

4) Troubleshooting

In the event that the Molly Bather develops a technical fault or is performing below it's original specification, please refer to the table on the right, prior to any part replacement.

Important tips for reliability

1. Ensure the battery is charged weekly for optimum performance.
2. Ensure the belt and slip cushion are regularly cleaned and allowed to dry naturally.
3. We recommend the Molly Bather is serviced every 12 months.
(This should help ensure the Molly Bather and building attachments are safe and reliable).
4. Ensure user knows how to adjust belt correctly, (P1), and always check their belt is at the correct tension before use.
5. Ensure user puts pressure on the belt when the handset is pressed otherwise the belt can uncoil inside the unit.
6. Ensure the user takes their finger off the lower button when at the bottom of the bath. They must also ensure they press the RED button to raise. Failure to use the correct button can result in belt reversal.

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SYMPTOM	CAUSE	SOLUTION
Red lamp on handset lit	Battery low	Recharge battery
Red lamp on handset flashing	Battery very low	DO NOT USE until battery is charged
Red lamp stays on after charging	Electronics retaining last charge	Remove battery. While out, press handset buttons twice to cancel memory
Belt is very slack when fully raised	Incorrect width setting	Adjust as P1
Belt is too taut when fully raised	Incorrect width setting	Adjust as P1
Belt has an odour or is grimy	Not regularly cleaned / dried	Clean as P1
Motor struggling during lift	Battery low	Recharge battery
	Service required	Replace motor
Unusual noises from motor	Service required	Replace motor
Belt showing signs of fraying or serious damage	Service required	Replace as P1
Belt creased	Belt being wound incorrectly	Sit upright when raising or lowering
Belt raises when Grey button pressed	Belt wound up in reverse	Correct as front page
Belt will not raise or lower	Electronics fault or Belt wound up in reverse	Correct or replace as front page / P3
Seat height altered	Leg adjustment loose	Adjust to 6mm from bath edge

Service & Repair

1) Belt care

Belt reversal - remedial action

1. Unscrew 4 x allen button head screws from seat plate and remove seat assembly.

2. Unwind the belt by pressing the 'Up' button on the handset, and ensuring the magnets in the belt are lifted up and away from the reed switch.

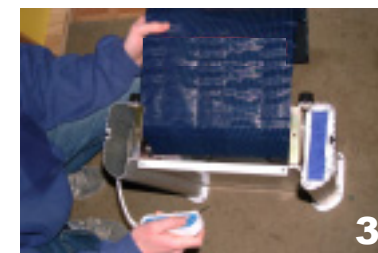
3. Unwind belt fully - ensuring you keep tension on the belt as it unwinds.

4. Go past the end of the belt - where the metal belt clamp plate can be seen. (The belt should now be winding in instead of out). Double check that when the grey 'Down' button is pressed the belt uncoils, and when the red 'Up' button is pressed the belt winds in.

5. Fit seat assembly back on the Molly Bather, by attaching the four allen button head screws back in place.

6. Raise the belt until it stops on the magnets normally - (always keep tension on the belt when raising or lowering).

The Molly Bather should now raise and lower correctly, please check the tautness is correct, (the belt should be just taut when the magnets stop the bathlift raising).



1) Belt care

Attachment and removal

An adjuster-bar is attached to the fixed end of the bathing belt, which is wound relatively taut when the belt is fully raised.

(Stops on magnets when belt is just taut).



Note the marking of the belt label, it will indicate either 'MIN', 'MID' or 'MAX' depending on your bath width.



The belt can be removed from the grab rail, but ensure the belt is fully 'raised', and that the belt is fitted back into the grab bar cradles, wound to the same tautness as before.



To prolong the life of your bather and battery, the bathing belt should never be adjusted too taut when fully raised.

The bathing belt is made from a water-repellent material and is drip-dry.

Belt cleaning

To clean the belt, please follow this procedure:

1. Lower the bathing belt into the empty bath, putting hand pressure on the empty belt to maintain tension at all times.
2. Using a damp cloth and anti-bacterial cleaner, wipe down upper and under surfaces of the bathing belt.
3. Allow to dry naturally while lowered.
4. Raise the bathing belt fully, again, putting hand pressure on the belt to maintain tension at all times.

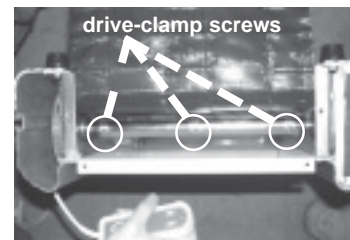
Slip-Cushion cleaning

1. The slip cushion can be removed by unsecuring the velcro straps. It should be washed at 40°C, (IMPORTANT: Ensure velcro straps are fastened during washing).
2. When clean and dry simply re-attach the velcro straps under the belt, ensuring smooth sliding action.

Seat and metalwork cleaning

1. The padded seat, handset and all the external metalwork can be cleaned using a damp cloth and anti-bacterial cleaner, drying thoroughly afterwards.
2. Care should be taken to keep moisture away from the battery and the battery chamber connections.

3) Service guide (contd.)



Belt screw check

1. Following the Gear drive check, using the handset, unwind the belt fully until 3 drive-clamp screws are accessible. (Keep tension on the belt at all times during the unwinding).

2. Check tightness of the 3 drive-clamp screws, (shown circled in the photograph left), using a No2 Pozzi screwdriver.

3. At the opposite end of the belt, remove the adjuster-bar from the Grab Rail, unwinding until the adjuster-bar screws are accessible.

4. Check tightness of the 3 adjuster-bar screws, (shown circled in the photograph left), using a 3mm Allen key.

5. Put the padded seat and the seat-support panel back in place and secure with the 4 button head screws, using a 3mm Allen key.

6. Check the whole length of the belt for any serious signs of damage or fraying, (Replace if necessary), otherwise replace the adjuster-bar back into the Grab Rail and rewind the belt as before.

The following is a check list of visual inspections or tightness settings, please ensure you check each item thoroughly.

Item	Service required	OK?
Seat height	Measure ¼" (6mm) bath to seat panel clearance.	
Grab Rail fixings	Check tightness of the wall & floor screws.	
Electronics	Check for normal operation.	
Battery	1) Discuss charging habits of user. 2) Ensure battery slides in & out of chamber OK, (if tight, lever or tap with soft mallet side extrusion wider). NOTE: Battery has a normal life expectancy of 3 years before replacement is necessary, dependant on use.	
Charger	Check connector pin & cable for damage.	
Slip cushion	1) Check condition of cushion. 2) Check security of Velcro straps under belt.	
Overall	Check for unusual noises, serious corrosion or other damage.	
Service stamp	Sign & date USER GUIDE.	

3) Service guide

(12 monthly intervals domestic / 6 monthly institutional)

Providing the Molly Bather does not require any remedial action prior to the service period, the following Service Checklist should be adequate for normal domestic duty.



Gear drive check

1. Remove the 4 button head screws holding the seat-support panel, using a 3mm Allen key.

2. Put the padded seat and the seat-support panel to one side.

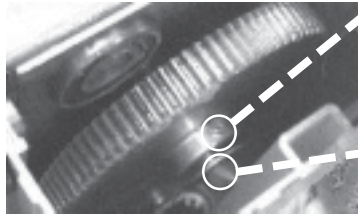
The gear drive is in the leg chamber on the left-hand side.



3. Using the handset, rotate the large gear until the retaining grub screw is accessible.

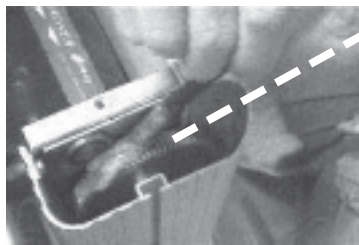
Check the tightness of the gear retaining grub screw, using a 2.5mm Allen key.

4. Check the tightness of the gear retaining hexagon head screw, using an 8mm spanner.



5. Apply Castrol LM grease or equivalent on the teeth of the large gear. Rotate 180° using the handset to apply grease to opposite side of the gear.

The gear train will not need more attention for a further 12 months.



1) Belt care

Belt replacement

1. Unscrew 4 x allen button head screws from seat plate and withdraw the seat assembly.

2. Lower the belt to half way. Unscrew 4 x button hd screws from the front panel. Slide front panel up and withdraw from the system.

3. Fully unwind the belt from the Molly Bather by pressing the 'Down' button on the handset. Keep unwinding to the end of the belt. You will be able to see a metal clamp plate holding the belt in place. Remove the 3 x belt screws, withdraw clamp plate and remove belt.

IMPORTANT: Ensure you always apply pressure to the belt.

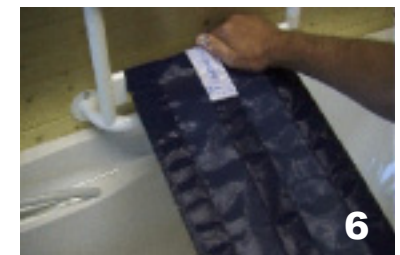
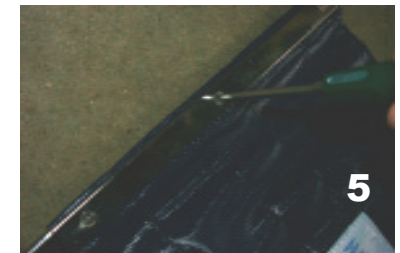
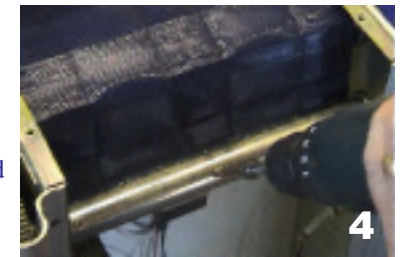
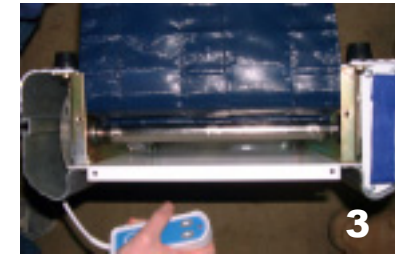
4. Align the holes in the new belt with the holes in the drive shaft and the metal clamp plate. Screw the 3 x belt screws into place.

5. Detach other end of old belt from the grab rail cradle, and unroll belt to expose the adjuster-bar. Unscrew 3 x screws and adjuster-bar & clamp.

6. Align the holes in the bars with those in the end of the new belt and screw into position. Roll up belt and re-insert in to grab rail.

7. Replace the front panel and screw back into position. Raise the belt back into the system by pressing the 'Up' button until it cuts out on the microswitch. Reposition the top seat panel and screw back into position.

The belt is now fully replaced, please check the tautness is correct, (the belt should be just taut when the magnets stop the bathlift raising).



2) Electronics replacement Removal

1. Unscrew 4 x allen button head screws from seat plate and withdraw seat assembly.



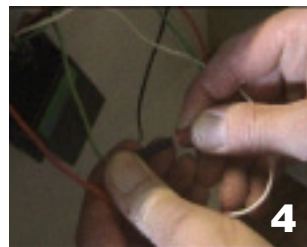
2. Lower belt half way, unscrew 4 x allen button hd screws from front panel and withdraw panel.



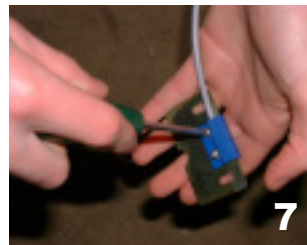
3. Unscrew 2 x button hd screws from electronics clamp plate and remove. Keep 'P' clip for later.



4. Carefully pull apart wire connectors.



5. Lift belt over so you can access the microswitch, unscrew 2 x allen button hd screws from microswitch plate and remove.



6. Feed handset cable behind black bath stops and push handset down between back panel and guide roller.



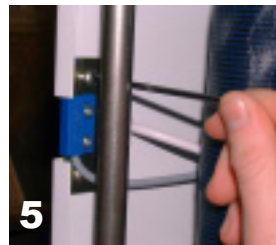
You will need to push back panel to allow room for handset to pass.

7. Unscrew microswitch from plate and remove.



The electronics are now fully removed. Please see following page for instructions for fitting the replacement electronics module.

(New part ref: **ELEC**)



2) Electronics replacement Fitting & checking

8. Remove new electronics from packaging.

Attach microswitch to plate with 2 x posi hd screws. Do not tighten fully.



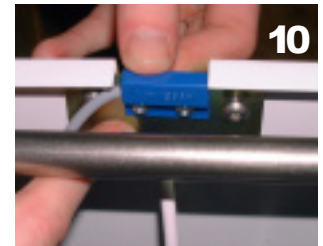
9. Feed handset behind belt, up between guide roller and back panel.

Secure correct length of cable with a cable tie and slide grommet up to it. Feed handset behind black bath stop.



10. Feed microswitch plate behind belt roller and locate in position, trapping the grommet in the two half cutouts. Screw in place with 2 x allen button hd screws & shakeproof washers.

NOTE: The top of the microswitch should be aligned with the bottom lip of the back panel. It is important the belt never touches it or it will break.

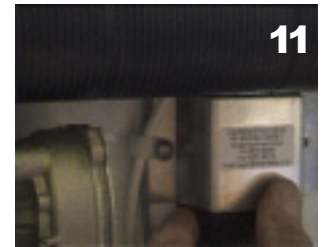


11. Put belt back in grab bar to allow access to the electronic connectors and back panel.

Place the 'P' clip around the upper cables.

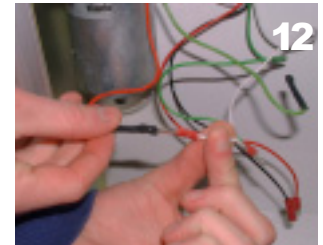
Place the electronics clamp plate over electronics box and secure in position with 2 x allen button hd screws.

NOTE: The 'P' clip is secured with the left screw.



12. Connect battery wires 'Red to red' and 'black to black', then motor wires 'White to red' and 'green to green'.

NOTE: On new replacement electronics the terminals are different to pre-2004 models, these will need to be fitted by replacing the connectors with a 2 way terminal-block connector, (not supplied). Place a cable tie around wires to keep them tidy inside system.



13. Raise belt to half way.

Slide front panel back into position and secure with 4 x allen button hd screws.

14. Reposition top panel and secure with 4 x allen button hd screws. Raise belt using the handset until it stops on the microswitch. Ensure belt width is set correctly. Electronics are now fully replaced.