

LESLIE 9660 CONSOLE CONNECTOR KIT INSTALLATION INSTRUCTIONS
FOR USE WITH. HAMMONO X-66 Organ
LESLIE 900 and HAMMOND #12 Speakers

MULTIPLE SPEAKER INSTALLATION: If more than two speakers are to be used in this installation, consult the service manual(s) of the additional speaker(s) to be connected.

CONTENTS OF KIT.

1 Console Connector	048470	
1 9-Conductor Cable	021600	1 Tremolo-Echo-Reverb Control
1 Instructions	048892	048579 ebony
3 Insulated Staples	028464	
1 Oiler	053025	
2 Screws, 6-32 x 5/16	028001	
2 Screws, #8 x 1/2	032771	
2 Cable Ties	032854	
1 Cable Clamp	032821	
1 Adapter Wire, 10"	028241	
1 Wire Nut	028076	
1 Flat Washer, #8 x 1/2	015578	

TO INSTALL THE KIT.

1. Remove the console back panel and the bolts securing the console top. Remove the top.
2. Remove the metal shield cover from the top of the tab-switch circuit case.
3. Remove the two brown wires from terminal "X76" of the Brite Voice Preamp Board Assembly. Connect these wires together with the wire nut provided. (See "A" on Fig. 1)
4. Solder one end of the adapter wire provided in hardware package to terminal "X76" of the Brite Voice Preamp Board Assembly. (See "A" on Fig. 1)
5. Strip approximately 1/4 inch of insulation away from one of the yellow wires attached to the "Tremulant" tab in the 8' Accompaniment Tab Bank. Solder the other end of the adapter wire to this wire. Insulate with plastic tape. (See "B" on Fig. 1) Replace the shield, top and back panel.
6. Loosen, but do not remove, the four screws securing the expression housing to the wooden base of the console. (See "C" on Fig. 2)
7. Place the insulation material provided on the front lip of the connector chassis. Insert the lip under the rear of the metal expression housing base. Center the chassis behind the housing. (See "D" on Fig. 2)

8. Drill two 1/16 inch pilot holes (See "G" on Fig. 2) and secure the connector chassis with the wood screws provided.
9. Re-tighten the screws securing the expression housing. (See "C" on Fig. 2)
10. Remove the Model 12 speaker cable from the console "OUTPUT" socket and plug it into the 7-contact socket on the connector chassis. (See "G" on Fig. 2)
11. Plug the adapter cable into the "OUTPUT" socket on the console. (See "F" on Fig. 2)
12. Plug the Leslie Speaker cable into the 9-contact socket on the console connector chassis. (See "E" on Fig. 2)
13. Remove the first and second flathead machine screws from the right side of the metal rail on the underside of the keyboard shelf and save them. They will not be used.
14. Remove the control switches from the black wooden mounting block. Install the block under the rail with the two long screws provided.
15. Replace the control switches on the mounting block.
16. Locate the row of black Phillips head screws under the keyboard shelf. Remove the second screw from the right, and place the plastic cable clamp and washer on it. Pass the control cables through the plastic cable clamp, and drive the screw and clamp into its hole in the keyboard shelf.
17. Route the control cable down the right-hand chrome stand and insert the plug into the 7-contact socket on the side of the connector chassis. Secure the control cable to the stand with the nylon cable ties provided. (See "H" on Fig. 2)
18. Take up any additional slack in the cable on the underside of the console. Fasten cable in place, using the staples provided.
19. Adjust the volume as outlined in the Leslie Service Manual. Installation is now complete.

PARTS LIST: PLUGS AND SOCKETS

Part	Description	EMI No.
P1	Plug, 7 Pin	061911
P1	Cap w/Cable Clamp	061739
S1	Socket, 7 Contact w/Mtg Plate	017954
S2	Socket, 9 Contact w/Mtg Plate	061713
P3	Housing, Plug, 6 Circuit Mo1ex	048926
P3	Male Insert	023309

S3	Housing, Socket, 6 Circuit Molex	048595
S3	Female Insert	023556
P4	Housing, Plug, 6 Circuit Molex	048926
P4	Female Insert	023556
S4	Housing, Socket, 6 Circuit Molex	048595
S4	Male Insert	023309

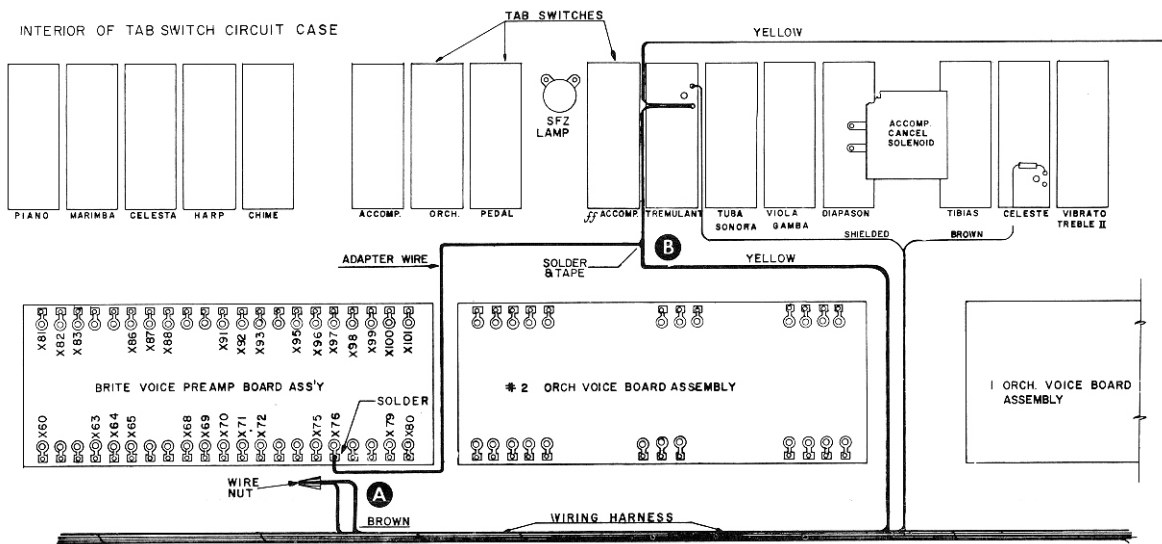


Fig. 1

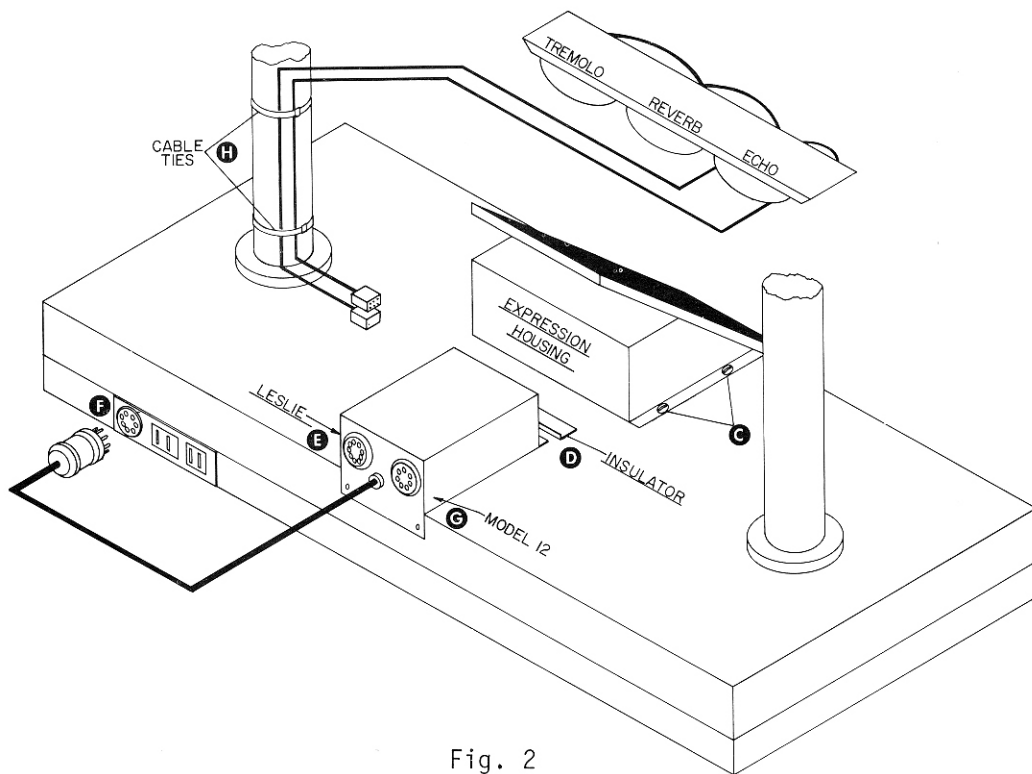


Fig. 2

9660 CONTROLS

3-SWITCH MOUNTING BLOCK -048538

TREMOLO CONTROL

Tremolo Switch Case

046987 ebony

Switch Case Cover

048710 ebony

Switch Knob

048074 ebony

REVERB CONTROL

Reverb Switch Case

047092 ebony

Switch Case Cover

048710 ebony

Switch Knob

048074 ebony

ECHO CONTROL

Echo Switch Case

029462 ebony

Switch Case Cover

048710 ebony

Switch Knob

048074 ebony

Switch Retainer (2) 048116

Switch Only 010249

6-Contact Plug (P4) 048926

Female Inserts (6) 023556

Switch Retainer (2) 048116

Switch Only 010249

6-Pin Plug (P3) 048926

Male Inserts (6) 023309

Switch Retainer (2) 048116

Switch Only 029173

047175 CIRCUIT BOARD PARTS LIST

PART	LOCATION	DESCRIPTION	EMI NO.
C1	A4	Capacitor, Poly, .1 Mfd, 250V, 20%	022251
C2	B3	Capacitor, Disk, .0047 Mfd, 100V, 10%	028431
C3	B3	Capacitor, Tantalum, 10 Mfd, 16V	041707
C4	B1	Capacitor, Electrolytic, 150 Mfd, 25V	031294
C5	B2	Capacitor, Disk, .01 Mfd, 1000V, 20%	060467
C6	A1	Capacitor, Disk, .0047 Mfd, 100V, 10%	028431
C7	A2	Capacitor, Electrolytic, 150 Mfd, 25V	031294
C8	A1	Capacitor, Poly, .1Mfd, 250V, 20%	022251
C9	A2	Capacitor, Poly, .1Mfd, 250V, 20%	022251
Q1	B3	Transistor, MSPS 4382	026237
Q2	B3	Transistor, 2N3859A	061366
Q3	B1	Transistor, 2N3859A	061366
Q4	A1	NPN Transistor, 2N4425	033563
R1	A4	Resistor, 470K, 1/2 Watt, 10%	018002
R2	A4	Resistor, 470K, 1/2 Watt, 10%	018002
R3	B4	Resistor, 22K, 1/2 Watt, 10%	028530
R4	B4	Resistor, 18K, 1/2 Watt, 10%	018028
R5	B3	Resistor, 100K, 1/2 Watt, 10%	028498
R6	B4	Resistor, 1K, 1/2 Watt, 5%	018044
R7	A3	Resistor, 10K, 1/2 Watt, 10%	028548
R8	A2	Resistor, 150 Ohm, 1/2 Watt, 10%	024158
R9	B3	Resistor, 2.2K, 1/2 Watt, 10%	028571
R10	B2	Resistor, 56K, 1/2 Watt, 10%	024133
R11	A1	Resistor, 2.2K, 1/2 Watt, 10%	028571
R12	A1	Resistor, 56K, 1/2 Watt, 10%	024133

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 shown above.

9660 PLUGS AND SOCKETS

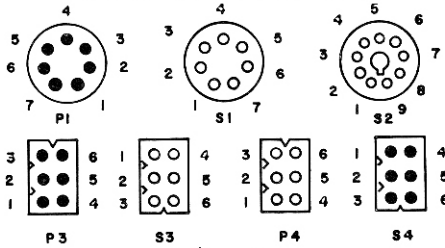


Fig. 3

047175 CIRCUIT BOARD ASSEMBLY

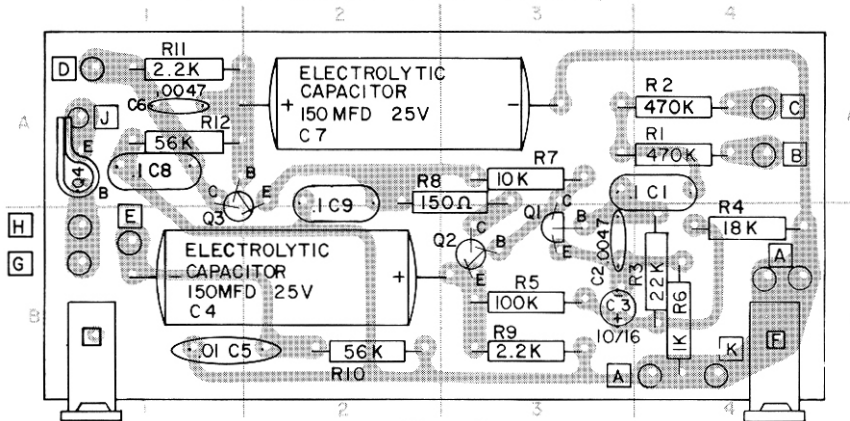


Fig. 4

SCHEMATIC: 9660 CONSOLE CONNECTOR W/CONTROLS

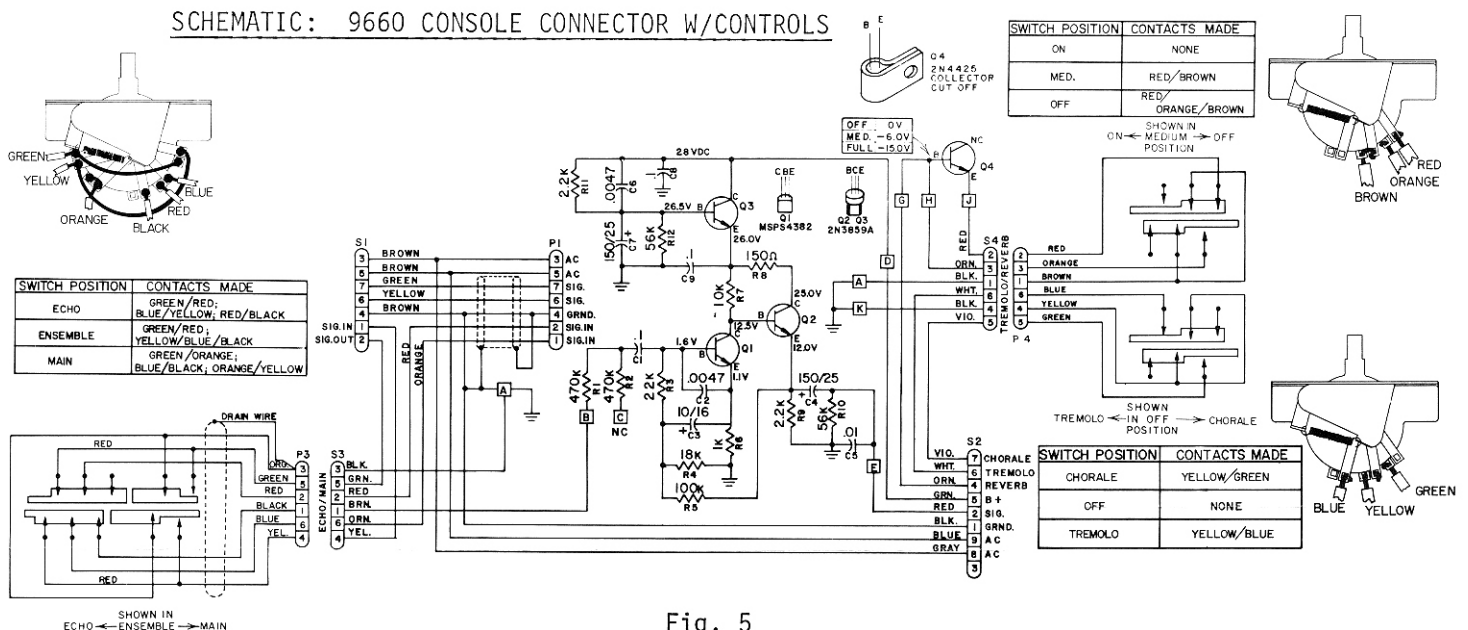


Fig. 5