



NEPTUNE



| Bath | Whirlpool | Mass-air | Activ-air |

| Installation | Operation | Maintenance | Repair |



Do not discard. Save these instructions for further use

NEPTUNE OWNER'S MANUAL

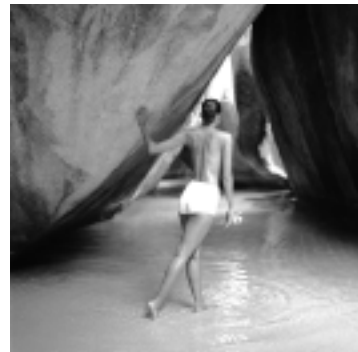


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Welcome to the Neptune universe.

Your new Neptune bath is a top of the line product that will give you years of pleasure and relaxation if it is installed and maintained correctly.

We encourage you to read and understand all of the safety, installation and maintenance instructions included in this owner's manual. It is strongly recommended that the installation of your bath be carried out by competent, qualified and accredited professionals in accordance with governmental building codes and by-laws.

NEPTUNE ...
 The art in baths!

INSTALLATION

BEFORE YOU BEGIN

Before you begin the installation of your new Neptune bath it is strongly suggested that you do the following:

- Inspect your bath visually to make sure that it has not been damaged during transportation. *If you suspect that there may be damage do not install the bath.*
- Make sure that the bath is the unit that you ordered and that its dimensions and drain-side correspond to your plans.
- Never use the pump, piping or jets to lift or manipulate your bath, as this can damage both the equipment and the watertight connections into the bath.
- The bath should be placed in the bathroom and the floor should be checked for level. Make sure that the floor is solid enough to support the weight of the bath when it is full (1000 lbs average). **The feet of the bath must be in contact with the floor. It cannot be suspended by the perimeter alone.**
- For optional non-adjustable skirt installation, the bath must be installed at the correct height to facilitate installation of the skirt (see table 1 for height information)
- **An access panel is mandatory.** Most building codes require that there be an access panel a minimum of 30 cm x 55 cm (12" x 22") in order to service the plumbing, motor, control unit and keypad.
- In order to protect the bath during installation a piece of cardboard should be cut out of the box and placed in the bottom of the bath.
- If there is a protective plastic sheet covering the surface of your bath, it should not be removed until the installation is complete. When necessary during the installation process the plastic can be peeled back for installation of the drain, overflow and surface mounted plumbing fixtures. The plastic should also be peeled back in areas where it could become snagged during the installation process.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: When using this unit and any electrical product basic precautions should always be followed, including the following:

DANGER: Risk of electric shock. This unit must be connected only to a circuit that is protected by a class-A ground fault circuit interrupter (GFCI). **Grounding is required**, this unit should be installed by a qualified service representative and grounded. Install to permit access for servicing.

WARNING: Risk of electric shock. A licensed electrician should make all electrical connections.

WARNING: Risk of electric shock. Disconnect power before servicing.

WARNING: Risk of injury or property damage. Please read and understand all instructions thoroughly before beginning installation, including the following requirements.

- **Follow all local plumbing and electrical codes.**
- **Provide unrestricted access to the pump.** Access must be provided for servicing the pump and controls. The access must be located immediately next to the pump.

WARNING: Unauthorized modification may cause unsafe operation and poor performance of the Whirlpool, Mass-air and Activ-air systems. Neptune shall not be liable under its warranty or otherwise for personal injury or damage caused by any such unauthorized modification.

WARNING: Risk of child drowning. To reduce the risk of accidental drowning, do not permit children to use the bath unless they are closely supervised.

• If your bath is equipped with a Whirlpool, Mass-air or Activ-air system you must test it before final installation. These systems are tested at the factory but can be loosened by transportation and installation.

• Remember that the Whirlpool, Mass-air and Activ-air systems must be hooked-up before the final installation.

• If your bath is equipped with adjustable metal feet they should be installed now by threading them into the metal support rails underneath the bath.

TOOLS REQUIRED

- Level
- Hole-saw (for surface mount faucet installation)
- Sabre saw for podium installation
- Safety glasses
- Tape measure
- Caulking gun

MATERIALS REQUIRED

- Bathroom grade (mildew resistant) silicone caulking
- Construction Adhesive
- Adjustment shims (except for baths equipped with adjustable feet)
- 1" X 2" Wood strip for attachment to the walls
- 2" X 3" Wood stock for building podium or apron
- 5/8" Exterior grade plywood for covering podium or apron
- No. 8 x 11/4" wood screws
- Bath drain and overflow kit (available from your Neptune dealer)
- Mortar (optional mortar bed installation only)

SUMMARY OF PRECAUTIONS

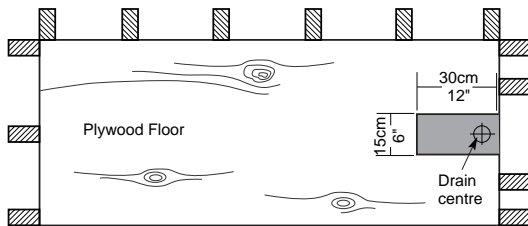
The following precautions should always be taken:

- The suction cover must be in place at all times to minimize the potential for hair and body entrapment.
- Keep body and hair a minimum of 15cm (6") away from the suction fitting at all times when the whirlpool system is operating. Hair longer than shoulder length should be secured close to the head.
- Never operate electrical appliances (telephone, television, radio, hairdryer etc.) inside or within 1.5m (5 ft) of the bath.
- Never leave small children unattended in the bath.
- Do not operate the whirlpool system unless the bath is filled with water to at least 5cm (2") above the highest jet.
- When cleaning your bath, do not use abrasive substances that will damage the baths' surface.
- A maximum water temperature of 104° F (40° C) is recommended. Bathing temperatures above 104° F (40° C) for prolonged periods can be injurious to health. Pregnant or possibly pregnant women should consult a physician before using a Whirlpool system.
- The Whirlpool system must be cleaned at least monthly.

SITE PREPARATION

- The site should be cleared of debris and vacuumed. This will ensure that the bath is leveled properly and that no dirt can be sucked into the bath's systems preventing possible damage.
- The floor should be checked for level and solidness. The level should be in a range that can be compensated for by the use of adjustment shims. An average sized bath can weigh as much as 450 kg (1000 lbs) when full, the floor must be able to support this weight.
- An opening of 15cm x 30cm (6" x 12") needs to be cut into the floor for the bath drain and overflow (*see fig. 1*). Make sure that there are no obstructions in this space.

Fig. 1



- The plumbing rough-in for both the drain and the supply lines should be completed by a competent and accredited plumber before the bath is moved into its final position.
- For baths equipped with a Whirlpool, Mass-air, Activ-air, Lighting system or inline water heater all electrical connections should be completed by a competent and accredited electrician. Each system must be hooked-up to a dedicated 15 amp ground fault circuit interrupter (GFCI) breaker, or where allowed by law to a regular breaker with a ground fault circuit interrupter (GFCI) outlet.

RECESSED INSTALLATION

When the plans call for installation of the bath in a recess (i.e. encased between 2 or 3 walls) we suggest that the following installation procedure be followed:

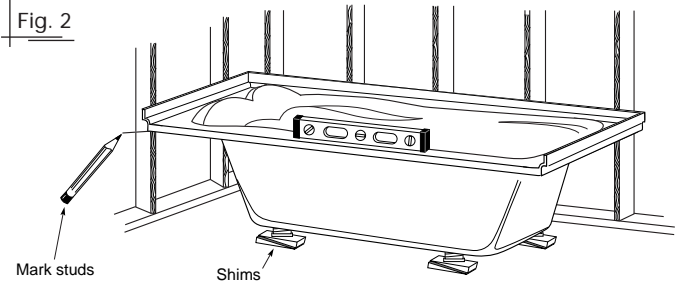
- **Step 1:** The bath overflow and drain should now be installed by a competent certified plumber according to the overflow manufacturers instructions, and conforming to local building codes.
- **Step 2:** The bath should be set in position and leveled using adjustment shims under all of the bath's feet. Some baths are equipped with adjustable metal feet and can be adjusted by rotating each foot to the desired height. The bath should be leveled longitudinally first, by placing a long level along the bath deck closest to the wall (*see fig. 2*). It can then be leveled from front to back by adjusting the shims under the front feet. **When installing the optional bath skirt for Helena and Daphne baths, the bath must be installed at the specific heights shown in table 1.**

Table 1

BATH TYPE	INSTALLATION HEIGHT FOR SKIRT, under bath lip to the top of the finished floor (ceramic tile)
Helena	46 cm (18")
Daphne	46 cm (18")

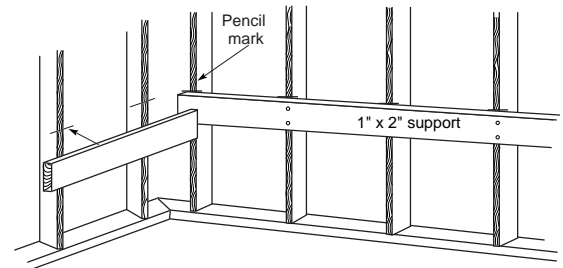
- **Step 3:** Using a pencil mark the wall studs directly under the lip of the deck (*see fig. 2*). If you intend to set the bath in a mortar bed the position of the feet should be marked too.

Fig. 2



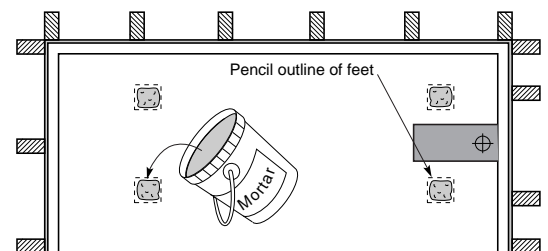
- **Step 4:** Remove the bath so that you have access to the walls.
- **Step 5:** Cut supports for the bath deck from 1" x 2" stock. The supports should be long enough to support the entire length of the bath. These supports are fastened to the wall studs with the top of the support at the level of the marks from step 2 (*see fig. 3*).

Fig. 3



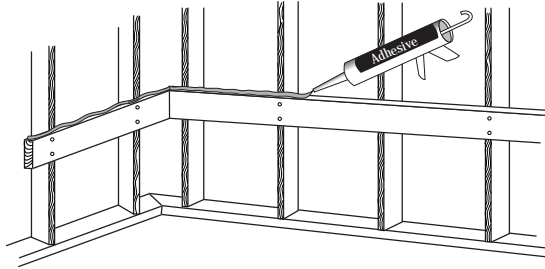
- **Step 6:** Mortar bed (optional, recommended for tub/shower installations and baths with an integral skirt.) **NOTICE: When using mortar to support a bath equipped with a Mass-air system, the mortar should be under the feet only. Under no circumstances should the mortar come into contact with the piping and fittings underneath the bath.** Freshly mixed mortar should now be placed on the floor where the bath's feet will land (marked out in step 2) (*see fig. 4*).

Fig. 4



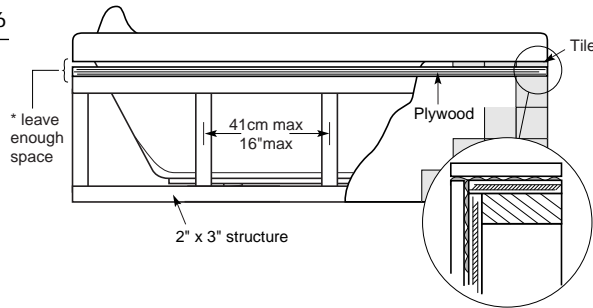
- **Step 7:** Apply a generous bead of construction adhesive along the top of the 1"X2" support strips (*see fig. 5*). This will prevent the bath from shifting and also compensates for the unevenness of the fiberglass reinforcement under the deck.
- **Step 8:** Set the bath into position. Check that the bottom of the deck comes into contact with the support strips. **If you opted to use a mortar bed,** check that the mortar has squeezed out and that the feet are supported. Add more mortar if necessary. **If you did not use a mortar bed,** the shims should be replaced under the feet, and glued in place with construction adhesive.

Fig. 5



• **Step 9:** If your bath is not equipped with an integral skirt the front wall should now be built. It is made from 2"x 3"s spaced 41cm (16") on center (see fig. 6). Remember to leave enough space between the top of the wall and the bottom of the bath deck to allow for installation of the plywood and the ceramic tile or other covering material.

Fig. 6



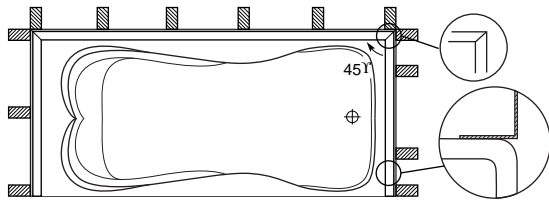
TILING FLANGE

(optional, for recessed installation of a podium style bath)

Although many Neptune baths are designed with an integral tiling flange occasionally the bathroom plans will call for the installation of a podium style bath between either two or three walls. In such instances it is highly recommended that an aluminum tiling-flange (1/2"x 1/2" angle 1/16th thick) be installed. This is available as an installed option from your Neptune dealer or you can add your own.

• **Step 1:** Using a miter box and hacksaw cut the tiling flange to the lengths required. At the corners where the flanges meet the cuts should be made at 45° angles (see fig. 7).

Fig. 7



- **Step 2:** Where the tiling flange comes into contact with the bath, the surfaces of both the flange and the bath should be cleaned with denatured alcohol.
- **Step 3:** Apply a thin bead of bathroom grade (mildew resistant) silicone along the perimeter of the bath where the tiling flange is to be installed. Care should be taken not to use too much as it could squeeze out onto the deck of the bath when the tiling flange is positioned (see fig. 8).
- **Step 4:** Beginning with the center strip (for three sided applications) set the tiling flange into the silicone. By depressing the front of the flange first you will ensure that the excess silicone squeezes out towards the rear and not onto the deck of the bath (see fig. 9). Repeat this procedure for the remaining pieces.

Fig. 8

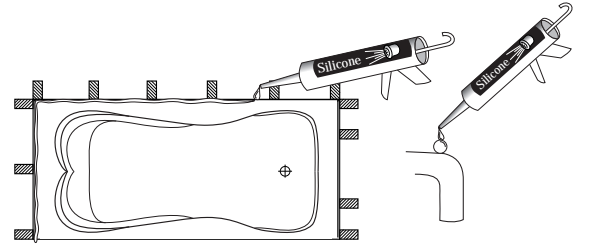
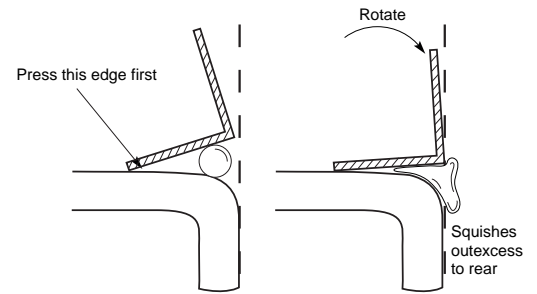


Fig. 9



• **Step 5:** The mitered joints should be held closed by applying a short length of masking tape to the outside of the joint (see fig. 10) The joint should then be sealed from the inside by applying a small bead of silicone in each of the miters (see fig. 11).

Fig. 10

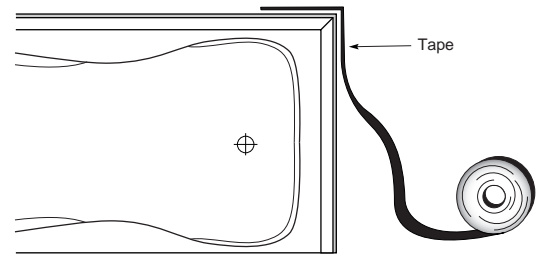
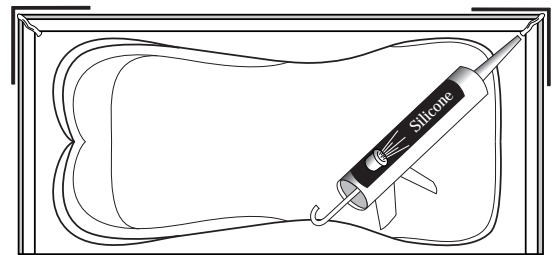


Fig. 11



PODIUM INSTALLATION

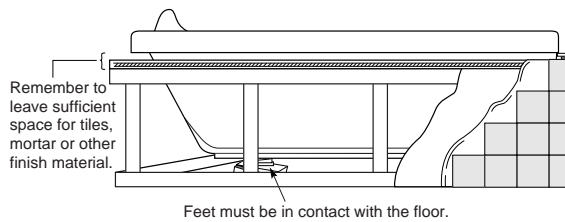
When the plans call for podium installation we recommend the following installation procedure:

NOTICE: To minimize the risk of errors you should not begin construction of the podium until you have the bath on hand.

NOTICE: The bath must be supported by both its feet and at the rim. The feet must be in contact with the floor at all times.

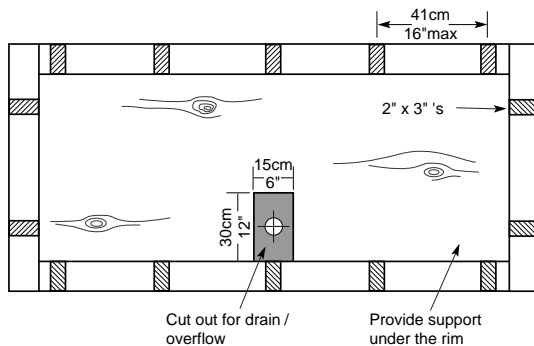
• **Step 1:** Calculate the height of your podium structure. Remember that the finish material must fit between the lip of the bath and the podium structure, so its thickness must be subtracted from the total height when building your structure (see fig. 12).

Fig. 12



• **Step 2:** Frame the podium using 2"x 3"s spaced no more than 41cm (16") on center. Remember to provide adequate support under the rim of the tub and ensure that the framework is level. This framing must conform to your local building codes (see fig. 13).

Fig. 13

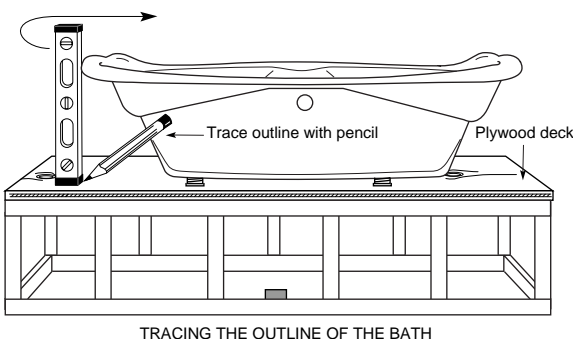


• **Step 3:** Cut out an opening 15cm x 30cm (6"x 12") in the floor to accommodate the bath drain and overflow piping.

• **Step 4:** Sheath the top of the podium using 5/8" thick exterior grade plywood. The plywood should be attached to the framework using screws.

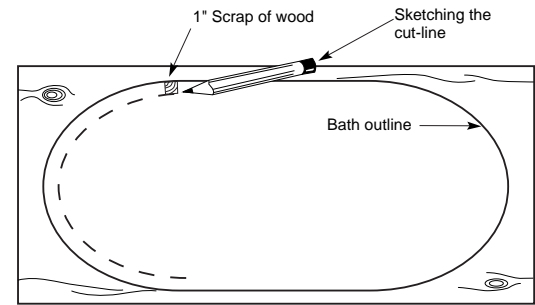
• **Step 5:** Lift the bath onto the podium and align it in the desired position. The outline can now be traced using a level and pencil as shown in fig. 14.

Fig. 14



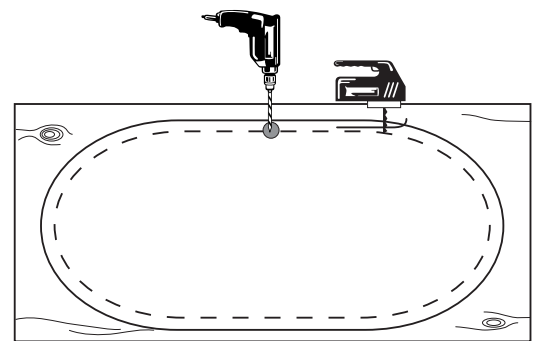
• **Step 6:** Remove the bath from the podium, and sketch a cut line 2.5cm (1") inside the outline of the bath (see fig. 15). You can use a 1" scrap of wood to simplify this procedure.

Fig. 15



• **Step 7:** Drill a pilot hole on the cut line. Cut out the waste following the cut line using a saber saw (see fig. 16).

Fig. 16



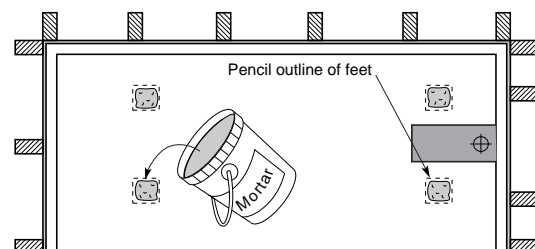
• **Step 8:** Clear away and vacuum any remaining debris from inside the podium (debris could be sucked into the bath's systems causing damage not covered by the warranty).

• **Step 9:** The bath overflow and drain should now be installed by a competent certified plumber according to the overflow manufacturer's instructions, and conforming to local building codes.

• **Step 10:** Lift the bath and set it into the podium. Make sure that it does not catch on the plywood deck and that there is sufficient space for the bath overflow plumbing. Make any necessary modifications before proceeding with the next step. If you plan to use a mortar bed mark the position of the bath's feet on the floor and remove the bath from the podium.

• **Step 11:** Mortar bed (optional, otherwise go to step 13) **NOTICE:** When using mortar to support a bath equipped with a Mass-air system, the mortar should be under the feet only. Under no circumstances should the mortar come into contact with the piping and fittings underneath the bath. Freshly mixed mortar should now be placed on the floor where the bath's feet will land (marked out in step 10) (see fig. 4).

Fig. 4



- **Step 12: (Mortar option only)** Lift the bath and set it into the podium. Level the bath longitudinally first, then across its width. Check, underneath the bath, that the mortar has squeezed and that there is adequate mortar for support under the feet. Add some if necessary.
- **Step 13: (non-mortar option only)** Level the bath longitudinally first, then across its width by adding adjustment shims under the feet. Glue the shims to the feet and the floor using construction adhesive.

PLUMBING INSTALLATION

- **Step 1:** (Bath mounted faucets) Roman tub style faucets can be mounted either onto the podium, or they can be attached directly to the bath. When attachment to the bath is called for, **great care must be taken when drilling through the acrylic.**

- √ Always use a sharp hole-saw with a pilot bit that extends at least 1/4" below it.
- √ The hole saw must always be larger than the fitting, forcing an object through a hole that is too small will damage the acrylic.
- √ Drill slowly and steadily letting the tool do the work. This will help to reduce heat build-up and binding at the acrylic surface.
- √ When installing the fixtures never over-tighten them as this can cause damage to the acrylic surface.

- **Step 2:** Now that the plumbing installation is complete, your new bath needs to be leak tested. We recommend a 20 minute soak test, the bath should be filled above the level of the overflow and left to stand for 20 minutes. If no leaking is detected at the bath or the plumbing hook-ups during or after 20 minutes you may continue with the installation.

SYSTEM HOOK-UP

(electrical installation)

All electrical connections should be done by a competent licensed electrician and conform to the local building codes in your area.

Each of your bath's systems should be connected to an independent 15amp class-A ground fault circuit interrupter (GFCI) breaker. Where allowed by law they can be connected to GFCI outlets connected to a regular breaker.

The bath systems and controls are designed to operate on 110/120 Volts AC. (North America), 60hz or 220/240 Volts AC, 50hz (Europe) only.

- **Step 1: Turn off the power to the bath circuit at the electrical panel.**
- **Step 2:** Hook up the factory installed 14/3 JJ wiring from the control module and/or blower and/or pump and/or inline heater and/or light to the circuit panel using 14/2 NMD cable (*see fig. 17*). If the distance from the electrical panel to the bath is further than 30m (100ft), refer to your local building code to make sure that a sufficient gauge cable is used.
- **Step 3: Electronic touch pad or switch:** The hole for the electronic touch pad or switch is drilled at the factory. The pad or switch has a self-sealing gasket that will hold it in place. Depending on your model it will plug directly into the motor or control module (*see fig.17*).

- **Step 4: Optional Bath light:** The optional bath light is operated using an air switch. The switch can be mounted on the podium or directly on the deck of the bath. **For mounting directly on the bath follow the same procedure as *Plumbing installation step 1 "bath mounted faucets."*** The air tube is attached to the barbed fittings on the both the bottom of the switch and on the light control module which houses the transformer. The housing for the light is factory installed on the bath (*see fig.18*). Please see "maintenance" *pg.13* for light bulb replacement instructions.
- **Step 5: Optional in-line water heater:** The in-line water heater has a built-in pressure switch that automatically turns the unit on when the whirlpool pump is operating. There is a red light at the top of the unit, which will be illuminated when the unit is in operation. No further connections other than those in step 2 are necessary.
- **Step 6: System test:** Now that the electrical installation is complete, the power can be turned on at the electrical panel. The bath should be filled above the level of the jets and the system run for twenty minutes (*see operating instructions pg.11*). If no leaks are detected and all of the systems are functioning normally you may proceed with the remainder of the installation.

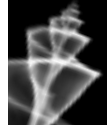
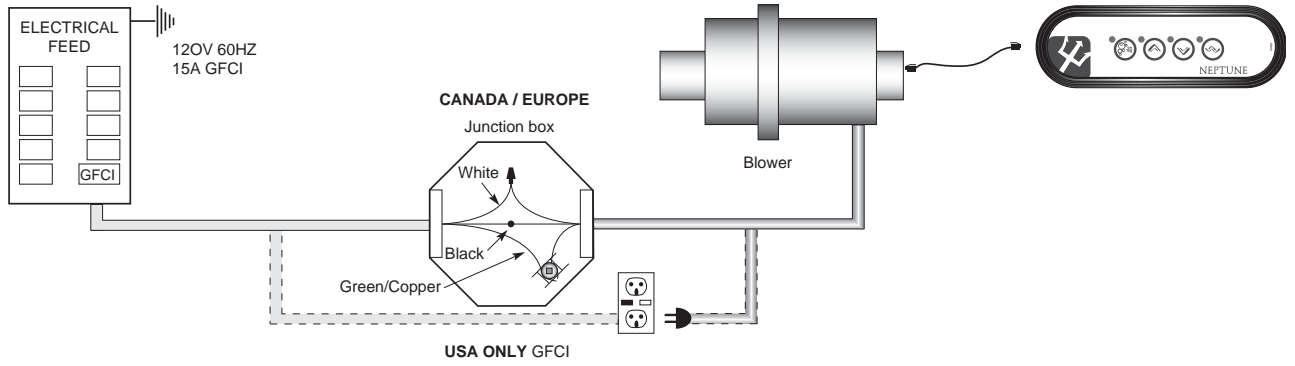
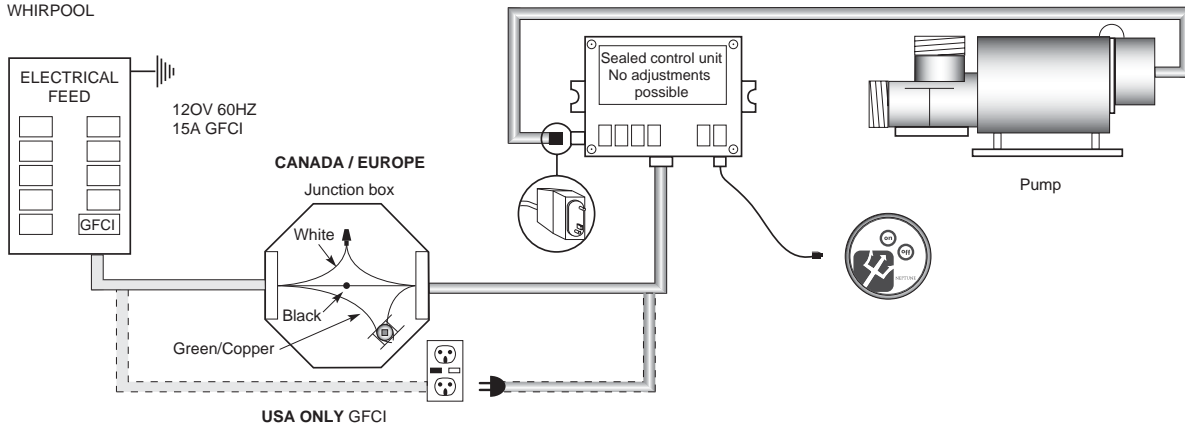


Fig. 17

MASS-AIR AND ACTIV-AIR



WHIRPOOL



COMBINED AND TURBO AIR

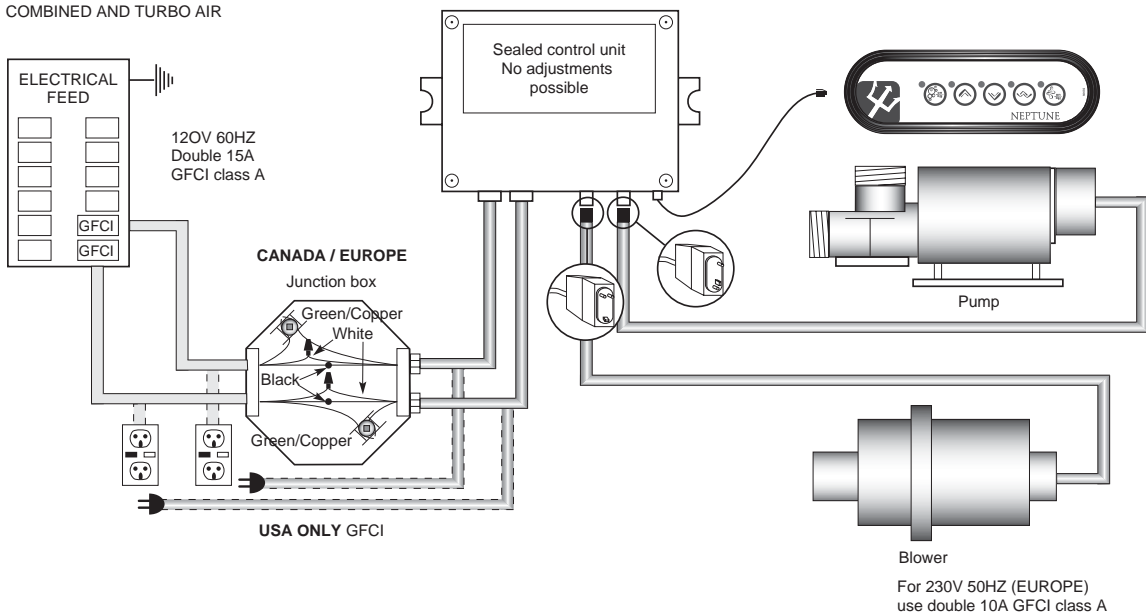
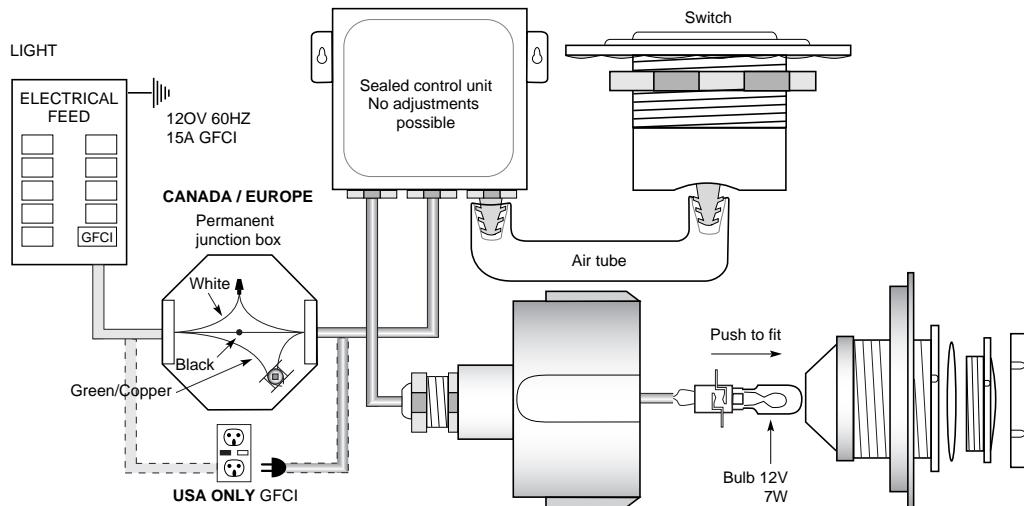
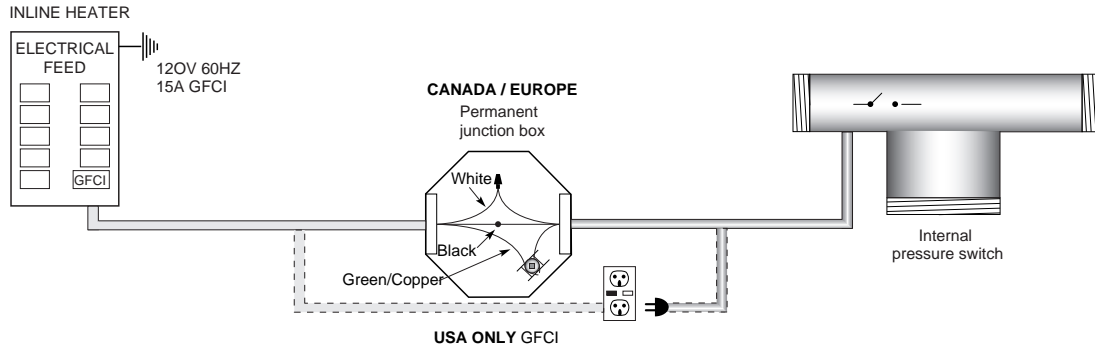


Fig. 18

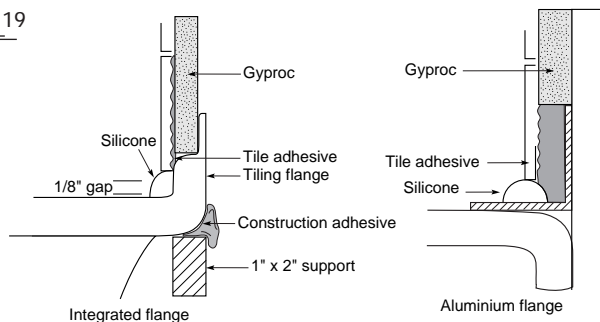


FINISHING WALLS, DECKS AND PODIUMS

Now that you have installed and tested your bath and its systems, the following pointers will help you achieve a professional looking and watertight finish:

✓ **Fig. 19**, shows how the finishing materials should be installed relative to the tiling flange.

Fig. 19



✓ The tiling flange does not replace caulking. Always caulk your bath using good quality, bathroom grade (mildew resistant) silicone caulk.

✓ **Fig. 20**, shows how the finishing materials should be installed relative to the bath lip on a podium or deck installation.

✓ All 90° angles including those between the walls, the podium and the deck should be sealed with silicone caulk (**see fig 21**).

Fig. 20

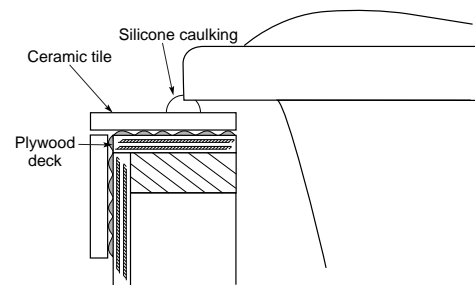
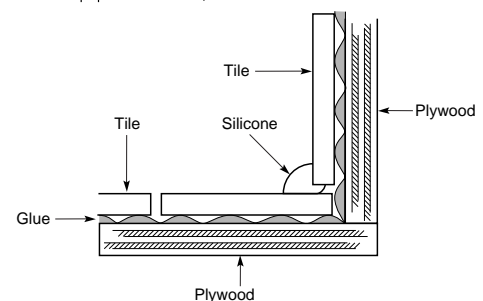


Fig. 21



OPTIONAL BATH SKIRT INSTALLATION

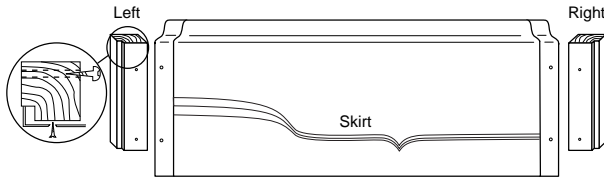
Optional bath skirts are available for many Neptune baths. There are two general types, fixed height aprons such as those for Helena and Daphne baths and adjustable height skirts such as those for the Ariane, Orphee and Venus baths. **All skirts are designed shorter than the bath by a 1/2" on either side. This is to allow for removal of the skirt after the walls have been finished.** Follow the instructions that match your type of skirt:

FIXED HEIGHT SKIRTS

The bath must be installed at a specific height in order for the skirt to fit properly refer to *table 1 on page 4* to find the correct height for your bath.

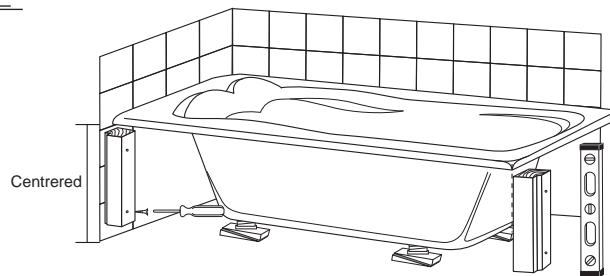
The skirt is comprised of 3 components, 2 blocks marked "left" and "right" and the skirt itself (*see fig. 22*).

Fig. 22



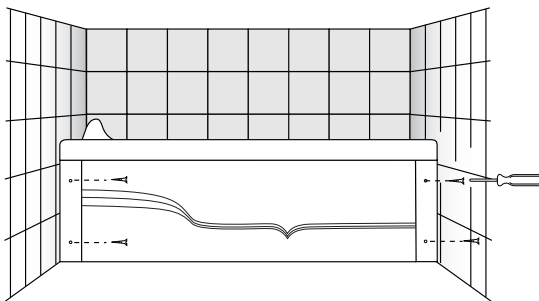
- **Step 1:** Install the two blocks marked "left" and "right", they must be flush with the lip of the bath and vertically level (*see fig.23*).

Fig. 23



- **Step 2:** Set the skirt in place by pushing it up and behind the lip of the bath. If you installed the bath at the correct height it will be a snug fit between the floor and the bottom of the bath lip. Attach it to the two side blocks using screws through the holes in the skirt (*see fig. 24*).

Fig. 24



- **Step 3:** Install the caps on the screws.

ADJUSTABLE HEIGHT SKIRTS

The skirt is comprised of 4 components, the L shaped bracket that screws to the floor, 2 blocks marked "left" and "right" and the apron (*see fig. 25*).

- **Step 1:** Install the two blocks marked "left" and "right", they must be flush with the lip of the bath and vertically level (*see fig.26*).
- **Step 2:** Position the L-shaped base 22mm (7/8") from the front of the blocs as shown *in fig. 27* and fasten it to the floor with screws.

Fig. 25

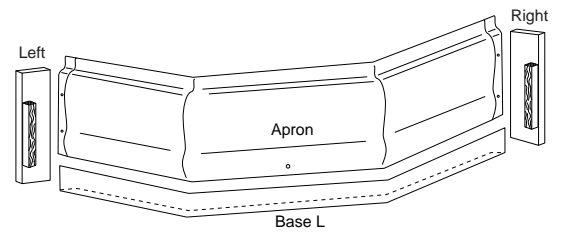


Fig. 26

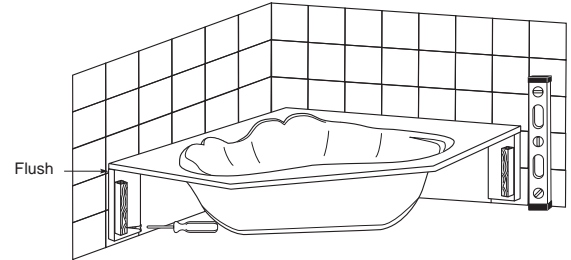
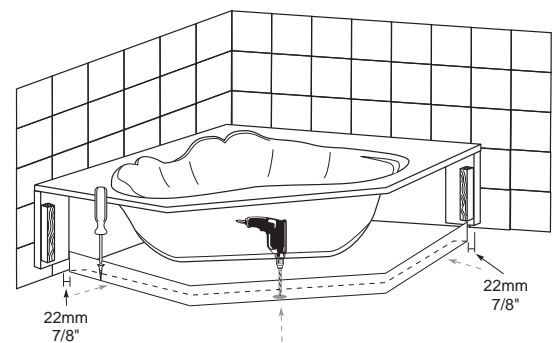
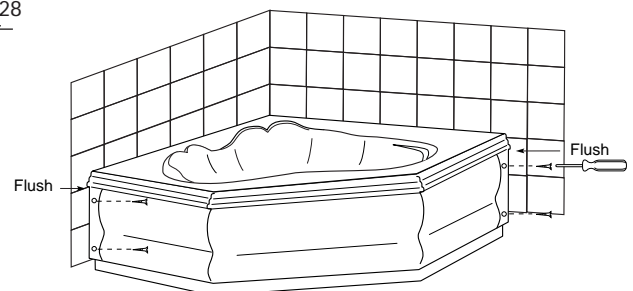


Fig. 27



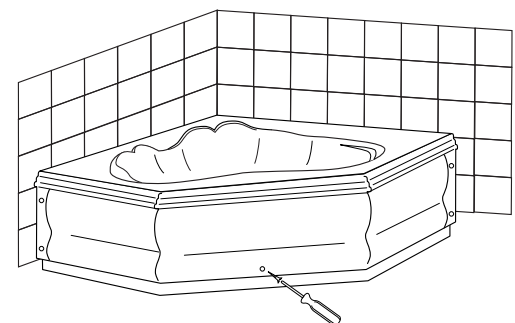
- **Step 3:** (2 people are required for this operation) Lift the skirt into place, flush under the lip of the bath. Attach it to the two side blocks using screws through the holes in the skirt (*see fig. 28*).

Fig. 28



- **Step 4:** Make sure that the skirt is level at the center of the bath and that it tucks behind the lip. Screw the apron to the base through the hole in the center of the apron (*see fig. 29*).

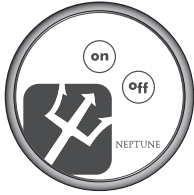
Fig. 29



- **Step 5:** Install the caps on the screws.

OPERATING INSTRUCTIONS

ON/OFF CONTROL



ACTION	PUMP	DISPLAY
1 st Touch	Pump starts	LED: ON
2 nd Touch	Pump stops	LED: OFF

MASS-AIR & ACTIV-AIR CONTROL



BOUTON	ACTION	BLOWER	DISPLAY
	1 st Touch	Blower turns on at max. The 20 minute run timer activates itself.	LED: ON
	2 nd Touch	Off	LED: OFF
	Touch and hold	Blower speed increases. Release pressure at the desired speed.	LED: ON, while button is depressed.
	Touch and hold	Blower speed decreases. Release pressure at the desired speed.	LED: ON, while button is pressed.
	1 st Touch	Wave cycle begins.	LED: ON
	2 nd Touch	Quick wave cycle begins.	LED: FLASHES, 2 sec. ON, 2 sec. OFF.
	3 rd Touch	Wave cycle off.	LED: OFF
<i>A 1-minute drying cycle will automatically be activated 20 minutes after the blower is stopped.</i>			LED: FLASHES until drying cycle has executed.



COMBO CONTROL



BUTTON	ACTION	BLOWER / PUMP	DISPLAY
	1 st Quick Touch	Blower turns on	LED: ON
	2 nd Quick Touch	Blower turns off	LED: OFF
	1 st Touch and hold	Blower speed decreases. Release pressure at the desired speed.	LED: ON, while button is pressed.
	2 nd Touch and hold	Blower speed increases. Release pressure at the desired speed.	LED: ON, while button is pressed.
	1 st Touch and hold, until LED goes off.	Whirlpool wave cycle begins.	LED: ON until pulsation cycle initiates. ON again after button is released.
	2 nd Touch and hold, until LED goes off.	Whirlpool fast wave cycle begins.	LED: ON until fast pulsation cycle initiates. FLASHES after button is released.
	1 st Touch	Pump starts	LED: ON
	2 nd Touch	Pump stops	LED: ON
A 1-minute drying cycle will automatically be activated 20 minutes after the blower is stopped.			LED: FLASHES until drying cycle has executed.

WHIRLPOOL: ADJUSTABLE JETS

Neptune whirlpool jets have two adjustable features, direction and flow. Direction is adjusted by simply moving the nozzle to point in the desired direction. Flow is adjusted by rotating the nozzle (*see fig. 30*) or the face plate for the Maxima jet. Turning the nozzle or face plate clockwise reduces flow and turning it counter-clockwise increases it.

WHIRLPOOL: AIR INDUCTION

Neptune's whirlpool system increases the massaging effect by drawing air into the jets. The amount of air that is drawn in is controlled by the air induction valves (*usually one per side, see fig. 31*). Turning the valve anti-clockwise opens it allowing more air to be drawn into the system, turning it counterclockwise reduces the effect. Air induction greatly increases the foaming effect of bath foams so care should be taken not to use too much when operating the whirlpool with the air valves open.

BACK-JETS: DIVERTER VALVE

(option)

Some Neptune baths that have the back-jet option are equipped with an optional diverter valve. This valve (*see fig. 32*), redirects flow from the main jets to the back-jets allowing you to balance the massage to the point where you enjoy it the most.

Fig. 30

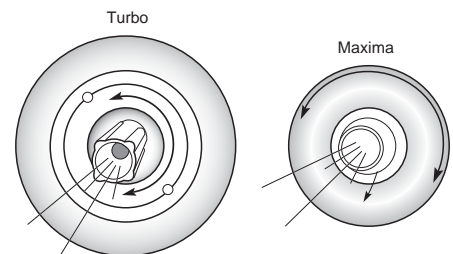


Fig. 31

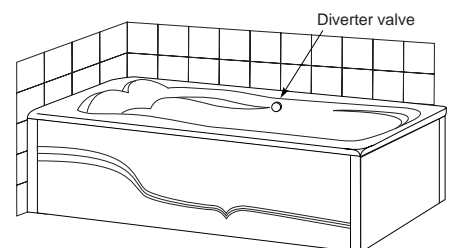
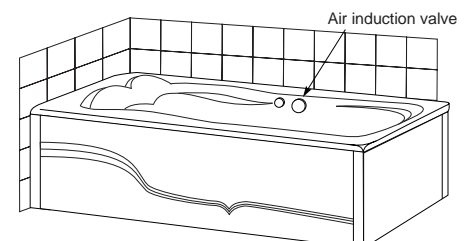


Fig. 32



MAINTENANCE

ROUTINE CLEANING

In order to protect the acrylic surface of your Neptune bath it should be cleaned only with a non-abrasive liquid bathroom cleaner such as liquid spic and span or a detergent formulated specifically for acrylic. NEVER USE ABRASIVE POWDER (VIM, AJAX etc.), PETROLEUM DISTILLATES OR OTHER STRONG SOLVENTS TO CLEAN THE SURFACE OF YOUR BATH.

MASS-AIR AND ACTIV-AIR SYSTEMS

If your Neptune bath is fitted with either a Mass-air or Activ-air therapeutic system most of the routine maintenance is eliminated by the fact that the electronic control module has a built-in automatic drying cycle. This cycle, that initiates 20 minutes after the blower has stopped, removes all remaining stagnant water from the air jets, return valves and piping thus keeping them dry. **If your bath is often used without activating the system, it should be momentarily activated so that the drying cycle will initiate.**

WHIRLPOOL MAINTENANCE

Neptune recommends that the following cleaning procedure be undertaken at least once per month.

1. Fill the bath with hot water 2 inches above the level of the jets.
2. Add 2-Cups of vinegar or 1/4 cup of dishwasher soap.
3. Run the whirlpool for approximately 5 minutes.
4. Let the bath soak for a 1/2 hour.
5. Run the whirlpool for another 5 minutes.
6. Drain the bath.
7. Rinse with cold water

STAINS

If you have a particularly resistant stain, you can use de-natured alcohol to try and remove it (de-natured alcohol is toxic, so always follow the safety instructions that come with it and wear rubber gloves).

LIGHT BULB REPLACEMENT

The mood lighting kit contains 2 tools specially designed for changing the light bulb.

- **Step 1:** The outer lens housing must be held in place with the "C" shaped tool (*see fig.33*) to prevent damage to the water-tight seal between the housing and the bath.
- **Step 2:** The inner lens can now be unfastened by rotating it counter-clockwise using the lens key (*see fig. 34*).
- **Step 3:** Remove the light bulb by pulling it out of its socket and insert a replacement bulb (12V No. 912).
- **Step 4:** Re-insert the inner lens making certain that the gasket ring is in place and that the lens housing does not rotate.

Fig. 33

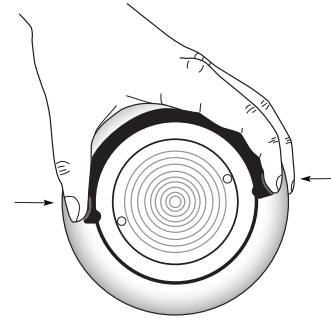
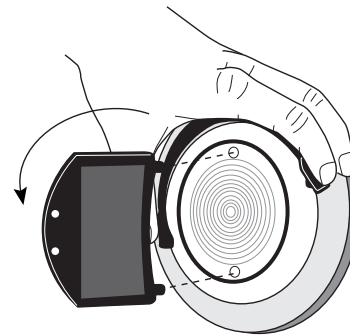


Fig. 34



REPAIRS

MINOR SCRATCH REPAIR

Small superficial scratches can usually be removed by using an automotive polishing compound such as Simoniz or Meguiar's mirror glaze.

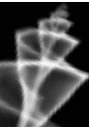
Deep scratches can be repaired following these steps:

1. Mark the scratch with a black marker, making certain that the ink gets into the scratch itself.
2. Sand the scratch and the area around it with 400-grit wet/dry sandpaper. Always use water as a lubricant while you are sanding.
3. Sand smoothly letting the sandpaper do the work until all traces of the black marker have been removed.
4. Make certain that you have sanded an area larger than the scratch, so that it blends into the surrounding acrylic.
5. Repeat steps 1 to 4 until you are certain that you have sanded to the bottom of the scratch.
6. Sand the area using progressively finer grits (600, 800, 1200, 2000) of wet/dry sandpaper and water as a lubricant until the repair area is smooth.
7. Finish your repair by polishing with an automotive polishing compound such as Simoniz or Meguiar's mirror glaze.

The entire operation should not take you more than 10 minutes.

MAJOR DAMAGE REPAIR

Major damage, including chips and cracks in your bath, can often be repaired by a qualified technician. Your Neptune dealer can put you in contact with such a qualified professional.





TROUBLESHOOTING

PROBLEM	SOLUTION
Water remains around the bath rim or drain.	Check that the installation is level and that the bath is sitting firmly on its feet. (Drain slope is built into the bath). Shim with adjustment wedges if necessary.
Bath bottom moves during use.	The bath is not sitting firmly on its feet. Shim with adjustment wedges or use the alternate mortar bed installation technique.
Bath moves relative to the walls during use.	The bath is not firmly supported under the rim. Check that 1"x2" supports contact the underside of the rim. Modify as necessary.
Protective plastic film will not come off.	Use a hair dryer to warm the plastic and the surface of the bath. NOTICE: RISK OF ELECTRICAL SHOCK. THIS SHOULD NOT BE ATTEMPTED WHEN THERE IS ANY WATER OR MOISTURE PRESENT.
Electronic control fails to operate	<ul style="list-style-type: none"> • Check the electrical power supply. Reset circuit or replace fuse if necessary. • Check Ground Fault Circuit Interrupter (GFCI). Reset if tripped. • If the system has been in operation for a long time it is possible that the thermal protection switch has shut off the motor. Turn off the system and wait 30 minutes for it to cool, then try again. • Check the connections between the electronic control pad and the control module or pump.
Motor will not stop/ only some functions on the electronic control pad are working.	<ul style="list-style-type: none"> • Shut off power to the bath at the breaker. Make certain that no water has infiltrated the control pad. Try drying the pad with a hair dryer. • Check for excessive humidity under your bath and around the control pad and control module. Allow it dry out and provide for adequate ventilation as necessary.
Excessive noise from blower or pump.	<ul style="list-style-type: none"> • Most of the noise from your Whirlpool, Mass-air or Activ-air system actually comes from the movement of the water. • Check that the blower is firmly secured. • Check that the pump is firmly in contact with the floor. Use adjustment shims and construction adhesive to secure as necessary. • Make certain that there are no obstructions close to the intake of the blower, and that it has an adequate supply of fresh air. • The bath can be insulated using bats of fiberglass around the tub. Make certain that you leave a 30cm (12") space around the pump or blower.
Blower runs but no air comes out through the jets.	<ul style="list-style-type: none"> • Check that the main air hose from the blower to the manifold is properly connected. Reconnect and tighten clamps as necessary.
Air outlets in jet heads are blocked.	<ul style="list-style-type: none"> • If the air outlets of a jet head are obstructed with soap or other residues, fill the tub with water and brush them gently with a toothbrush. Turn the system ON then OFF several times. • If the problem persists tap the jet heads with a spoon while the blower is running.
<p>The air heater seems not to be functioning.</p> <p><i>Note: The air heater is not designed to heat your bathwater, only to heat the incoming air to body temperature.</i></p>	<ul style="list-style-type: none"> • To verify operation of the air heater, fill the bath to working level. Turn on the blower and let it run for approximately 5 minutes. Carefully feel the flexible connection hose where it connects to the blower. The hose should feel warm to the touch. If not, contact your local distributor. • If your bath is installed against exterior walls, make certain that they are properly insulated to minimize heat loss. The air entering the blower should be at least 20°C. • Check that the blower is not drawing cold air from the basement or the space between the floors via the hole for the drain plumbing. Block the hole using either foam or fiberglass insulation. • People with sensitive-skins might experience a "cold air effect" caused by the sensation of the air bubbles running along the wet skin and giving the bather a shivering sensation. Simply move the body slightly away from the closest jet.
Bath light will not light	<ul style="list-style-type: none"> • Check light bulb and replace if necessary. (12V #912) • Check air hose connections from air switch to control module.

HYDRO-MASSAGE

INTRODUCTION

The sensation one feels when having ocean waves lap at one's feet is a sensation that has been felt and influenced the lives and well being of countless generations before ours. The warm light of the sun, a soft breeze tickling the skin, the sound of water rushing, the sweet scent of spring and the instant relief from the massaging of aching muscles are all sensations that stimulate the mind, body and soul.

The earliest records of deliberate stimulation through hydrotherapy, date back to the earliest Pharonic dynasties in ancient Egypt. Egyptian women took successive ritualistic daily baths using different essential oils that would stimulate their senses in different ways. The ancient Greeks had similar practices using seawater, they believed that the aromatic salts in sea water could cleanse the system of malignant tumors and revitalize the nerves.

These traditions were later adopted by the Romans, the Emperor Augustus is rumored to have taken seawater baths as preventative therapy against "heat disease." Aromatherapy, the use of essential oils, gained royal approval during the eighteenth century. Louis XVI was a known lover of baths and essential oils. From this era on, the scents that we use in our baths have consistently gained in potency and popularity. Men have been able to recognize hydrotherapy as a source of stimulation and vigor and many women are convinced that aromatic baths help them preserve their youth, their beauty and their smooth skin.

MODERN HYDRO-MASSAGE

Modern Hydro-massage has six main components: massage, temperature, scent, nutrient and lighting. The optional systems available for your Neptune bath were designed with these in mind.

MASSAGE

Massage is accomplished with the direct application of hydrostatic water pressure on the body. This is the forte of the Neptune Whirlpool system. Water is forced under pressure through adjustable jets situated around the bathtub. This high-pressure water acts upon the body, massaging the muscles and joints. Pressure helps to stimulate blood flow through the muscles, increasing flow by as much as three times. Because of this increased blood flow tired and aching muscles are relieved much faster than if they were simply left to rest.

TEMPERATURE

Water transfers heat (energy) much more rapidly than air. Most people are aware of this fact, an example of this phenomenon is that your champagne chills much more quickly in a bucket of ice water than in the freezer. The Neptune Mass-air and Activ-air systems were developed with this in mind. The blower/heater sends thousands of tiny air-bubbles streaming through the bath and onto the skin. Although the heated air is very close in temperature to the water, the air cannot transfer its heat to the skin as quickly as the water can causing the body to have the same physiological reaction as if it has been splashed with alternating warm and cold droplets. This temperature differential has many beneficial and therapeutic effects on the human body including the following: Cold at the surface of the body causes the blood to be forced into the deeper regions, particularly the skeletal muscles. The heart rate increases with the application of heat and decreases with the sense of cold.

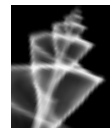
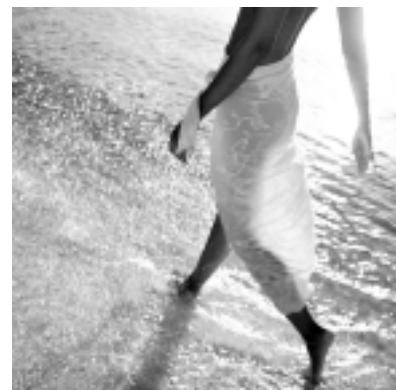
Although there is an immediate increase in blood pressure with change in temperature there is a later reaction that causes it to drop to a reduced level. Temperature stimulation will also cause the respiratory rate to increase, thus increasing the flow of oxygen to the blood and organs.

Temperature differentiation also has a toning effect on the skin and muscles as they contract in response to an increase or decrease in temperature, helping to tone and smooth.

| Relaxation |



| Pleasure |



The application of heat increases perspiration, thus helping the body to rid itself of toxins. Metabolism increases too, which aids digestion and makes one feel invigorated. Temperature also has profound effects on the nervous system. Repeated application increases the sensitivity of the coetaneous nerve endings and almost everyone has experienced pain relief through the application of heat and cold as well.

AROMATHERAPY

Aromatherapy is an integral part of hydro-massage, the Whirlpool, Mass-air and Activ-air systems available from Neptune baths are designed to exploit the volatility of essential and aromatic oils. The passage of air through the water generated by these systems carries these volatile oils into the surrounding air enhancing their effect.

Your daily bath will become a unique moment of relaxation when the pleasure of using your bath is combined with intoxicating scents. The stimulating effects of these oils can both activate your energy resources and invigorate your body, or relax and soothe tensions and ailments. Children can also benefit from aromatherapy, since using chamomile essence in the bath before bedtime relaxes the body and induces deeper sleep.

Essential oils are scented oils that are extracted from flowers, leaves, fruit, wood, herbs, seeds, roots and sap. They are the product of water vapor distillation, a process that allows them to retain the beneficial characteristics of each component. Real essential oils are 100% pure and they do not contain alcohol or artificial aromas.

NUTRIENT TRANSFER

Yet another element of hydro-massage involves the addition of sea salts to the bath water. Seawater contains many different salts and ions including calcium, magnesium and potassium. It is very similar to the elemental constituents of blood. This is beneficial because all living cells are nourished by osmosis, the passage of molecules through the outer membrane. The same is true for the skin. The addition of a small amount of sea salts into the bath water helps to replenish the natural salts that are lost through perspiration. A second benefit of the addition of sea salts is that it increases the water density helping to suspend the body in the water allowing the muscles relax.

CHROMATHERAPY

An increasing number of studies are confirming that the controlled use of light has a positive effect on your well being and quality of life. Each color has a particular effect on us: Red and amber are associated with warmth; blue and violet with cold; green is neutral. The Mood Lighting kit, available for your Neptune bath, can help you personalize your bath and round out your therapeutic system.

CONCLUSION

The benefits of hydro-massage are well documented. The Whirlpool, Mass-air, Activ-air and Mood Lighting systems available for Neptune baths have been designed to enhance these therapeutic effects. Neptune encourages you to explore the exciting world of hydro-massage and exploit the full potential of your new bath.

IMPORTANT INFORMATION TO SAFEGAURD

Note: Always keep your original bill of sale

Date of purchase: _____

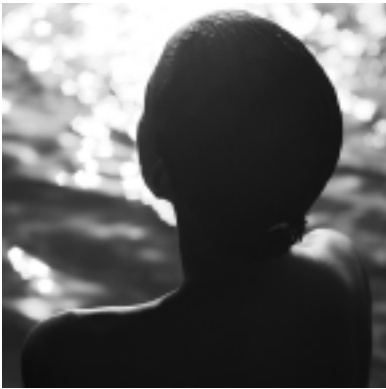
Name of retailer: _____

Description of bath: _____

Serial # (indicated underneath the bath): _____



| Natural |



| Mildness |

