

APOLLO 11 INSTALLATION INSTRUCTIONS

Make electrical connections **BEFORE** plumbing connections.

1. Turn **OFF** breaker to tub.
2. Remove cover from existing system and note voltages of all components below.
 - a. Pump1_____
 - b. Pump 2_____
 - c. Blower_____
 - d. Ozone_____
 - e. Light _____
 - f. Circulation Pump_____
3. Unpack system.
4. Review wiring diagram, located on inside cover.
5. Move white wires corresponding to the available equipment to the appropriate terminal 120V or 240V (see wire diagram on back of cover).

Note: Light receptacle is for either fiber optic lights or 12V lights use care in making these connections.

For 12V Lights the two pins in the middle are for the light, the outer pins **MUST NOT** be connected to the light. The Red wire should be connected to the terminal marked 12V light and the white wire should be connected to the terminal located next to the transformer fuse marked 12V light.

For Fiber Optic (F/O) Lights the Red and Black wires for the wheel and the light both connect to the F/O terminals as indicated on the wire diagram. Connect the white wire to the appropriate terminal for either 120V Light systems or 240V Light systems.

6. Connect the red heater wire to the appropriate terminal 120 or 240 (see wire diagram).
7. If the wiring for the spa is **not adequate for 50 amp** 240 volt operation, **disconnect the jumper wire** located next to the temperature sensors connection (see wire diagram on back of cover).

Jumping these terminals will allow heating in all circumstances. If the terminals are not jumped together the tub **will not** heat when either pump 1 is on high, pump 2 is on or the blower is on.

8. Practice depressing the spring terminal and inserting a wire into the terminals (see wire diagram).
9. Cut off the existing stripped part of the supply wire and re-strip them to 1/3" so that there are no stray strands.
10. Connect the supply wires to the new unit (see wire diagram on back of cover).
11. Bring the ground wire through the hole in the unit and secure the ground screw.

12. If there is not a neutral wire present switch the transformer voltage to 240 (down position),
(see wire diagram).
13. Position the unit and connect the heater to the existing plumbing. Check that heater lugs are tight.
14. Connect the equipment and bonding wires.
15. Remove old top side control.
16. Clean glue residue off fiber glass.
17. Test fit new top side control and cut fiber glass if necessary.
18. Remove red backing of new top side control and firmly press down on plastic outer edges only.

DO NOT Press on buttons or LCD display to secure top side control to the shell as this may damage the controller.

Temperature **MUST** be above 60 degrees F when applying top side control or it will not properly adhere. If temperature is below 60 degrees, warm top side control in your vehicle by placing it on your dash board and turning the heat on to the defrost setting before installing. Warm the area of the tub where the top side control will go with a blow dryer. **DO NOT** heat the top side control with a blow dryer.

19. Make sure the heater and pump are full of water and all gate valves are open.
20. Read the blue instruction cards.
21. Restore power to the tub, the system will begin the Start-Up system test.

If you notice that the water is not moving when the Pump comes on, or any other problem, ABORT THE START-UP by pressing and holding the “JETS 1” button until the display reads “TEST”. Once in the test mode: Press the temp. up button to Abort the start-up and enter into FTR Only mode. Press the temp down button to re-start the system. Press the Aux button to cycle the blower. Press the light button to see the temperatures from each sensor. Press the Jets 1 button to cycle pump 1. Press the Jets 2 button to cycle pump 2.

22. Verify the spa passes the self check and enters the filter cycle.