



CONSOLE CONNECTOR KIT 9510

INSTALLATION INSTRUCTIONS

FOR USE WITH: HAMMOND Organ Models A-100, D-100, RT2, RT3
LESLIE Speaker Models 760, 770, 825

KIT CONTENT

Console Connector Assembly	043604	Echo Control		
Console Extension Assembly	043612		brown	032243
Hardware Package	044552		ebony	032250
Screw, wood, 6 x 1/2,			ivory	032268
Phillips head (4)	029124	Tremolo Control		
Screw, sheet metal, 8 x 1/2,			brown	042606
Phillips head (2)	029132		ebony	042614
Screw, sheet metal, bronze,			ivory	042622
8 x 1/2, Phillips head (2)	042408	Cable Assembly,		
Wire Nut (7)	028076	9-conductor, 30-foot		021600
Staple, insulated (7)	028464	Oilier		053025

CAUTION: Due to the presence of electrical potential and the danger of moving mechanical parts, installation procedures or adjustments requiring work inside the LESLIE speaker cabinet or the organ console should be performed only by a service man authorized by the dealer or factory to perform such work.

INSTALLATION

CAUTION: DISCONNECT ORGAN POWER BEFORE PROCEEDING!

1. Mount the echo and tremolo switches under the keyboard shelf, in a position convenient for the organist. Wood screws are provided.
2. Route the control cables through the keyboard shelf and into the amplifier section of the organ. If no hole is provided, drill a 1-inch-diameter hole in the shelf, being careful to select a location where no internal component will be damaged.
3. Tape the red, white, and black twisted wires from the console connector and fasten them out of the way; they are not used in this installation.
4. D-100, RT2, RT3 Mount the console connector to the right of the organ pre-amplifier and above the tone generator support shelf.

A-100 Mount the console connector to the left of the organ pre-amplifier, on the under side of the tone generator support shelf.

5. Connect the three wires from the tremolo control to the three matching colored wires from the console connector, using wire nuts. (B, figures 1, 2, 3)
6. Connect the four wires from the echo control to the four matching colored wires from the console connector, using wire nuts. (C)
7. Attach the plug of the console connector extension to the socket on the console connector. (I)
8. Connect the blue and gray wires from the extension to the 117V AC terminals behind the protective cover on the organ pre-amplifier. (D)
9. Connect the black wire from the console connector to the GND terminal on the pre-amplifier. (E)
10. Remove the red and black wires from the two G terminals on the pre-amplifier and connect them to the two screw terminals on the console connector. (F)
11. Connect the two red wires from the console connector (which end in spade lugs) to the two G terminals. (G)
12. Connect the cable assembly which comes in the kit between the console extension socket and the LESLIE speaker which is being used.
13. If necessary, adjust the LESLIE speaker volume.

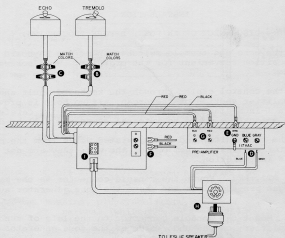


Figure 1. A-100 Interconnections

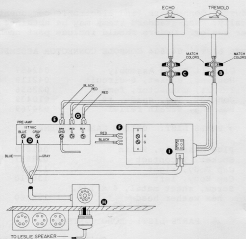


Figure 2. D-100 Interconnections

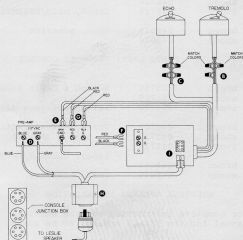


Figure 3. RT2 and RT3 Interconnections

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 as listed.

PARTS LIST: 043604 CONSOLE CONNECTOR ASSEMBLY

Circuit Board Assembly	042457
Housing, socket, 6-circuit	042119
Insert, connector, female	023556
Contact, lug, spade, #8	010439
Bushing, strain relief	034769

PARTS LIST: 021600 CABLE ASSEMBLY

Plug Assembly, 9-pin	061879
Socket, 9-contact	028837
Cap Body, right	130000
Cap Body, left	130010
Screw, sheet metal, 4 x 1/2, hex washer head	136360

PARTS LIST: ECHO CONTROL

Switch Case		Switch & Cable Assembly	035584
	brown 103750		
	ebony 103760	Switch Retainer (2)	048116
	ivory 103770		
Case Cover		Screw, thread-cutting, 6-32 x 3/8 (2)	029140
	brown 048702		
	ebony 048710		
	ivory 048728	Label, MAIN/ENSEMBLE/ECHO	103670
Switch Knob		Cork, adhesive	029157
	brown 048066		
	ebony 048074		

PARTS LIST: TREMOLO CONTROL

Switch Case		Switch & Cable Assembly	042598
	brown 103750		
	ebony 103760	Switch Retainer (2)	048116
	ivory 103770		
Case Cover		Screw, thread-cutting, 6-32 x 3/8 (2)	029140
	brown 048702		
	ebony 048710		
	ivory 048728	Label, CHORALE/OFF/TREMOLO	103650
Switch Knob		Cork, adhesive	029157
	brown 048066		
	ebony 048074		

MULTIPLE SPEAKER INSTALLATION

For complete information see the service manual for the LESLIE speaker to be added.

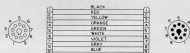


Figure 4. Schematic, 021600 Cable Assembly
(Plug and Socket Viewed from Wire End)

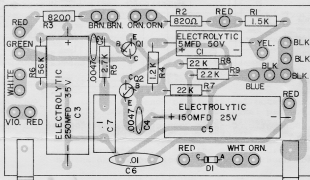


Figure 5. 042457 Circuit Board Assembly

C1	Capacitor, electrolytic, 5 mfd, 50V	028589
C2,C4	Capacitor, ceramic disc, .0047 mfd, 100V	028431
C3	Capacitor, electrolytic, 250 mfd, 35V	065086
C5	Capacitor, electrolytic, 150 mfd, 25V	031294
C6	Capacitor, ceramic disc, .01 mfd, 1000V	060467
C7	Capacitor, flat foil, 0.1 mfd, 200V	022251
D1	Diode, Zener	118870
Q1,Q2	Transistor, 2N3859A	061366
R1	Resistor, 1.5K, 1/2W, 10%	022277
R2,R3	Resistor, 820-ohm, 1/2W, 10%	028373
R4	Resistor, 1.2K, 1/2W, 10%	018036
R5	Resistor, 2.7K, 1/2W, 10%	042549
R6	Resistor, 56K, 1/2W, 10%	024133
R7,R8	Resistor, 22K, 1/2W, 10%	028530
R9	Resistor, 2.2K, 1/2W, 10%	028571

