

LESLIE CONSOLE CONNECTOR KIT 7674 INSTALLATION INSTRUCTIONS

For Use With: LESLIE Speaker Model 600

THOMAS Organs: 500,600,700,800,900 series (Dual Channel Organs)

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

KIT CONTENTS:

1	101140	Console Connector	1 Echo Control
1	021600	Speaker Cable	053035 Brown
1	101240	Installation Instructions	053043 Ebony
1	053025	Oiler	053050 Ivory
2	029132	Screws, #8 x 1/2"	
6	029124	Wood Screws, #6 x 1/2", Blk Oxide	1 Tremolo Control
			069880 Brown
12	028464	Insulated Staples	069898 Ebony
			069906 Ivory
			1 Multi-Rank Control
			069948 Brown
			069955 Ebony
			069963 Ivory

TO INSTALL:

1. Remove Thomas back panel.
2. Mount console connector chassis to bottom shelf of organ. Use two 8 x 1/2" cadmium plated screws from hardware package.
3. Mount echo, tremolo, and multi-rank switches to underside of lower keyboard. Use black oxide wood screws provided.
4. Route control cables under lower keyboard, through keyboard shelf, and into amplifier section of the organ. If no opening is provided, drill a 1" hole in the lower keyboard shelf.
5. Connect tremolo and multi-rank control plugs to matching colored sockets on console connector chassis. (See "A" on Fig. 1.)
6. Insert echo control plug into matching socket on console connector chassis. (See "B" on Fig. 1.)
7. Detach 9 contact Amp-type plug from its socket on Thomas amp. (See "C" on Fig. 1.) Replace it with plug end of console connector interceptor.
8. Connect socket end of console connector interceptor with Thomas plug previously detached. (See "D" on Fig. 1.)

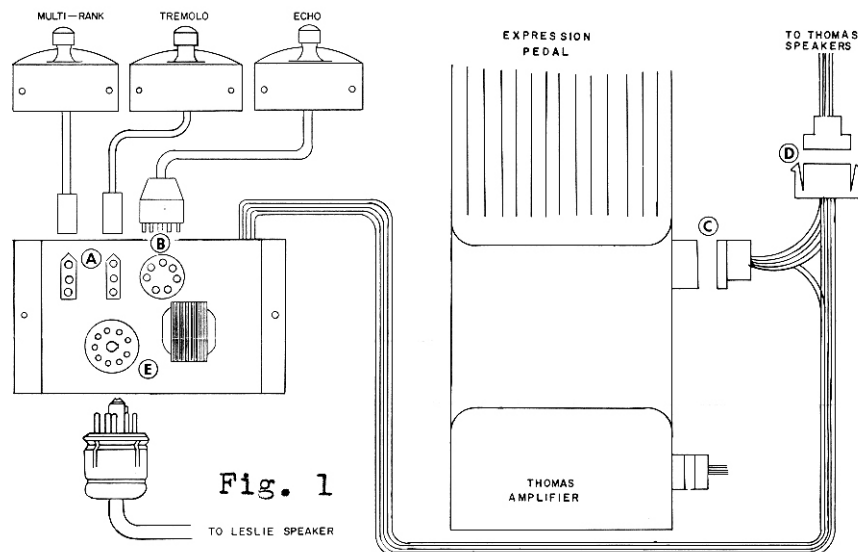
9. Attach speaker cable supplied to the console connector and the Model 600 speaker. (See "E" on Fig. 1.)
10. Adjust speaker volume as outlined in the Model 600 Owner's Manual. Installation is complete.

MODEL 600 SPEAKER CONTROLS

In this installation, the kit's echo control switches organ signal to the internal speaker, the Model 600, or all speakers.

The kit's tremolo control turns the Model 600 tremolo generators on and off, while the kit's multi-rank control turns the space generator on and off.

Tremolo and chorale speeds of the Model 600's bass rotor and treble horn are controlled by the console's LESLIE tremolo tabs.



PARTS LIST: 101140 CONSOLE CONNECTOR ASSY.

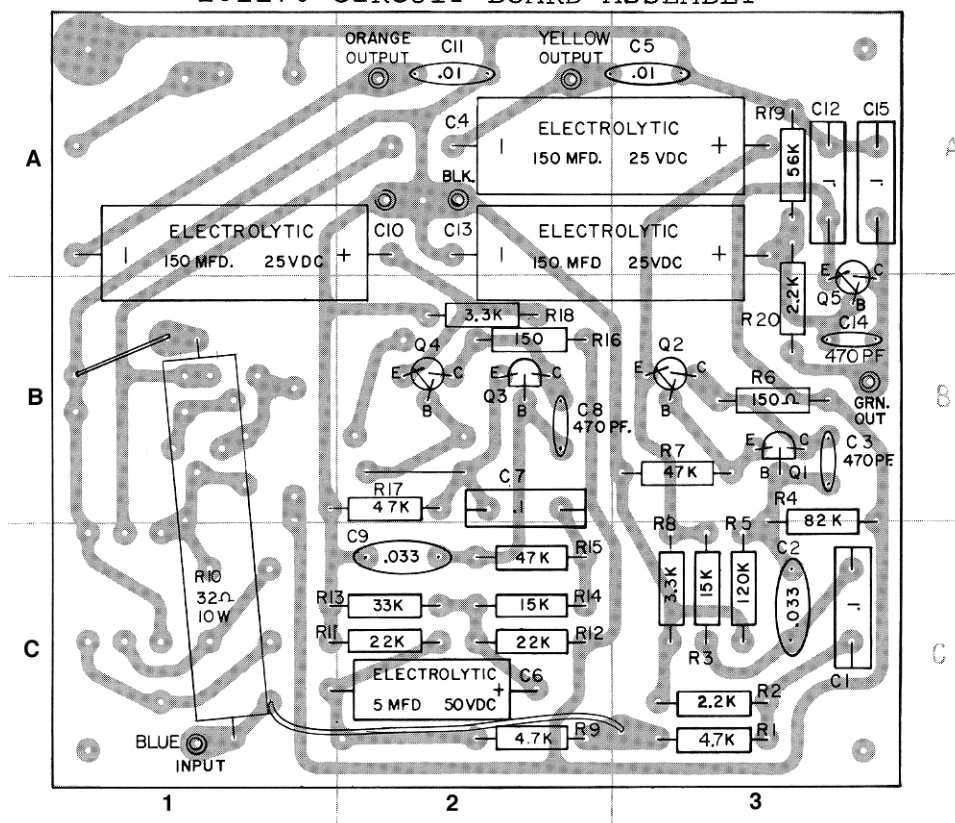
101170 Circuit Board Assy.

101180 Circuit Board Assy. -- Motor Sensor

101160 Interceptor Assy.

- P1 9 Ckt. Amp Plug Housing 060095
- P1 Socket Contact, Amp (9 reg'd.) 60016-1 LP 060111
- S6 9 Circuit Amp Socket Housing 060103
- S6 Amp Socket Contact (9 reg'd.) 60016-1 LP 060111
- S3 Socket, 9 Contact -- Amphenol 061713
- S2 Socket, 7 Contact -- Methode 029306
- S5 3 Ckt Molex Socket Housing - Natural 042077
- S5 Female Molex Insert (2 reg'd.) 023556
- S4 3 Ckt Molex Socket Housing - Red 043265
- S4 Female Molex Insert (2 reg'd.) 023556
- T1 Transformer 022244
- R21 Resistor, Wire Wound, 32 ohm, 10W, 10% 029769
- R22 Resistor, 8.2 ohm, 1W, 10% 010124

101170 CIRCUIT BOARD ASSEMBLY

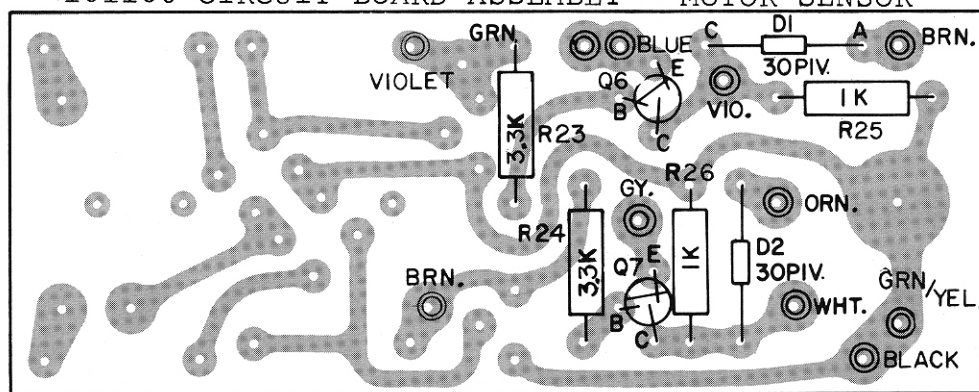


PART NO.	LOCATION	DESCRIPTION	EMI NO.
C1	C3	Capacitor, Poly, .1 Mfd, 200V, 20%	022251
C2	C3	Capacitor, Mylar, .033 Mfd, 100V, 10%	028654
C3	B3	Capacitor, Disc, 470Pf, 1KV, 20%	028662
C4	A3	Capacitor, Elect., 150 Mfd, 25VDC	031294
C5	A3	Capacitor, Disc., .01 Mfd, 1KV, 20%	060467
C6	C2	Capacitor, Elect., 5Mfd, 50 VDC	028589
C7	B2	Capacitor, Poly,.1 Mfd, 200V, 20%	022251
C8	B2	Capacitor, Disc, 470 Pf, 1KV, 20%	028662
C9	C2	Capacitor, Mylar, .033 Mfd, 100V, 10%	028654
C10	A1	Capacitor, Elect., 150 Mfd, 25VDC	031294
C11	A2	Capacitor, Disc, .01 Mfd, 1KV, 20%	060467
C12	A3	Capacitor, Poly, .1 Mfd, 200V, 20%	022251
C13	B3	Capacitor, Elect., 150Mfd, 25VDC	031294
C14	B3	Capacitor, Disc., 470 Pf, 100V, 10%	028662
C15	A3	Capacitor, Poly,.1 Mfd, 200V, 20%	022251
R1	C3	Resistor, 4.7K	024141
R2	C3	Resistor, 2.2K	028571
R3	C3	Resistor, 15K	048157
R4	B3	Resistor, 82K	027102
R5	C3	Resistor, 120K	027078
R6	B3	Resistor, 150 ohm	024158
R7	B3	Resistor, 47K	028506
R8	C3	Resistor, 3.3K	024141

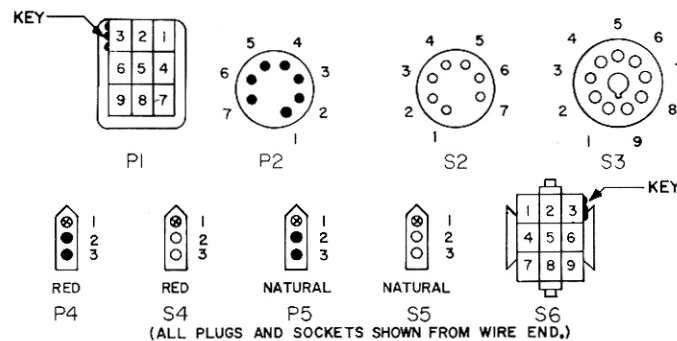
R9	C2	Resistor, 4.7K	028555
R10	C1	Resistor, Wire Wound, 32ohm, 10W, 10%	029769
R11	C2	Resistor, 2.2K	028571
R12	C2	Resistor, 22K	028530
R13	C2	Resistor, 33K	028522
R14	C2	Resistor, 15K	048157
R15	C2	Resistor, 47K	028506
R16	82	Resistor, 150 ohm	024158
R17	82	Resistor, 4.7K	028555
R18	B2	Resistor, 3.3K	024141
R19	A3	Resistor, 56K	024133
R20	B3	Resistor, 2.2K	028571
Q1	B3	Transistor, MSPS 4382	026237
Q2	B3	Transistor, 2N3859A	061366
Q3	B2	Transistor, MSPS 4382	026237
Q4	B2	Transistor, 2N3859A	061366
Q5	B3	Transistor, 2N3859A	061366

* All resistors 1/2 watt, 10%

101180 CIRCUIT BOARD ASSEMBLY - MOTOR SENSOR



PART NO.	DESCRIPTION	EMI NO.
D1,2	Rectifier, 30 PIV, 500mW	041616
R23,24	Resistor, 3.3K	024141
R25,26	Resistor, 1K	023713
Q6,7	Transistor, 2N3414	030254



PARTS LISTS

021600 SPEAKER CABLE

1-019109 9 Pin Plug Assy.

1-019117 9 Contact Socket Assy.

1-021618 Bulk Cable, 9 Conductor (Specify length required.)

ECHO CONTROL	TREMOLO CONTROL	MULTI-RANK	CONTROL
Switch Case 029454 brown 029462 ebony 029470 ivory	Switch Case 029199 brown 029207 ebony 029215 ivory	Switch Case 069914 brown 069922 ebony 069930 ivory	Switch Case 069914 brown 069922 ebony 069930 ivory
Switch Case Cover 048702 brown 048710 ebony 048728 ivory	Switch Case Cover 048702 brown 048710 ebony 048728 ivory	Switch Case Cover 048702 brown 048710 ebony 048728 ivory	Switch Case Cover 048702 brown 048710 ebony 048728 ivory
Switch Knob 048066 brown 048074 ebony	Switch Knob 048066 brown 048074 ebony	Switch Knob 048066 brown 048074 ebony	Switch Knob 048066 brown 048074 ebony
Switch Retainer (2 Req'd.) 048116	Switch Retainer (2 Req'd.) 048108	Switch Retainer (2 Req'd.) 048108	Switch Retainer (2 Req'd.) 048108
Switch Only 029173	Switch Only 042911	Switch Only 042911	Switch Only 042911
Adhesive Cork 029157	Adhesive Cork 029157	Adhesive Cork 029157	Adhesive Cork 029157
Screw, TCF 6-32 x 3/8" 029140	Screw, TCF 6-32 x 3/8" 029140	Screw, TCF 6-32 x 3/8" 029140	Screw, TCF 6-32 x 3/8" 029140
P2 7 Pin Methode Plug 029223 P2 Cap 029231	P5 3 Ckt Mo1ex Plug Housing - Natural 042085	P4 3 Ckt Mo1ex Plug Housing - Red 043323	P4 3 Ckt Mo1ex Plug Housing - Red 043323

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.

