

CONSOLE CONNECTOR KIT 7625 INSTALLATION INSTRUCTIONS

For Use With: LESLIE Speaker Model 600

LOWREY Organ Model H-25

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

KIT CONTENTS:

1	108370 Console Connector	Echo Control
1	021600 9 Conductor Speaker Cable	052035 brown
1	108470 Installation Instructions	052043 ebony
1	053025 Oiler	052050 ivory
2	029132 Screws, #8 x 1/2"	Multi-Rank Control
6	029124 Screws, #6 x 1/2" Blk. Oxide	069948 brown
12	028464 Insulated Staples	069955 ebony
		069963 ivory
		Tremolo Control
		069880 brown
		069898 ebony
		069906 ivory

TO INSTALL:

Mounting the Console Connector Chassis Control switches:

1. Remove the Lowrey back panel. Mount the console connector as shown in Fig. 1, A. Use the two cadmium plated screws provided in the hardware package.
2. Remove the organ's music rack; lower the tone generator section, and then lift up the lower and upper manual to vertical position.
3. Mount the Echo, Tremolo, and Multi-Rank Control switches to the front of the organ beneath the lower keyboard. Use the black oxide screws provided in the hardware package.
4. Drill a 7/8" hole through the underside of the keyboard in the vacant space on one end of the organ. Route the control cables through this hole to the rear of the organ.
5. Connect the control plugs to the matching sockets on the console connector chassis. (See "B" on Fig. 1.)

Main Channel Signal Interception:

6. Detach the brown, 9 pin plug from the amplifier socket shown at point "C", Figure 1. This socket is on the left-hand side of the amplifier, nearest the rear of the organ. Replace this plug with the plug from the 9 circuit MAIN channel console connector interceptor. (See "C" on Fig. 1.)
7. Attach the detached LOWREY plug to the socket end of the MAIN channel console connector interceptor. (See "D" on Fig. 1.)

LESLIE Channel Signal Interception:

8. Insert the 6 pin console connector plug into the "ECHO FOR LESLIE 45A047" socket on the amplifier. (See "E" on Fig. 1.)

Pedal Signal Interception:

9. Detach the green wire from the 12" bass speaker. Replace it with the white wire from the console connector. (See "F" on Fig. 1.)
10. Attach the green wire from the console connector to the green wire detached in step 9. (See "G" on Fig. 1.)

Motor Control Interception:

11. Detach the LOWREY motor control socket from the side of the organ's tremolo unit. Replace it with the socket end of the console connector's 5 circuit motor control interceptor. (See "H" on Fig. 1.)
12. Connect the LOWREY motor control socket with the plug end of the console connector's motor control interceptor. (See "J" on Fig. 1.)
13. Detach the green or blue signal wire from the loudspeaker located to the right of the 12" pedal speaker. Insulate end with electrical tape. (See "K" on Fig. 1.)

Speaker Cable Connection: Volume Control Adjustment:

14. Connect the speaker cable supplied to the LESLIE SPEAKER socket on the console connector and the power plug on the Model 600 power supply. (See "L" on Fig. 1.)
15. Adjust volume controls of the Model 600 speaker according to its owner's manual. Replace the LOWREY's keyboards, top, and back. Installation is complete.

INSTALLATION: 7625 KIT

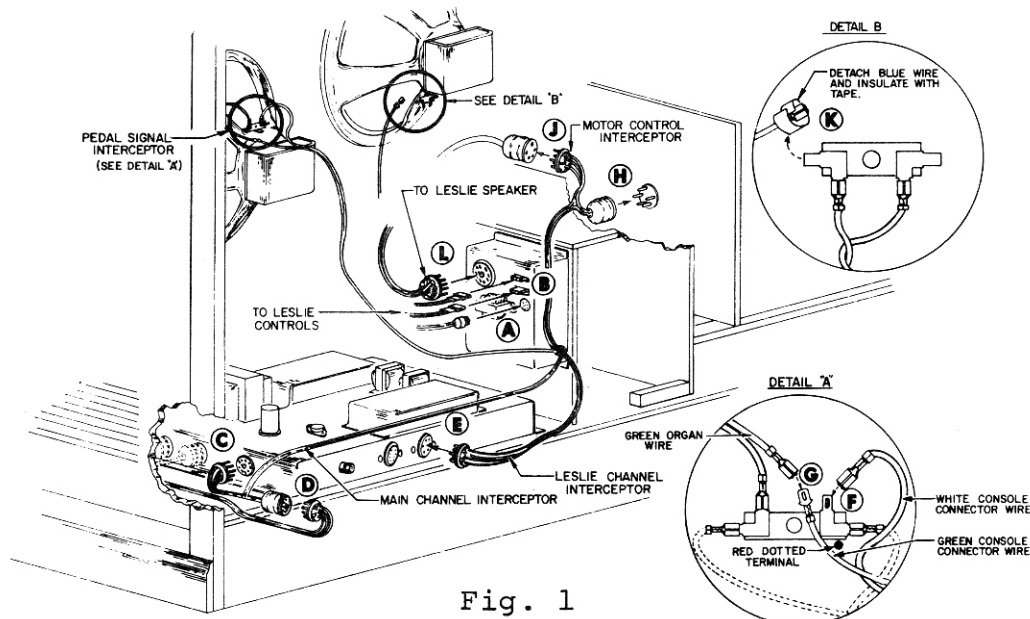
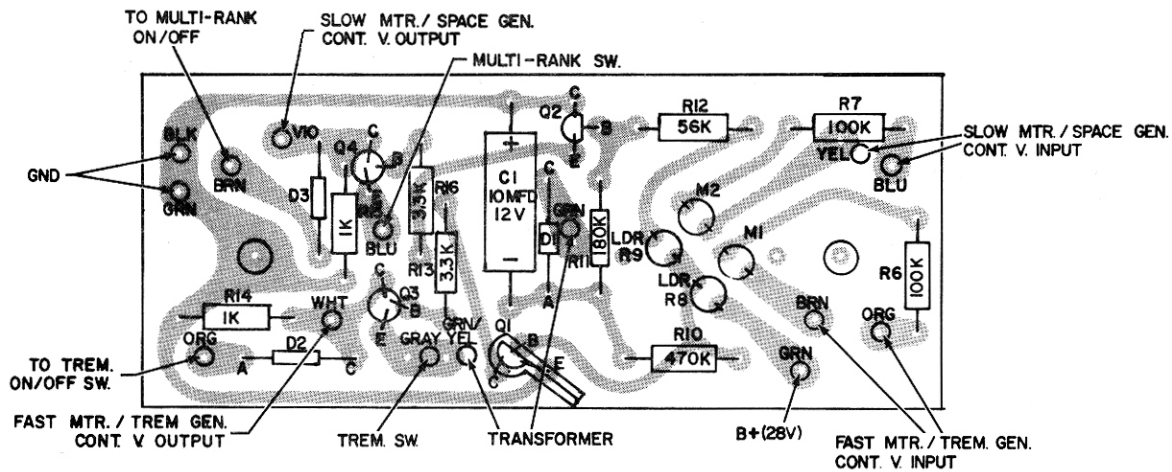


Fig. 1

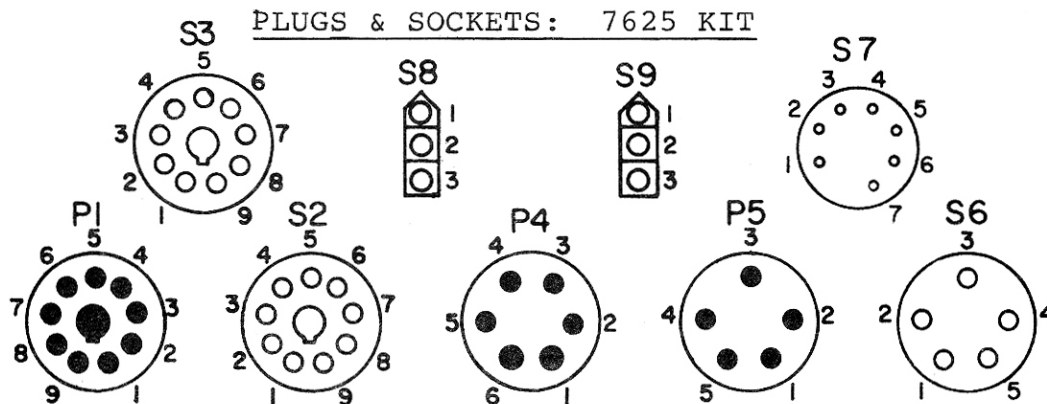
The LESLIE Speaker Model 600 is controlled in this installation by the organ console tabs and LESLIE controls shown below. While this switching chart is by no means inclusive, it does provide switching instructions for obtaining many musical effects from the Model 600.

LOWREY CONSOLE TABS										
VOICE SWITCHING	LOWREY CONSOLE TABS						CONSOLE CONNECTOR CONTROLS			
	ADD MAIN TO LESLIE	MAIN TIBIA	MAIN REED/STRING DIAP'N	OFF LESLIE TREM	OFF MULTI CHORUS REVERB	INT. LESLIE	CONSOLE CONNECTOR CONTROLS			
	LESLIE	LESLIE	ON	ON	EXT	MAIN ENS.	ECHO OFF	TREM. ON	MULTI-RANK OFF	
	EFFECT									
	ALL VOICES TO ORGAN SPEAKERS		LESLIE	MAIN	OFF OR ON	OFF	INT	MAIN	OFF	OFF
	TIBIA VOICES TO 600 STATIONARY CHANNEL		MAIN	LESLIE	OFF OR ON	OFF	INT	ENSEMBLE/ECHO	OFF/ON	OFF/ON
	REED/STRING VOICES TO 600 ROTARY CHANNEL		MAIN	LESLIE	OFF OR ON	OFF	EXT	ENSEMBLE/ECHO	OFF/ON	OFF/ON
	TIBIA VOICES TO 600 ROTARY CHANNEL		LESLIE	MAIN	OFF OR ON	OFF	EXT	ENSEMBLE/ECHO	OFF/ON	OFF/ON
	REED/STRING VOICES TO 600 STATIONARY CH.		LESLIE	MAIN	OFF OR ON	OFF	INT OR EXT	ENSEMBLE/ECHO	OFF/ON	OFF/ON
	MIXED VOICES TO ALL 600 CHANNELS	ADD	LESLIE	MAIN	OFF OR ON	OFF	EXT	ENSEMBLE/ECHO	OFF/ON	OFF/ON
	MULTI-CHORUS EFFECT NO. 1		LESLIE OR MAIN	LESLIE OR MAIN	OFF OR ON	ON	EXT	MAIN	OFF/ON	OFF/ON
	MULTI-CHORUS EFFECT NO. 2		MAIN	LESLIE	OFF OR ON	ON	INT	ENSEMBLE/ECHO	OFF/ON	OFF/ON
ROTOR SPEEDS	600 ROTORS-FAST ORGAN ROTOR-FAST				ON	OFF OR ON	EXT	ENSEMBLE/ECHO	OFF/ON	OFF/ON
	600 ROTORS-SLOW ORGAN ROTOR-SLOW				OFF	ON	INT	ENSEMBLE/ECHO	OFF/ON	OFF/ON
	600 ROTORS-OFF ORGAN ROTOR-OFF				OFF	OFF	EXT	ENSEMBLE/ECHO	OFF/ON	OFF/ON
	600 ROTORS-FAST ORGAN ROTOR-SLOW				ON	ON	EXT	MAIN	OFF/ON	OFF/ON



108390 CIRCUIT BOARD ASSEMBLY

C1	Elec., 10MFD, 12VDC Capacitor	028415	R8	Light Dependent, ORP-66 Resistor	030379
D1	100 PIV, 1A Diode	021154	R9	Light Dependent, ORP-66 Resistor	030379
D2	30 PIV, 500 mW Diode	041616	R10	470K, 1/2W, 10% Resistor	018002
D3	30 PIV, 500 mW Diode	041616	R11	180K, 1/2W, 10% Resistor	059270
M1, M2	Neon, Ne2E Lamp	063958	R12	56K, 1/2W, 10% Resistor	024133
Q1	PNP, TZ 525 Transistor	033571	R13	3.3K, 1/2W, 10% Resistor	024141
Q2	NPN, MSPS 4382 Transistor	026237	R14	1K, 1/2W, 10% Resistor	023713
Q3	NPN, 2N3414 Transistor	030254	R15	1K, 1/2W, 10% Resistor	023713
Q4	NPN, 2N3414 Transistor	030254	R16	3.3K, 1/2W, 10% Resistor	023713
R6	100K, 1/2W, 10% Resistor	028498			
R7	100, 1/2W, 10% Resistor	028498			



108370 CONSOLE CONNECTOR ASSEMBLY

1	108390 Motor Sensor Circuit Board Assembly
1	108400 Motor Control Interceptor Assy., 5 Circuit
1	013060 5 Pin Plug (P5)
1	029264 5 Contact Socket (S6)
1	029046 Cap, S6
1	022061 Clamp, S6
2	027979 Screws, #6-32 x 3/8" Round Head
1	108420 Main Channel Interceptor Assembly, 9 Circuit
1	024653 9 Pin Plug (P1)

108370 CONSOLE CONNECTOR ASSEMBLY (Cont'd.)

1 028837 9 Contact Socket (S2)
 1 022046 Cap, S2
 1 022061 Clamp, S2
 2 027979 Screws, Machine, #6-32 x 3/8", Round Head
 1 108440 LESLIE Channel Interceptor Assembly, 6 Circuit
 1 061721 6 Pin Plug w/o Mounting Plate (P4)
 1 063826 Lamp Housing Can
 1 063842 Chassis Cover Bottom
 1 022244 Transformer
 1 029306 7 Contact Socket (S7)
 1 061721 9 Contact Socket (S3)
 1 042077 White 3 Circuit Molex Socket Housing (S8)
 2 023556 Female Molex Contacts, (S8)
 1 043265 Red 3 Circuit Molex Socket Housing (S9)
 2 023556 Female Molex Contacts, (S9)
 2 010124 Resistors, 8.2 ohm, 1W, 10% (R3,R4)
 1 028399 Resistor, 100 ohm, 1/2W, 10% (R5)
 2 029769 Resistors, Wire Wound, 32 ohm, 10W, 10% (R1, R2)
 1 055327 2 Lug Terminal Strip
 1 028811 Grommet
 1 034769 Strain Relief Bushing
 2 012690 Trimount Studs

ECHO CONTROL TREMOLO CONTROL MULTI-RANK CONTROL

Switch Case	Switch Case	Switch Case
029199 Brown	048033 Brown	069914 Brown
029207 Ebony	048058 Ebony	069922 Ebony
209215 Ivory	048041 Ivory	069930 Ivory
Switch Case Cover	Switch Case Cover	Switch Case Cover
048702 Brown	408702 Brown	048702 Brown
048710 Ebony	048710 Ebony	048710 Ebony
048728 Ivory	048728 Ivory	048728 Ivory
Switch Knob	Switch Knob	Switch Knob
048066 Brown	048066 Brown	048066 Brown
048074 Ebony	048074 Ebony	048074 Ebony
Switch Retainer (2 Req'd.)	Switch Retainer (2 Req'd.)	Switch Retainer (2 Req'd.)
048116	408108	408108
Switch Only	Switch Only	Switch Only
029173	042911	042911
Adhesive Cork	Adhesive Cork	Adhesive Cork
029157	029157	029157
(P7) 7 Pin Plug	(P8) 3 Ckt. Molex Plug	(P9) 3 Ckt. Molex Plug
029223	Housing - White	Housing - Red
(P7) Cap, PVC	042085	043323
039231	(P8) Male Molex Contact	(P9) Male Molex Contact
	(2 Req'd.) 023309	(2 Req'd.) 023309

SCHEMATIC: 108370 CONSOLE CONNECTOR ASSEMBLY w/ CONTROLS

