

# INSTRUCTION MANUAL



## SPA CONTROL TOUCHSCREEN VARIABLE FLOW SWIFT WATER TRAINER



**60 Amp Siemens GFCI Required for  
Variable Flow Swift Water Trainer**



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# **IMPORTANT SAFETY INSTRUCTIONS**

## **IMPORTANTES CONSIGNES DE SÉCURITÉ**

**Artesian Spas™ (May Manufacturing, LLC.) or any affiliates** are not responsible for any defects, failure or damage resulting from improper installation or use, abnormal environmental conditions, cellular signal reception or transmission, and/or viruses or other software problems introduced into this product or other products that are used or purchased products by the user.

**PLEASE TAKE THE TIME TO READ ALL OF THESE WARNINGS AND CAUTIONS PRIOR TO USING THE SPA.**

**PRIÈRE DE LIRE ATTENTIVEMENT TOUTES CES MISES EN GARDE AVANT D'UTILISER LE SPA.**

PLEASE be a responsible spa owner. When installing and using this spa, always adhere to basic safety precautions. Be sure to list emergency telephone numbers at the telephone nearest the spa, including physician, hospital, ambulance, police, and the fire department. Be certain to explain safety precautions to all new or occasional users of the spa. Remember, they may not be aware of the possible risks associated with the spa water temperature. Have at least one family member learn CPR (cardiopulmonary resuscitation).

**IT COULD SAVE A LIFE!**

VEUILLEZ agir de façon responsable en tant que propriétaire de spa. Lorsque vous installez et utilisez ce spa, veuillez prendre les précautions de sécurité de base en tout temps. Conservez près du spa une liste indiquant les numéros de téléphone d'urgence, notamment le médecin, l'hôpital, l'ambulance, la police et les pompiers. Veillez à expliquer les précautions de sécurité à tous ceux qui utilisent votre spa occasionnellement ou pour la première fois. Rappelez-vous qu'ils ne sont probablement pas au courant des risques inhérents à la température de l'eau du spa. Demandez à au moins un membre de la famille d'apprendre la réanimation cardiopulmonaire (RCP).

**CELA POURRAIT SAUVER UNE VIE!**

## READ AND FOLLOW ALL INSTRUCTIONS

1. **WARNING** – To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times. The appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
2. A wire connector is provided on this unit to connect a minimum 8 AWG (8.4 mm) solid copper conductor between this unit and any metal equipment, metal enclosures of electrical equipment, metal water pipe, or conduit within 5 feet (1.5 m) of the unit.

3. **For cord connected/convertible units:**

**DANGER – Risk of Injury**

- a) Replace damaged cord immediately.
  - b) Do not bury cord.
  - c) Connect to a grounded, grounding type receptacle only.
4. **DANGER – Risk of Accidental Drowning** – Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use this spa unless they are supervised at all times.
  5. **DANGER – Risk of Injury** - The suction fittings in this area are sized to match the specific water flow created by the pump. Should the need arise to replace the suction fittings or the pump, be sure the flow rates are compatible.

Never operate spa if the suction fittings are broken or missing. Never replace a suction fitting with one rated less than the flow rate marked on the original suction fitting.

6. **DANGER – Risk of Electrical Shock – Warning: Before obtaining access to terminals, all supply circuits must be disconnected.** Install at least 5 feet (1.5 m) from all metal surfaces. As an alternative, a spa may be within 5 feet of metal surfaces if each metal surface is permanently connected by a minimum 8 AWG (8.4 mm) solid copper conductor to the wire connector on the terminal box that is provided for this purpose.
7. **DANGER – Risk of Electric Shock** - Do not permit any electrical appliance such as a light, telephone, radio, or television, within 5 feet (1.5 m) of a spa. Parts containing live parts, except parts supplied with safety extra-low voltage not exceeding 12 V, must be inaccessible to a person in the bath. Parts incorporating electrical

components, except remote control devices, must be located or fixed so that they cannot fall into the bath.

**8. WARNING – To reduce the risk of injury:**

- a)** The water in a spa should never exceed 104°F (40°C). Water temperatures between 100°F (38°C) and 104°F (40°C) are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when spa use exceeds 10 minutes.
- b)** Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit spa water temperatures to 100°F (38°C).
- c)** Before entering a spa, the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature regulating devices varies.
- d)** The use of alcohol, drugs, or medication before or during spa use may lead to unconsciousness with the possibility of drowning.
- e)** Obese persons and persons with a history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using a spa.
- f)** Persons using medication should consult a physician before using a spa since some medication may induce drowsiness while other medication may affect heart rate, blood pressure, and circulation.

9. To ensure proper functionality and component longevity, individual Jet Pumps must not be cycled on and off more than one time every minute.

**SAVE THESE INSTRUCTIONS**

## LIRE ET ADHÉRER À TOUTES LES CONSIGNES

1. **MISE EN GARDE** – Pour réduire le risque de blessure, ne pas laisser les enfants utiliser ce produit sans supervision constante. L'appareil peut être utilisé par des enfants âgés de 8 ans et plus et des personnes ayant des capacités physiques, sensorielles ou mentales réduites ou un manque d'expérience et de connaissances s'ils ont reçu une supervision ou des instructions concernant l'utilisation de l'appareil de manière sécuritaire et comprennent les dangers inhérents. Les enfants ne doivent pas jouer avec l'appareil. Le nettoyage et l'entretien des utilisateurs ne doivent pas être effectués par des enfants sans surveillance.
2. Un raccordeur de fils est compris avec cet appareil afin de brancher un conducteur en cuivre massif d'au moins 8 AWG (8,4 mm) entre cet appareil et toute pièce d'équipement en métal, enveloppes métalliques d'équipement électrique, tuyau en métal ou canalisation à 5 pieds (1,5 m) ou moins de l'appareil.

3. Appareils convertibles/à cordon:

### **DANGER – Risque de blessure:**

- a) Remplacer sans tarder le cordon endommagé.
  - b) Ne pas enterrer le cordon.
  - c) Raccorder à une mise à la terre.
4. **DANGER – Risque de noyade accidentelle** – Faire preuve d'extrême prudence afin d'empêcher l'accès non autorisé aux enfants. Pour éviter tout accident, veiller à ce que les enfants ne puissent utiliser ce spa à moins d'être supervisés en tout temps.
  5. **DANGER – Risque de blessure** – La taille des raccords de succion est déterminée en fonction du débit d'eau spécifique de la pompe. Si les raccords de succion ou la pompe doivent être remplacés, veiller à ce que les débits d'eau soient compatibles.

Ne jamais faire fonctionner un spa si les raccords de succion sont endommagés ou manquants. Ne jamais remplacer un raccord de succion par un autre dont le débit d'eau est inférieur à celui indiqué sur le raccord de succion original.

6. **DANGER – Risque d'électrocution – Avertissement: Avant d'accéder aux bornes, tous les circuits d'alimentation doivent être déconnectés.** Installer à au moins 5 pieds (1,5 m) de toutes les surfaces en métal. Le spa peut également se trouver à moins de 5 pieds des surfaces en métal si chaque surface en métal est raccordée en permanence par un conducteur en cuivre massif d'au moins 8 AWG (8,4 mm) au raccordeur de fils du disjoncteur prévu à cette fin.

**7. DANGER – Risque d'électrocution** – Interdire tout appareil électrique tel qu'une lampe, un téléphone, une radio ou un téléviseur, à moins de 5 pieds (1,5 m) du spa. Les pièces contenant des pièces en direct, à l'exception des pièces fournies avec une tension extra-basse de sécurité ne dépassant pas 12 V, doivent être inaccessibles à une personne dans le bain. Les pièces incorporant des composants électriques, à l'exception des dispositifs de télécommande, doivent être situées ou fixées de sorte qu'elles ne puissent pas tomber dans le bain.

**8. MISE EN GARDE – Pour atténuer le risque de blessure:**

- a) La température de l'eau du spa ne doit jamais dépasser 40°C (104°F). L'eau dont la température varie entre 38°C (100°F) et 40°C (104°F) est jugée sécuritaire pour un adulte en bonne santé. Pour de jeunes enfants ou un usage d'une durée supérieure à 10 minutes, une température plus basse est conseillée.
  - b) Étant donné que l'eau très chaude peut causer des dommages au fœtus durant les premiers mois de la grossesse, les femmes enceintes qui utilisent le spa doivent limiter la température à 38°C (100°F).
  - c) Avant d'entrer dans le spa, l'utilisateur doit vérifier la température de l'eau.
  - d) La consommation d'alcool, de drogues ou de médicaments avant ou pendant l'utilisation du spa peut causer une perte de conscience entraînant la noyade.
  - e) Les personnes obèses ainsi que celles qui ont des problèmes cardiaques, une tension artérielle faible ou élevée, des problèmes de circulation sanguine, ou qui souffrent de diabète doivent consulter un médecin avant d'utiliser le spa.
  - f) Les personnes qui consomment des médicaments doivent consulter un médecin avant d'utiliser le spa, car certains médicaments peuvent favoriser la somnolence, et d'autres peuvent affecter le rythme cardiaque, la tension artérielle et la circulation sanguine.
9. Afin d'assurer le bon fonctionnement et longévité des composants, des pompes à Jet ne doit pas être recyclés et s'éteint plusieurs fois chaque minute.

## **CONSERVER CES CONSIGNES**



## Equipment Assemblies

An equipment assembly shall be additionally provided with the following important safety instructions

1. **WARNING** – Risk of Accidental Drowning. Extreme caution must be exercised to prevent unauthorized access by children to avoid accidents, ensure that children cannot use a spa or hot tub unless they are closely supervised at all times. The appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
2. **DANGER** – To reduce the risk of drowning from hair and body entrapment, install a suction fitting(s) with a marked flow rate that equals or exceeds the flow rate marked on the equipment assembly.
3. **DANGER** – To reduce the risk of injury, do not remove the suction fittings. Never operate a spa or hot tub if the suction fittings are broken or missing. Never replace a suction fitting with one rated less than the flow rate marked on the equipment assembly.
4. **WARNING** – Risk of Electric Shock. **Warning: Before obtaining access to terminals, all supply circuits must be disconnected.** Install at least 5 feet (1.5 m) from inside wall of hot tub or spa using nonmetallic plumbing.
5. **WARNING** – Risk of Electric Shock. Do not permit any electric appliance, such as a light, telephone, radio, or television, within 5 feet (1.5 m) of a spa or hot tub. Parts containing live parts, except parts supplied with safety extra-low voltage not exceeding 12 V, must be inaccessible to a person in the bath. Parts incorporating electrical components, except remote control devices, must be located or fixed so that they cannot fall into the bath.
6. **WARNING** – To reduce the risk of injury:
  - a) The water in a spa should never exceed 104°F (40°C). Water temperatures between 100°F (38°C) and 104°F (40°C) are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when spa use exceeds 10 minutes.
  - b) Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit spa water temperatures to 100°F (38°C).
  - c) Before entering a spa or hot tub, the user should measure the water temperature since the tolerance of water temperature regulating devices varies.
  - d) The use of alcohol, drugs or medication before or during spa or hot tub use may lead to unconsciousness with the possibility of drowning.

- e) Obese persons and persons with a history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using a spa.
- f) Persons using medication should consult a physician before using a spa or hot tub since some medication may induce drowsiness while other medication may affect heart rate, blood pressure, and circulation.


**7. For equipment assemblies with a gas heater:**

**WARNING** – Risk of suffocation. This equipment assembly uses a gas heater and is intended for outdoor use only unless proper ventilation can be provided for an indoor installation.

**8. For equipment assemblies with a blower:**

**WARNING** – Install blower no less than 1 foot (305 mm) above the maximum water level to prevent water from contacting electrical equipment.

**Marking for Equipment Assemblies**

 <b>WARNING</b>
<b>REDUCE THE RISK OF ELECTROCUTION</b> 1. Install at least 5 feet from water using non-metallic plumbing. 2. Do not install under spa skirt or within an enclosure that would restrict ventilation. 3. If blower is included, install at least 1 foot above maximum water level.
<b>REDUCE THE RISK OF CHILD DROWNING</b> 1. Supervise children at all times. 2. Attach spa cover after each use. 3. Install a suction guard with marked flow rate no less than 170 GPM to avoid hair and body entrapment.
<b>REDUCE THE RISK OF OVERHEATING</b> 1. Check with a doctor before use if pregnant, diabetic, in poor health, or under medical care. 2. Exit immediately if uncomfortable, dizzy or sleepy. Spa heat can cause hyperthermia and unconsciousness. 3. Spa heat in conjunction with alcohol, drugs, or medication can cause unconsciousness.
<b>WHEN PREGNANT</b> , soaking in hot water for long periods can harm your fetus. Measure water temperature before entering. 1. Do not enter spa if water is hotter than 100°F (38°C). 2. Do not stay in spa for longer than 10 minutes.

**SAVE THESE INSTRUCTIONS**

## MODES D'ASSEMBLAGE

Un mode d'assemblage doit également être fourni et comporter les consignes de sécurité suivantes:

1. **MISE EN GARDE** – Risque de noyade accidentelle. Faire preuve d'extrême prudence afin d'empêcher l'accès non autorisé aux enfants. Pour éviter tout accident, veiller à ce que les enfants ne puissent utiliser ce spa à moins d'être supervisés en tout temps. L'appareil peut être utilisé par des enfants âgés de 8 ans et plus et des personnes ayant des capacités physiques, sensorielles ou mentales réduites ou un manque d'expérience et de connaissances s'ils ont reçu une supervision ou des instructions concernant l'utilisation de l'appareil de manière sécuritaire et comprennent les dangers inhérents. Les enfants ne doivent pas jouer avec l'appareil. Le nettoyage et l'entretien des utilisateurs ne doivent pas être effectués par des enfants sans surveillance.
2. **DANGER** – Pour atténuer le risque de noyade causée par la succion du corps et des cheveux, installer un ou des raccords de succion dont le débit d'eau indiqué est égal ou supérieur à celui qui est indiqué sur l'équipement.
3. **DANGER** – Pour atténuer le risque de blessure, ne pas retirer les raccords de succion. Ne jamais faire fonctionner un spa si les raccords de succion sont endommagés ou manquants. Ne jamais remplacer un raccord de succion par un autre dont le débit d'eau est inférieur à celui indiqué sur l'équipement.
4. **MISE EN GARDE** – Risque d'électrocution. **Avertissement: Avant d'accéder aux bornes, tous les circuits d'alimentation doivent être déconnectés.** Installer au moins 5 pieds (1,5 m) de la paroi intérieure du spa avec de la tuyauterie non métallique.
5. **DANGER** – Risque d'électrocution. Ne pas laisser d'appareil électrique tel qu'une lampe, un téléphone, une radio ou un téléviseur, à moins de 5 pieds (1,5 m) du spa. Les pièces contenant des pièces en direct, à l'exception des pièces fournies avec une tension extra-basse de sécurité ne dépassant pas 12 V, doivent être inaccessibles à une personne dans le bain. Les pièces incorporant des composants électriques, à l'exception des dispositifs de télécommande, doivent être situées ou fixées de sorte qu'elles ne puissent pas tomber dans le bain.
6. **MISE EN GARDE** – Pour atténuer le risque de blessure:
  - a) La température de l'eau du spa ne doit jamais dépasser 40°C (104°F). L'eau dont la température varie entre 38°C (100°F) et 40°C (104°F) est jugée sécuritaire pour un adulte en bonne santé. Pour de jeunes enfants ou un usage d'une durée supérieure à 10 minutes, une température plus basse est conseillée.
  - b) Étant donné que l'eau très chaude peut causer des dommages au fœtus durant les premiers mois de la grossesse. Les femmes enceintes qui utilisent le spa doivent limiter la température à 38°C (100°F).
  - c) Avant d'entrer dans le spa, l'utilisateur doit vérifier la température de l'eau.

- d) La consommation d'alcool, de drogues ou de médicaments avant ou pendant l'utilisation du spa peut causer une perte de conscience entraînant la noyade.
- e) Les personnes obèses ainsi que celles qui ont des problèmes cardiaques, une tension artérielle faible ou élevée, des problèmes de circulation sanguine, ou qui souffrent de diabète doivent consulter un médecin avant d'utiliser le spa.
- f) Les personnes qui consomment des médicaments doivent consulter un médecin avant d'utiliser le spa, car certains médicaments peuvent favoriser la somnolence, et d'autres peuvent affecter le rythme cardiaque, la tension artérielle et la circulation sanguine.

## 7. Équipement comportant un chauffe-eau à gaz:


### IMPORTANTES CONSIGNES DE SÉCURITÉ

**MISE EN GARDE** – Risque de suffocation. Cet équipement comporte un chauffe-eau à gaz conçu pour un usage à l'extérieur seulement, à moins qu'une ventilation adéquate soit fournie pour une installation à l'intérieur.

## 8. Équipement comportant une soufflante

**MISE EN GARDE** – Installer une soufflante au moins 305 mm (1 pied) audessus du niveau de l'eau maximum pour empêcher l'eau d'éclabousser l'équipement électrique.

## Étiquette destinée aux modes d'assemblage

 <b>MISE EN GARDE</b>
<p><b>RÉDUIRE LE RISQUE D'ÉLECTROCUTION</b></p> <ol style="list-style-type: none"> <li>1. Installer à 5 pieds et plus de l'eau avec de la tuyauterie non métallique.</li> <li>2. Ne pas installer sous la plinthe du spa ou dans une enceinte qui limite la ventilation.</li> <li>3. Si un soufflante est comprise, installer celle-ci au moins 1 pied audessus du niveau <u>maximum de l'eau</u>.</li> </ol>
<p><b>RÉDUIRE LA RISQUE DE NOYADE D'UN ENFANT</b></p> <ol style="list-style-type: none"> <li>1. Superviser les enfants en tout temps.</li> <li>2. Remettre la couverture du spa en place après chaque utilisation.</li> <li>3. Poser un dispositif de protection contre la succion avec débit d'eau indiqué d'au moins 170</li> </ol>
<p><b>RÉDUIRE LE RISQUE DE SURCHAUFFE</b></p> <ol style="list-style-type: none"> <li>1. Consulter un médecin avant usage si vous êtes enceinte, éprouvez des problèmes de santé ou suivez des traitements médicaux.</li> <li>2. Quitter immédiatement le spa en cas d'inconfort, d'étourdissements ou de somnolence. La chaleur du spa peut causer de l'hyperthermie et la perte de conscience.</li> <li>3. La chaleur du spa jumelée à l'alcool, aux drogues ou aux médicaments peut causer la perte de</li> </ol>
<p><b>DURANT LA GROSSESSE</b>, le trempage prolongé peut nuire au fœtus. Vérifier la température de l'eau avant d'y entrer.</p> <ol style="list-style-type: none"> <li>1. Ne pas pénétrer dans le spa si la température de l'eau est supérieure à 38°C (100°F).</li> <li>2. Ne pas rester dans le spa pendant plus de 10 minutes.</li> </ol>

## CONSERVER CES CONSIGNES

## Audio Component Warnings

Spas equipped with the Audio system should follow these guidelines for safety:

1. **CAUTION** – Risk of Electrical Shock - Do not leave compartment door open.
2. **CAUTION** – Risk of Electrical Shock - Replace components only with identical components.
3. Do not operate the audio controls while inside the spa.
4. **WARNING – Prevent Electrocutation** - Do not connect any auxiliary components (for example cable, additional speakers, headphones, additional audio/video components, etc.) to the system.
5. These units are not provided with an outdoor antennae; when provided, it should be installed in accordance with Article 810 of the National Electrical Code, ANSI/NFPA 70.
6. Do not service this product yourself as opening or removing covers may cause exposure to dangerous voltage or other risk of injury. Refer all servicing to qualified service personnel.
7. When the power supply connections or power supply cord(s) are damaged: if water is entering the audio/video compartment or any electrical equipment compartment area; if the protective shields or barriers are showing signs of deterioration; or if there are signs of other potential damage to the unit, turn off the unit and refer servicing to qualified service personnel.
8. This unit should be subjected to periodic routine maintenance (for example, once every 3 months) to make sure that the unit is operating properly.

**KEEP THESE SAFETY INSTRUCTIONS IN A CONVENIENT AND READILY ACCESSIBLE LOCATION!**

**MISES EN GARDE SUR LES COMPOSANTES DU SYSTÈME DE SON** Les utilisateurs d'un spa doté d'un système de son doivent suivre ces consignes de sécurité:

1. **ATTENTION** – Risque d'électrocution – Ne pas laisser la porte du compartiment ouverte.
2. **ATTENTION** – Remplacer les composantes du système de son par des composantes identiques.
3. Ne pas utiliser les commandes audio lorsqu'on se trouve à l'intérieur du spa.
4. **MISE EN GARDE – Prévention du risque d'électrocution** – Ne pas raccorder les composantes auxiliaires (p. ex., câble, hautparleur supplémentaire, casque d'écoute, autres composantes audio/vidéo, etc.) au système.
5. Ces appareils ne comportent pas d'antenne extérieure; lorsque celle-ci est fournie, elle doit être installée conformément à l'article 810 du Code national de l'électricité, ANSI/NFPA 70.
6. Ne pas tenter de réparer le produit soi-même en ouvrant ou en retirant les couvercles, car cela peut exposer l'utilisateur à une tension dangereuse ou autre risque de blessure. Confier toute réparation à un technicien compétent.
7. Raccords d'alimentation ou les cordons d'alimentation endommagés: si l'eau pénètre dans le compartiment audio/vidéo ou tout compartiment de l'équipement électrique; si les écrans ou barrières de protection montrent des signes d'usure; ou si l'appareil semble endommagé, fermer l'appareil et appeler un technicien compétent.
8. Cet appareil doit être entretenu périodiquement (p. ex., tous les trois mois) pour s'assurer qu'il fonctionne adéquatement.

**PRIÈRE DE CONSERVER CES CONSIGNES DE SÉCURITÉ DANS UN LIEU PRATIQUE ET FACILE D'ACCÈS!**

## VGB 2008 - Important Safety Instructions

### WARNING!



Read and follow all instructions in this owner's manual and on the equipment. Failure to follow instructions can cause severe injury and/or death.

### WARNING – SUCTION ENTRAPMENT HAZARD



Suction in suction outlets and/or suction outlet covers which are damaged, broken, cracked, missing, or unsecured can cause severe injury and/or death due to the following entrapment hazards:

**Hair Entrapment:** Hair can become entangled in suction outlet cover.

**Limb Entrapment:** A limb inserted into an opening of a suction outlet sump or suction outlet cover that is damaged, broken, cracked, missing, or not securely attached can result in a mechanical bind or swelling of the limb.

**Body Suction Entrapment:** A negative pressure applied to a large portion of the body or limbs can result in an entrapment.

**Evisceration / Disembowelment Entrapment:** A negative pressure applied directly to the intestines through an unprotected suction outlet sump or suction outlet cover which is damaged, broken, cracked, missing, or unsecured can result in evisceration / disembowelment entrapment.

**Mechanical Entrapment:** There is potential for jewelry, swimsuit, hair decorations, finger, toe, or knuckle to be caught in an opening of a suction outlet cover resulting in mechanical entrapment.



Failure to remove pressure test plugs and/or plugs used in winterization of the pool/spa from the suction outlets can result in an increased potential for suction entrapment as described on the previous page.



Failure to keep suction outlet components clear of debris, such as leaves, dirt, hair, paper and other material, can result in an increased potential for suction entrapment as described above.



Suction outlet components have a finite life. The cover/grate should be inspected frequently and replaced at least every seven years, or if found to be damaged, broken, cracked, missing, or not securely attached.



If the fitting is missing or broken, replace with a fitting of equivalent rating or higher. Use of a lower rated suction fitting could result in entrapment of the body which could result in serious injury including drowning.



Do not use or operate pool, spa, or hot tub if suction fittings are missing, broken or not secured per instructions. The suction fitting is intended to prevent entrapment of the body. Use of the spa hot tub with a missing, broken or improperly secured suction grate may result in serious personal injury including drowning.



When the pool, spa or hot tub is in operation, suction is created at this fitting. Users of the spa or hot tub must be instructed not to come in contact with this fitting in such a way as to block its orifice. If a user of the spa or hot tub blocks this fitting with his/her body, serious personal injury or drowning may occur.



In order to remove the suction cover (for service or winterization), using a Phillips-head screw driver remove the screws. Inspect both the suction cover and suction fitting for any cracks or damages.



It is imperative to securely attach the suction cover to the wall fittings (use only the original supplied screws or obtain original replacements). Do not over tighten the screws. Inspection of fasteners and observation for damaged/tampered with suction fittings is required.



Any and all broken or missing parts must be replaced prior to starting spa or pool pump. Never operate spa or pool without drain cover in place and properly affixed, death or serious injury can result.



Do not exceed the safe flow rate. Do not increase flow through system by increasing pump size or horsepower.




Do not allow children to sit, play or interact with main drains or suction outlet.




## OPERATION



## PRIMING MODE

When power is first turned ON, the system will enter a Priming Mode with priming message on the panel. In this mode, all devices such as JETS or LIGHT are operable. JETS can be turned on and off to prime the pump. System will exit priming mode and go to MAIN display when RETURN  button is pushed, or after 4 minutes of inactivity.



## SPA OPERATION

Turn system accessories ON and OFF by pushing appropriate button on the left side of panel (LIGHT, JET 1, JET 2, etc.). These accessories have timeout defaults from the manufacturer and will turn OFF automatically after the time has expired. Timeout time for LIGHT default is 60 minutes; JET at low speed default is 60 minutes; and JET at high speed is 15 minutes. User can change these default times in “DEVICE TIMEOUT” setting menu under General Settings. 

## SETTING TEMPERATURE

To change water set temperature, push smaller temperature number under the “Spa Set Temperature” and scroll up or down to desired temperature. Push SELECT button to choose temperature or EXIT to return to Main Screen. Changing set temperature will make Heater Pump turn on to get accurate water temperature to determine if water needs to be heated up. The pool water temperature is displayed with the larger font above the Spa Set Temperature.

## HEATER

When Heater Pump turns on HEATER START-UP icon  will appear if heat is needed. Heater will turn on and HEATER icon  will appear after 5 minutes.

## PANEL TIMEOUT

If user is in Setting Menus and no button is pushed within 30 seconds, the screen will timeout, current screen setting will be lost and panel reverts back to Main Screen. In Main Screen, if no button is pushed within 60 minutes, all LED and LCD lights will turn off and panel will go to sleep. Any button pushed in this time will wake the panel up, LED and LCD lights will turn back on and panel will poll for water temperature.

## MENU NAVIGATION

- To enter settings, swipe from right to left from Main Screen.
- To return to Main Screen from settings, swipe from left to right.















## MAIN SCREEN CONTROL

The Main Screen displays current time, water temperature, spa setting temperature, and status of the system accessories in the center of the screen. To change spa set temperature, press the spa set temperature number. Select the appropriate temperature level and press SAVE to save the desired setting or EXIT to reverse back to the last setting without saving the setting. For configurations for Swim Spa and Therapy, turn ON/OFF Swim mode or Therapy mode. Instead of current temperature display, it will display the current speed/therapy number. In this case, press the number to change the swim speed/therapy number. Select the appropriate speed/therapy number and press SAVE to save the desired setting or EXIT to reverse back to the last setting without saving the setting. See **Main Screen Control and Status Icons** on page 19.



Figure 1. Main Screen

## MAIN SCREEN CONTROL ICONS

	LIGHT - ON		LIGHT - OFF
	JET 1 HIGH - ON		JET 1 - OFF
	JET 2 HIGH - ON		JET 2 - OFF
	JET 3 HIGH - ON		JET 3 - OFF
	JET 4 HIGH - ON		JET 4 - OFF
	JET 5 HIGH - ON		JET 5 - OFF
	JET 6 HIGH - ON		JET 6 - OFF
	JET 1 LOW - ON		
	JET 2 LOW - ON		
	JET 3 LOW - ON		
	JET 4 LOW - ON		
	SWIM - ON*		SWIM - OFF*
	WORKOUT - ON*		WORKOUT - OFF*
	BLOWER - ON		BLOWER - OFF
	THERAPY - ON*		THERAPY - OFF*
	OPTION - ON		OPTION - OFF

## STATUS ICONS















	FILTER CYCLE 1 - ON
	FILTER CYCLE 2 - ON
	FILTER CYCLE 3 - ON
	FILTER CYCLE 4 - ON
	POLLING
	ENERGY SAVING MODE
	VACATION MODE
	HEAT CHECKING
	HEATER - ON
	SPECIAL TEMP ALERT - ON
	CIRC PUMP - ON
	CLEANER CYCLE - ON
	OZONE - ON
	ELECTRONIC VALVE - INDICATOR

Figure 2. Main Screen Control and Status Icons

The left column of the screen shows all device function buttons available for the current configuration. This column scrolls up and down to show more buttons if necessary. Turn system accessories ON and OFF by pushing appropriate button on the left column of panel (LIGHT, JET 1, JET 2, etc.). These accessories have timeout defaults from the manufacturer and will turn OFF automatically after the time has expired. Timeout time for LIGHT default is 60 minutes; JET at low speed default is 60 minutes; and JET at high speed is 15 minutes. User can change these default times in DEVICE TIMEOUT setting menu.

The right column of the screen controls the following functions:



**BRIGHTNESS:** Press this button to enter brightness screen setting. Select the appropriate brightness level and press SAVE to save the desired setting or EXIT to reverse back to the last setting without saving the setting.



**INTERNET RADIO:**

- Press this button to open the selected radio application.
- Press and hold this button, a menu will pop up to allow user to select their radio station.
- Users will be allowed to select between Pandora, Spotify®, iHeartRadio, and Internet Radio.
- When selected, the app's icon will replace the Internet Radio icon.

**\*You may be required to create an account.**



**YOUTUBE:** Press this button to open YouTube application.



**INTERNET:** Press this button to open Internet application.





**MUSIC:** Press this button to open music application.



**CLEAR:** This icon will show up in the BRIGHTNESS position whenever there is a message display in the time display field. Press this button to clear the message and return to normal display.



**MENU NAVIGATION:** Swipe Main Screen from right to left to go to Setting Screen. In Setting Screen, swipe from left to right, to return to Main Screen. To change the setting, press the appropriate setting functions to get into the sub-menu and change the setting.

After changing the setting, press **SAVE** button, to save the setting. Press **RETURN** button to go back to the previous screen.



Press **HOME** button to go back to the Main screen.

## SETTING SCREENS



Figure 3. Settings Screen



**GENERAL SETTINGS:** This will allow user to change the following settings:

**DEGREE F/C:** Displays spa temperature in Celsius or Fahrenheit. This option is only available for 60 Hz countries.

**TIME DISPLAY:** Displays spa time in AM/PM or 24 hour time.

**LANGUAGE:** To select various languages for the spa display.

**DEVICE TIMEOUT:** Allows changes to timeout setting for various devices.

**WATER TEMPERATURE CHECK TIME:** Sets time for the Heater Pump to turn on to check for water temperature. This is only available for Non-Circs configurations.



**DATE-TIME SETTING:** Sets the date and time of the system.



**HEAT MODE SETTING:** Sets the system heat mode to Standard; Energy Saving; or Vacation mode.



**PANEL LOCK SETTING:** Provides various choices to lock the panel. If

one of the Lock Modes is selected, the main panel will display the selected Lock Mode instead of “Spa Set Temperature”. To unlock the panel enter “1805” to the pop-up panel Lock screen.



**TIMERS SETTING:** This will allow user to set the following timers:

**NO HEATING TIME:** Sets the time frame for NOT allowing heater to turn on for saving energy cost.

**FILTER CYCLE 1 TIME:** sets the time frame to turn on Filter Cycle number 1.

**FILTER CYCLE 2 TIME:** sets the time frame to turn on Filter Cycle number 2.

**FILTER CYCLE 3 TIME:** sets the time frame to turn on Filter Cycle number 3.

**FILTER CYCLE 4 TIME:** sets the time frame to turn on Filter Cycle number 4.

**QUIET TIME:** Sets the time for NOT allowing pump to turn on to check for water temperature during the night or other desired periods. Note that this setting will not stop Filter Cycle setting if it overlaps with this time. This is only available for Non-Circs configurations.

**OPTION TIME:** Sets the time frame to turn on Option device. This is only available for configurations with Option device.

**\*SWIM WORKOUT TIME:** Sets the time period for each of the swim speeds in Swim Workout mode.

\*For specific Swim applications only, not available on all systems.

## ADDITIONAL FEATURES



**BACKGROUND SETTING:** Allows user to set one of the 6 backgrounds for the spa application.



**CLEANER CYCLE SETTING:** Starts the additional filtration period after using the spa. Only available for Non-Circs configurations.



**GENERAL INFORMATION:** Displays General Information for the spa.



**SPECIAL TEMPERATURE SELECTION:** This function is disabled.



**SERENITY MODE:** Start/Stop a Serenity Mode by turning off all outputs and provides quiet time while in the spa.



**DEMO MODE:** Starts Demo Mode to demonstrate all device capabilities of the spa.



**SERVICE MODE:** Available only for Authorized Dealers and Spa Manufacturer.



**SYSTEM SETTING:** Allows various system settings such as Wi-Fi connection; Bluetooth connection; font size.



**MOBILE APP DEVICE REGISTRATION:** Allows registration of the system so user can operate with the Spa Mobile App.




## WI-FI, PLAY STORE AND OTHER APPS


When in the System Settings screen  the following screen will appear.




When in this screen, make sure that the Wi-Fi is turned to the on position. If not, tap the on button to turn it on.



Press the  back button to return to the Swim controls.

Press the  home button to go to the Applications screen.



Press the  Applications button to go to the Apps screen.

On this screen, scroll up and down to see all the applications that are on your device.



Scroll to the Google Play Store app to download other applications.

**\*There is only a limited amount of free space on your device. Downloading large apps or too many apps may cause your device to malfunction or not work properly.**



On the Applications page, press the Waterway app to return to Swim controls.

## **ERROR SCREENS** (Press RETURN to clear.)

**PLUMBING ERROR:** Error caused when SENSOR 1 and SENSOR 3 have been plugged in incorrectly.

**SENSOR 1 OPEN:** Swap the SENSOR 1 and SENSOR 3 plug in controller to correct this problem. Check SENSOR 1 connection.

**INSUFFICIENT FLOW:** Error caused by no water flow through heater or no water in heater.

**SENSOR 1 SHORT:** Check to be sure there is enough water flow through heater. Check SENSOR 1 connection or replace SENSOR 1.

**LOW FLOW:** Check to be sure there is enough water flow through heater.

**SENSOR 2 OPEN:** Check SENSOR 2 connection.

**WATER OVERHEAT:** Wait for water temperature to cool down.

**SENSOR 2 SHORT:** Check SENSOR 2 connection or replace SENSOR 2.

**HEATER OVERHEAT:** Wait for water temperature to cool down.

**SENSOR 3 OPEN:** Check to be sure there is enough water flow through heater. Check SENSOR 3 connection.

**POTENTIAL FREEZE:** Error caused when SENSOR 1, 2, or 3 detects low temperature. All JETS will turn on automatically to protect plumbing from freezing. JETS will shut down when all 3 sensors reach a desired temperature.

**SENSOR 1 SHORT:** Check SENSOR 3 connection or replace SENSOR 3.

## WARRANTY

**For Warranty, Registration cards, and other important information, please see the TidalFit Owner's Manual.**

For product registration visit: [www.Tidalfit.com](http://www.Tidalfit.com).

For warranty questions or claims please contact the dealer where pool was purchased.



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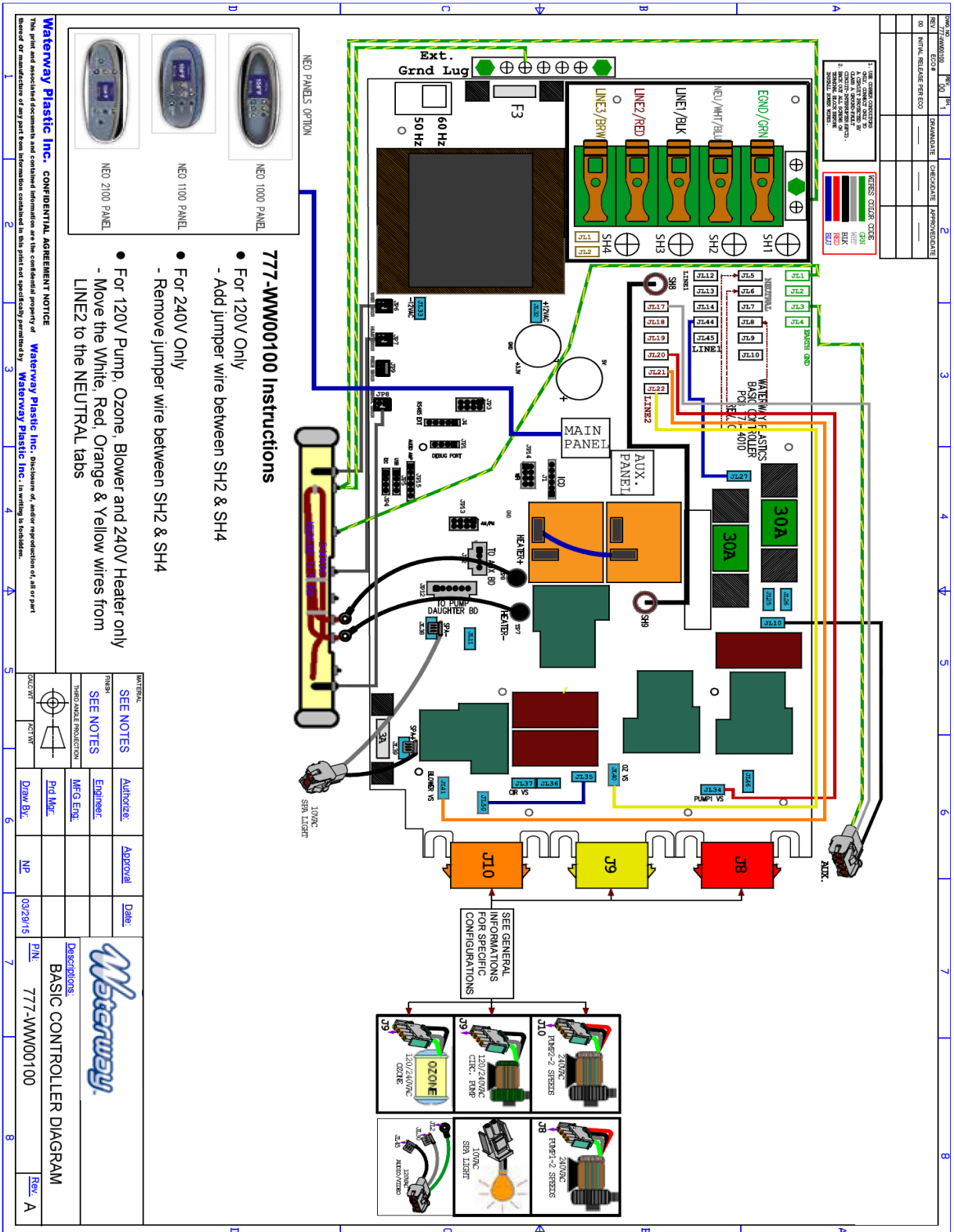


Figure 4. Wiring Diagram 777-WW00400-A without Daughter Board for 60 Hz

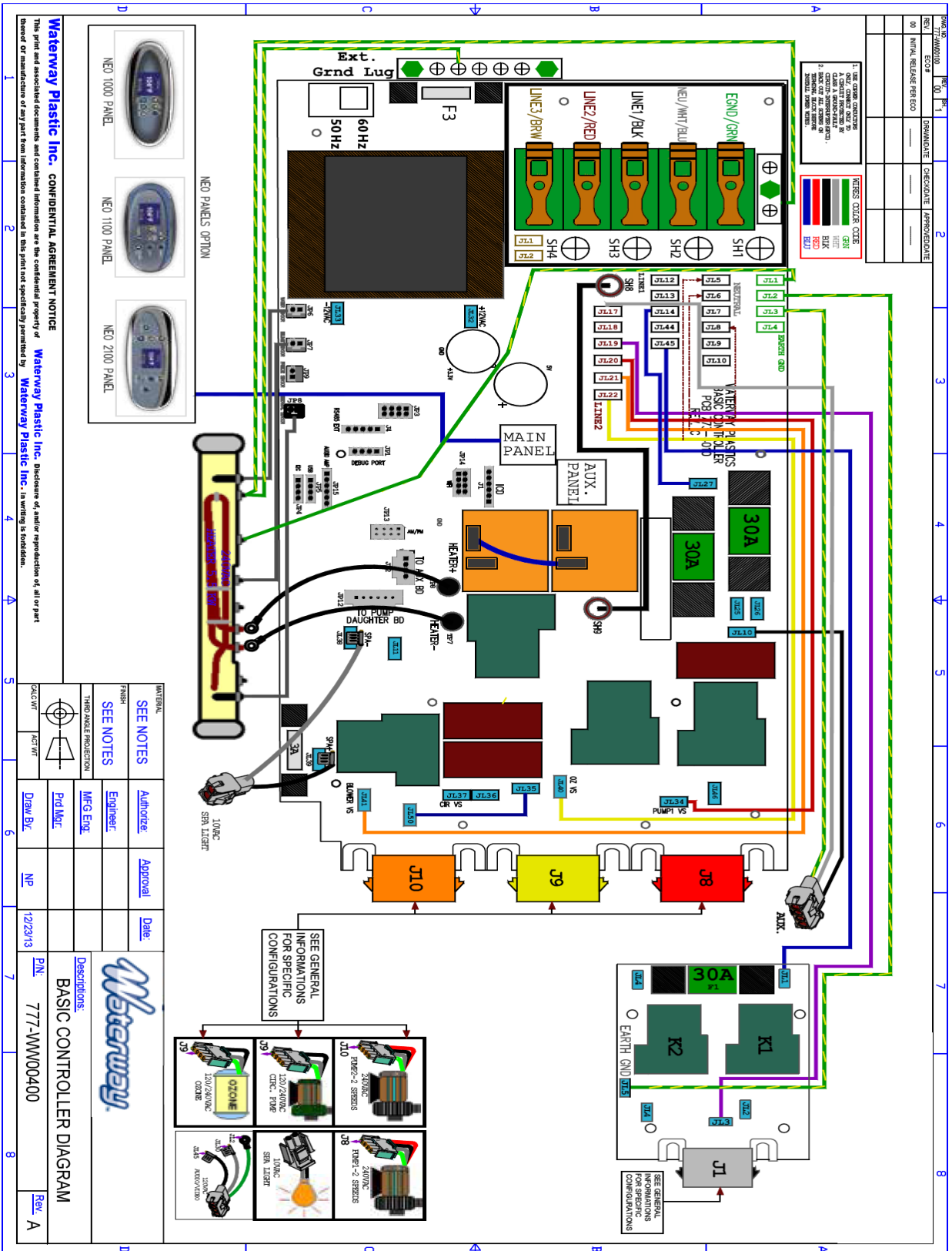


Figure 5. Wiring Diagram 777-WW00400-A with DB1 2SPD Daughter Board for 60 Hz

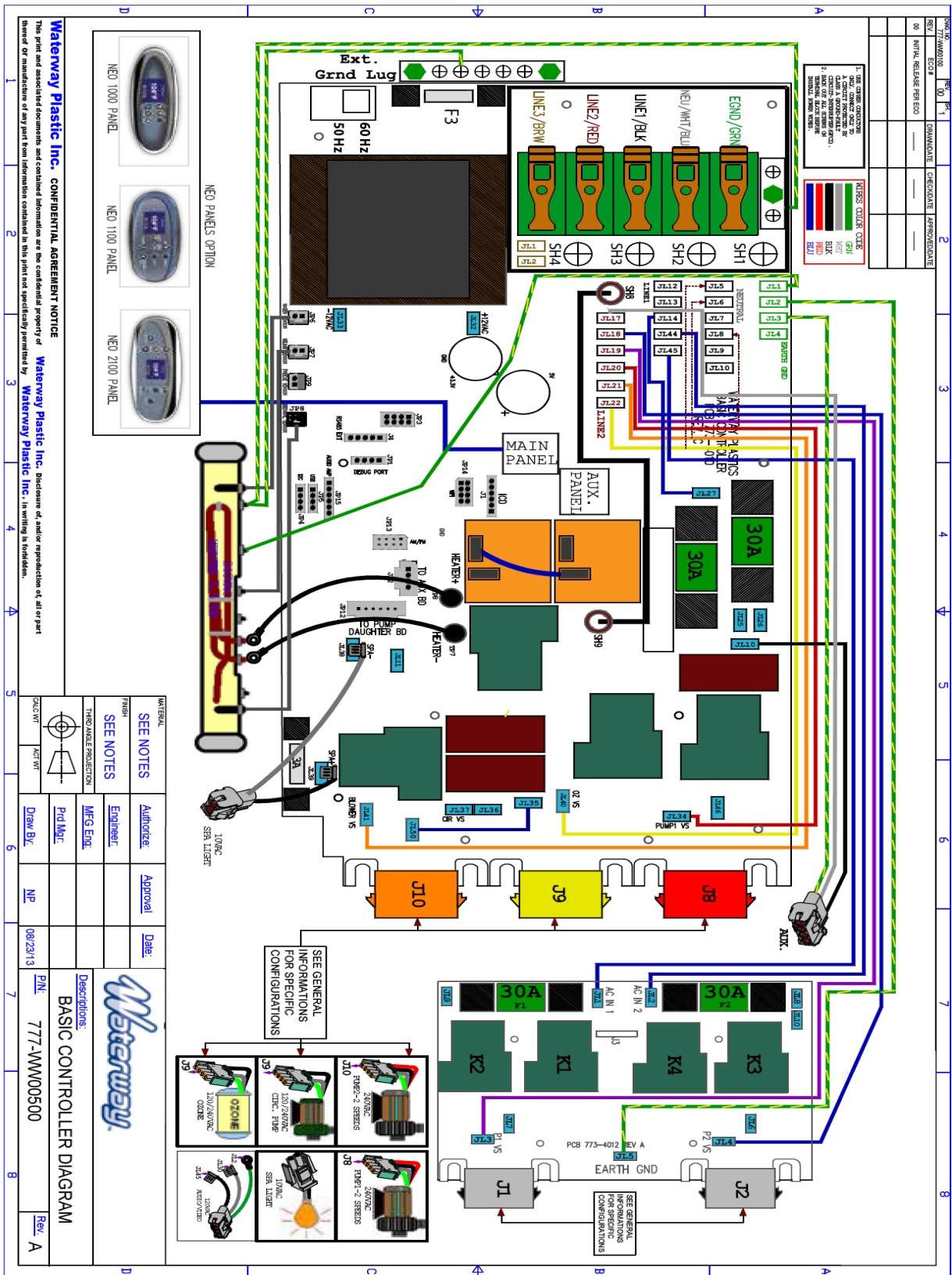


Figure 6. Wiring Diagram 777-WW00500-A with DB2 2SPD Daughter Board for 60 Hz

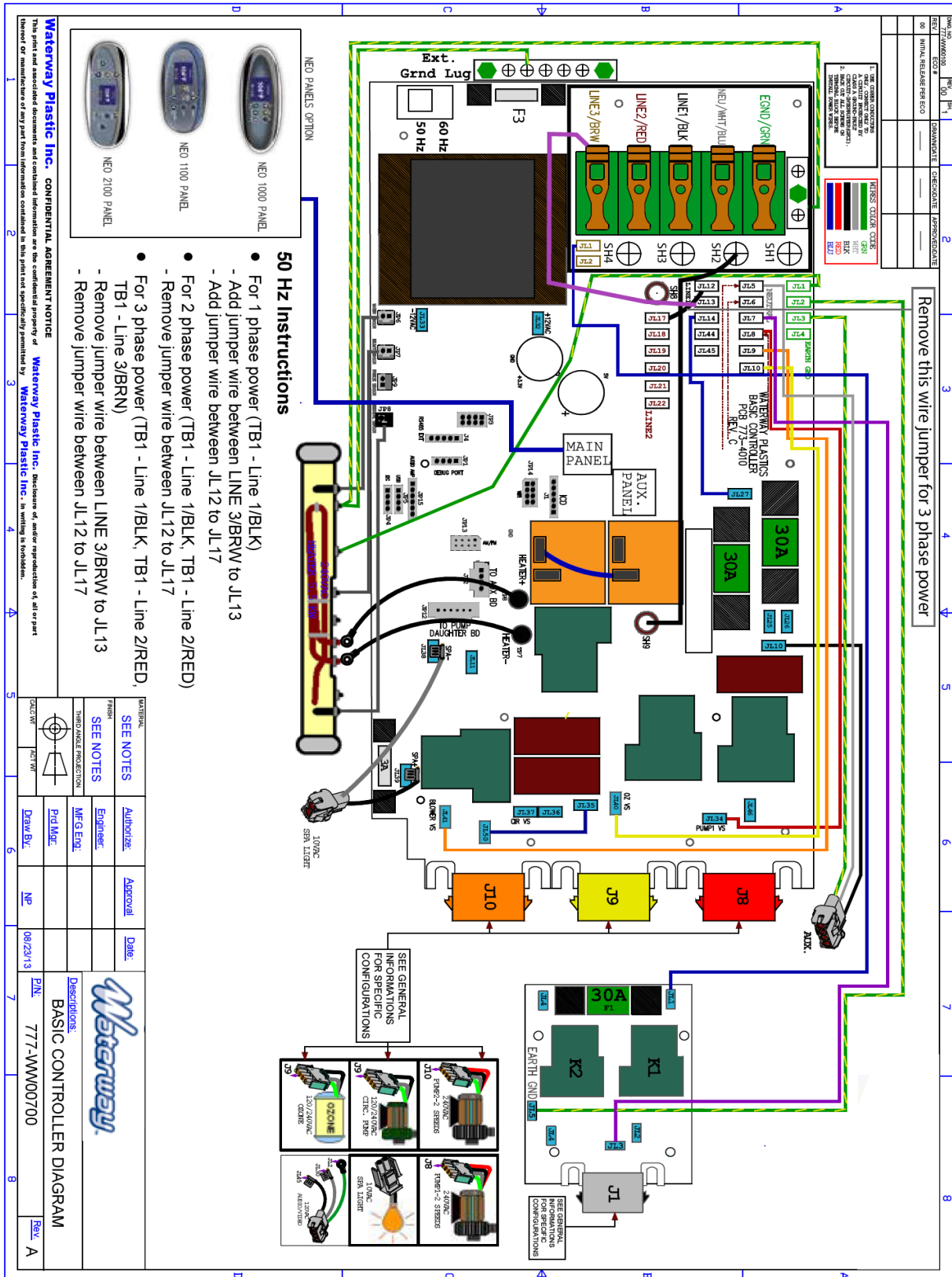


Figure 7. Wiring Diagram 777-WW00700-A with DB1 1SPD Daughter Board for 50 Hz

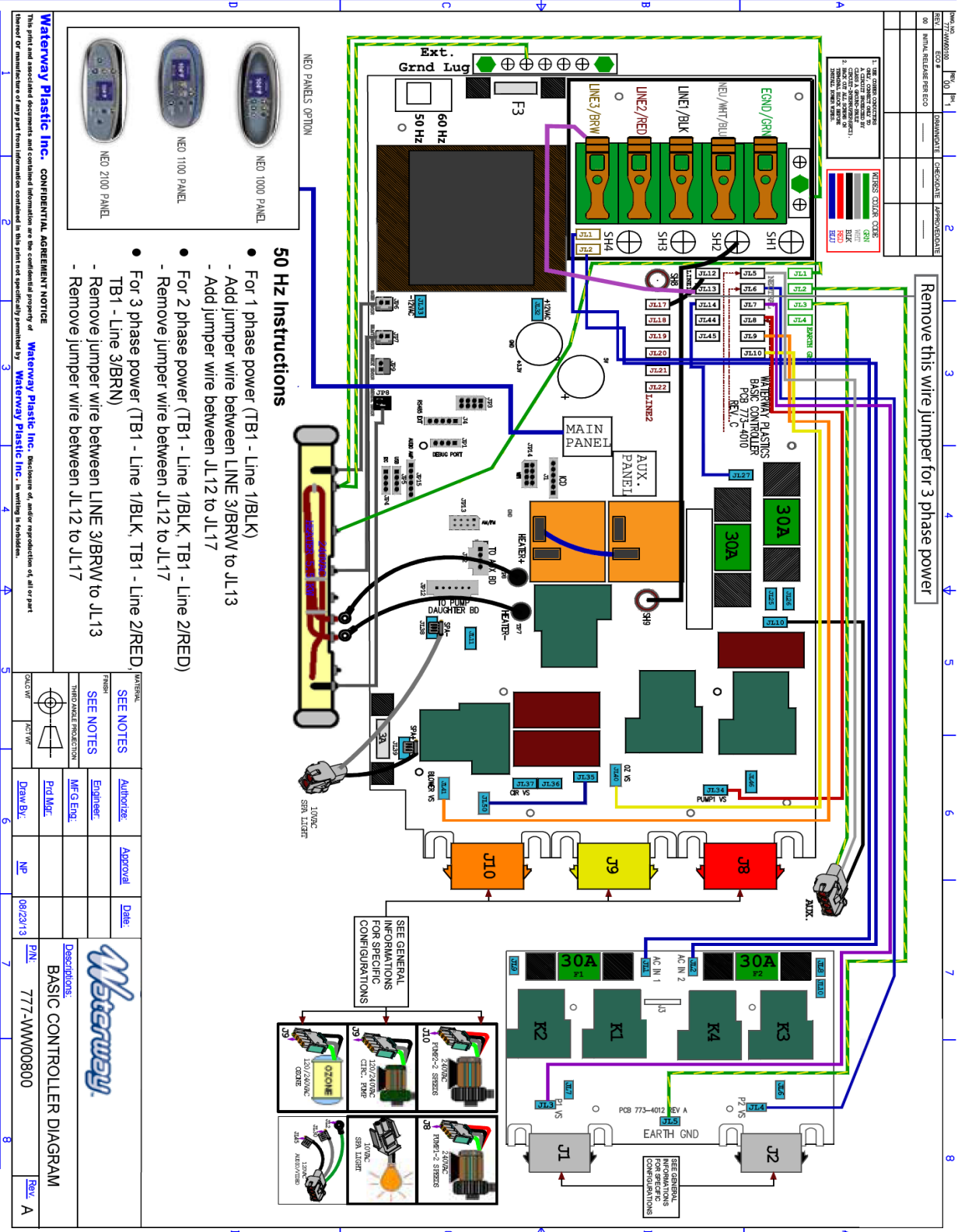


Figure 8. Wiring Diagram 777-WW00800-A with DB2 2SPD Daughter Board for 50 Hz







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