

CONSOLE CONNECTOR KIT 9501 INSTALLATION INSTRUCTIONS

FOR USE WITH: HAMMOND Organ Models L-100, M-100 Series, M-1, M-2, M-3
LESLIE Speaker Models 760, 770, 825

KIT CONTENT

Console Connector Assembly	043075	Echo Control	
Console Adapter	042770	brown	042200
Cable Assembly, 9-conductor, 30-foot	021600	ebony	042218
Oiler	053025	ivory	042226
Hardware Package	045989	Tremolo Control	
Screw, machine, 8 x 1/2, Phillips head (2)	029132	brown	043281
Screw, wood, 6 x 1/2, Phillips head (4)	029124	ebony	043299
Staple, insulated (8)	028464	ivory	043307
		Connector, male	029371
		Connector, female (2)	029389
		Wire Nut (7)	028076

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 cable through the keyboard shelf and to the amplifier section of the organ. If no opening 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. Mount the console connector in such a position that the echo and tremolo control cables can reach the console connector and the adapter cable can reach its intended connections.

NOTE: At this point, read through the remainder of the instructions. For some organs the procedures described will shorten the over-all length of the adapter; this could affect the placement of the console connector.

L-100, M-100

4. Take the adapter assembly and cut the wires connecting the 5-pin plug and socket assembly to the 6-pin plug portion, just behind the screw terminals. (That is, cut so that the terminals will be removed with the plug and socket assembly.) Discard the plug and socket assembly.
5. Strip the end of the black and the green wires and solder a female tab connector (provided in the kit) to each one.
6. Look at the SIGNAL terminal on the organ speaker. If there is a single green wire attached to this terminal go to step 7. If there are two wires (red and green) go to step 9.
7. Strip the end of the red wire of the adapter and solder a male connector (provided in the kit) to the wire.
8. Remove the green wire from the SIGNAL terminal and connect it to the red wire of the adapter. Insulate the connection with plastic sleeving. Go to step 11.
9. Remove the red and the green wires from the SIGNAL terminal. Cut the connectors from the wires and strip the wire ends.
10. Connect the red and green wires to the red wire of the adapter, using a wire nut.
11. Connect the green wire of the adapter to the SIGNAL terminal on the speaker.
12. Connect the black wire of the adapter to the extra tab on the GROUND terminal of the organ speaker. (Do not remove the wire which is already there.)
13. Go to step 14.

M-1, M-2

4. Unscrew the three connections between the plug and socket assembly of the adapter and the 6-contact plug. Discard the plug and socket assembly.
5. Remove the green speaker wire from the OUTPUT terminal on the organ amplifier and connect it to the screw terminal of the green adapter wire.
6. Connect the red wire of the adapter to the OUTPUT terminal.
7. Connect the black wire of the adapter to the speaker OUTPUT terminal to which a black wire is already connected.
8. Go to step 14.

M-3

4. Remove the 5-pin SPEAKER plug from the organ amplifier and plug it into the 5-contact socket of the adapter.
5. Insert the 5-pin plug of the adapter into the SPEAKER socket.
6. Go to step 14.
14. Connect the 6-pin plug of the adapter into the socket marked CONSOLE, on the console connector.
15. Connect the echo control plug to the ECHO SW socket on the console connector.
16. Connect the tremolo control plug to the TREM SW socket on the console connector.
17. Connect the cable assembly which comes in the kit between the LESLIE SPKR socket of the console connector and the LESLIE speaker being used.
18. Connect the blue and gray adapter wires to the switched 117V AC terminals on the organ amplifier.
19. If necessary, adjust the volume of the LESLIE speaker.

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: 043075 CONSOLE CONNECTOR ASSEMBLY

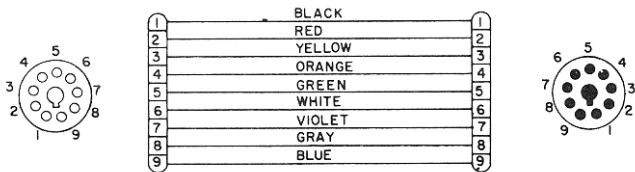
Socket With Mounting Plate, 9-contact	061713
Screw, sheet metal, 12 x 3/8	029314
Resistor, wire-wound, 32-ohm, 10W, 10%	029769
Housing, socket, Molex, 6-circuit, natural (white) (S4)	042119
Housing, socket, 4-circuit, natural (white) (S5)	042093
Connector, insert, female	023556
Housing, socket, 3-circuit, natural (white) (S3)	042077
Connector, insert, female	023556
Housing, socket, 3-circuit, red (S2)	043265
Connector, insert, male	023309
Diode, Zener	118870
Fuse Holder	055178
Fuse, Slo-Blo, 5-amp, 125V	102800
Screw, sheet metal, 6 x 1/4	026666
Lug, ground, #8	029355
Terminal Strip, 2-lug	129500

PARTS LIST: 042770 CONSOLE ADAPTER

ConsPlug, 5-pin	021238
Socket, 5-contact	033670
Cap	029231
Lug, spade, #8 (2)	010439
Lug, ring, #8 (2)	010447
Nut, Tinnerman, natural (2)	025965
Screw, machine, 6-32 x 3/16 (2)	024430
Housing, plug, 6-circuit, natural (white)	023259
Connector, insert, male	023309

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



(Plug and Socket Viewed from Wire End)

PARTS LIST: ECHO CONTROL

Switch Case		Switch, Cable, & Plug Assembly	042192
brown	103750		
ebony	103760		
ivory	103770	Switch Retainer (2)	048116
Case Cover		Screw, thread-cutting, 6-32 x 3/8	029140
brown	048702		
ebony	048710		
ivory	048728		
Switch Knob		Label, MAIN/ENSEMBLE/ECHO	103670
brown	048066		
ebony	048074	Cork, adhesive	029157

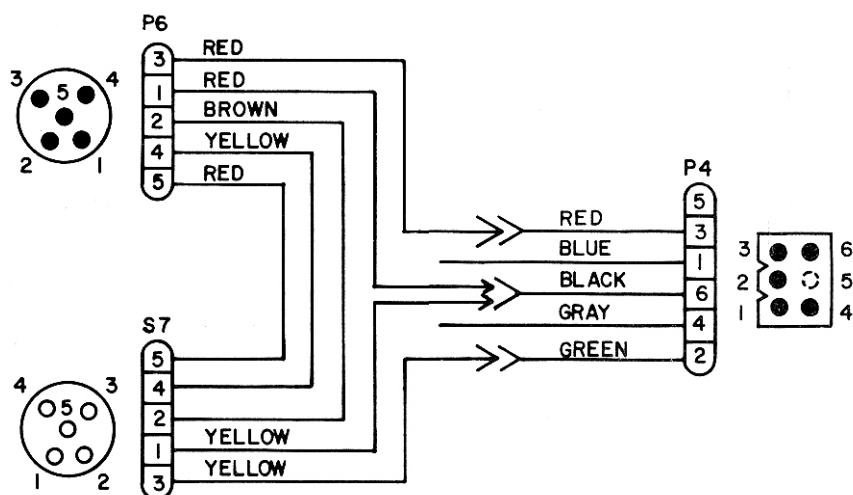
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PARTS LIST: TREMOLO CONTROL

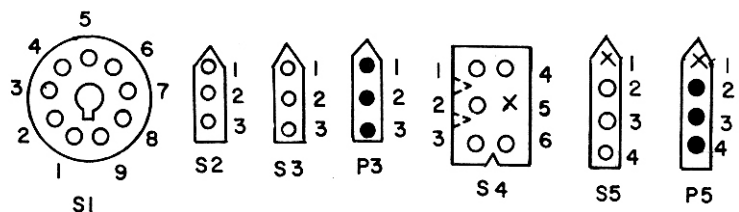
Switch Case		Switch, Cable, & Plug	
brown	103750	Assembly	043315
ebony	103760		
ivory	103770	Switch Retainer (2)	048116
Case Cover			
brown	048702	Screw, thread-cutting,	
ebony	048710	6-32 x 3/8 (2)	029140
ivory	048728		
Switch Knob		Label, CHORALE/OFF/TREMOLO	103650
brown	048066		
ebony	048074	Cork, adhesive	029157

MULTIPLE SPEAKER INSTALLATION

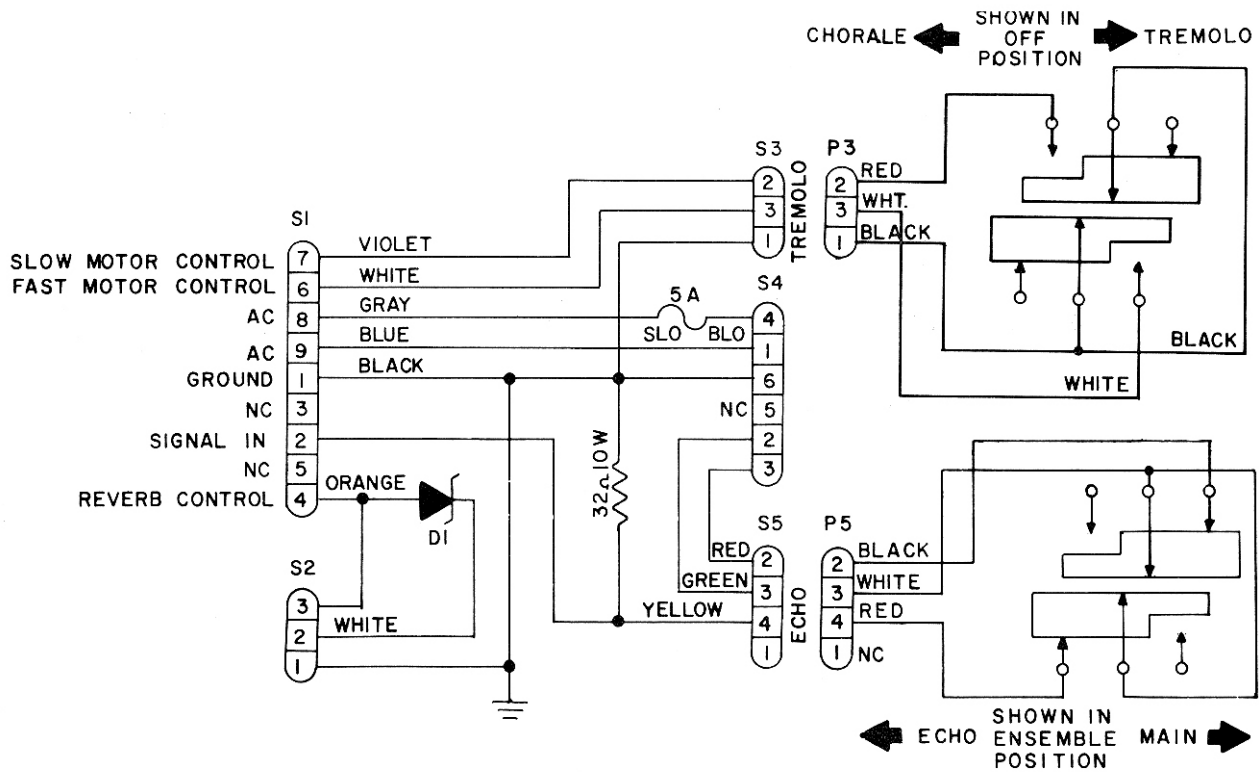
For complete information see the service manual for the LESLIE speaker to be added.



Schematic, Console Adapter 042770
 (Plugs and Sockets Shown from Wire End)



Plugs and Sockets (Shown from Wire End)



Schematic, Console Connector 043075 and Controls