

LESLIE 8030 CONSOLE CONNECTOR KIT INSTALLATION INSTRUCTIONS
FOR USE WITH: HAMMOND H-100 Series
LESLIE 610 Speaker

MULTIPLE SPEAKER INSTALLATION: For complete information, see service manual for the LESLIE Speaker to be added.

KIT CONTENTS:

		Rotosonic Control	
		brown	059220
		ebony	059238
		ivory	059246
Console Connector	059577	Rotochorus Control	
1 9 Conductor Cable	021600	brown	059171
1 Instructions	059551	ebony	059189
1 Oiler	053025	ivory	059197
2 Screw, 8 x 1/211	029132		
4 Screw, 6 x 1/2"	029124		
8 Insulated Staples	028464		

TO INSTALL:

1. Remove HAMMOND back panel.
2. Mount console connector chassis to underside of the middle shelf above the HAMMOND amplifier. Use sheet metal screws provided.
3. Mount the Rotosonic and Rotochorus Control switches to the wooden rail in front of the lower manual. Use the black oxide screws provided.
4. Remove the knee plate found beneath the lower manual. Then route the control cables through the keyboard shelf and into the amplifier section of the console. Use staples provided to fasten cables in place.
5. Attach red and natural colored Molex control plugs into the matching colored console connector sockets. (See "A" and "B", Fig. 1.)
6. Insert 5 pin console connector plug into the tone cabinet socket at left rear corner of the HAMMOND amplifier. (See "C" on Fig. 1.)
7. Push the switch located next to the tone cabinet socket to ""TONE CAB"" position. (See "D" on Fig. 1.)
8. Connect 9 conductor cable to the 9 contact socket on the console connector chassis. (See "E" on Fig. 1.) Attach the other end of this cable to the 9 pin plug on the LESLIE 610 speaker amplifier.
9. Switch Rotosonic and Rotochorus controls to TREMOLO ON and TREMOLO FAST positions, respectively. Then adjust the volume controls on the LESLIE to match the volume of the HAMMOND without distorting. Installation is now complete.

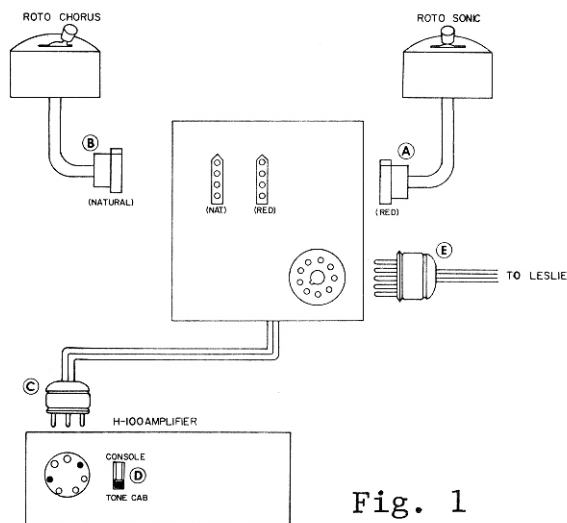


Fig. 1

SCHEMATIC: 8030 CONSOLE CONNECTOR w/CONTROLS

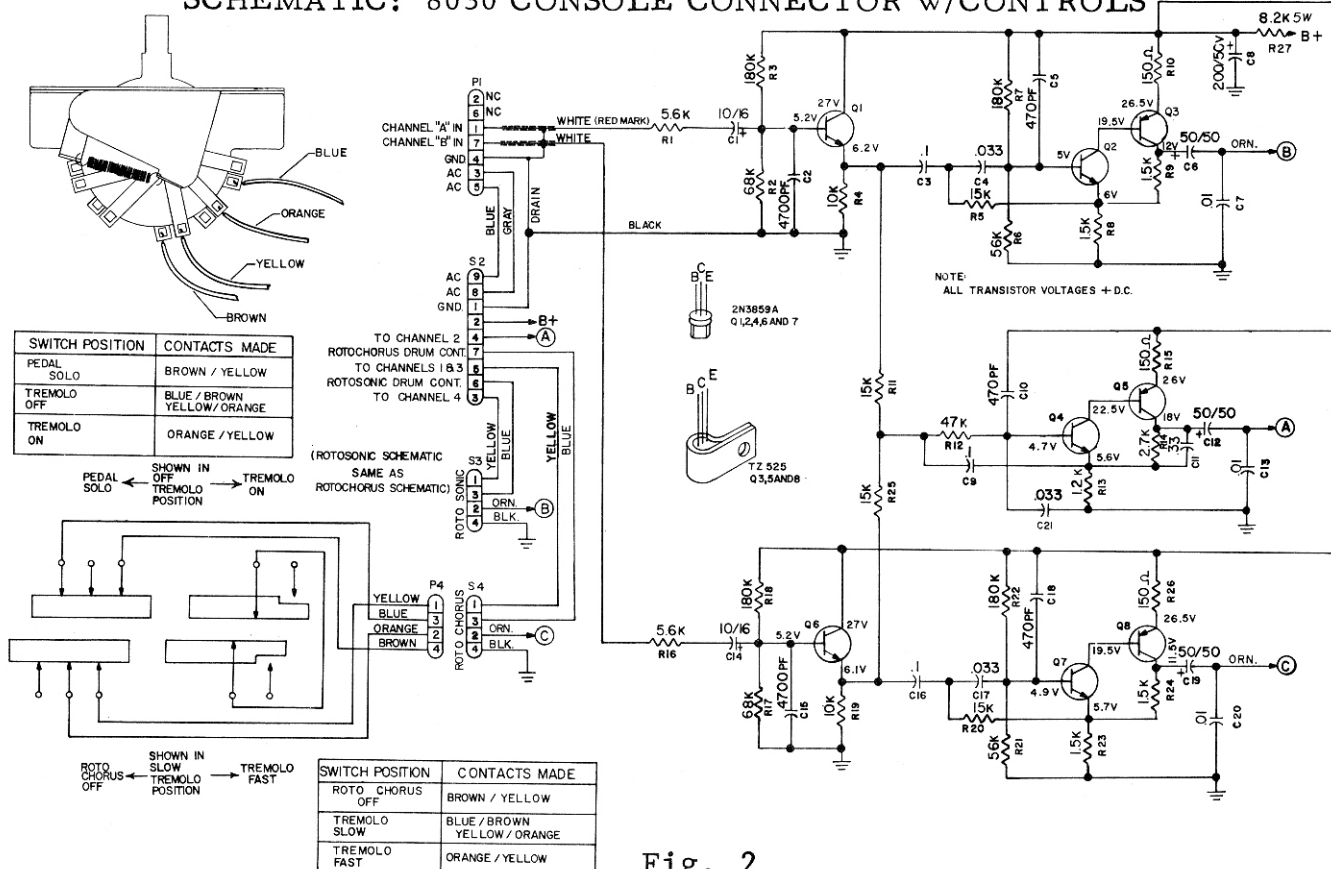


Fig. 2

LESLIE CONTROL FUNCTIONS

ROTOCHORUS CONTROL:

Rotochorus OFF: Channels 1 and 3 grounded --no signal. Rotochorus (upper) drum spinning at fast speed.

Tremolo SLOW: Channels 1 and 3 directed to the two 6" x 9" speakers in the Rotochorus drum. Drum spinning at slow speed.

Tremolo FAST: Channels 1 and 3 directed to the two 6" x 9" speakers in the Rotochorus drum. Drum spinning at fast speed.

ROTOSONIC CONTROL:

Pedal Solo: Channel 4 grounded --no signal. Rotosonic (lower) drum spinning at tremolo speed.

Tremolo OFF: Channel 4 directed to stationary 6" x 9" speaker in upper Model 610 cabinet. Rotosonic drum spinning at tremolo speed.

Tremolo ON: Channel 4 directed to 6" x 9" speaker in Rotosonic drum. Drum spinning at tremolo speed.

NOTE: If you desire to play only bass tones through the LESLIE 610 Speaker, the Rotochorus control must also be switched to the Rotochorus OFF position.

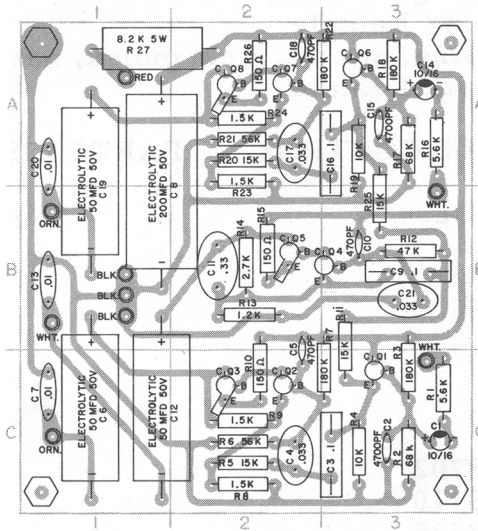


Fig. 3

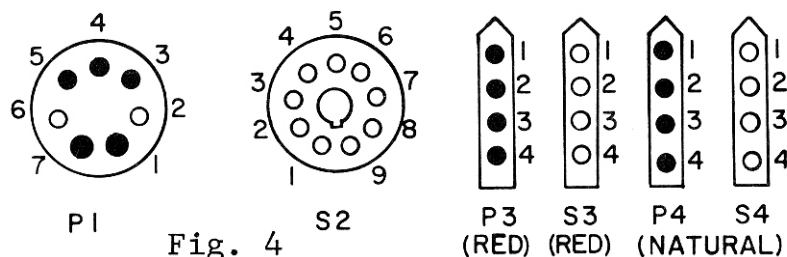
PARTS LIST: 059692 CIRCUIT BOARD ASSEMBLY

Part Number	Location	Description*	EMI Number
C1	C3	Capacitor, Tantalum, 10MFD @ 16v	041707
C2	C3	Capacitor, Disk, 4700PF@ 100V, 10%	028431
C3	C3	Capacitor, Poly, .1MFD @ 200V, 20%	022251
C4	C2	Capacitor, Mylar, .033MFD @75V, 10%	028654
C5	C2	Capacitor, Disc, 470PF @ 1KV, 20%	028662
C6	C1	Capacitor, Elect, .50MFD @50V	025262
C7	C1	Capacitor, Disc, .01MFD @1KV, 20%	060467
C8	B2	Capacitor, 200MFD @ 50V	020081
C9	B3	Capacitor, Poly, .1MFD @ 200V, 20%	022251
C10	B3	Capacitor, Disc, 470PF @ 100V, 20%	028662
C11	B2	Capacitor, Mylar, .33MFD @ 75V, 10%	028647
C12	C2	Capacitor, Elect, 50MFD @ 50V	025262
C13	B1	Capacitor, Disc, .01MFD @ 1KV, 20%	060467
C14	A3	Capacitor, Tantalum, 10MFD @ 16V	041707
C15	A3	Capacitor, Disc, 4700PF @100V,10%	028431
C16	A3	Capacitor, Poly, .1MFD @200V, 20%	022251
C17	A2	Capacitor, Mylar, .033MFD 100V, 10%	028654
C18	A2	Capacitor, Disc, 470PF, 1KV, 20%	028662

C19	B1	Capacitor, 50MFD @ 50V	025262
C20	A1	Capacitor, Disc, .01MFD @1KV, 20%	060467
C21	B3	Capacitor, Mylar, .033MFD, 100V, 10%	028654
Q1	C3	Transistor, 2N3859A -NPN	061366
Q2	C2	Transistor, 2N3859A -NPN	061366
Q3	C2	Transistor, T2525 -Sprague PNP	033571
Q4	B3	Transistor, 2N3859A -NPN	061366
Q5	B2	Transistor, T2525 -Sprague PNP	033571
Q6	A3	Transistor, 2N3859A -NPN	061366
Q7	A2	Transistor, 2N3859A -NPN	061366
Q8	A2	Transistor, T2525 -Sprague PNP	033571
R1	C3	Resistor, 5.6K	024844
R2	C3	Resistor, 68K	059288
R3	C3	Resistor, 180K	059270
R4	C3	Resistor, 10K	028548
R5	C2	Resistor, 15K	048157
R6	C2	Resistor, 56K	024133
R7	B3	Resistor, 180K	059270
R8, R9	C2	Resistor, 1.5K	022277
R10	C2	Resistor, 150 ohm	024158
R11	B3	Resistor, 15K	048157
R 12	B3	Resistor, 47K	028506
R13	B2	Resistor, 1.2K	018036
R 14	B2	Resistor, 2.7K	042549
R 15	B2	Resistor, 150 ohm	024158
R16.	A3	Resistor, 5.6K	024844
R17	A3	Resistor, 68K	059288
R18	A3	Resistor, 180K	059270
R19	A3	Resistor, 10K	028548
R20	A2	Resistor, 15K	048157
R21	A2	Resistor, 56K	024133
R22	A3	Resistor, 180K	059270
R23, R24	A2	Resistor, 1.5K	022277
R25	B3	Resistor, 15K	048157
R26	A2	Resistor, 150 ohm	024158
R27	A1	Resistor, 8.2K, 5W, 10%	050484

*All Resistors 1/2 Watt, 10% unless otherwise noted

PLUGS & SOCKETS: 8030 KIT



PARTS LIST: 059577 CONSOLE CONNECTOR

Circuit Board Assembly	059692
P1 Plug, 7 Pin Modified	024752
P1 Cap Assembly, Complete	010322
S2 Socket, 9 contact w/mtg plate	061713
S3 Housing, socket, 4 ckt molex, red	059569
S3 Insert, Female	023556
S4 Housing, socket, 4 ckt molex, natural	042093
S4 Insert. Female	023556

PARTS LIST: ROTOCHORUS CONTROL

Rotochorus Switch Case	
brown	059147
ebony	059155
ivory	059163
Switch Case Cover	
brown	048702
ebony	048710
ivory	048728
Switch Knob	
brown	048066
ebony	048074
Switch Retainer (2)	048116
Switch Only	029173
Adhesive Cork	029157
P4 Plug Housing,	042101
4 ckt Molex -natural	
P4 Male Molex	023309
Insert	

PARTS LIST: ROTONSONIC CONTROL

Rotosonic Switch Case	
brown	059113
ebony	059121
ivory	059139
Switch Case Cover	
brown	048702
ebony	048710
ivory	048728
Switch Knob	
brown	048066
ebony	048074
Switch Retainer (2)	048116
Switch Only	029173
Adhesive Cork	029157
P3 Plug Housing,	059296
4 ckt Molex -red	
P3 Male Molex	023309
Insert	

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 above.