BLUES ⬥LEM®
by GENERALMUSIC

SPARE PART LIST UPDATE

code: 277316 - 1
This sheet must be included with the 277316 Service Manual.
Questo foglio deve essere incluso al Manuale di Servizio 277316.

NOTE: Starts from April 1998 the Blues mixers are manufactured in China, the spare parts are referred to these new and old versions.
You may recognize the version from the apparatus identifier plate:
951051, 951052, 951053 and 951054 are the old versions made in Italy
951112, 951113, 951114 and 951115 are the new verions made in China
All parts are replaceable between the two versions with the follow precautions: the white connectors are different, so you could reuse the connectors of the older Board or order the appropriate connectors and cables that you need.
All the schematics printed on 277316 Service Manual are unchanged.

Legend	
EU	= Specify European Version (230Vac).
US	= Specify United States Version (115Vac).
Italy	= Manufactured in Italy, old version.
China	= Manufactured in China, new version.
Code	Description

Accessories

Code		Description
951077		230V Ac/Ac Adapter PS30 (EU)
951078		115V Ac/Ac Adapter PS30 (US)
277315		Owner's Manual

Assembly

Code		Description
667635		Chassis (Blues 8)
667634		Front Panel (Blues 8)
667637		Chassis (Blues 12)
667636		Front Panel (Blues 12)
347354		Gray/Yellow Slider Knob
347343		Gray/White Slider Knob
347342		Gray/Red Slider Knob
340754		Rubber Foot
340120		Plexiglass Display Screen

Dsp Board

Code		Description
768132		**DSP Board (PCB#319062) (Italy)**
PHC768003		**DSP Board (PCB#319062) (China)**
557028	*	Programmed Cpu
141018	*	20 Contacts Vert Female Connector
141011	*	6 Contacts Vert Female Connector
140918	*	2 Contacts Hor Male Connector (Italy)
PHC145002	*	2 Contacts Hor Male Connector (China)
140872	*	4 Contatcs Hor Male Connector (Italy)
PHC145004	*	4 Contatcs Hor Male Connector (China)
105007	*	TMS57002 Dsp
104019	*	ST24W02 Smd 2Kbit Serial Access EEprom
104000	*	HM628128LFP7 SOP 1Mbit (128Kx8) Static Ram
103025	*	74HC4040 12-Stage Binary Counter
103021	*	TDA1309HN2 Bitstream Ad/Da Converter
103016	*	74HC373DW SOIC Octal D-Type Latch
103010	*	74HC04D SOIC Hex Inverter
103003	*	74HC374DW Soic Octal D-Type Flip-Flop
081000	*	PMLL4148 Smd 100mA 75V Signal Diode
010735	*	8MHz Ceramic Resonator

Display Board

Code		Description
768131		**Display Board (PCB#313018) (Italy)**
PHC768002		**Display Board (PCB#313018) (China)**
110260	*	9 Switches Compact Stick
141013	*	10 Contacts Vert Female Connector
140918	*	2 Contacts Hor Male Connector (Italy)
PHC145002	*	2 Contacts Hor Male Connector (China)
100613	*	74HC4094 8 bit Sipo Latch Register
080717	*	HDN1105 7 Segments Display
080705	*	Led 3mm 60deg Diffused Red

Main Board

Code		Description
768130		**Main Board (PCB#313017) (Blues 12) (Italy)**
768129		**Main Board (PCB#313016) (Blues 8) (Italy)**
PHC768001		**Main Board (PCB#313044) (Blues 12) (China)**
PHC768000		**Main Board (PCB#313043) (Blues 8) (China)**
659129	*	Gray Knob with Black Cover
347357	*	Gray/Yellow Switch Button
347356	*	Gray/White Switch Button
347355	*	Gray/Red Switch Button
347353	*	Gray/Yellow Knob
347348	*	Gray/White Knob
347346	*	Gray/Black Knob
347345	*	Gray/Blu Knob
347344	*	Gray/Red Knob
347334	*	12 Leds Plastic Cover
347333	*	12 Leds Plastic Support
141188	*	XLR Female Connector
141011	*	6 Contacts Vert Female Connector
140918	*	2 Contacts Hor Male Connector (Italy)
PHC145002	*	2 Contacts Hor Male Connector (China)
140872	*	4 Contatcs Hor Male Connector (Italy)
PHC145004	*	4 Contatcs Hor Male Connector (China)
140397	*	2sw 2pos V Slider Switch
140250	*	RCA Socket
140236	*	Jack Vert Female Socket (Italy)
PHC145001	*	Jack Vert Female Socket (China)
140220	*	Jack Slim Hor Female Socket
140212	*	Horizontal Female 5 Poles Din Socket
110365	*	2 ways - 4pos. Vertical Switch
106004	*	LM393 Dual Voltage Comparator
106001	*	MC33078P Smd Dual LN J-Fet Operational Amplifier
102007	*	Hybrid 12 Led Level Meter
100959	*	LM3171,2V-37V 0.1A Adjustable Regulator
100923	*	NE5532A Dual LN Operational Amplifier
100067	*	LM337 1.2-37V 1.5A Adjustable Regulator
100066	*	LM317 1.2-37V 1.5A Adjustable Regulator
100059	*	7805 +5V 1A Voltage Regulator
090183	*	BC550 To92 Ln Npn Transistor
080733	*	Led 2.5x5mm Rect Diffused Green
080731	*	Led 2.5x5mm Rect Diffused Red
080706	*	Led 3mm 60deg Diffused Green
080705	*	Led 3mm 60deg Diffused Red
080232	*	5V1 0.5W 5% Zener Diode
080168	*	WL02 1.5A 200V Rectifier Diodes Bridge
080156	*	1N4002 1A 100V Rectifier Diode
080103	*	1N4148 100mA 75V Signal Diode
075805	*	50K 14mm Vert Rotary MN Potentiometer w/Click (Aux/Mon)
075802	*	2X50K 14mm Vert Rotary Log Potentiometer (Phones, Efx Return)
075800	*	50K 14mm Vert Rotary LogC Potentiometer w/Click (Balance)
075699	*	50K 9mm Vert Rotary Log Potentiometer (Efx)
075613	*	2X10K 9mm Vert Rotary Log Potentiometer (Tape In)
075590	*	10K 9mm Vert Rotary Log Potentiometer (Aux, Mon, Mono)
075589	*	10K 9mm Vert Rotary Alog Potentiometer (Gain)
074761	*	2X50K 14mm Vert Rotary Lin Potentiometer w/Click (High, Low S.)
074696	*	50K 9mm Vert Lin Rotary Potentiometer w/Click (High, Low, Pan M.)
073596	*	2x10K 60mm Log Slider Potentiometer (Stereo Fader)
073574	*	10K 60mm Log Slider Potentiometer (Mono Fader)
060378	*	100E 2W 10% Resistor
042628	*	16K5 1/4W 1% Metalized Film Resistor
042475	*	825E 1/4W 1% Metalized Film Resistor
042435	*	432E 1/4W 1% Metalized Film Resistor

Wiring Connections

Code	Description
840768	2 Wires 12.5cm Length Crimp Terminal Cable (Italy)
841200	2 Wires 12.5cm Length Crimp Terminal Cable (China)
840803	6 Wires 12.5cm Length Flat Cable
840844	2 Wires 7.5cm Length Crimp Terminal Cable (Italy)
841199	2 Wires 7.5cm Length Crimp Terminal Cable (China)
841080	4 Wires 12.5cm Length Crimp Terminal Cable (Italy)
841201	4 Wires 12.5cm Length Crimp Terminal Cable (China)
841081	20/10+10 Wires 8cm Length Flat Cable