



CONSOLE CONNECTOR KIT 8240

INSTALLATION INSTRUCTIONS

FOR USE WITH: HAMMOND Organ Models H-100, -200, -300 Series
LESLIE Speaker Models 122, 142, 242,
in conjunction with HAMMOND #10 Speaker

KIT CONTENT

Console Connector Assembly	015644	Tremolo Control	
Hardware Package	039503		brown 015594
Wire Nut (2)	028076		ebony 015602
Staple, insulated (4)	028464		ivory 015610
Screw, sheet metal, 8 x 1/2, Phillips head (2)	029132	Echo Control	
Screw, wood, 6 x 1/2, Phillips head (4)	029124		brown 024240
			ebony 024232
			ivory 024224
Cable Assembly, 6-conductor 30-foot	017277	Oilor	053025

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.

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.

2. Route the control cables under the lower manual, through the knee panel, and into the amplifier section of the organ. If no opening is provided, drill a 7/8-in. hole in the knee panel just under the lower manual.
3. Mount the console connector chassis inside the organ within reach of the organ amplifier and the control cables, using the wood screws provided.
4. Connect the cable from the tremolo control to the two bare leads on the console connector, using the wire nuts provided. (A, figure 1)
5. Remove the jumper plug from the console connector ECHO SW socket; discard it. Connect the cable from the echo control to this socket. (B)

6. Remove the Hammond Model 10 speaker connection (plug) from the socket marked TONE CAB, on the organ amplifier. Connect this plug to the MAIN socket on the console connector. (C)
7. Insert the plug of the console connector cable into the TONE CAB socket (D) on the organ amplifier.
8. Move the CONSOLE — TONE CAB. switch (E) on the amplifier to TONE CAB.
9. Connect the cable provided in this kit between the console connector and the LESLIE speaker.
10. Depress the EXT SPEAKER tab at the organ console. Set the echo control to ECHO.
11. Depress the swell control to maximum and extend all drawbars to the seventh position. Sound one chord and one pedal note together. At the same time, adjust the VOL. CONTROL (F) on the console connector until some distortion is heard; then back the control off until the distortion is eliminated.
12. Adjust the LESLIE speaker volume as described in the owner's manual. Adjust the volume of the Hammond Model 10 speaker as desired.
13. Set the console connector TONE CONTROL to the desired brilliance. The installation is now complete.

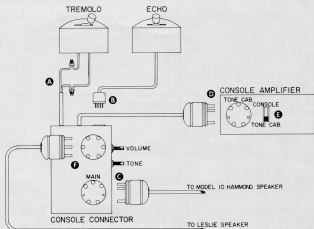


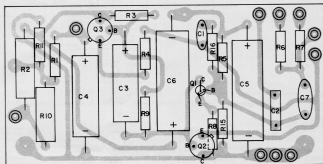
Figure 1. Installation

PARTS LIST: 015644 CONSOLE CONNECTOR ASSEMBLY

Circuit Board Assembly	021972
Cable Assembly	017962
Socket, 7-contact (S2)	017954
Pin, socket (for S2)	061853
Socket, 7-contact (S1)	025205
Socket, 6-contact (S3)	060459
Potentiometer, 100K (R13, R14)	055186
Transformer, line (T1)	048025
Bushing, strain relief	029256

PARTS LIST: 021972 CIRCUIT BOARD ASSEMBLY

Reference Designation	Description	Part No.
C1	Capacitor, disc, ceramic, .0047 mfd, 100V	028431
C2	Capacitor, poly, .022 mfd, 200V	054304
C3	Capacitor, 10 mfd, 250V	018093
C4	Capacitor, 50 mfd, 15V	028324
C5, C6	Capacitor, 50 mfd, 50V	025262
C7	Capacitor, .33 mfd, 75V	028647
Q1	Transistor, T2L518	014944
Q2	Transistor, RCA 40362	018069
Q3	Transistor, RCA 40321	022939
R1	Resistor, 15K, 1/2W, 10%	048157
R2	Resistor, wire-wound, 22.5K, 5W	028688
R3	Resistor, 18K, 1/2W, 10%	018028
R4	Resistor, 15-ohm, 1/2W, 10%	018051
R5	Resistor, 470K, 1/2W, 10%	018002
R6, R7	Resistor, 56K, 1/2W, 10%	024133
R8	Resistor, 1200-ohm, 1/2W, 10%	018036
R9	Resistor, 1K, 1/2W, 5%	018044
R10	Resistor, 150K, 1W, 10%	024117
R11	Resistor, 82K, 1/2W, 10%	027102
R15	Resistor, 56K, 1/2W, 10%	024133
R16	Resistor, 390K, 1/2W, 10%	018010
	Etched Circuit Board	014308



Parts Layout, Circuit Board Assembly 021972

Ordering Parts

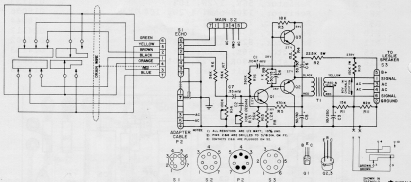
Standard hardware, connectors, and electronic components should be purchased locally. Non-standard items may be obtained through a LESLIE speaker dealer. Orders should include part numbers as listed.

PARTS LIST: TREMOLO CONTROL

Switch Case		Switch & Cable Assembly	028704
	brown	103750	
	ebony	103760	Switch Retainer (2)
	ivory	103770	048744
Case Cover		Screw, thread-cutting, 6-32 x 3/8 (2)	029140
	brown	048702	
	ebony	048710	
	ivory	048728	Label, CHORALE/TREMOLO
Switch Knob			103640
	brown	048066	Cork, adhesive
	ebony	048074	029157

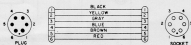
PARTS LIST: ECHO CONTROL

Switch Case		Switch & Cable Assembly	018101
	brown	103750	
	ebony	103760	Switch Retainer (2)
	ivory	103770	048116
Case Cover		Screw, thread-cutting,	
	brown	048702	6-32 x 3/8 (2)
	ebony	048710	029140
	ivory	048728	
Switch Knob		Label, MAIN/ENSEMBLE/ECHO	103670
	brown	048066	
	ebony	048074	Cork, adhesive
			029157



Schematic, Console Connector 015644 and Controls

Plug, 6-pin	061721
Socket, 6-pin	029546
Cap Body, right	130000
Cap Body, left	130010
Screw, sheet metal, 4 x 1/2, hex washer head	136360



Cable Assembly 017277
(plug and socket shown from wire end)