

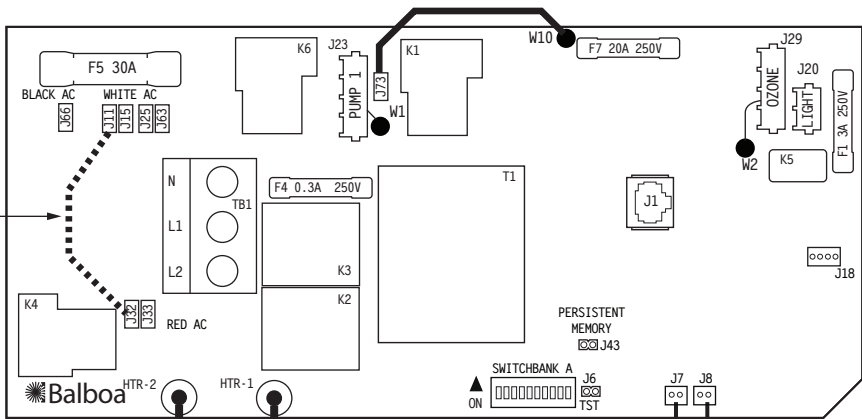
SpaGuts.com™ VS300FC5 - PN 56757

new guts for old spas

04-29-15

CONNECT ONLY TO CIRCUITS PROTECTED BY A CLASS A GFCI.

A DISCONNECTING MEANS MUST BE INSTALLED WITHIN SIGHT FROM THE EQUIPMENT AND AT LEAST 5 FEET (1.52 M) FROM THE INSIDE WALLS OF THE POOL, SPA, OR HOT TUB.



USE COPPER CONDUCTORS ONLY. EMPLOYER UNIQUEMENT DES CONDUCTEURS DE CUIVRE. #6 AWG MIN. WIRE= 90°
FOR SUPPLY CONNECTIONS, USE CONDUCTORS SIZED ON THE BASIS OF 60°C AMPACITY BUT RATED MINIMUM OF 90°C.

TORQUE RANGE FOR MAIN TERMINAL BLOCK: 27-30 IN. LBS.

SWITCHBANK A OFF (DOWN)

| | | |
|--------------------------|--------|-----------------------------|
| TEST MODE OFF | ◀ A1 | TEST MODE ON |
| UNUSED/JET/TEMP/LIGHT | A2 ▶ | JET/LIGHT/TEMP DOWN/TEMP UP |
| LTDUP OR DIGDUP PANEL | A3 ▶ | MINI PANEL |
| MUST BE OFF | ◀ A4 | N / A |
| SEE PUMP 1 TIMEOUT TABLE | ◀ A5 | SEE PUMP 1 TIMEOUT TABLE |
| 60HZ | ◀ A6 | 50HZ |
| STD/ECN/SLEEP MODE | ◀ A7 | STANDARD MODE ONLY |
| DEGREES F | ◀ A8 | DEGREES C |
| SEE PUMP 1 TIMEOUT TABLE | ◀ A9 | SEE PUMP 1 TIMEOUT TABLE |
| HIGH AMP MODE | A10* ▶ | LOW AMP MODE |

ALL UNUSED SWITCHES SHOULD BE OFF

PUMP 1 TIMEOUTS

| LOW-SPEED | HIGH-SPEED | A5 | A9 |
|------------|------------|-----|-----|
| 2 HOURS | 15 MINUTES | OFF | OFF |
| 2 HOURS | 30 MINUTES | ON | OFF |
| 15 MINUTES | 15 MINUTES | OFF | ON |
| 30 MINUTES | 30 MINUTES | ON | ON |

SETUP 2 (OPTIONAL - 240V PUMP AND OZONE)

| LOCATION | DEVICE | VOLTS | AMPS | FROM | TO |
|----------|----------|-------|-------|----------|---------|
| J23 | 2 SPD P1 | 240V | 12A | W1 | RED AC |
| J29 | OZONE | 240V | 1A | W2 | RED AC |
| J20 | LIGHT | 12V | 12W | | |
| HTR | HEATER | 240V* | 5.5kW | HTR TERM | HTR 1/2 |

| | | |
|---------------|--------|--------------|
| HIGH AMP MODE | ◀ A10* | LOW AMP MODE |
|---------------|--------|--------------|

TOTAL OUTPUT AMP DRAW NOT TO EXCEED MAX INPUT RATING OF SPA USE EARTH GROUND CONNECTIONS AS INDICATED INSIDE THE SYSTEM ENCLOSURE

SETUP 1 (TYPICAL - 120V PUMP AND OZONE)

| LOCATION | DEVICE | VOLTS | AMPS | FROM | TO |
|----------|----------|-------|-------|----------|----------|
| J23 | 2 SPD P1 | 120V | 15A | W1 | WHITE AC |
| J29 | OZONE | 120V | 1A | W2 | WHITE AC |
| J20 | LIGHT | 12V | 12W | | |
| HTR | HEATER | 240V | 5.5kW | HTR TERM | HTR 1/2 |
| JUMPER | HEATER | 120V* | 1.4kW | WHITE AC | RED AC |

| | | |
|---------------|--------|--------------|
| HIGH AMP MODE | A10* ▶ | LOW AMP MODE |
|---------------|--------|--------------|

* DIP SWITCH A10 MUST BE ON (UP) WHEN THE HEATER IS RUNNING AT 120VAC.

TORQUE RANGE FOR HEATER CONNECTIONS: 30 TO 35 IN. LBS.

5.5 kW HEATER (APPROX. 1.4kW @ 120V)

JUMPER INSTALLED FOR 120V SYSTEM/HEATER. REMOVE FOR 240V HEATER CONVERSION WITH LINE 2 (RED) INSTALLED. PUMP AND OZONE MUST REMAIN 120VAC.

120V TO 240V HEATER CONVERSION INSTRUCTIONS:

1. CONVERSION MUST BE PERFORMED BY A QUALIFIED, LICENSED ELECTRICIAN.
2. DISCONNECT FROM POWER AND REMOVE POWER CORD.
3. REMOVE WHITE JUMPER WIRE BETWEEN RED AC & WHITE AC.
4. INSTALL LINE 1, LINE 2 AND NEUTRAL TO TB1 TERMINAL BLOCK.
5. SET DIP SWITCH A10 TO OFF (DOWN) WITH A 40A SERVICE.