

CONSOLE CONNECTOR KIT 9503

THETALLATION INSTRUCTIONS

FOR USE WITH: HAMMOND Organ Models C-2, C-3 LESLIE Speaker Model 760, 770, 825

rm coaimpaim

Console Connector Assembly		042440	Echo Control		
Console Connector Extension		042648		brown	032243
Hardware Package		044552		ebony	032250
Screw, wood, 6 x 1/2,				ivory	032268
Phillips head (4)		029124	Tremolo Control		
Screw, sheet metal,				brown	042606
8 x 1/2, Phillips head	(2)	029132		ebony	042614
Screw, sheet metal,				ivory .	042622
8 x 1/2, Phillips head	(2)	042408	Cable Assembly,	9-conductor,	
Wire Nut (7)		028076	30-foot		021600
Staple, insulated (7)		028464	Oiler		053025

CAUTION: Due to the presence of electrical potential and the danger of moving mechanical parts, installation procedures or adjustments

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.

NSTALLATION

CAUTION: DISCONNECT ORGAN POWER BEFORE PROCEEDING!

- Mount the echo and tremolo switches on the wooden rail in front of the lower manual, in a position convenient for the organist. Wood screws are provided.
- Route the control cables under the lower manual, through the keyboard shelf, and into the amplifier section of the console.
- Mount the console connector chassis inside the console within reach of the adapter and control cables, using sheet metal screws.
- Tape the red, white, and black twisted wires from the connector console and fasten them out of the way; they are not used in this installation.
- Connect the three wires from the tremolo control to the correspondingly colored jacketed wires from the console connector, using wire nuts. (B, figure 1)

- Connect the four wires from the echo control to the correspondingly colored <u>jacketed</u> wires from the console connector, using wire nuts. (C)
- Locate the "down tube" in the organ. Remove the screw from the locking clamp which holds the down tube (on too of the junction box). Slide the tube up approximately three inches. (D)
- Guide the wires that are in the down tube through the opening in the extension chassis. (E, figure 2)
- Drop a string through the down tube and tie the string around the plug of the extension cable. (F)
- Pull the cable up the tube and into the tone generator section of the organ. Remove the string. Insert the plug into the appropriate socket on the console connector. (G, figure 1)
- Connect the blue and the gray extension cable wires to the 117V AC terminals behind the protective cover on the organ preamplifier. (B)
- Fit the down tube into the opening in the extension chassis.
 Mount the chassis, using the bronze colored wood screws from
 the kit. (figure 2)
 - NOTE: The terminals on the pre-amplifier (steps 13 and 15) may be solder-type terminals. If this is the case, cut the spade lugs from the console connector wires and solder the wires to the terminals.
- Connect the black wire from the console connector to the GND terminal on the organ pre-amplifier. (I, figure 1)
- Remove the red and the black wires from the two G terminals on the pre-amplifier and connect them to the two screw terminals on the console connector. (J)
- Connect the two red wires from the console connector to the G terminals. (K)
- Connect the speaker cable between the socket on the extension chassis and the LESLIE speaker.
- 17. If necessary, adjust the volume of the LESLIE speaker.

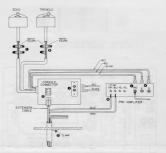


Figure 1. Interconnections

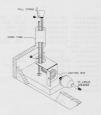


Figure 2. Cable and Down Tube Extension Installation



Schematic, Cable Assembly 021600 (Plug and Socket Shown from Wire End)

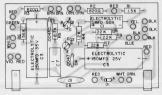


Figure 3. Circuit Board Assembly 042457

C1 C2,C4 C3	Capacitor, electrolytic, 5 mfd, 50V Capacitor, ceramic disc, .0047 mfd, 100V Capacitor, electrolytic, 250 mfd, 35V	028589 028431 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
01,02	Transistor, 2N3859A	061366
Rl	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
	Etched Circuit Board	040931

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: 042440 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	nig-9				061879
Socket, 9-contac					02883
Cap, body					02204
Clamp, cut					02207
Screw, machine,	6-32	×	3/8	(4)	02797

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,	
	brown	048702	6-32 x 3/8 (2)	029140
	ebony	048710		
	ivory	048728	Label, CHORALE/OFF/TREMOLO	103650
Switch Knob				
0.12.0011 1.11.011	brown	048066	Cork, adhesive	029157
	ebony	048074		
	coony			
	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,	
case cover	brown	048702	6-32 x 3/8 (2)	029140
	ebony	048710		
	ivory	048728	Label, MAIN/ENSEMBLE/ECHO	103670
Switch Knob				
DWICCH ANDD	brown	048066	Cork, adhesive	029157

048074 MULTIPLE SPEAKER INSTALLATION

ebony

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

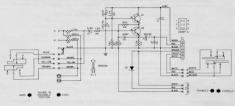


Figure 4. Schematic, 042440 Console Connector Assembly and Controls (Flugs and Sockets Shown from Wire End)



Figure 5. Schematic, 042648 Console Connector Extension (Plug and Socket Viewed from Wire End)

PARTS LIST: 042648 CONSOLE CONNECTOR EXTENSION Cable Assembly, extension 042465 Socket, 9-contact 028837

Housing, plug, 6-circuit 023259 Insert, contact, male 023309 Ring, socket retainer 031948 Screw, sheet metal, 6 x 1/4 042366