GL8000 Hot Sheet

System PN 53254_03 (Mach 2) Balboa Instruments

System Model # GL8-GL8000-RCA-3.0K Universal AC Service Option

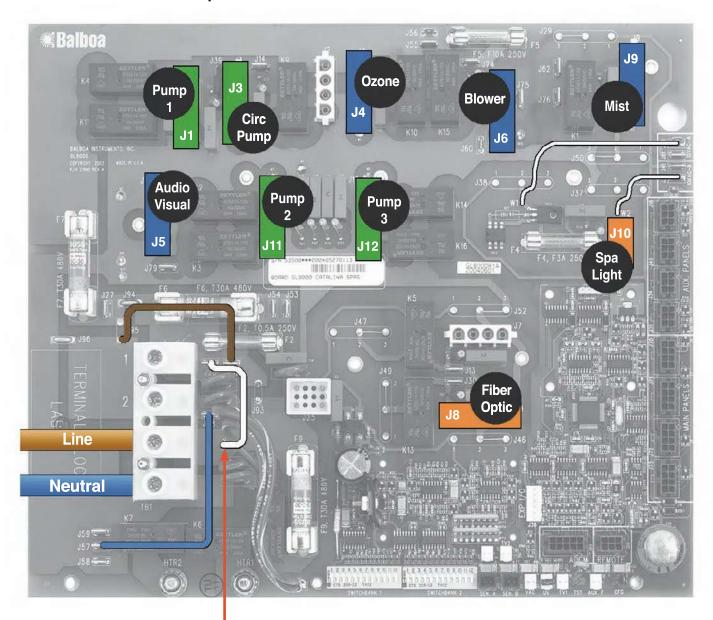
Base PCBA PN GL8000 – 53255-01

Base Panels ML700 – PN 52649 ML900 – PN 52654

The ML700 Panel may require Aux panels for adequate functionality.

Circuit Board Configuration

Universal AC Service Option



Single Service Connection Shown Above

Converting from Single Service to Dual Service:

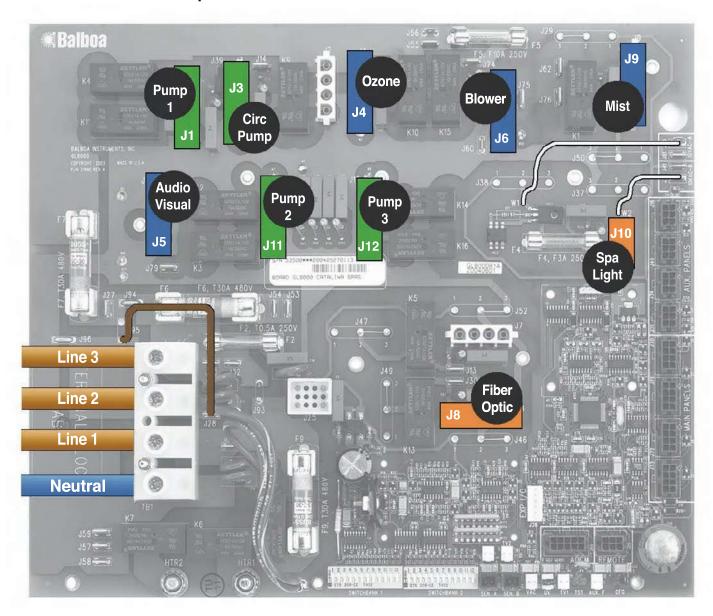
Remove the white wire connecting pins J26 and J23, then insert the second set of incoming wires provided.

Insert and secure the second brown wire into the #1 slot of the terminal block and the second blue wire into the #2 slot of the terminal block.

DIP Switch A2 should be set to the "High Amp" setting.

Circuit Board Configuration

Universal AC Service Option



Converting from Single Service to 3-Phase Service:

Important: The 3-phase service MUST include a neutral wire.

Remove the white wire connecting pins J26 and J23. Remove the blue wire connecting pins J57 and J28.

Move the brown wire to J28.

DIP Switch A2 should be set to the "High Amp" setting.

DIP Switches

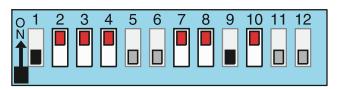
Switchbank A

0 1 2 3 4 5 6 7 8 9 10 11 12

A1, Test Mode OFF
A2/A3, 3 H.S. Pumps
+ Blower w/Heater
A4, 12 Hour Time
A5, Degrees C
A6, Short Timeouts

A7, Cleanup Cycle OFF A8, 1Hr O₃ Disable OFF A9/A10, No Circ Pump A11, Ozone w/P1 low A12, Memory ON

Switchbank B



B1, Pump 2 2-Speed B2, N/A

B3, Blower Enabled B4, F/O Light ON

B5, Option Disabled

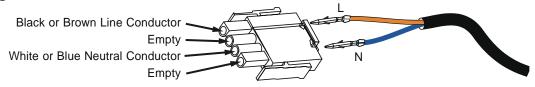
B6, Scrunching OFF

B7, Spa Light On/Off B8, Spa Light Button B9, Pump 3 2-speed B10, Pump 3 Enabled B11, Mister Disabled

B12, Mist Aux Pnl OFF

Ozone Connection

Ozone connector configuration for 240VAC 50Hz:

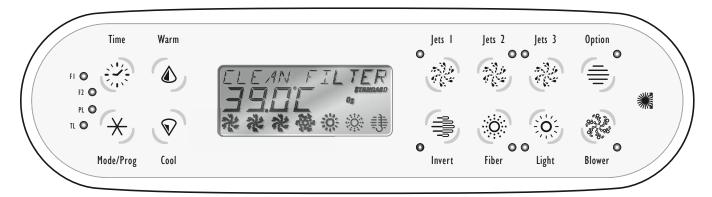


Note: A special tool is required to remove the pins from the connector body once they are snapped in place. Check with your Balboa Account Manager for information on purchasing a pin-removal tool.

DIP Switch Definitions

DIP Switch Key

	Α					Test Mode (normally Off)				A2	А3	# of Hi-Speed Pumps/Blowe with Heater	
	A2	an	d A	۹3		See Figure 1 to control amp draw red	quirem	ents	-				
	Α	4	٠			In "ON" position, displays time in 24	hours	(military time)	OFF		0	
						In "OFF" position, displays 12 hour t				_	OFF	1	
	Α	5				In "ON" position, displays temperatu	ıre in C	Celsius		OFF	ON	2	
						In "OFF" position, displays temperat	ture in	Fahrenheit		ON	ON	Up to 4	
A 6						In "ON" position, Equipment timeout 30 min							
						(4 hrs for Pump 1-Low)							
						In "OFF" position, Equipment timeou	ut 15 m	nin (2 hrs for [O: D	
	Pump 1-Low					Pump 1-Low)				A 4 (•	Circ Pump	
	A 7 II					In "ON" position, Cleanup Cycle – 30 min after spa			A9	A10	<u> </u>	Behavior	
						use/timeout, P1-Low & Ozone run fo				F OF	F I	No Circ Pump	
					·			ON	OF	F	24 Hr	╗	
									OFF	= ON	1 24	Hr w/3° Shut-C	Off
						pump or blower button press.				٥N	I A	cts like P1 low	· I⊣
						In "OFF" position, NO Ozone suppre	ession				(Fil	ter Cycles, Pol	ls)
	Α9	an				See Figure 2 for Circ Pump Behavior		gs			`		╧
						In "ON" position (non-circ mode ope		-				Fig	ure 2
						Pump 1 is two-speed, Ozone is ON			Cvcl	es onl	lv		
						(in any circ mode) Pump 1 is one-sp							
						In "OFF" position (non-circ mode op							
						Ozone is ON with Pump 1-Low	Ciatioi	1) 1 dilip 1 13 t		pccu,	'		
						(in any circ mode) Pump 1 is two-sp	ood C	Ozono is ON v	with c	siro ni	ımn		
						, , ,					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	
	٨	10				Daraiatant Mamary Dagat (usad who	an tha	ana ia nawari	00 111	~ /			
	Α	12	٠.			Persistent Memory Reset (used whe	en the	spa is poweri	ng u	၁)			
	A —	12				Persistent Memory Reset (used whe	en the	spa is poweri	ng u	o) 			
	_					· · ·	en the		ng u _l	o) 			
	А — В					In "ON" position, single-speed		B8 OFF			B8 ON		
	_					In "ON" position, single-speed Pump 2	en the	B8 OFF No separately-co	ontrolle	ed fiber	light; sp	oa light enabled on	
	_					In "ON" position, single-speed Pump 2 In "OFF" position, two-speed		B8 OFF No separately-coboth SpaLight ar	ontrolle	ed fiber	light; sp	oa light enabled on s; fiber light (not	
	— В	1				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2	B4 OFF	B8 0FF No separately-co both SpaLight ai wheel) comes or	ontrolle nd Eith n with	ed fiber nerLight spa ligh	light; sp buttons nt (at an	oa light enabled on s; fiber light (not y intensity)	
	— В В	1				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A		B8 OFF No separately-coboth SpaLight arwheel) comes of the separately-comes	ontrollend Eith	ed fiber nerLight spa ligh	light; sp buttons nt (at an	pa light enabled on s; fiber light (not y intensity) ght and fiber light	d:
	— В	1				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled	B4 OFF	B8 OFF No separately-comboth SpaLight and wheel) comes of the separately-compa light; fiber light on both FiberLight.	ontrollend Eith n with ontrolle ght ena	ed fiber nerLight spa ligh ed abled	light; sp buttons at (at an Spa lie each s	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on botl	h
	— В В В	1 2 3				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled	B4 OFF	B8 OFF No separately-count SpaLight at wheel) comes of the separately-count spa light; fiber light on both FiberLight butto	ontrolle nd Eith n with ontrolle ght ena ht ance	ed fiber nerLight spa ligh ed abled I a light	light; sp buttons at (at an Spa lie each s fiber li	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot ight and EitherLigh	h it
	— В В	1 2 3				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and	B4 OFF	B8 OFF No separately-comboth SpaLight and wheel) comes of the separately-compa light; fiber light on both FiberLight.	ontrolle nd Eith n with ontrolle ght ena ht ance	ed fiber nerLight spa ligh ed abled I a light	light; spat buttons ont (at an each single fiber lift)	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot Light and EitherLigh s; spa light enabled	h it
	B B B	1 2 3 4				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control	B4 OFF B4 ON	B8 OFF No separately-coboth SpaLight arwheel) comes of the separately-comes of the separately-comes on both FiberLight butto comes on with file.	ontrolle nd Eith n with ontrolle ght ena ht ance	ed fiber nerLight spa ligh ed abled I a light	light; spat buttons ont (at an each single fiber lift)	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot i.ight and EitherLigh s; spa light enabled ght buttons only	h t d on
	— В В В	1 2 3 4				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B	B4 OFF B4 ON	B8 OFF No separately-coboth SpaLight arwheel) comes of the separately-comes of the separately-comes on both FiberLight butto comes on with file.	ontrolle nd Eith n with ontrolle ght ena ht ance	ed fiber nerLight spa ligh ed abled I a light	light; spat buttons ont (at an each single fiber lift)	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot i.ight and EitherLigh s; spa light enabled ght buttons only	h it
	B B B B	1 2 3 4				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled	B4 OFF B4 ON	B8 OFF No separately-coboth SpaLight arwheel) comes of the separately-comes of the separately-comes on both FiberLight butto comes on with file.	ontrolle nd Eith n with ontrolle ght ena ht ance	ed fiber nerLight spa ligh ed abled I a light	light; spat buttons ont (at an each single fiber lift)	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot i.ight and EitherLigh s; spa light enabled ght buttons only	h t d on
	B B B	1 2 3 4				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Alternate Panel lay	B4 OFF B4 ON	B8 OFF No separately-composite spalight; fiber ligon both Fiber ligon both Fiber ligon both Fiber ligon both Fiber light; fiber ligon both Fiber light butto comes on with files.	ontrolle nd Eith n with ontrolle ght ena ht and ons; sp iber lig	ed fiber herLight spa ligh ed abled I a light ht	light; spat buttons ont (at an each single fiber lift)	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot i.ight and EitherLigh s; spa light enabled ght buttons only	h t d on
	B B B B	1 2 3 4				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Alternate Panel lay (ML900 scrunching enabled ML550	B4 OFF B4 ON 311 mu rout / 700 、	B8 OFF No separately-composite spalight; fiber ligon both Fiber ligon both Fiber ligon both Fiber ligon both Fiber light; fiber ligon both Fiber light butto comes on with files.	ontrolle nd Eith n with ontrolle ght ena ht and ons; sp iber lig	ed fiber herLight spa ligh ed abled I a light ht	light; spat buttons ont (at an each single fiber lift)	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot i.ight and EitherLigh s; spa light enabled ght buttons only	h t d on
	B B B B	1 2 3 4 5				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Alternate Panel lay (ML900 scrunching enabled ML550 In "OFF" position, Normal Panel lay	B4 OFF B4 ON B11 mu yout / 700 cout	No separately-comboth SpaLight and wheel) comes on No separately-compa light; fiber light on both FiberLight butto comes on with first be OFF	ontrolle nd Eith n with ontrolle ght ena ht and ons; sp iber lig	ed fiber herLight spa ligh ed abled I a light ht	light; spat buttons ont (at an each single fiber lift)	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot i.ight and EitherLigh s; spa light enabled ght buttons only	h t d on
	B B B B	1 2 3 4 5				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Alternate Panel lay (ML900 scrunching enabled ML550 In "OFF" position, Normal Panel lay In "ON" position, Spa Light operation	B4 OFF B4 ON 111 mu 70ut 700t 700 out n is Or	No separately-comboth SpaLight and wheel) comes on No separately-compa light; fiber light on both FiberLight butto comes on with first be OFF Jets 3 replaces	ontrolle nd Eith n with ontrolle ght ena ht and ons; sp iber lig	ed fiber herLight spa ligh ed abled I a light ht	light; spat buttons ont (at an each single fiber lift)	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot i.ight and EitherLigh s; spa light enabled ght buttons only	h t d on
	B B B B	1 2 3 4 5 6				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Alternate Panel lay (ML900 scrunching enabled ML550 In "OFF" position, Normal Panel lay In "ON" position, Spa Light operation In "OFF" position, Spa Light operation	B4 OFF B4 ON 111 mu 70ut 700t 700 out n is Or	No separately-comboth SpaLight and wheel) comes on No separately-compa light; fiber light on both FiberLight butto comes on with first be OFF Jets 3 replaces	ontrolle nd Eith n with ontrolle ght ena ht and ons; sp iber lig	ed fiber herLight spa ligh ed abled I a light ht	light; spat buttons ont (at an each single fiber lift)	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot i.ight and EitherLigh s; spa light enabled ght buttons only	h t d on
	B B B B	1 2 3 4 5 6				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Alternate Panel lay (ML900 scrunching enabled ML550 In "OFF" position, Normal Panel lay In "ON" position, Spa Light operation	B4 OFF B4 ON 111 mu 70ut 700t 700 out n is Or	No separately-comboth SpaLight and wheel) comes on No separately-compa light; fiber light on both FiberLight butto comes on with first be OFF Jets 3 replaces	ontrolle nd Eith n with ontrolle ght ena ht and ons; sp iber lig	ed fiber herLight spa ligh ed abled I a light ht	light; spat buttons ont (at an each single fiber lift)	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot i.ight and EitherLigh s; spa light enabled ght buttons only	h t d on
	B B B B	1 2 3 4 5 6				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Alternate Panel lay (ML900 scrunching enabled ML550 In "OFF" position, Normal Panel lay In "ON" position, Spa Light operation In "OFF" position, Spa Light operation	B4 OFF B4 ON S11 mu vout / 700 cout out is Or on is D	No separately-comboth SpaLight and wheel) comes on No separately-compa light; fiber light on both FiberLight butto comes on with first be OFF Jets 3 replaces	ontrolle nd Eith n with ontrolle ght ena ht and ons; sp iber lig	ed fiber herLight spa ligh ed abled I a light ht	light; spat buttons ont (at an each single fiber lift)	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot i.ight and EitherLigh s; spa light enabled ght buttons only	h t d on
	B B B B B	1 2 3 4 5 6				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Alternate Panel lay (ML900 scrunching enabled ML550 In "OFF" position, Normal Panel lay In "ON" position, Spa Light operation In "OFF" position, Spa Light operation See Figure 3 for Spa Light Enable In "ON" position, single-speed Pump	B4 OFF B4 ON S11 mu rout / 700 cout on is Or on is D	No separately-comboth SpaLight and wheel) comes on No separately-compa light; fiber light on both FiberLight butto comes on with first be OFF Jets 3 replaces	ontrolle nd Eith n with ontrolle ght ena ht and ons; sp iber lig	ed fiber herLight spa ligh ed abled I a light ht	light; spat buttons ont (at an each single fiber lift)	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot i.ight and EitherLigh s; spa light enabled ght buttons only	h t d on
	B B B B B	1 2 3 4 5 6 7 8 9				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "OFF" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Alternate Panel lay (ML900 scrunching enabled ML550 In "OFF" position, Normal Panel lay In "ON" position, Spa Light operation In "OFF" position, Spa Light operation See Figure 3 for Spa Light Enable In "ON" position, single-speed Pump In "OFF" position, two-speed Pump	B4 OFF B4 ON 311 mu yout / 700 cout n is Or on is D 0 3 3	B8 OFF No separately-comboth SpaLight and wheel) comes on No separately-compa light; fiber light on both FiberLight butto comes on with first be OFF Jets 3 replaced by the separately-compa in the original separately-compa in the separately-comp	ontrolle n with n with ontrolle ght ena ht anc ber lig	ed fiber nerLight spa ligh ed abled I a light ht	light; sp buttons ht (at an Spa ligeach s fiber li button SpaLi	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot light and EitherLigh s; spa light enabled ght buttons only	h t d on
	B B B B B B B	1 2 3 4 5 6 7 8 9				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Option disabled In "ON" position, Alternate Panel lay (ML900 scrunching enabled ML550 In "OFF" position, Normal Panel lay In "ON" position, Spa Light operation In "OFF" position, Spa Light operation See Figure 3 for Spa Light Enable In "ON" position, single-speed Pump In "OFF" position, two-speed Pump In "OFF" position, Pump 3 enabled (J	B4 OFF B4 ON 311 mu yout / 700 cout n is Or on is D 0 3 3	B8 OFF No separately-comboth SpaLight and wheel) comes on No separately-compa light; fiber light on both FiberLight butto comes on with first be OFF Jets 3 replaced by the separately-compa in the original separately-compa in the separately-comp	ontrolle n with n with ontrolle ght ena ht anc ber lig	ed fiber nerLight spa ligh ed abled I a light ht	light; sp buttons ht (at an Spa ligeach s fiber li button SpaLi	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot light and EitherLigh s; spa light enabled ght buttons only	h t d on
	B B B B B B B B	1 2 3 4 5 6 7 8 9				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Alternate Panel lay (ML900 scrunching enabled ML550 In "OFF" position, Normal Panel lay In "ON" position, Spa Light operation In "OFF" position, Spa Light operation In "OFF" position, Spa Light Enable In "ON" position, single-speed Pump In "OFF" position, two-speed Pump In "OFF" position, Pump 3 enabled (Jin "OFF" position, Pump 3 disabled	B4 OFF B4 ON 111 mu /out / 700 cout out on is Or on is D o 3 3 Jets 3 r	B8 OFF No separately-comboth SpaLight and wheel) comes on No separately-compa light; fiber light on both FiberLight butto comes on with first be OFF Jets 3 replaced hyoff	ontrolle n with n with ontrolle ght ena ht anc ber lig	ed fiber nerLight spa ligh ed abled I a light ht	light; sp buttons ht (at an Spa ligeach s fiber li button SpaLi	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot light and EitherLigh s; spa light enabled ght buttons only	h t d on
	B B B B B B B	1 2 3 4 5 6 7 8 9				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Alternate Panel lay (ML900 scrunching enabled ML550 In "OFF" position, Normal Panel lay In "ON" position, Spa Light operation In "OFF" position, Spa Light operation In "OFF" position, Spa Light Enable In "ON" position, single-speed Pump In "OFF" position, two-speed Pump In "OFF" position, Pump 3 enabled (J In "OFF" position, Pump 3 disabled In "ON" position, Mister enabled — B	B4 OFF B4 ON 111 mu /out / 700 cout out on is Or on is D o 3 3 Jets 3 r	B8 OFF No separately-comboth SpaLight and wheel) comes on No separately-compa light; fiber light on both FiberLight butto comes on with first be OFF Jets 3 replaced hyoff	ontrolle n with n with ontrolle ght ena ht anc ber lig	ed fiber nerLight spa ligh ed abled I a light ht	light; sp buttons ht (at an Spa ligeach s fiber li button SpaLi	oa light enabled on s; fiber light (not y intensity) ght and fiber light separately controlle ght enabled on bot light and EitherLigh s; spa light enabled ght buttons only	h t d on
	B B B B B B B B B	1 2 3 4 5 6 7 8 9 10 11				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Alternate Panel lay (ML900 scrunching enabled ML550 In "OFF" position, Normal Panel lay In "ON" position, Spa Light operation In "OFF" position, Spa Light operation In "OFF" position, Spa Light Enable In "ON" position, single-speed Pump In "OFF" position, two-speed Pump In "OFF" position, Pump 3 enabled (J In "OFF" position, Mister enabled — B In "OFF" position, Mister disabled	B4 OFF B4 ON 311 mu rout / 700 cout on is Or on is D 0 3 3 Jets 3 r	B8 OFF No separately-coboth SpaLight arwheel) comes on No separately-cospa light; fiber ligon both FiberLight butto comes on with filest be OFF Jets 3 replaces and office of the primary of the OFF Teplaces Light to the OFF	ontrolle n with n with ontrolle pht ena ht anco s; sp ber lig	ed fiber nerLight spa light ed abled a light ht	Spa light; span in the cach is fiber line in the cach in the cach is fiber line in the cach in t	pa light enabled on s; fiber light (not y intensity) gent and fiber light separately controlle ght enabled on both ight and EitherLigh s; spa light enabled ght buttons only Fig	h td on ure 3
	B B B B B B B B B	1 2 3 4 5 6 7 8 9 10 11				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Alternate Panel lay (ML900 scrunching enabled ML550 In "OFF" position, Normal Panel lay In "ON" position, Spa Light operation In "OFF" position, Spa Light operation In "OFF" position, Spa Light enable In "ON" position, single-speed Pump In "OFF" position, two-speed Pump In "OFF" position, Pump 3 enabled (J In "OFF" position, Pump 3 disabled In "ON" position, Mister enabled – B In "OFF" position, Mister disabled In "OFF" position, Mister or Option re	B4 OFF B4 ON B11 mu rout / 700 cout n is Or on is D D 3 3 Jets 3 r B5 mus	B8 OFF No separately-coboth SpaLight arwheel) comes on No separately-cospa light; fiber ligon both FiberLight butto comes on with filest be OFF Jets 3 replaces by manable replaces Light to be OFF Blower butto	ontrolle nd Eith n with ontrolle ht and ns; sp ber lig	ed fiber nerLight spa light ed abled a light ht	Spa light; span in the cach is fiber line in the cach in the cach is fiber line in the cach in t	pa light enabled on s; fiber light (not y intensity) gent and fiber light separately controlle ght enabled on both ight and EitherLigh s; spa light enabled ght buttons only Fig	h td on ure 3
	B B B B B B B B B	1 2 3 4 5 6 7 8 9 10 11				In "ON" position, single-speed Pump 2 In "OFF" position, two-speed Pump 2 N/A In "ON" position, Blower enabled In "OFF" position, Blower disabled See Figure 3 for Fiber Optic and Color wheel control In "ON" position, Option enabled - B In "OFF" position, Option disabled In "ON" position, Alternate Panel lay (ML900 scrunching enabled ML550 In "OFF" position, Normal Panel lay In "ON" position, Spa Light operation In "OFF" position, Spa Light operation In "OFF" position, Spa Light Enable In "ON" position, single-speed Pump In "OFF" position, two-speed Pump In "OFF" position, Pump 3 enabled (J In "OFF" position, Mister enabled — B In "OFF" position, Mister disabled	B4 OFF B4 ON B11 mu rout / 700 cout n is Or on is D D 3 3 Jets 3 r B5 mus	B8 OFF No separately-coboth SpaLight arwheel) comes on No separately-cospa light; fiber ligon both FiberLight butto comes on with filest be OFF Jets 3 replaces by manable replaces Light to be OFF Blower butto	ontrolle nd Eith n with ontrolle ht and ns; sp ber lig	ed fiber nerLight spa light ed abled a light ht	Spa light; span in the cach is fiber line in the cach in the cach is fiber line in the cach in t	pa light enabled on s; fiber light (not y intensity) gent and fiber light separately controlle ght enabled on both ight and EitherLigh s; spa light enabled ght buttons only Fig	ure 3



ML900 PN 52654



ML700 PN 53649

Auxiliary panels are available in the following configurations:

Infrared Remote which has a separate connector on the board.

- 4-Button
- 2-Button
- 1-Button

Configuration of the 4-Button and 2-Button Aux Panels can be done for custom applications.

1-button Aux panels are available in 4 different versions.

There are four Aux Panel connectors on the board.

Panel "Scrunching" on the ML900 (requires custom panel overlays)

With DIP switch B6, unused buttons on an ML900 can be "scrunched" in a custom configuration or the unused positions can be left blank.

Scrunching moves the buttons in a counter-clockwise direction from the bottom row to the top row, on the right side of the display. The result is that all missing buttons or gaps appear on the bottom row, just to the right of the display.

Note: Some button positions MUST be used in order to perform certain functions. For instance, the Jets 2 button and the Blower button are used in certain button press combinations, and need to be available to a user, even if they are labeled with a different name.

See reference cards for details.