

LESLIE 8401 CONSOLE CONNECTOR KIT INSTALLATION INSTRUCTIONS

FOR USE WITH: HAMMOND Models B2, B3

LESLIE Speakers: 122, 122V, 122RV, 142, 222, 222RV

MULTIPLE SPEAKER INSTALLATION: Installation of this console connector permits a LESLIE Speaker to be used with an external HAMMOND Speaker. The console connector Echo control can be switched to combine both speakers, or allow either speaker to be played independently.

Where additional LESLIE Speakers are desired, consult the Multiple Speaker Installation section of their LESLIE Service Manual(s).

CONTENTS OF KIT:

1 Console Connector	047357	1 Echo Control
1 Extension	047365	032243 brown
1 6 Conductor Cable	017277	032250 ebony
1 Instructions	047449	032268 ivory
7 Insulated Staples	028464	
1 Oiler	053025	
2 Screws, 8 x 1/2	029132	1 Tremolo Control
4 Screws, 6 x 1/2	029124	015594 brown
6 Wire Nuts	028076	015602 ebony
2 Screws, 8 x 1/2 Bronzed	042408	015610 ivory

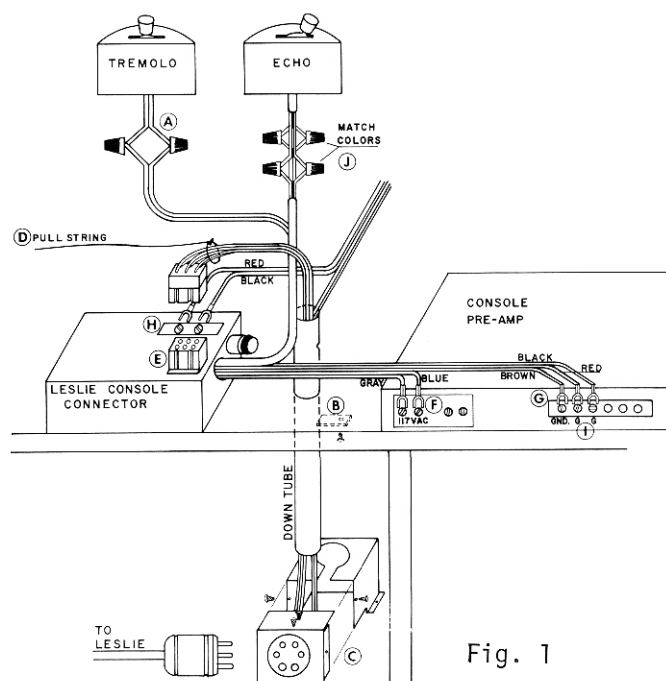
TO INSTALL THE KIT:

1. Mount Echo and Tremolo Control Switches to the wooden rail in front of the lower manual. Use the black oxide screws provided in the hardware kit.
2. Route Echo and Tremolo control cables under the lower manual, through the keyboard shelf, and into the amplifier section of the organ. Fasten with staples provided.
3. Mount console connector chassis inside the organ within reach of the HAMMOND preamplifier, down tube, and the Echo and Tremolo control cables. Use the cadmiumplated screws provided.
4. Connect the Tremolo control cable wires to the AC type wires from the console connector chassis. Use wire nuts provided. (See "A" on Fig. 1)
5. Connect the Echo control cable's ORANGE, BLUE, BROWN, and YELLOW wires to matching ORANGE, BLUE, BROWN, and YELLOW wires protruding from the console connector's brown shielded cable. (See "J" on Fig. 1)
6. Locate the down tube near the HAMMOND junction box and remove its screws and locking clamp. (See "B" on Fig. 1) Slide tube up approximately 3" to make room for the console connector extension.

7. Remove the two side screws from the extension. Then loosen the two top screws and slide chassis' end plate out of the chassis body. (See "C" on Fig. 1)
 8. Guide the existing HAMMOND console wires through slot in the extension chassis. (See "C" on Fig. 1)
 9. Drop a pull string through the down tube and tie string to the extension cable plug. (See "D" on Fig. 1)
 10. Pull extension cable up the tube and onto the Tone Generator support shelf. Insert the extension plug into its socket on the console connector chassis. (See "E" on Fig. 1)
 11. Fit the down tube into its hole in the extension chassis and reassemble the chassis. Using the BRONZED wood screws provided, mount extension chassis to the bottom shelf. (See "C" on Fig. 1)
 12. Connect BLUE and GREY console connector wires to the 117 VAC terminals behind the protective cover on the HAMMOND pre-amplifier. (See "F" on Fig. 1)
 13. Connect BROWN console connector wire to the "GND" terminal on the HAMMOND preamplifier. (See "G" on Fig. 1)
 14. Remove RED and BLACK main speaker wires from the two "G" terminals on the HAMMOND pre-amplifier. (See "I" on Fig. 1) Connect these wires to the two screw terminals on the console connector chassis. (See "H" on Fig. 1)
 15. Connect RED and BLACK console connector wires to the HAMMOND pre-amplifier "G" terminals. (See "I" on Fig. 1)
- NOTE: Terminals in steps 12-15 may be solder-type terminals. If so, remove spade lugs from the console connector wires and solder them in place.
16. Plug the Leslie Speaker cable into its socket on the console connector extension chassis.
 17. Adjust speaker volume according to the speaker back card or the Leslie service manual. Installation is now complete.

PARTS LIST: PLUGS AND SOCKETS

P1	Housing, Plug, 6 Pin Molex	023259
P1	Male Insert	023309
S1	Housing, Socket, 6 Contact	042119
S1	Female Insert	023556
S2	Socket, 6 Contact	029546



PARTS LIST: ECHO & TREMOLO CONTROLS

ECHO CONTROL

Echo Switch Case

029199 brown

029207 ebony

029215 ivory

Switch Case Cover

048702 brown

048710 ebony

048728 ivory

Switch Knob

048066 brown

048074 ebony

Switch Retainer (2) 048116

Switch Only 010249

TREMOLO CONTROL

Tremolo Switch Case

012260 brown

012278 ebony

012286 ivory

Switch Case Cover

048702 brown

048710 ebony

048728 ivory

Switch Knob

048066 brown

048074 ebony

Switch Retainer (2) 048108

Switch Only 042911

CIRCUIT BOARD ASSEMBLY PARTS LIST

Part No.	Description	EMI No
	Circuit Board, w/o Parts	044198
C1	Capacitor, 10 Mfd, 250 Volts	018093
R1,R2,R3,R4	Resistor, 820 Ohm, 1/2 Watt, 10%	028373
R5	Resistor, 15K Ohm, 1/2 Watt, 10%	048157
R6	Resistor, 150K Ohm, 1 Watt, 10%	024117
R7	Resistor, 47K Ohm, 1 Watt, 10%	018457

047365 EXTENSION CABLE

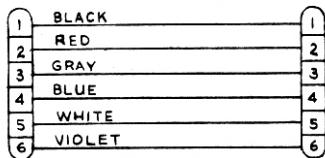


Fig. 2

PLUGS AND SOCKETS

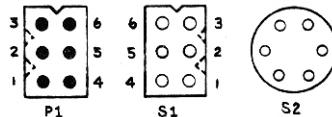


Fig. 3

047506 CIRCUIT BOARD ASSEMBLY

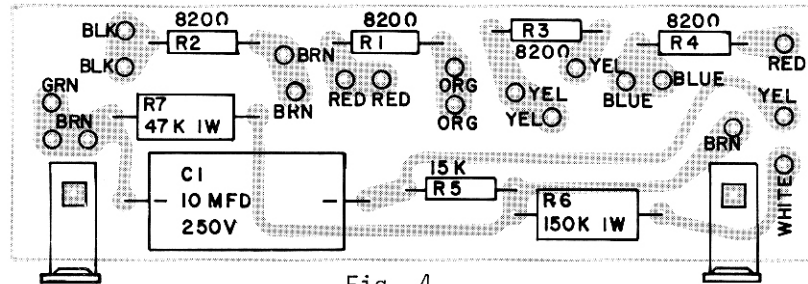


Fig. 4

Console Connector Schematic

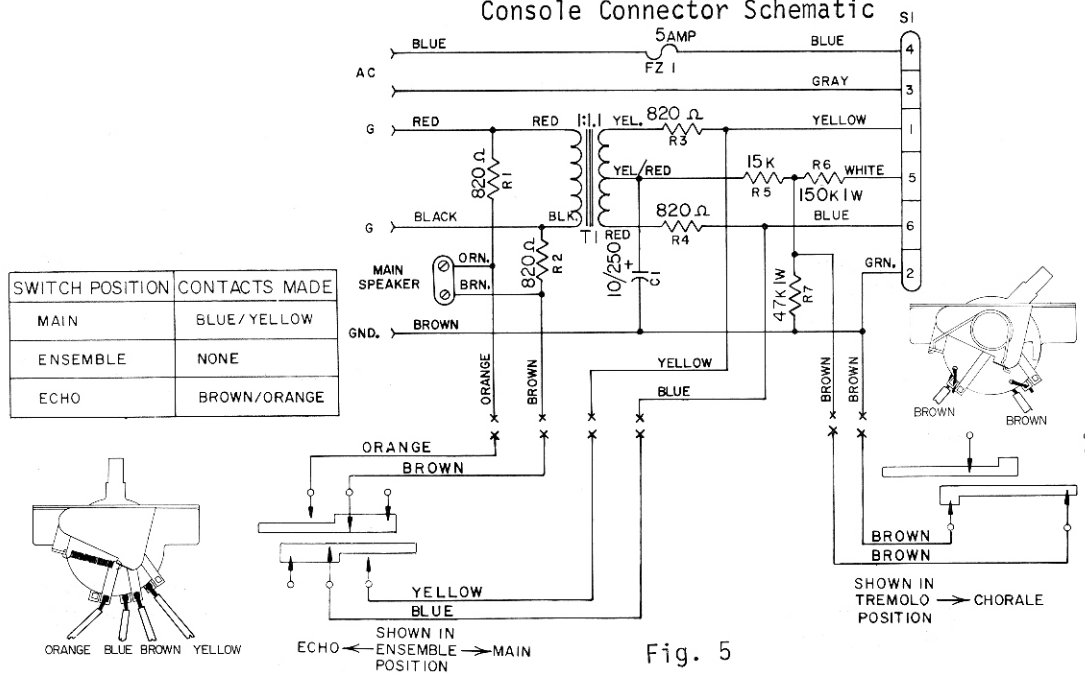


Fig. 5