WITH CARE.



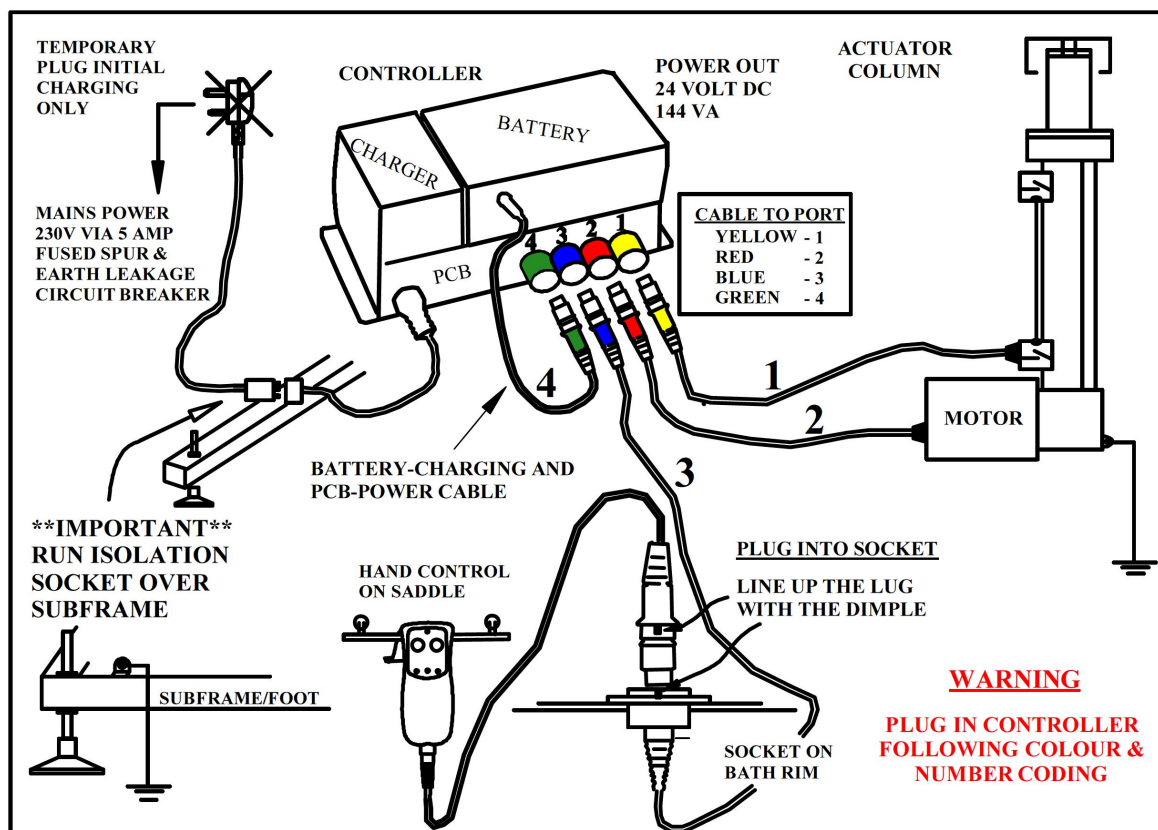
ACTUATOR LIFT COMMISIONING

The actuator lift is powered by a 24V rechargeable battery pack attached to the Controller Unit. The battery is maintained on full charge by an integral trickle charge transformer wired to mains supply. In the event of a mains supply cut the battery has the capacity to provide up to 20 lift cycles before it becomes depleted.

- The 24 V battery unit requires a minimum of 8 hours to fully charge from a flat state. Do not attempt to operate the seat until the battery has been on charge for at least one hour.
- The seat lift can be tested before the electrician wires in the controller to the mains, if the battery is sufficiently charged i.e. the battery light is Green. If battery light is Orange or Red then plug in cable 4 to Port 4 (Green) to connect battery & then plug in the 'temporary' mains plug to a mains socket.
- LED lights on the handset light up to show battery status:
GREEN=OK, ORANGE=LOW, RED=FLAT (See User Guide)

1. Place the Controller right way up alongside the Actuator under the bath. Do not obscure or cover.
2. The Controller unit has 4 colour & number coded connection ports
* The Green Cable No 4 must be plugged in last.
Yellow Port 1 - plug in Yellow Cable 1 (actuator proximity switches)
Red Port 2 - plug in Red Cable 2 (actuator motor)
Blue Port 3 - plug in Blue Cable 3 (hand control socket on rim of bath)
Green Port 4 - plug in Green Cable 4 (battery charge/power connection)
3. Plug in Hand Control into socket on the bath rim carefully aligning lug on the plug to dimple on the socket before pushing in firmly. Hook Hand Control onto to its Saddle fitted on the bath front panel.
4. Two earth tags are positioned on the lower body of the actuator column & by the front foot of the sub-frame. Earth at both ends of bath to plumbing.
5. Plug in Mains Lead Isolating socket into the adjoining 3-pin plug. Ensure isolating socket is raised over bath subframe to protect it against any water spillage.
6. Remove mains plug & feed lead cable to mains supply via a 5 amp fused spur with an earth leakage circuit breaker. If an RCD is fitted, install a unit with an illuminated test feature& with Passive Operation (resumes automatically in event of a power cut). Label RCD for future identification & advise customer on its position & operation.

**IMPORTANT
ENSURE PLUGS
ARE IN FIRMLY**



The electrical installation must be performed by a qualified electrician & in accordance with current IEE regulations (17th edition or later).

THE SHAKERLEY BATH WITH POWERED SEAT

IMPORTANT USERS INSTRUCTIONS

PLEASE READ CAREFULLY AND RETAIN FOR FURTHER USE.
IMPROPER USE OR CARE CAN INVALIDATE THE WARRANTY.

OPERATING INSTRUCTIONS

The Shakerley bath features an inward opening door for easy access and an actuator (electric motor) powered seat that can support up to 152 Kg (24 Stones) weight. A latch lock is located on the door opening side and locks into position by 'slam shutting' as any domestic door. A 'pull up' knob on adjoining rim releases lock to open. The door should always be left open when the bath is not in use to prevent the wear out of the seal.

The arm rests of the seat fold back to a holding position.

The Actuator is powered by a self-charging battery connected to the mains supply and in the event of a mains power cut can provide up to 20 lift cycles. The battery charge lights on the hand control indicate the battery capacity and if safe to use. Always check that the Green 'OK' light is on when seat is activated.

- 1) Prior to entering bath press the 'Up' button on seat hand control to raise seat to its uppermost position.
- 2) Close the two pop-up wastes and enter bath.
- 3) 'Slam shut' door to lock into position – you should hear a 'click' from the lock. Pull in the door to check it is locked.
- 4) Be seated using armrests for support. Press the 'Down' button on hand control to lower seat to its lowest position and park hand control onto its saddle.

BATH IS NOW READY FOR FILLING

- 5) After bathing turn levers on pop-ups to drain the water and remain seated until bath is drained.
- 6) Press 'Up' button on hand control to raise seat to its upper level.
- 7) Pull the door knob upwards to the open door and exist the bath.
- 8) Lower the seat down and re-park hand control onto its saddle. Leave the door unlocked to ensure seal is not permanently compressed.

FILL BATH ONLY WHEN OCCUPIED AND DOOR SHUT

** NEVER ATTEMPT TO OPEN DOOR WHEN BATH IS FILLED WITH WATER **

** DO NOT LEAN ON DOOR OR USE FOR SUPPORT **

** ALWAYS LEAVE DOOR OPEN WHEN NOT IN USE TO PRESERVE THE SEAL **

CARE AND MAINTENANCE

The Shakerley Bath is manufactured to a very high standard in G.R.P. (Reinforced Plastic) to ensure its durability and appearance is maintained over many years of use. It has a robust, smooth and warm surface, which is non-porous, resistant to dirt and bacteria and easy to clean and maintain.

The bath and seat will give many years of service and continue to look good if cleaned correctly and treated with care.

- 1) As with standard baths, cleaning will vary subject to the scale residue dependant on the hard or soft water level. In soft water areas, wash down with warm water and detergent applied with a soft cloth or sponge. In hard water areas, non-abrasive or mild acid cleansers can be used. Clean regularly followed by wiping with a dry soft cloth.

DO NOT use any form of abrasive cleaners on Bathtub, Seat, the white painted Seat Support Frame, or the stainless steel Lifting Piston. Widely available proprietary plastic/enamel bath cleansers are ideal cleaning agents that offer the advantage of a polished shine without aggressive rubbing down.

For the extra sparkle, and to further preserve the surface, the Bath can be gently polished occasionally. Beeswax and Brasso (Brass Polish) are suitable for this purpose. Polishing the anti-slip base should be treated with caution so as not to diminish its effectiveness. The latch lock and its catch plate can also be lubricated or polished once every six months to maintain in optimum working condition.

- 2) Ideally all chrome or gold plated furniture should be wiped down dry after use. Clean with soapy water and buff with a dry soft cloth only. Note: Surfaces can easily be damaged with acid/abrasive cleaners or with a rough cloth/sponge.

IMPORTANT:

- 3) The white silicone seal along bath door sides should be cleaned occasionally. Use detergent and warm water applied with a sponge or soft cloth. Apply gently and refrain from excessive rubbing.
- 4) The stainless steel shaft that connects to and mobilizes the seat should be lubricated and polished once every month using a silicone based furniture polish – ‘Mr. Sheen’ aerosol is ideal. Do not use any wax based products.

CAUTION

- DO NOT LOCK THE DOOR WHEN BATH IS NOT IN USE AS THIS WILL WEAR THE SEAL
- KEEP THE WHITE SILICONE SEAL FREE OF ANY BUILD UP OF DEPOSITS. CLEAN GENTLY AND AVOID UNNECESSARY HANDLING.
- DO NOT LEAN ONTO OR APPLY ANY UNDUE FORCE TO THE BATH DOOR. HANDLE GENTLY.

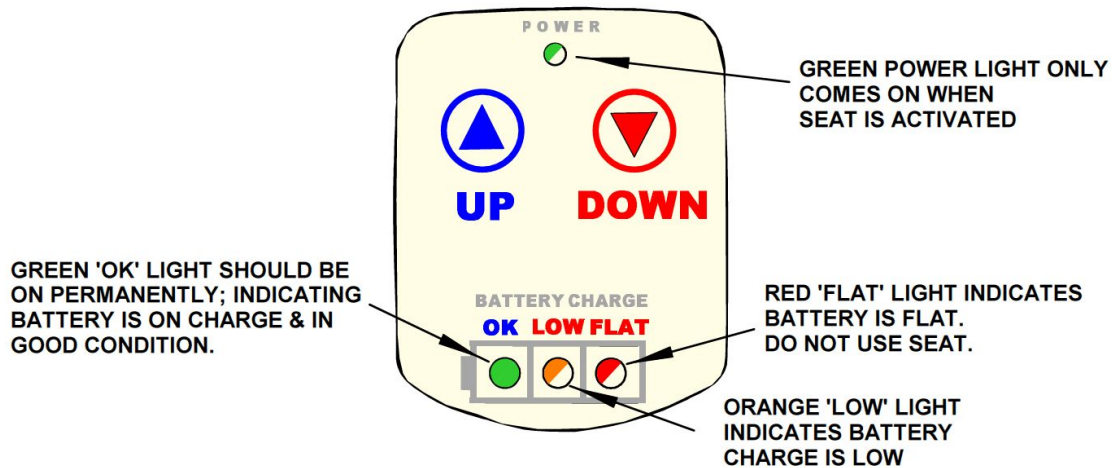
HANDSET DIAGNOSTICS

The Shakerley seat runs off a powerful 24V battery, which is constantly kept on full charge via a trickle charger connected to mains power supply.

The Power Light only comes on when the seat Lift is activated indicating 24 volts is being supplied to the lift motor.

The 3 Battery Charge Lights indicate the battery condition and whether any attention is required.

Under normal safe working conditions only the GREEN 'OK' light remains on permanently.



IMPORTANT. If mains power supply is cut off the battery will not be charged and the GREEN 'OK' light will go OFF. A competent person must now check the power supply. It is likely the RCD has tripped or its fuse has blown.

In the meantime the seat can still be used if battery has sufficient charge. Test first by pressing the UP/DOWN button on the hand control & one of the charge lights will come on only whilst button is pressed.

- ✓ If GREEN 'OK' light comes ON... ..Battery is fully charged. Seat is OK to use.
- ! If ORANGE 'LOW' light comes ON... Battery is low on charge. Use seat with caution.
- X If RED 'FLAT' light comes ON... .. Battery is flat. DO NOT USE SEAT.

◆ Normally the battery will last for over 4 years when it will eventually degrade & require replacement. At such time the GREEN 'OK' light will remain ON and also the ORANGE 'LOW' light will come ON to indicate the battery can not hold its charge. ◆

Important Helpful Hints

For safety the Actuator motor will switch off if it detects a fault condition for about 10 seconds. In the unlikely event the seat immobilizes when bathing press the UP or DOWN button intermittently allowing about 15 seconds between each press to allow the system to reset. If fault persists contact your supplier immediately.

If bath seat fails to operate properly check below before contacting your supplier.

- Check charge lights on hand control. If all are off it is likely the RCD has tripped and the mains power supply has been cut off.
- Check if hand control cable plug has not dislodged from its socket on the bath rim Push in firmly.

RULES FOR SAFE USE

Your Shakerley actuator lift seat is a finely designed piece of furniture. As it is motorized it should be treated with due care and attention to ensure trouble free use.

Care Advice To Remember:

- DO NOT exceed the maximum weight of 24 stones on seat.
- DO NOT soak the hand control in the bath water
- DO NOT drop or knock hand control unduly or overstretch its cable
- DO NOT stand on seat under any circumstances.
- DO NOT place any object within trajectory of seat travel.
- DO NOT attempt to remove front panel and interfere with any of the lift components
- DO NOT attempt to remove the seat from the bath
- DO NOT let children play with the powered seat

It Is A Good Idea To Do the following:

- ✓ DO lubricate the seat lift shaft (occasionally).
- ✓ DO check battery charge status on hand control.
- ✓ DO treat hand control and its cable with due respect.
- ✓ DO keep hand control parked on its saddle when not in use and avoid soaking in water.
- ✓ DO inspect bath seat before use to ensure it remains stable.
- ✓ DO make sure bath rim at back of seat is clear of any objects.
- ✓ DO advise the safety points to any other users.
- ✓ DO have a means of summoning help when bathing if your health condition requires it.
- ✓ Be aware of normal operating conditions of the bath seat prior to use. If there is any significant change in the operating sounds or speed of seat then contact the supplier immediately.

... ..Always Think Safety

Complies with	Specifications of Seat Lift
Machinery Directive 2006/42/ECC	Maximum user weight – 152 kilos (24 stones)
Low Voltage Directive 2006/95/EEC	Power supply – 230 Volts AC Mains
Electromagnetic Compatibility EN 60601-1	Power out – 24 Volts DC
Associated UK Safety Regulations	Battery – 2.9Amp/Hour

