

LESLIE 7045

CONSOLE CONNECTOR KIT AND BRAKE ASSEMBLY INSTALLATION INSTRUCTIONS

FOR USE WITH: WURLITZER Model 4300 D

LESLIE Speakers: 125,225,145,147,147RV,247, or 247RV

MULTIPLE SPEAKER INSTALLATION: For complete information, see the service manual for the Leslie Speaker to be added.

CONTENTS OF KIT:

1 Console Connector	046755	1 Tremolo Control
1 6 Conductor Cable	017277	046813 brown
1 Ins tructi ons	046888	046821 ebony
1 Oiler	053025	046839 ivory
12 Insulated Staples	028464	
2 Screws, 8 X 1/2	029132	2 Echo Controls
6 Screws, 6 x 3/4, Blk Oxide	032086	046854 brown
1 Plug, 117V, 3 way	029611	046862 ebony
		046870 ivory

CONTENTS OF BRAKE ASSEMBLY:

1 Brake Tube Chassis with Interceptor	032227
1 5 Conductor Cable	029843
1 115C5T Thermal Relay (Brake Tube)	033852
2 Chassis Mounting Brackets	033803
1 Insulation, Cork	033811
2 Screws, 6 x 1/2, Blk Oxide	029124

TO INSTALL THE CONSOLE CONNECTOR:

1. Mount Echo and Tremolo control switches to the underside of the wooden rail located in front of the lower manual. Use wood screws provided.
2. Route Echo and Tremolo control cables under the lower manual. Pass cables through opening at the extreme right of the keyboard shelf. If no opening is provided, drill a 1" hole in the keyboard shelf just under the lower manual. Fasten cables in place with staples provided.
3. At rear of organ, unfasten and swing open the hinged rack supporting the tone generators. Mount console connector chassis exactly as shown in Figure 1, "A".
4. Plug Echo and Tremolo control cables into their sockets on the console connector chassis. (See "A" on Fig. 1).
5. Unplug 9-pin plug from SWELL socket on the Wurlitzer amplifier and plug it into console connector's SWELL socket. (See ("B"on Fig. 1).

6. Insert console connector's SWELL plug into the SWELL socket on the Wurlitzer amplifier. (See "B" on Fig. 1).
7. Unplug 8-pin plug from the CONTROL socket on the Wurlitzer amplifier. Plug it into console connector's "B+" interceptor socket. (See "C" on Fig. 1).
8. Insert console connectors B+ interceptor plug into the CONTROL socket on the Wurlitzer amplifier. (See "C" on Fig. 1).
9. Plug the Leslie speaker cable into its socket on the console connector chassis. (See "D" on Fig. 1).
10. Plug console connector power cord into either switched 115 VAC socket on the Wurlitzer amplifier. (See "E" on Fig. 1). NOTE: If both switched sockets are occupied, use the cube plug provided in the hardware kit.
11. Set speaker load resistor switch to "OPEN" as outlined in the Leslie service manual.
12. Adjust speaker volume as outlined in the Leslie service manual. Console connector installation is now complete.

TO INSTALL THE BRAKE ASSEMBLY:

1. Remove lower back of the speaker cabinet.
NOTE: The 29843 Adapter Cable is for use in 247/247RV cabinets only. For other speakers using this kit, proceed to step 7.
2. Mount the small angle brackets on the brake tube chassis. (See "F" on Fig. 2).
3. Place the cork insulation on the back of the brake tube chassis. (See "G" on Fig. 2).
4. Remove and discard jumper plug from speaker amplifier's brake socket. Plug adapter cable into the brake socket. (See "J" on Fig. 3).
5. Mount brake tube chassis within reach of the adapter cable socket. Also make certain brake's interceptor plug can connect to the Leslie Speaker socket on the speaker amplifier. (See "K" on Fig. 3).
6. Fit the adapter cable socket onto the brake chassis plug. (See "H" on Fig. 3).
7. Plug the 115C5T brake tube into the socket on the brake tube chassis. (See "I" on Fig. 3).
8. (All models except 247/247RV): Plug brake tube chassis directly into the brake socket on the speaker amplifier. (See "J" on Fig. 3).

9. Disconnect Leslie speaker cable's socket from the Leslie Speaker plug on the speaker amplifier. Insert this socket onto the brake interceptor plug. (See "K" on Fig. 3.)

10. Insert brake interceptor socket into Leslie Speaker plug on the speaker amplifier (See "K" on Fig. 3).

11. Replace speaker cabinet's lower back. Brake accessory installation is now complete.

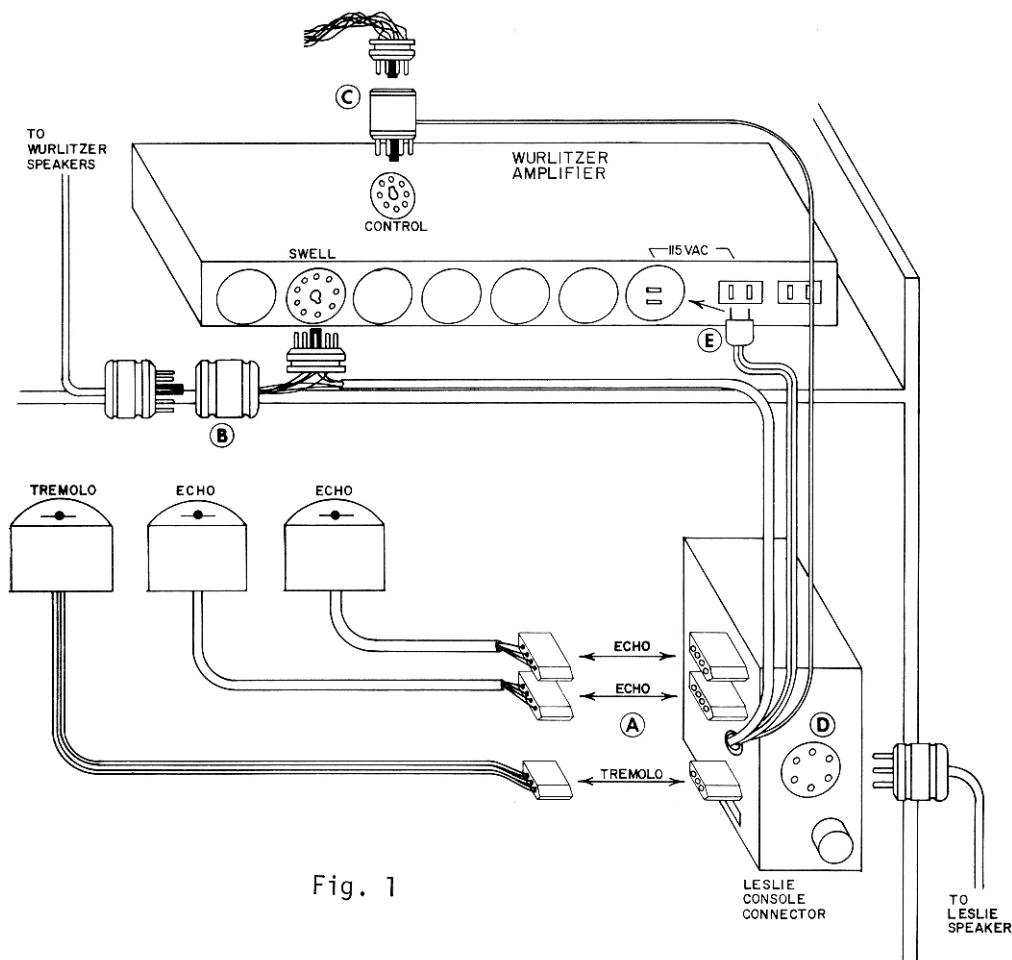


Fig. 1

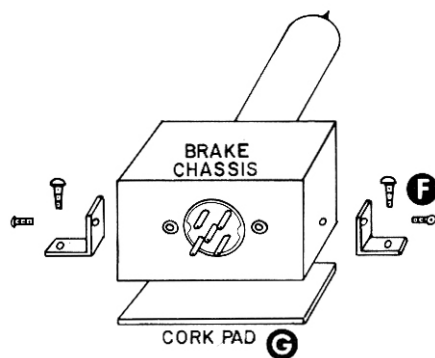


Fig. 2

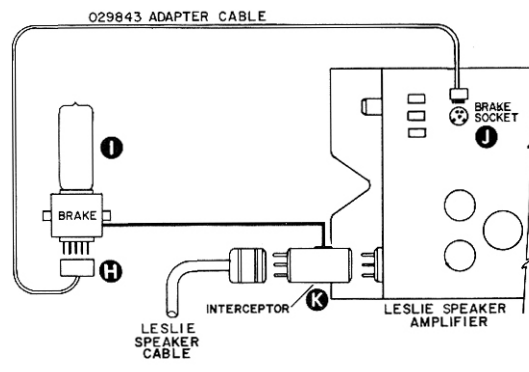
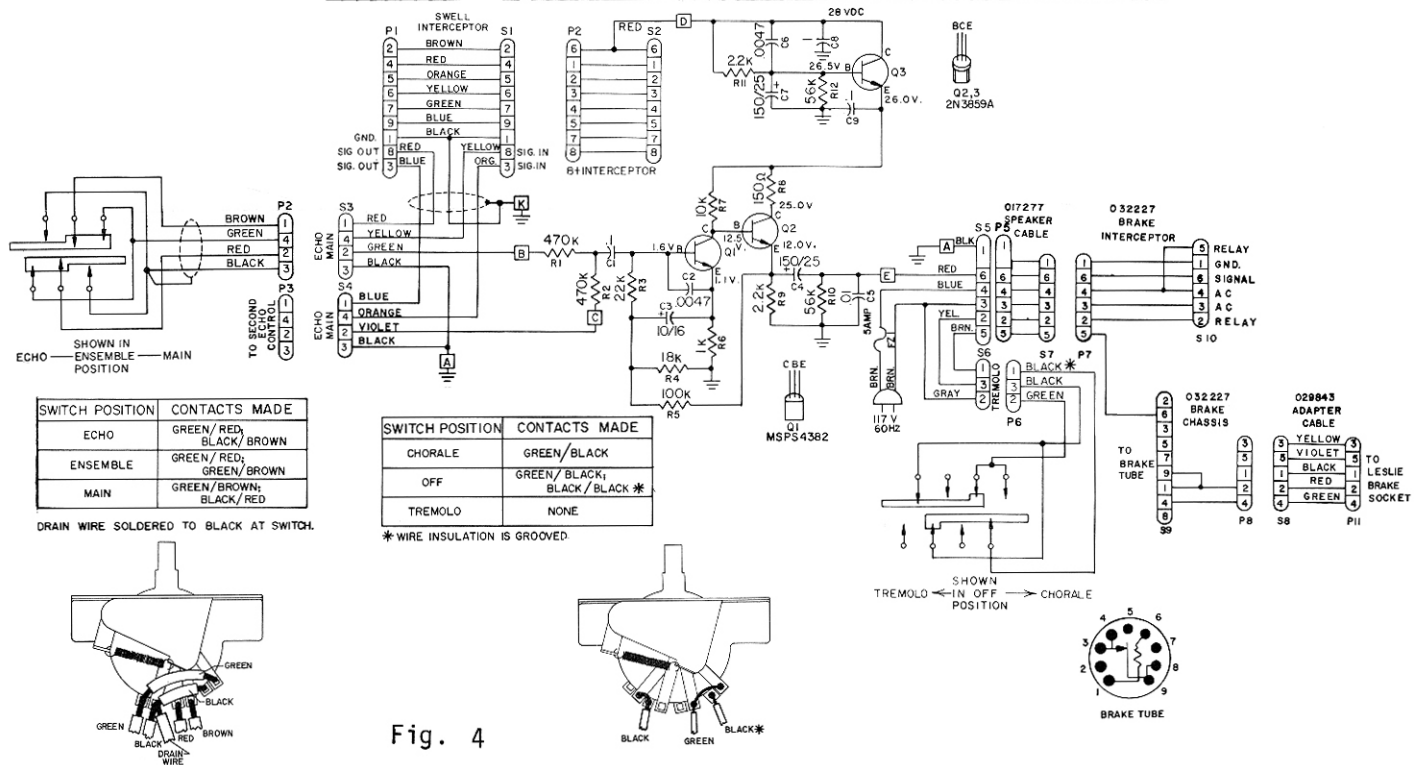


Fig. 3

SCHEMATIC: CONSOLE CONNECTOR W/CONTROLS, BRAKE & ADAPTER



PART	DESCRIPTION	EMI NO.
P1	Plug, 9 Pin Amphenol	024653
P2	Plug, 8 Pin Octal	027854
PI	Plug, 9 Pin Amphenol	024653
P2	Plug, 8 Pin Octal	027854
P3,P4	Housing, Plug, 4 ckt Molex	042101
P5,P7	Plug, 6 Pin Amphenol	061721
P6	Housing, Plug, 3 ckt Molex	042085
P8	Plug, 5 Pin Eby w/mtg plate	033738
P11	Plug, 5 Pin Eby w/o mtg plate	021238
S1	Socket, 9 Contact Amphenol	028837
S2	Socket, 8 Contact Octal	027847
S3,S4	Housing, Socket, 4 ckt Molex	042093
S5	Socket, 6 Contact w/mtg plate	060459
S6	Housing, Socket, 3 ckt Molex	042077
S7,S10	Socket, 6 Contact Amphenol	029546
S8	Socket, 5 Contact Eby	033670
S9	Socket, 9 Contact w/mtg plate	033746
	Male Insert for Molex Plug Hsing	023309
	Female Insert for Molex Socket Hsing	023556

PLUG & SOCKET PIN LAYOUT

(ALL PLUGS AND SOCKETS SHOWN FROM WIRE END.)

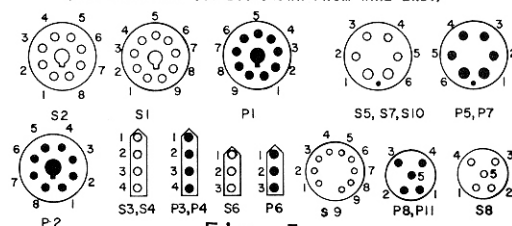


Fig. 5

046797 CIRCUIT BOARD ASSEMBLY

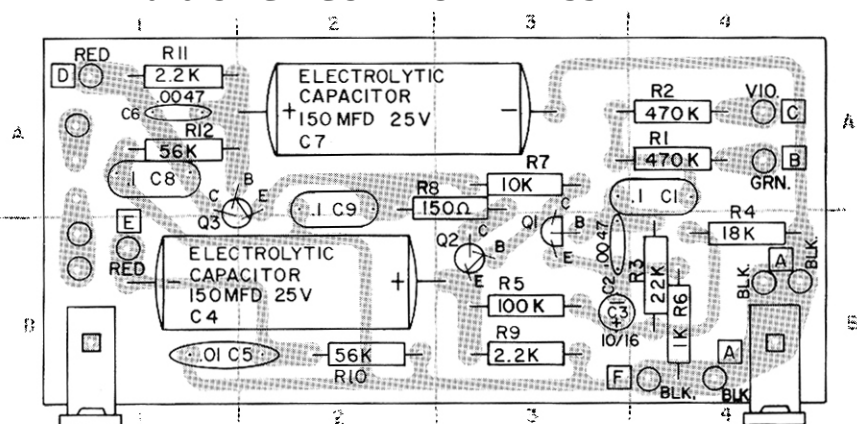


Fig. 6

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

PART	LOCATION	DESCRIPTION	EMI NO.
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%	01B028
R5	B3	Resistor, 100K, 1/2 Watt, 10%	02B49B
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

ECHO CONTROL TREMOLO CONTROL

Echo Switch Case		Tremolo Switch Case	
brown	029454	brown	046979
ebony	029462	ebony	046987
ivory	029470	ivory	046995
Switch Case Cover		Switch Case Cover	
brown	048702	brown	048702
ebony	048710	ebony	048710
ivory	048728	ivory	048728
Switch Knob		Switch Knob	
brown	048066	brown	048066
ebony	048074	ebony	048074
Switch Retainer (2)	048116	Switch Retainer (2)	048116
Switch Only	010249	Switch Only	015412
P3,P4 Plug Hsing,		P6 Plug Hsing,	
4 ckt Molex	042101	3 ckt Molex	042085
P3,P4 Male Molex		P6 Male Molex	
Insert	023309	Insert	023309

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.