

CONSOLE CONNECTOR 7647 INSTALLATION INSTRUCTIONS

For Use With: LESLIE Speaker Model 600

BALDWIN PRO PR-200 Organ

MULTIPLE SPEAKER INSTALLATION: For complete information, consult the manual of the LESLIE speaker to be added.

KIT CONTENTS

1	105830 Console Connector	1 Multi-Rank Control
1	106010 Instructions	105730 Brown
1	053025 Oiler	105740 Ebony
1	021600 9 Conductor Speaker Cable	105750 Ivory
6	029124 Screws, #6 x 1/2", Blk Oxide	
2	042408 Screws, #8 x 1/2", Ant. Bronze	
12	028464 Insulated Staples	
1	OFF-ON Two Position Tremolo Control	1 3-Position Tremolo Control
	105760Brown	105790Brown
	105770 Ebony	105800 Ebony
	105780 Ivory	105810 Ivory

TO INSTALL:

Mounting Speaker Controls-- Control Cable Routing

1. Open the hinged back and lower drawer at the rear of the organ's pedal clavier.
2. Mount the multi-rank and tremolo controls to the wooden rail in front of the lower manual. (See "A" on Fig. 1.) Use the black oxide wood screws provided.
3. Drill a 1/2" hole in the underside of the lower manual, left hand side (as seen from front of organ). (See "B" on Fig. 1.) Route control cables through this hole.
4. Pass the wire provided in hardware package through the right hand hollow leg (as seen from rear of organ). (See "C" and "D" on Fig. 1.) Tie this wire to one of the three control cables and pull cable down through the leg into the drawer. Pull through enough cable to make it easy to work with. Repeat this operation until all three control cables are routed through the hollow leg.

Plug Assembly

5. Locate the red taped AC-type zip cord attached to the multi-rank control. Insert its molex pins into slots two and three of the red colored molex plug housing. (See Plugs and Sockets: 7647 Kit and "E" on Fig. 2.)
6. Locate the AC.-type zip cord attached to the 2 position tremolo control. Insert its molex pins into slots two and three of the natural colored molex plug housing. (See Plugs & Sockets: 7647 Kit and "F" on Fig. 2.) Pins are interchangeable.
7. Locate the three wire cable attached to the orange 3 position tremolo control. Insert its black wire into slot no. 1 of the orange molex plug housing. Insert its red wire into slot no. 2. Insert its white wire into slot no. 3. (See Plugs & Sockets: 7647 Kit and "G" on Fig. 2.)

Mounting Console Connector -- Connecting the Control Cables

8. Cut a 1/2" notch in the top edge of the lower drawer just beyond the drawer's center retaining screw. (See "H" on Fig. 2.) The sockets for the multi-rank and tremolo control plugs are attached to extension wires inside the console connector chassis. Pull these wires out to full length. Insert them in notch previously cut in the drawer. Make sure wires can reach control plugs.
10. Mount console connector to the face of the drawer so the notch is covered. Use antique bronze screws provided in hardware package. (See Fig. 2.)
11. Connect the control cable plugs to matching colored molex sockets.

Signal, AC, and Speaker Cable Connections

12. Connect seven pin plug from console connector to either the SIGNAL or TONE CABINET organ socket. (See "J" on Fig. 2.)
13. Connect six pin plug from console connector to the POWER socket on organ. (See "K" on Fig. 2.)
14. Connect speaker cable supplied to the 9 contact socket at the side of the console connector and the LESLIE Model 600 speaker. (See "L" on Fig. 2.)
15. Adjust volume controls of the Model 600 speaker according to its owners manual. Slide organ's lower drawer shut after all cable slack has been stored inside. Secure drawer with its three retaining screws. Close the hinged back panel. Installation is complete.

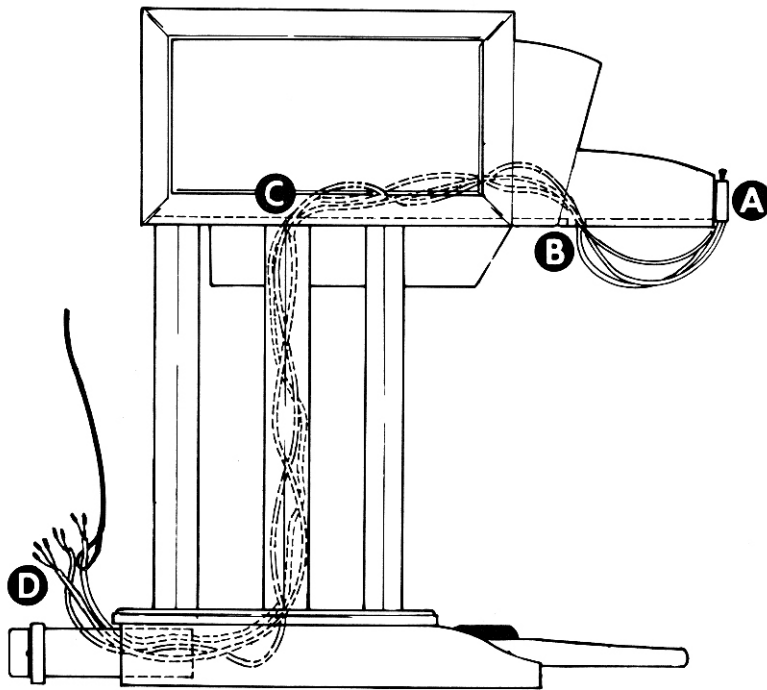


Fig. 1

SPEAKER CONTROLS

The Model 600 speaker's space generators, tremolo generators, and rotary elements are controlled by the switches packed in the console connector kit. The multi-rank switch controls the space generator, the OFF-ON tremolo switch controls the tremolo generators, and the three position tremolo switch controls the rotors.

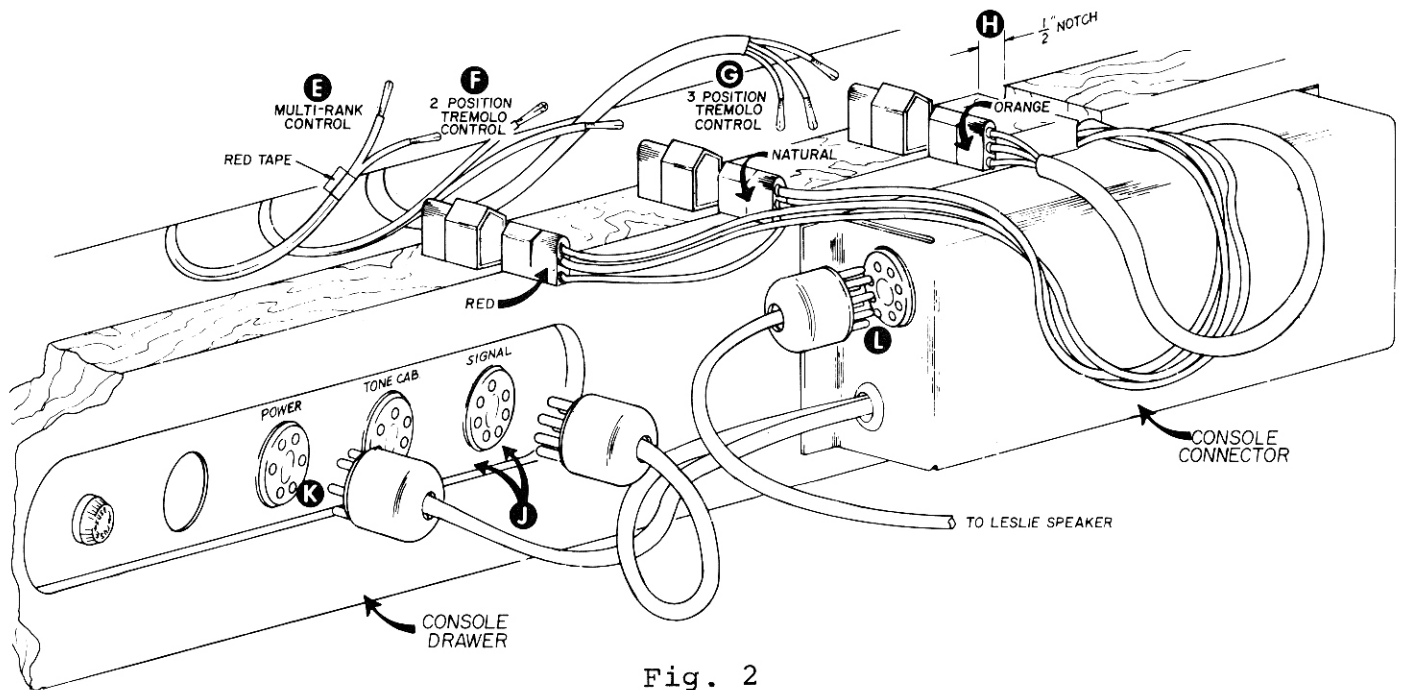


Fig. 2

PARTS LIST: 105830 CONSOLE CONNECTOR

105840 Circuit Board Assy. - Large

105850 Circuit Board Assy. - Master Sensor

P1 061911 Plug, 7 Pin Amphenol

P1 013136 Plug Cap

P2 061721 Plug, 6 Pin Amphenol

P2 013136 Plug Cap

S3 105960 Socket Housing, 3 Ckt. Molex - Orange

S3 023556 Female Contact - 3 Req'd.

S4 061713 9 Contact Socket, Amphenol w/Mtg.

S5 043265 Socket Housing, 3 Ckt. Molex - Red

S5 023556 Female Contact - 3 Req'd.

S6 042077 Socket Housing, 3 Ckt. Molex - Natural

S6 023556 Female Contact - 3 Req'd.

T1 022244 Filament Transformer, Triad #76347

PLUGS & SOCKETS: 7647 KIT

PLUGS AND SOCKETS SHOWN FROM WIRE END.

*PLUGS P3, P5 WIRES INTERCHANGEABLE BETWEEN SLOTS 2 AND 3. FOLLOW COLOR CODE BESIDE PLUG P6 EXACTLY.

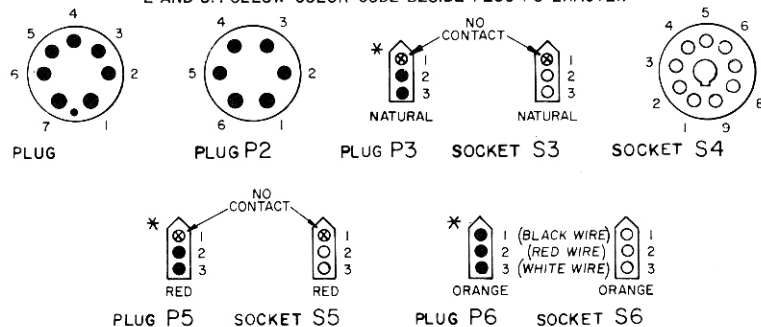
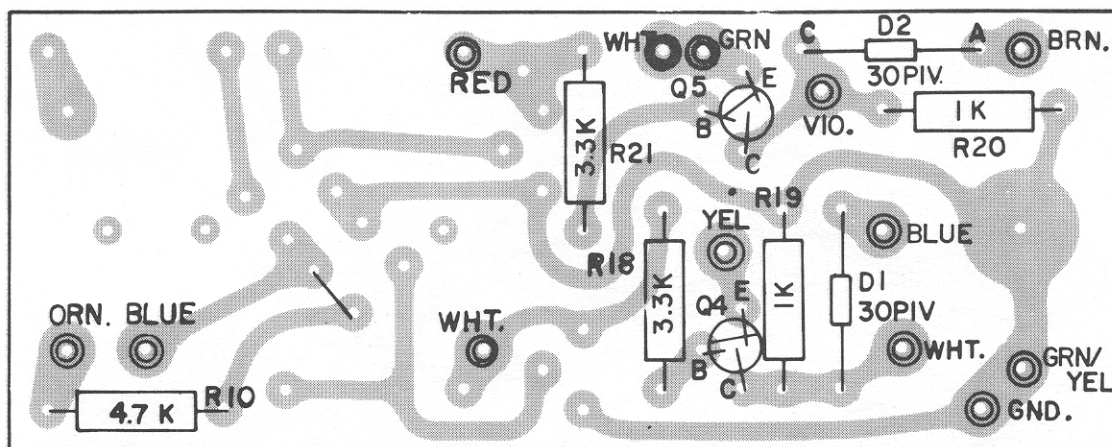


Fig. 3

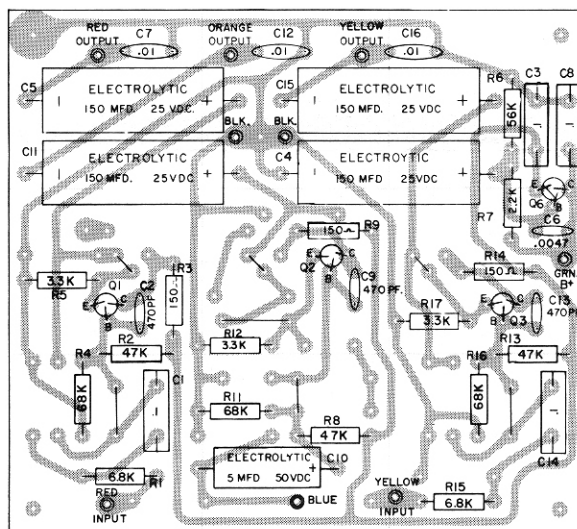
PART	DESCRIPTION		EMI NO.
R10	4.7K, 1/2W, 10%	Resistor	028555
R18	3.3K, 1/2W, 10%	Resistor	024141
R19,20	1K, 1/2W, 10%	Resistor	023713
R21	3.3, 1/2W, 10%	Resistor	024141
D1,2	30 PIV, 500mW	Rectifier	041616
Q4,5	2N3414, NPN	Transistor	030254

105840 CIRCUIT BOARD

PART	LOCATION	DESCRIPTION	EMI NO.
R1	C1	6.8K Resistor	016501
R2	B1	47K Resistor	028506
R3	B1	150 ohm Resistor	024158
R4	C1	68K Resistor	059288
R5	B1	3.3K Resistor	024141
R6	A3	56K Resistor	024133
R7	A3	2.2K Resistor	028506
R8	C2	47K Resistor	028506
R9	B2	150 ohm Resistor	024158
R11	C2	68K Resistor	059288
R12	B2	3.3K Resistor	024141
R13	B3	47K Resistor	028506
R14	B3	150 ohm Resistor	024158
R15	C3	6.8K Resistor	016501
R16	C3	68K Resistor	059288
R17	B3	3.3K Resistor	024141
C1	C1	Poly.,.1 Mfd@200V,+20% Capacitor	022251
C2	B1	Ceramic,.470Pf@1KV,+20% Capacitor	028662
C3	A3	Poly.,.1 Mfd@200V,+20% Capacitor	022251
C4	B2	Elect.,ISO Mfd@25V;-10%+100% Capacitor	031294
C5	A1	Elect.,ISO Mfd@25V,-10%+100% Capacitor	031294
C6	B3	Ceramic,.0047 Mfd@100V+10% Capacitor	028431
C7	A1	Ceramic,.01 Mfd@1KVDC,+20% Capacitor	060467
C8	A3	Poly.,.1 Mfd@200VDC,+20% Capacitor	022251
C9	B2	ceramic,.470Pf@1KV,+20% Capacitor	028662
C10	C2	Elect.,5 Mfd@50VDC, -10%+100% Capacitor	028589
C11	A1	Elect., 150 Mfd@25V,-10%+100% Capacitor	031294
C12	A2	Ceramic,.01 Mfd@1KV,+20% Capacitor	060467
C13	B3	Ceramic,.470Pf@1KV,+20% Capacitor	028662
C14	C3	Poly.,.1 Mfd@200VDC,+20% Capacitor	022251
C15	A2	Elect.,150 Mfd@25V,-10%+100% Capacitor	031294
C16	A3	Ceramic,.01Mfd@1K ,+20% Capacitor	060467
Q1	B1	2N3859A, NPN Transistor	061366
Q2	B2	2N3859A, NPN Transistor	061366
Q3	C3	2N3859A, NPN Transistor	061366



105850 MOTOR SENSOR CIRCUIT BOARD



105840 CIRCUIT BOARD

PARTS LISTS

MULTI-RANK CONTROL

Switch Case
103750 brown
103760 ebony
103770 ivory

Switch Case Cover
048702 brown
048710 ebony
048728 ivory

Switch Knob
048066 brown
048073 ebony

Switch Retainer
(2 Req'd.)-048744

Switch Only
010249

P3-105970 Plug Housing,
3 Ckt. Molex - Orange

P3-023309 Male Contact
(3 Req' d .)

OFF-ON TREMOLO CONTROL

Switch Case
103750 brown
103760 ebony
103770 ivory
Switch Case Cover
048702 brown
048710 ebony
048728 ivory
Switch Knob
048066 brown
048074 ebony
Switch Retainer
(2 Req'd.)-048744
Switch Only
010249
P6-042085 Plug Housing,
3 Ckt. Molex - Natural
P6-023309 Male Contact
(3 Req' d .)

3-POSITION TREMOLO CONTROL

Switch Case
103750 brown
103760 ebony
103770 ivory
Switch Case Cover
048702 brown
048710 ebony
048728 ivory
Switch Knob
048066 brown
048074 ebony
Switch Retainer
(2 Req'd.)-047844
Switch Only
010249
P5-043323 Plug Housing
3 Ckt. Molex - Red
P5-023309 Male Contact
(3 Req' d .)

ORDERING PARTS:

Standard hardware, connectors, and electronic components should be purchased locally. Non-standard items may be obtained through a LESLIE speaker dealer. Orders should include part numbers listed.

SCHEMATIC: 105830 CONSOLE CONNECTOR w/CONTROLS

