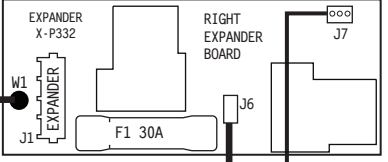


TP (MAIN) PANELS  
J34 OR J35

AUX  
J5 (A1-A4)  
OR  
J8 (A5-A8)

LOCATION	DEVICE	VOLTS	AMPS	FROM	TO	FROM	TO
J1 ON RT EXPANDER	2 SPD* PUMP 3	240V	12A† MAX	W1 ON EXPANDER	GROUP 2 J1	J6 ON EXPANDER	GROUP 3 J53



† WHEN USING SPLITTER WITH EXPANDER BOARD BOTH OUTPUTS NEED TO ADD UP TO 20A MAX.

- \*EXPANDER BOARD IS:
- 2-SPEED PUMP 3 IN SETUPS 1, 7
  - 1-SPEED PUMP 3 (ONLY) IN SETUPS 2, 6, 8, 13, 14
  - 1-SPEED PUMP 3 AND 1-SPEED BLOWER (WITH SPLITTER & IN-LINE FUSE) IN SETUPS 15, 16
  - 1-SPEED PUMP 2 AND 1-SPEED PUMP 3 IN SETUPS 5, 11, 12
  - 2-SPEED PUMP 2 IN SETUPS 3, 9
  - UNUSED IN SETUPS 4, 10
  - 1-SPEED PUMP 2 IN SETUPS 17, 18

- \*\*J14 (AUX) IS:
- 2-SPEED PUMP 2 IN SETUPS 1, 2, 4, 7, 8, 10, 15, 16
  - 1-SPEED PUMP 2 IN SETUPS 6, 13, 14
  - 1-SPEED BLOWER IN SETUPS 3, 5, 9, 11, 12, 17, 18

1	2	3	4
N/A	L2 (RED)	L1 (BLK)	N (WHT)

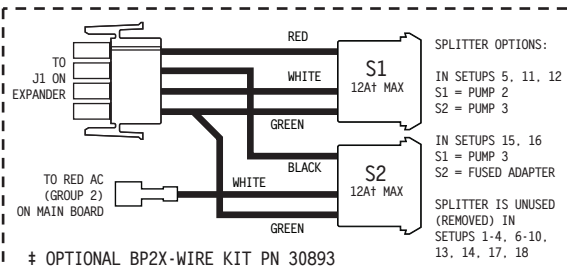
GFCI-PROTECTED CIRCUIT REQUIRED

PART A

**PART A**

LOCATION	DEVICE	VOLTS	MAX AMPS	FROM	TO
J9	PUMP 1	240V	12A MAX	J46	J72-GROUP 2
J14	AUX	240V	12A MAX	J18	J3-GROUP 2
	AUX LINE 1 CONNECTION		J19	J43	
J15	SPA LIGHT	12V	1A		
J21	CIRC PUMP	120V*	2A MAX	J20	J79-GROUP 4
J32	OZONE		1A		
	CIRC AND OZONE LINE 1 CONNECTION		J81	J59	
J33	TV / AV	120V	3A	J38	J45-GROUP 4
J44	HEATER	240V	5.5 kW		

\* FOR 240V CIRC PUMP AND OZONE, CONNECT J20 TO J42 (IN GROUP 2)



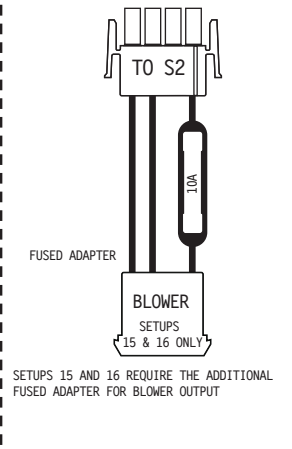
SWITCHBANK S1 OFF		SWITCHBANK S1 ON	
TEST MODE OFF	◀ A1	▶ A2	TEST MODE ON
DON'T ADD 1 HS PUMP W/HTR	◀ A2	▶ A3	ADD 1 HS PUMP WITH HEAT
DON'T ADD 2 HS PUMPS W/HTR	◀ A3	▶ A4	ADD 2 HS PUMPS WITH HEAT
DON'T ADD 4 HS PUMPS W/HTR	◀ A4	▶ A5	ADD 4 HS PUMPS WITH HEAT
SPECIAL AMPERAGE RULE A	◀ A5	▶ A6	SPECIAL AMPERAGE RULE A
STORE SETTINGS**	◀ A6	▶ A7	MEMORY RESET**
1 MIN HTR COOLDOWN (ELEC)	◀ A7	▶ A8	5 MIN HTR COOLDOWN (GAS)
NOT ASSIGNED	◀ A8	▶ A9	NOT ASSIGNED
NOT ASSIGNED	◀ A9	▶ A10	NOT ASSIGNED
NOT ASSIGNED	◀ A10		NOT ASSIGNED

\*\* SWITCH # 6 SHOULD BE SET TO OFF UPON FINAL INSTALLATION.

SETUP #	CIRC PUMP	PUMP 1	PUMP 2	PUMP 3	BLOWER	TEMP SCALE
1	NONE	2-SPEED	2-SPEED	2-SPEED	NONE	°F
2	NONE	2-SPEED	2-SPEED	1-SPEED	NONE	°F
3	NONE	2-SPEED	2-SPEED	NONE	1-SPEED	°F
4	NONE	2-SPEED	2-SPEED	NONE	NONE	°F
5‡	NONE	2-SPEED	1-SPEED	1-SPEED	1-SPEED	°F
6	NONE	2-SPEED	1-SPEED	1-SPEED	NONE	°F
7	PROGRAMMABLE FILTRATION + POLLING	2-SPEED	2-SPEED	2-SPEED	NONE	°F
8	PROGRAMMABLE FILTRATION + POLLING	2-SPEED	2-SPEED	1-SPEED	NONE	°F
9	PROGRAMMABLE FILTRATION + POLLING	2-SPEED	2-SPEED	NONE	1-SPEED	°F
10	PROGRAMMABLE FILTRATION + POLLING	2-SPEED	2-SPEED	NONE	NONE	°F
11‡	PROGRAMMABLE FILTRATION + POLLING	2-SPEED	1-SPEED	1-SPEED	1-SPEED	°F
12‡	PROGRAMMABLE FILTRATION + POLLING	1-SPEED	1-SPEED	1-SPEED	1-SPEED	°F
13	PROGRAMMABLE FILTRATION + POLLING	2-SPEED	1-SPEED	1-SPEED	NONE	°F
14	PROGRAMMABLE FILTRATION + POLLING	1-SPEED	1-SPEED	1-SPEED	NONE	°F
15‡	NONE	2-SPEED	2-SPEED	1-SPEED	1-SPEED	°F
16‡	PROGRAMMABLE FILTRATION + POLLING	2-SPEED	2-SPEED	1-SPEED	1-SPEED	°F
17	PROGRAMMABLE FILTRATION + POLLING	1-SPEED	1-SPEED	NONE	1-SPEED	°F
18	NONE	2-SPEED	1-SPEED	NONE	1-SPEED	°F

PUMP 1 LOW TIMEOUT IS 15 MINUTES.

‡SETUPS 5, 11, 12, 15 AND 16 REQUIRE BP2X-WIRE KIT PN30893



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 (TB1):  
27-30 IN. LBS. (31.1-34.5 kg cm)

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.

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

INSTEAD OF  
SETUP #1,  
THIS SYSTEM IS  
CONFIGURED IN  
SETUP #:



**SpaGuts.com™** BP2000G1 - PN 56777  
new guts for old spas

09-29-15

PART B

**PART B**