

LESLIE CONSOLE CONNECTOR KIT 7437 INSTALLATION INSTRUCTIONS
FOR USE WITH: LESLIE Speaker Model 212S
WURLITZER Organ Model 4037

MULTIPLE SPEAKER INSTALLATIONS: For complete information consult the owner's manual of the LESLIE speaker to be added.

KIT CONTENTS:

1	068338	Console Connector Assy.	2 Tremolo Controls	1 Echo Control
1	021600	9 Conductor Speaker Cable	019554 Brown	(5 Pin Plug)
1	039222	Mounting Bracket	019562 Ebony	068429 Brown
1	068494	Installation Instructions	019570 Ivory	068437 Ebony
4	066498	Mounting Blocks		068445 Ivory
8	032086	Screws, #6 x 3/4", Blk Oxide	1 Echo Control	
5	029132	Screws, #8 x 1/2"	(7 Pin Plug)	
20	028464	Insulated Staples	068452 Brown	
1	029611	3-Way Plug, 117V	068460 Ebony	
			068478 Ivory	

TO INSTALL:

1. Open the hinged back supporting the tone generators. Also remove organ's top panel to permit access to the amplifiers.
2. Mount console connector to vacant shelf within the tone generator compartment. If desired, attach the mounting bracket included to chassis bottom with three cadmium plated screws from hardware package. Console connector may now be mounted on edge, using the two holes in the lip of the mounting plate
3. Mount echo and tremolo control switches beneath the lower keyboard. Use the wooden mounting blocks from the hardware package as spacers. First, insert two black oxide screws through the switch case; then through the mounting block. Fasten switch case and block beneath the lower keyboard.
4. Route tremolo and echo control cables under lower keyboard, through keyboard shelf and into the tone generator compartment. If no opening is provided, drill a 7/8" hole in the keyboard just beneath lower keyboard. Use insulated staples provided to fasten cables to organ.
5. Insert echo and tremolo control plugs into matching console connector sockets. (See "A" on Fig. 1.)
NOTE: "LOWER" and "UPPER" labels on console connector refer to lower and upper rotors in Model 212S speaker.
6. Guide console connector's black interceptor, white interceptor and AC cord through the access hole in the amplifier shelf. (See "B" on Fig. 1.)
7. Remove the four screws fastening the bracketed frame of the synthesizer amp to both ends of organ. Raise frame. (See "Remove Screws," Fig. 1.)
8. Detach molex SWELL plug from the SWELL socket on the Wurlitzer main/tibia amplifier, which is mounted below the synthesizer amp. (See "C" on Fig. 1)
9. Insert plug end of the black interceptor into the vacated SWELL socket. (There should be one row of vacant contacts on either side if the plug is inserted properly.) (See "C" on Fig. 1.)
10. Insert the Wurlitzer SWELL plug into the socket end of the black interceptor. (See "D" on Fig. 1.)

- 1 1. Pass console connector's AC cord around the rear of the main/tibia amplifier. Detach the tape recorder power plug from its main/tibia amplifier socket. (See "E" on Fig. 1.)
12. Insert 3-way plug from hardware package into the vacant tape recorder power socket. (See "E" on Fig. 1.)
13. Plug in the console connector's AC plug and the tape recorder power plug. (See "F" on Fig. 1.)
14. Detach the white molex plug from its socket on the synthesizer amp. (This is the plug nearest rear of organ.) (See "G" on Fig. 1.)
15. Insert the white interceptor plug into the vacant socket. (See "G" on Fig. 1.)
16. Connect Wurlitzer socket detached in step 12 with white interceptor plug. (See "H" on Fig. 1.)
17. Attach speaker cable to console connector and Model 212S speaker. (See "J" on Fig. 1.)
18. Adjust speaker volume as outlined in owner's manual. Installation is complete.

PARTS LIST: SPEAKER CABLE

- 1 - 019109 9 Pin Plug ABBY.
- 1 - 019117 9 Contact Socket ABSY.
- 1 - 021618 Bulk Cable, 9 Conductor
(Specify length required)

PARTS LIST: 068346 CIRCUIT BOARD ASSEMBLY

TRANSISTORS

PART	LOCATION	DESCRIPTION	PART NO.
Q1	C-6	Transistor, MSPS 4382	026237
Q2	B-6	" " "	026237
Q3	B-6	" " "	026237
Q4	A-6	" " "	026237
Q5	C-4	" " "	026237
Q6	B-4	" " "	026237
Q7	B-4	" " "	026237
Q8	A-4	" " "	026237
Q9	C-1	" " "	026237
Q10	B-2	" " "	026237
Q11	B-2	" " "	026237
Q12	A-2	" " "	026237
Q13	C-6	" " "	026237

CAPACITORS

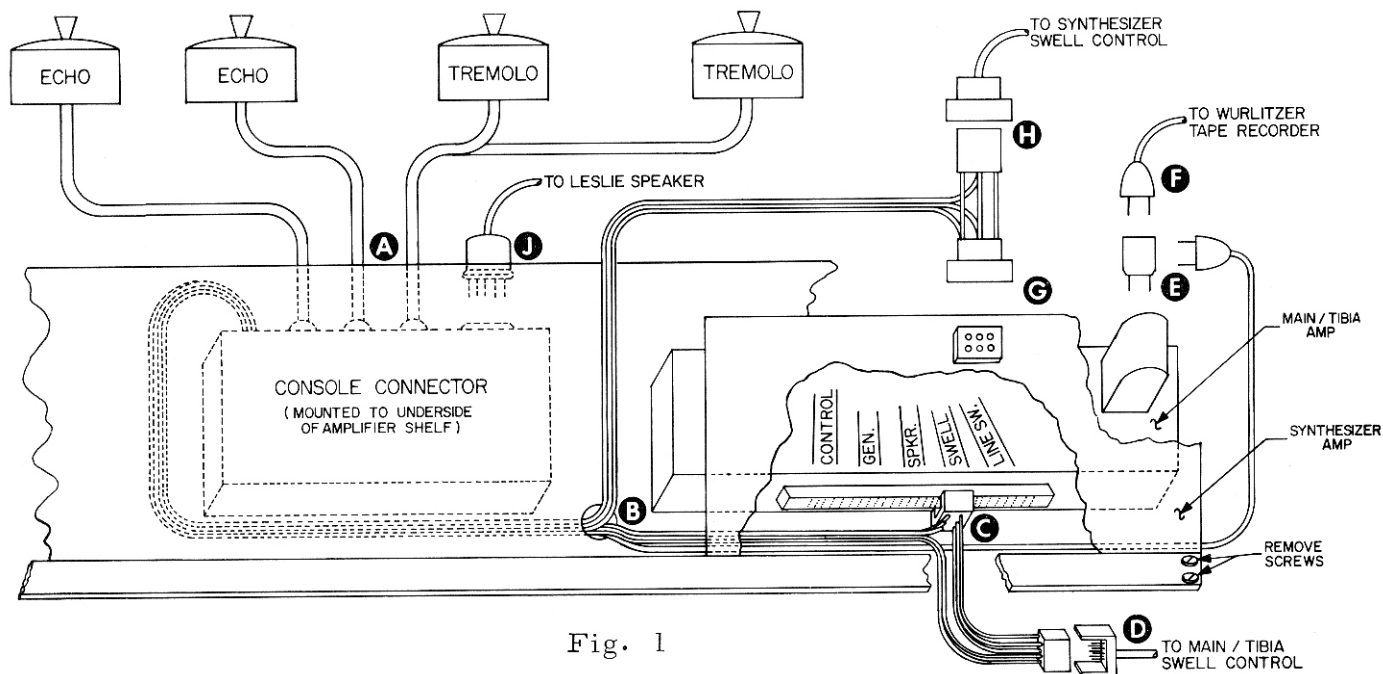
PART	LOCATION	DESCRIPTION	PART NO.
C1	C-6	polyester 1MFD 250V	022251
C2	C-5	mylar, .33 MFD, 75V	028647
C3	C-6	ceramlC, 100 PF, 1KV	028027
C4	C-5	polyester, .1MFD, 250V	022251
C5	C-5	mylar, .033MFD, 100V	028654
C6	B-6	disk, 200PF, 1KV	023622
C7	A-5	elect., 150MFD, 25V	031294
C8	A-5	disk, .01MFD, 1KV	060467
C9	O-4	polyester, .1MFD, 250V	022251
C10	C-3	mylar, .33MFD, 75V	028647
C11	C-4	ceramic, 100PF, 1KV	028027
C12	B-3	polyester, .1MFD, 250V	022251
C13	B-4	mylar, .033MFD, 100V	028654
C14	C-2	tantalum, 10MFD, 16V	041707
C15	A-4	elect., 150MFD, 25V	031294
C16	A-3	disk .01MFD 1KV	060467
C17	C-2	poyester, .1 FD, 50V	022251
C18	C-1	mylar, .33MFD, 75V	028647
C19	C-1	ceramlc, 100PF, 1KV	028027
C20	B-1	polyester, .1MFD, 250V	022251
C21	C-2	mylar, .033MFD, 100V	028654
C22	B-2	disk, 200PF, 1KV	023622
C23	A-1	elect., 150MFD, 25V	031294
C24	B-1	disk, .01MFD, 1KV	060467
C25	O-6	disk, .0047MFD, 100V	028431
C26	O-5	elect., 150MFD, 25V	031294
C27	O-5	polyester, .1MFD, 250V	022251
C28	A-5	disk, .0047MFD, 100V	028431
C29	A-4	disk, .0047MFD, 100V	028431
C30	A-1	disk, .0047MFD, 100V	028431
C31	B-2	polyester, .1 MFD, 250V	022251

RESISTORS * All resistors 1/2 watt. 100/, unless noted otherwise.

PART	LOCATION	VALUE	PART NO.
R1	C-6	1. 2K	018036
R2	C-6	100K	028498
R3	D-5	220K 5%	020222
R4	C-4	10K	028548
R5	C-4	15K	048157
R6	B-5	15K	048157
R7	B-6	390K	018010
R8	B-5	56K	024133
R9	B-5	4.7K	028555
R10	B- 5	10K	028548
R11	B-6	10K	028548
R12	B-5	1. 5K	022277
R13	B-6	150	024158
RI4	A-5	2. 2K	028571
R15	A-5	56K	024133
R16	C-4	1. 2K	018036
R17	D-4	100K	028498
R18	D-3	220K 5%	020222
R19	D-2	10K	028548
R20	C - 3	5. 6K	024844
R21	C-3	15K	048157
R22	C-3	47K	028506
R23	B-4	4.7K	028555
R24	B-3	4.7K	028555
R25	B-4	10K	028548
R26	B-3	1. 5K	022277
R27	D-3	1100K	028498
R28	D-2	56K	024133
R29	A-4	150	024158
R30	A-3	2.2K	028571
R31	A-3	56K	024133
R32	C-I	1.2K	018036
R33	D-1	100K	028498
R34.	D-2	220K 5%	020222
R35	D-1	10K	028548
R36	B-2	15K	048157
R37	B-2	390K	018010
R38	B-2	56K	024133
R39	B-1	4.7K	028555
R40	B-2	10K	028548
R41	A-2	10K	028548
R42	B-1	1.5K	022277
R43	A-2	150	024158
R44	B-1	2.2K	028571
R45	B-1	56K	024133
R46	D-6	2.2K	028571
R47	D-5	56K	024133

PARTS LIST: 068338 CONSOLE CONNECTOR

	068346	Circuit Board Assembly
S1	061713 9	Contact Socket - Amphenol w/Mtg.
S2, S3	029298 2	Contact Socket - Cinch
S4	025205 7	Contact Socket - Eby Molded w/Mtg.
S5	029652 5	Contact Socket - Miniature w/Mtg.
	068403	Interceptor Assembly, 5 Circuit
P6	066548	6 Circuit Miniature Molex Plug Housing-Natural
P6	065599	Male Molex Insert (5 req'd)
S6	066555	6 Circuit Molex Socket Housing-Natural
S6	065581	Female Molex Insert (5 req'd)
	066365	Interceptor Assembly, 9 Circuit
P7	065607	12 Circuit Molex Plug Housing-Black
P7	065599	Male Molex Insert (9 req'd)
S7	065615	12 Circuit Molex Socket Housing-Black
S7	065581	Female Molex Insert (9 req'd)



TREMOLO CONTROL
(2 Req'd)

029512 brown
048058 ebony
048041 ivory

048702 brown
048710 ebony
048728 ivory

048066 brown
048074 ebony

(2 Req'd)

Switch Only

Adhesive Cork

P2, P3-2 Pin Min. Plug

Screw, T. C. F.,

029140

(7 Pin)

029454 brown
029462 ebony
029470 ivory

033506 brown
033514 ebony
033522 ivory

048066 brown
048074 ebony

(2 Req'd)

Switch Only

Adhesive Cork

S47 Pin Eby Plug

Screw, T. C. F.,

029140

(5 Pin)

029454 brown
029462 ebony
029470 ivory

048702 brown
048710 ebony
048728 ivory

048066 brown
048074 ebony

(2 Req'd)

Switch Only

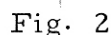
Adhesive Cork

P5 5 Pin Eby Plug

Screw, T. C. F.,

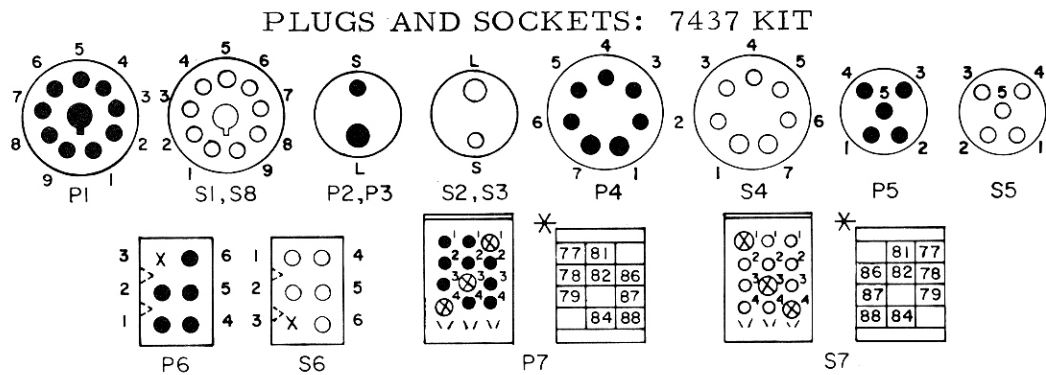
029140

2	3	4	5
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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 listed.



* THESE PIN NUMBERS AND CONTACT NUMBERS CORRESPOND TO THOSE LISTED ON WURLITZER MODEL 4037 SCHEMATIC.

Fig. 3

Schematic, next page

SCHEMATIC: 068346 CONSOLE CONNECTOR w/CONTROLS and 021600 SPEAKER CABLE

