



CONSOLE CONNECTOR KIT 8030

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:

1 Console Connector	059577	1 Lower Rotor Control	
1 9 Conductor Cable	021600	brown	059220
1 Instructions	059551	ebony	059238
1 Oiler	053025	ivory	059246
2 Screw, 8 x 1/2"	029132	1 Upper Rotor Control	
4 Screw, 6 x 1/2"	029124	brown	059171
8 Insulated Staples	028464	ebony	059189
1 Jumper Plug	017970	ivory	059197

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 Lower Rotor and Upper Rotor 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. Install jumper plug from hardware package into "ECHO SW" socket on console connector chassis. (See "F" on Fig. 1.)
10. Switch Lower Rotor and Upper Rotor controls to TREMOLO ON and TREMOLO positions, respectively. Then adjust the volume controls on the LESLIE to match the volume of the HAMMOND without distorting. Installation is now complete.

INSTALLATION: 8030 KIT

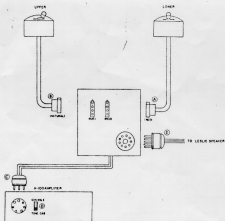


Fig. 1

SCHEMATIC: 8030 CONSOLE CONNECTOR w/CONTROLS

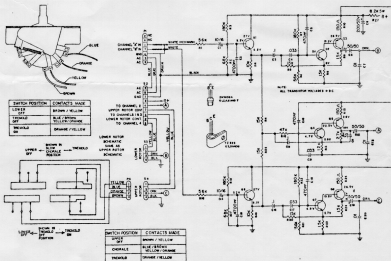


Fig. 2

LESLIE CONTROL FUNCTIONS

UPPER ROTOR CONTROL:

- Upper OFF:** Channels 1 and 3 grounded -- no signal.
Upper Rotor spinning at fast speed.
- Channel:** Channels 1 and 3 directed to the two 6" x 9" speakers in the Upper Rotor. Rotor spinning at slow speed.
- Tremolo:** Channels 1 and 3 directed to the two 6" x 9" speakers in the Upper Rotor. Rotor spinning at fast speed.

LOWER ROTOR CONTROL:

- Lower OFF:** Channel 4 grounded -- no signal.
Lower Rotor spinning at tremolo speed.
- Tremolo OFF:** Channel 4 directed to stationary 6" x 9" speaker in upper Model 610 cabinet. Lower Rotor spinning at tremolo speed.
- Tremolo ON:** Channel 4 directed to 6" x 9" speaker in Lower Rotor. Rotor spinning at tremolo speed.

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

PARTS SIDE: 059692 CIRCUIT BOARD ASSEMBLY

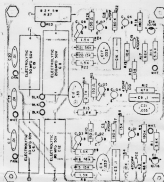


Fig. 3

PARTS LIST: 059692 CIRCUIT BOARD ASSEMBLY

Part Number	Location	Description	End Number	Part Number	Location	Description	End Number
C1	C2	Capacitor, Tantalum, 10MFD @ 10V	940327	R1	C3	Resistor, 5.1K	954844
C2	C2	Capacitor, Disk, 4700PF @ 100V, 10%	928430	R2	C3	Resistor, 48K	959280
C3	C2	Capacitor, Poly, 1MFD @ 250V, 20%	922251	R3	C3	Resistor, 180K	959270
C4	C2	Capacitor, Mylar, 0.01MFD @ 75V, 10%	928434	R4	C3	Resistor, 100K	928540
C5	C2	Capacitor, Disc, 4700PF @ 10V, 20%	928432	R5	C2	Resistor, 15K	948157
C6	C1	Capacitor, Electro, 50MFD @ 50V	925242	R6	C2	Resistor, 54K	924133
C7	C1	Capacitor, Disc, 0.01MFD @ 50V, 20%	940487	R7	C3	Resistor, 180K	959270
C8	R2	Capacitor, 100MFD @ 50V	910081	R8, R9	C2	Resistor, 1.5K	921777
C9	R3	Capacitor, Poly, 1MFD @ 200V, 20%	922181	R10	C2	Resistor, 150 ohm	924158
C10	R3	Capacitor, Disc, 4700PF @ 100V, 20%	928432	R11	B3	Resistor, 15K	948157
C11	R1	Capacitor, Mylar, 0.01MFD @ 75V, 10%	928434	R12	B3	Resistor, 47K	910055
C12	R1	Capacitor, Electro, 50MFD @ 50V	925242	R13	B2	Resistor, 2.7K	942549
C13	R1	Capacitor, Disc, 0.01MFD @ 10V, 20%	940487	R14	B2	Resistor, 150 ohm	924158
C14	A3	Capacitor, Tantalum, 10MFD @ 10V	941181	R15	A3	Resistor, 5.1K	924544
C15	A3	Capacitor, Disc, 4700PF @ 100V, 10%	928430	R16	A3	Resistor, 48K	959280
C16	A3	Capacitor, Poly, 1MFD @ 250V, 20%	922251	R17	A3	Resistor, 180K	928540
C17	A3	Capacitor, Mylar, 0.01MFD @ 75V, 10%	928434	R18	A3	Resistor, 15K	948157
C18	A2	Capacitor, Disc, 4700PF @ 10V, 20%	928432	R19	A3	Resistor, 54K	924133
C19	A1	Capacitor, 50MFD @ 50V	925242	R20	A1	Resistor, 15K	948157
C20	A1	Capacitor, Disc, 0.01MFD @ 10V, 20%	940487	R21	A1	Resistor, 180K	928540
C21	B3	Capacitor, Electro, 50MFD @ 50V, 20%	925242	R22	A1	Resistor, 15K	948157
C22	B3	Capacitor, Mylar, 0.01MFD @ 75V, 10%	928434	R23	A1	Resistor, 180K	928540
C23	C3	Transistor, 2N 355A - NPN	941364	R24	A1	Resistor, 15K	948157
C24	C3	Transistor, 2N 355A - NPN	941364	R25	B3	Resistor, 150 ohm	924158
C25	C3	Transistor, 2N 355A - PNP	935571	R26	A1	Resistor, 5.1K, 5W, 10%	954844
C26	B3	Transistor, 2N 355A - NPN	941364				
C27	B3	Transistor, 2N 355A - PNP	935571				
C28	A1	Transistor, 2N 355A - NPN	941364				
C29	A1	Transistor, 2N 355A - PNP	935571				

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

PLUGS & SOCKETS: 8030 KIT

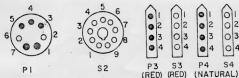


Fig. 4

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: UPPER ROTOR CONTROL

PARTS LIST: LOWER ROTOR CONTROL

Upper Rotor 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)

Switch Only

Adhesive Cork

P4 Plug Housing,

4 ckt Molex - natural

P4 Male Molex

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.