

CONSOLE CONNECTOR KIT 9500 INSTALLATION INSTRUCTIONS
FOR USE WITH: HAMMOND Organ Models B2, B3
LESLIE Speaker Model 760, 770, 825

KIT CONTENT

Console Connector Assembly	042440	Switch Assembly, CHOR/OFF/TREM
Console Connector Extension	042432	(tremolo control)
Cable Assembly,		brown 042606
9-conductor, 30-ft	021600	ebony 042614
Oiler	053025	ivory 042622
Screw, sheet metal,		
8 x 1/2 Phillips head (2)	029132	Switch Assembly, MAIN/ENS/ECHO
Screw, wood, 6 x 1/2,		(echo control)
Phillips head (4)	029124	brown 032243
Screw, sheet metal,		ebony 032250
8 x 1/2 Phillips head (2)	042408	ivory 032268
Staple, insulated (7)	028464	

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

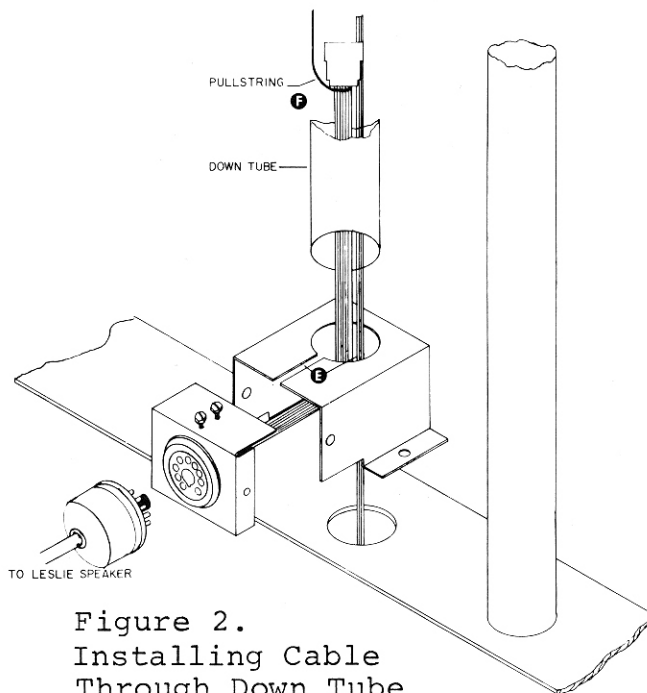
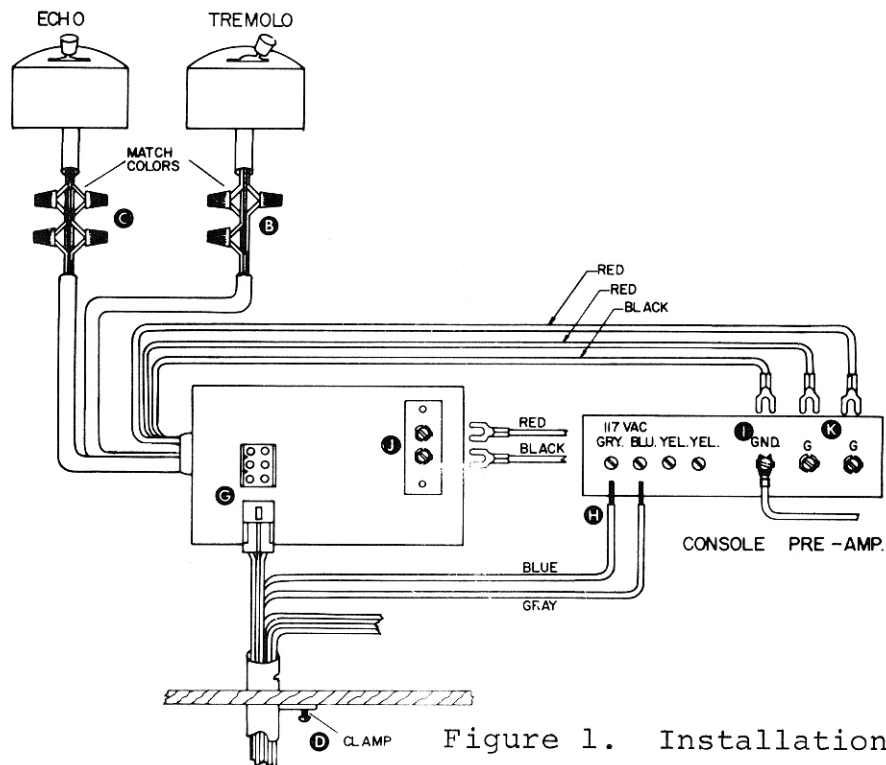
CAUTION: DISCONNECT ORGAN POWER BEFORE PROCEEDING!

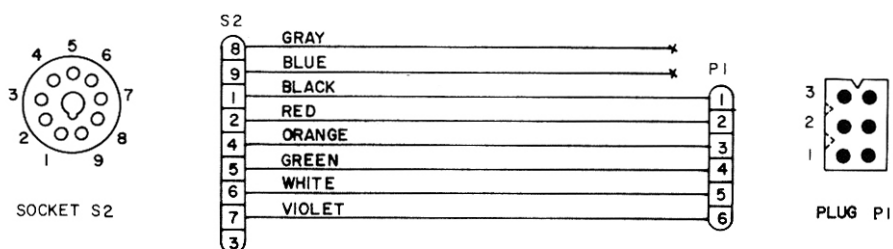
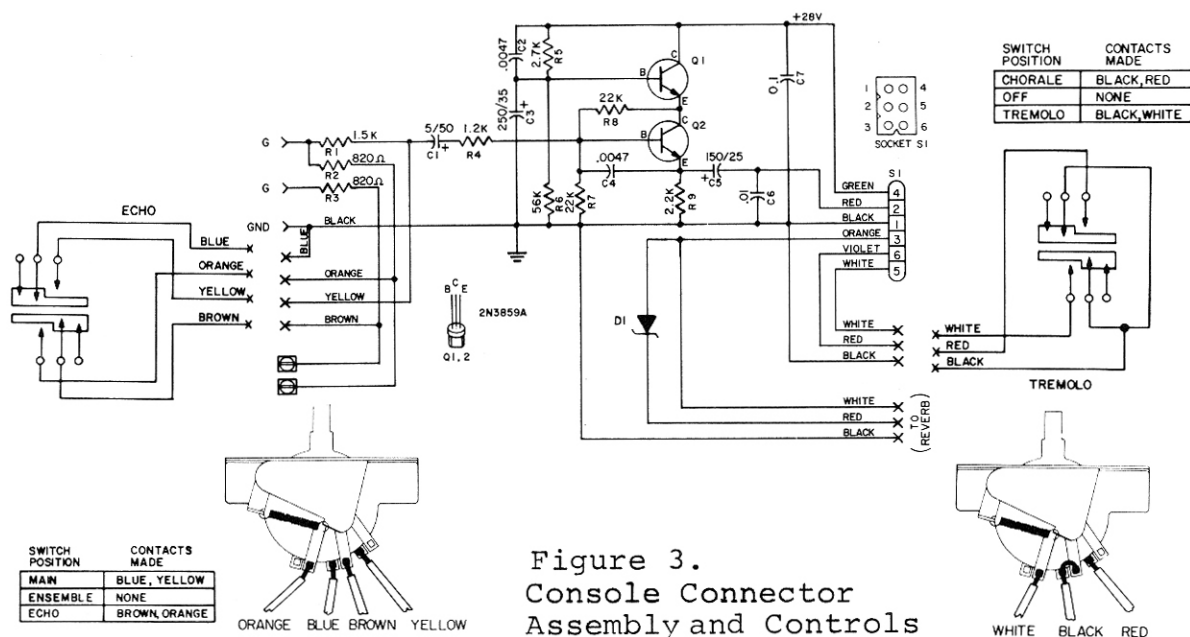
1. Mount the echo and tremolo control switches on the wooden rail in front of the lower manual, using the wood screws provided.
2. Route the control cables under the lower manual, through the keyboard shelf, and into the amplifier section of the console.
3. Mount the console connector chassis inside the console within reach of the adapter and control cables, using the sheet metal screws provided
4. Connect the three wires from the tremolo control and the three jacketed wires from the connector chassis, using the wire nuts provided. MATCH COLORS. (See "B" on Fig. 1) .
5. Connect the four wires from the echo control and the four jacketed wires from the connector chassis, using the wire nuts provided. MATCH COLORS. (See "C" on Fig. 1) .

6. Tape the RED, WHITE, and BLACK twisted wires from the connector chassis together with electrical tape. They will not be used in this installation.
 7. Remove the screw from the locking clamp securing the "DOWN TUBE" nearest the console junction box. Slide the tube up approximately three inches.(See "D" on Fig. 1) .
 8. Remove the two side screws and loosen the two top screws of the extension chassis and remove the end plate from the chassis body. (See Fig. 2) .
 9. Guide the existing console wires through the slot in the extension chassis. (See "E" on Fig. 2) .
 10. Drop a pull string through the down tube and tie it around the extension cable plug.(See "F" on Fig. 2) .
 11. Pull the extension cable up the tube and into the tone generator section of the console. Insert the plug into the socket on the connector chassis.(See "G" on Fig.1).
 12. Connect the BLUE and GRAY extension cable wires to the 117VAC terminals behind the protective cover on the console Pre-amp. (See "H" on Fig. 1) .
 13. Fit the down tube into the extension chassis and reassemble the chassis. Mount the chassis, using the bronzed sheet metal screws provided in the kit.(See Fig.2)
 14. Connect the BLACK connector wire to the GND terminal on the console Pre-amp. (See "I" on Fig. 1) .
 15. Remove the RED and BLACK wires from the two G terminals on the console Pre-amp and connect them to the two screw terminals on the connector chassis.(See "J" on Fig. 1) .
 16. Connect the two RED connector wires to the two G terminals on the console Pre-amp.(See "K" on Fig. 1) .
- NOTE: Terminals in steps 12 and 14-16 may be solder-type terminals. If this is the case remove the spade lugs from the connector wires and solder the wires to the terminals.
17. Plug the LESLIE speaker cable into the socket on the extension chassis.
 18. Adjust the volume as outlined on the speaker back card or in the LESLIE service manual. The installation is now complete.

CONSOLE CONNECTOR EXTENSION PARTS

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





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-pin	061879
Socket, 9-contact	028837
Cap, body	022046
Clamp, cut	022079
Screw, machine, 6-32 x 3/8 (4)	027979

PARTS LIST: TREMOLO CONTROL

Switch Case		Switch & Cable Assembly	042598
brown	103750		
ebony	103760		
ivory	103770	Switch Retainer (2)	048116
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			
brown	048066	Cork, adhesive, 11/16 x 3	029157
ebony	048074		

PARTS LIST: ECHO CONTROL

Switch Case	Switch & Cable Assembly	035584	
brown	103750		
ebony	103760		
ivory	103770	Switch Retainer (2)	048116
Case Cover		Screw, thread-cutting,	
brown	048702	6-32 x 3/8 (2)	029140
ebony	048710		
ivory	048728	Label, MAIN/ENS/ECHO	103670
Switch Knob			
brown	048066	Cork, adhesive, 11/16 x 3	029157
ebony	048074		

MULTIPLE SPEAKER INSTALLATION

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

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
D1	Diode, Zener	059452
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

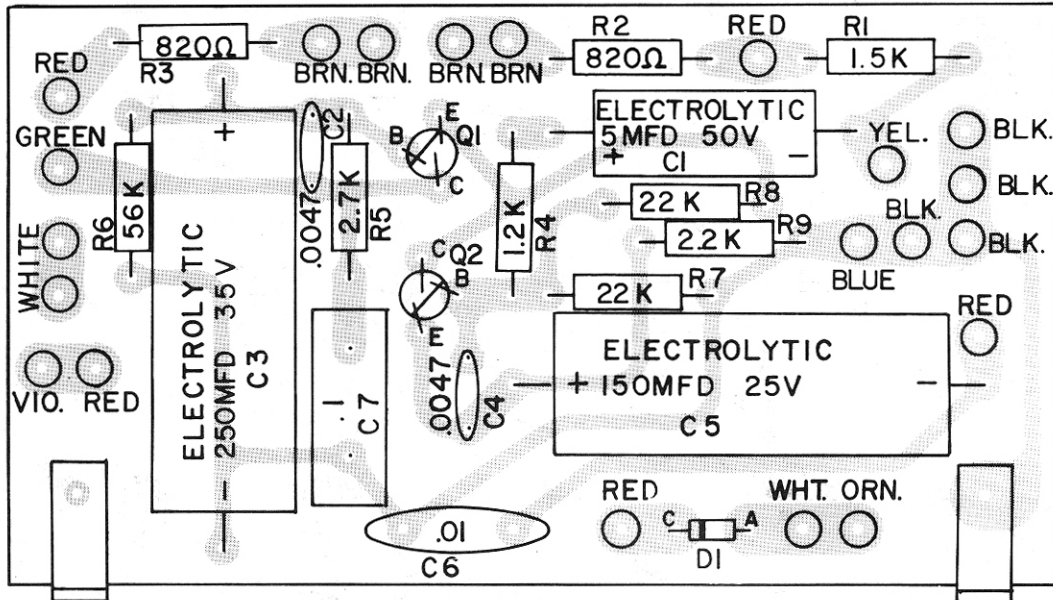


Figure 5. Circuit Board Assembly Part No. 042457