

LESLIE 8402

CONSOLE CONNECTOR KIT

INSTALLATION INSTRUCTIONS

FOR USE WITH: HAMMOND Models C2, C3

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 | 047373 | |
| 1 6 Conductor Cable | 017277 | 032243 brown |
| 1 Instructions | 047456 | 032250 ebony |
| 7 Insulated Staples | 028464 | 032268 ivory |
| 1 Oiler | 053025 | |
| 2 Screws, 8 x 1/2 | 029132 | 1 Tremolo Control |
| 4 Screws, 6 x 1/2 | 029124 | |
| 6 Wire Nuts | 028076 | 015594 brown |
| 2 Screws, 8 x 1/2, Bronzed | 042408 | 015602 ebony |
| | | 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 hardware kit.
2. Route Echo and Tremolo control cables under the lower manual, through the keyboard shelf, and into the amplifier section of the HAMMOND. Fasten with staples provided.
3. Mount the console connector chassis inside the organ to the left of the HAMMOND pre-amplifier. Locate it within reach of the HAMMOND down tube, (See "B" on Fig. 1) the pre-amplifier, and the Echo and Tremolo control cables. Use the cadmium-plated screws provided.
4. Connect the two Tremolo control wires to the AC type wires attached to the console connector. Use the wire nuts provided. (See "A" on Fig. 1)
5. Connect Echo control cable's ORANGE, BLUE, BROWN, and YELLOW wires to matching ORANGE, BLUE, BROWN, and YELLOW wires protruding from console connector's brown shielded cable. (See "J" on Fig. 1)
6. Locate the down tube atop the HAMMOND junction box and remove its screws and locking clamp. (See "B" on Fig. 1) Slide tube up about 3 inches to make room for the console connector chassis.
7. Guide the existing HAMMOND wires through the opening in the extension chassis. (See "C" on Fig. 2)
8. Drop a pull string through the down tube and tie it to the extension cable plug. (See "D" on Fig. 1 & 2)
9. Pull the extension cable up the tube and insert it into the socket on the console connector chassis. (See "E" on Fig. 1)

ELECTRO MUSIC

CBS Musical Instruments

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047456

10. Fit the down tube into the extension chassis. Then mount the extension chassis to the HAMMOND with the BRONZED wood screws provided. (See "C" on Fig. 2)
 11. 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)
 12. Connect BROWN console connector wire to the "GND" terminal on the HAMMOND pre-amplifier. (See "G" on Fig. 1)
 13. Remove RED and BLACK wires from the two "G" terminals on the HAMMOND pre-amplifier. Connect these wires to the two screw terminals on the console connector chassis. (See "H" on Fig. 1)
 14. Connect RED and BLACK console connector wires to the two "G" terminals on the HAMMOND preamplifier. (See "I" on Fig. 1)
- NOTE: Terminals in steps 11-14 may be solder-type terminals. If so, remove spade lugs from console connector wires and solder them in place.
15. Plug the Leslie Speaker cable into its socket on the extension chassis. (See Fig. 2)
 16. Adjust speaker volume as outlined on the speaker back card or the Leslie service manual. Installation is now complete.

CONSOLE CONNECTOR INSTALLATION

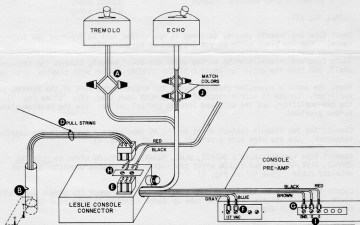


Fig. 1

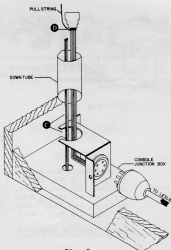


Fig. 2

047373 EXTENSION CABLE



Fig. 3

PLUGS AND SOCKETS

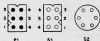


Fig. 4

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 |

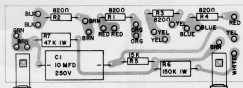


Fig. 5

CIRCUIT BOARD ASSEMBLY PARTS LIST

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

CONSOLE CONNECTOR SCHEMATIC

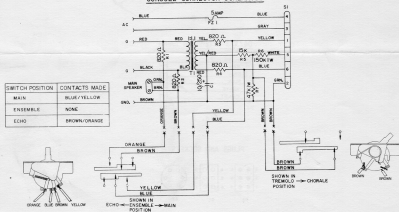


Fig. 6