

CONSOLE CONNECTOR KIT 7144 INSTALLATION INSTRUCTIONS
FOR USE WITH: THOMAS Organ Models 370, 371
LESLIE Speaker Models 700, 710

KIT CONTENT

Console Connector Assembly	126120
Console Adapter	057034
Echo Switch Assembly	
brown	126340
ebony	126350
ivory	126360
Cable Assembly, 9-conductor, 30-foot	021600
Hardware Package	108730
Oiler 053025	

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.

INSTALLATION

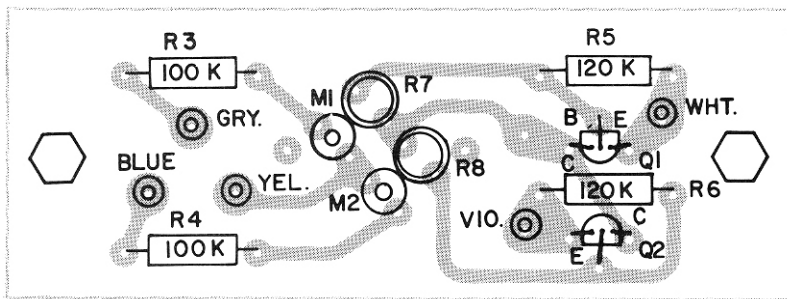
CAUTION: DISCONNECT ORGAN POWER BEFORE PROCEEDING:

1. Remove the back panel from the organ.
2. Position the console connector on the organ floor at the left (looking into the back), behind the fluorescent lamp ballasts.
3. Disconnect the plug from the built-in tremolo unit. Connect this plug to the socket of the interceptor of the console connector.
4. Connect the plug of the interceptor to the tremolo unit. (The tremolo is controlled by buttons on the left side of the organ console.)
5. Connect the adapter which comes in the kit to the 9-pin plug on the console connector.
6. On the right side of the organ amplifier locate a 9-connector plug. Disconnect the plug from the amplifier and connect it to the socket of the adapter.
7. Connect the plug of the adapter to the vacated socket on the amplifier.
8. Connect the cable assembly which comes in the kit between the LESLIE speaker and the 9-contact socket on the console connector.

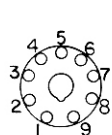
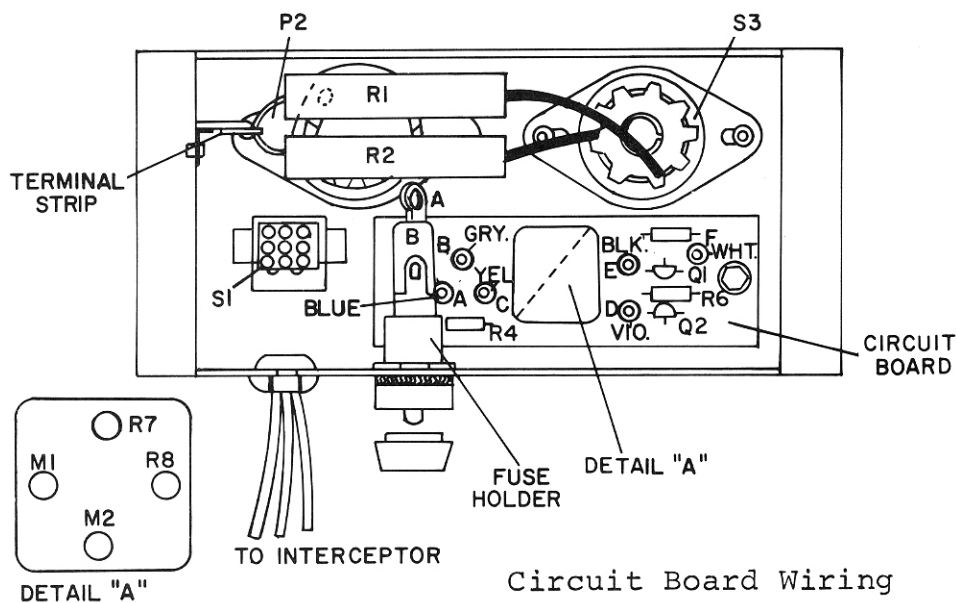
9. Mount the echo control switch on the keybed. (Generally it is mounted on the player's left.) Screws are provided.
10. Lift the top of the organ. Remove a screw at each side of the organ, which keeps the tab rail in place. Lift the tab rail.
11. Remove a metal bracket held in place with a screw, on each side of the organ, and lift the upper manual.
12. Locate a hole on the extreme left, about four inches behind the cheek block. Thread the wires from the echo control up through this hole, and across the organ behind the keys.
13. Locate the hole at the right rear of the tone generator shelf (the one on which the echo control wires are now lying). Feed the echo control plug through this hole.
14. Connect the echo control plug to the white socket on the console connector.
15. If the console connector was not previously fastened to the organ floor use the screws provided to hold it in place.
16. Replace the upper manual; install the brackets on each side.
17. Put down the tab rail and fasten it in place.
18. Close the organ top and replace the back panel.

WIRING (Refer to figure below)

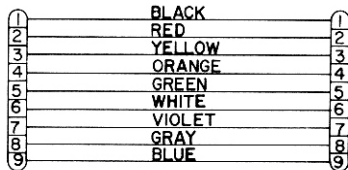
FROM	COLOR	TO
circuit board, A	blue	6-contact interceptor
circuit board, B	gray	6-contact interceptor
circuit board, C	yellow	6-contact interceptor
P2, pin 1	black	terminal strip
2	red	S1, pin 4
3	orange	S1, pin 9
4	green	S1, pin 3
5	white	S1, pin 1
8	gray	S3, pin 8
9	blue	fuse holder, B
S3, pin 2	blue	S1, pin 8
4	yellow	S1, pin 2
5	black	circuit board, E
5	black	terminal strip
6	white	circuit board, F
7	violet	circuit board, D
9	blue	fuse holder, A



Circuit Board Assembly Part No. 063818



Socket



Plug

021600 Speaker Cable
(Plug and socket viewed from wire end)

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: 126120 CONSOLE CONNECTOR ASSEMBLY

Circuit Board Assembly	063818
Lamp, miniature, neon, #NE2 (M1, M2)	063958
Resistor, 100K, 112W, 10% (R3, R4)	028498
Resistor, LDR, VT-904 (R7, R8)	117980
Resistor, 120K, 112W, 10% (R5, R6)	027078
Transistor, MSPS 4382 (Q1, Q2)	026237
Etched Circuit Board	059303
Interceptor Assembly, 6-circuit, 42-inch	126190
Housing, plug, 6-circuit, Molex, natural (white)	023259
Housing, socket, 6-circuit, Molex natural (white)	023267
Insert, contact, Molex, male	023309
Insert, contact, Molex, female	023556
Can Assembly, lamp housing	063826
Plug with mounting, 9-pin (P2)	029058
Socket with mounting, 9-contact (S3)	061713
Housing, socket, 9-circuit miniature Molex, natural (white) (S1)	101280
Insert, contact, female, miniature Molex	065581
Resistor, wire-wound, 16-ohm 110W 10% (R1, R2)	029363
Fuse Holder	055178
Fuse, 5-amp 250V	029280
Terminal Strip, 1-lug	055319
Bushing, strain relief, 5P-4	022368
Stand-off, 6-32 x .375	121290
Stud, Tri-mount	012690
Screw, machine, 6-32 x 3/8, hex washer head	113780
Screw, sheet metal, 12 x 3/8, Phillips head	029314

PARTS LIST: 057034 CONSOLE ADAPTER

Socket 9-contact (S2)	028837
Housing, socket, 9-circuit, natural (white) (S5)	060103
Housing, plug, 9-circuit, natural (white) (P6)	060095
Contact, Amp	060111
Cap With Grommet	013136

PARTS LIST: 021600 SPEAKER CABLE

Plug Assembly, 9-pin	061879
Socket, 9-contact	028837
Cap, body	022046
Clamp, cut	022079
Screw, machine, 6-32 x 3/8	027979

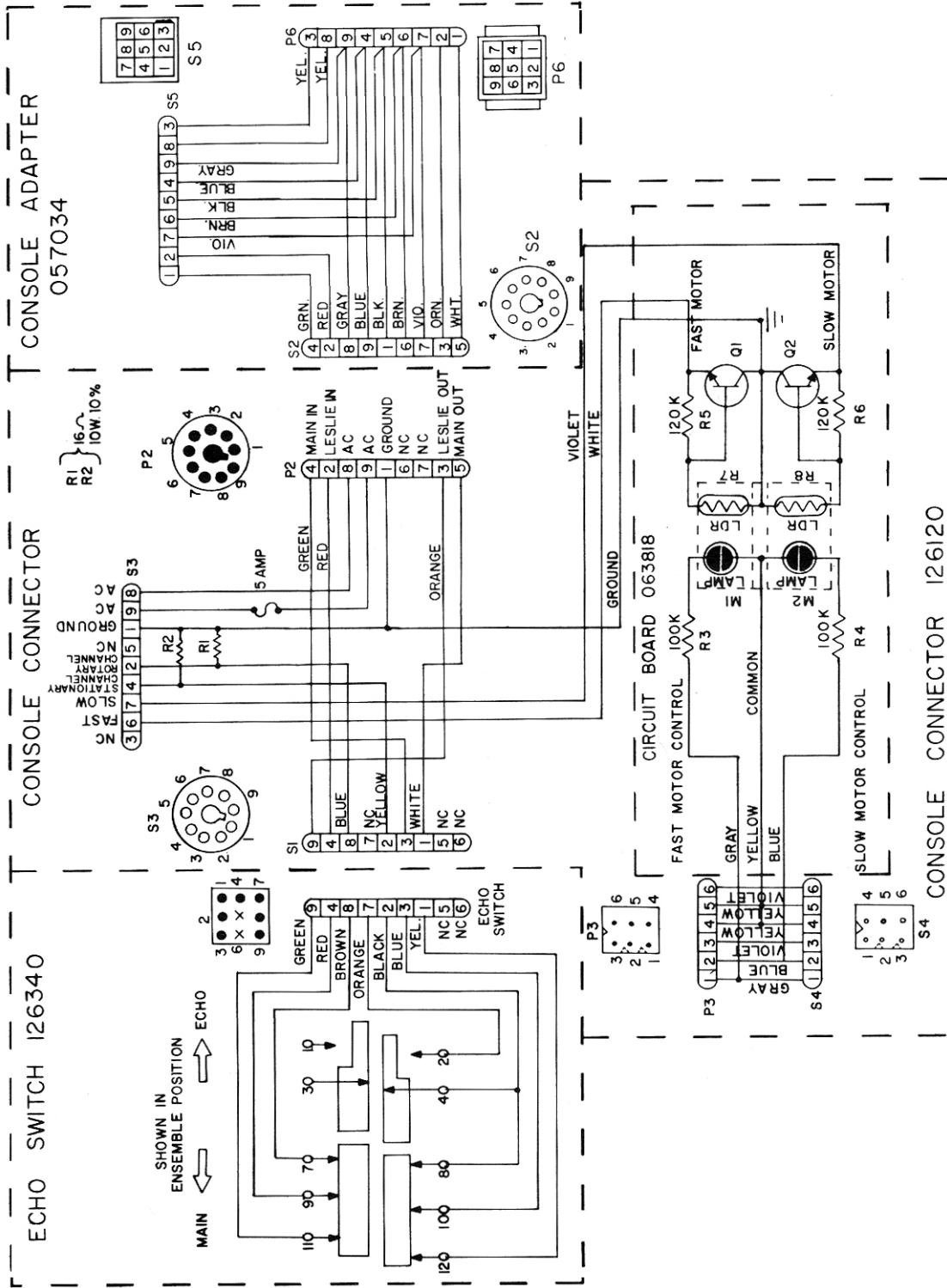
PARTS LIST: ECHO CONTROL

Switch Cover		Switch, Cable, and Plug Assembly	126250
brown	103750		
ebony	103760		
ivory	103770	Switch Retainer (2)	048116
Case Cover		Screw, thread-cutting, 6-32 x 3/8	029140
brown	048702		
ebony	048710		
ivory	048728	Label, MAIN/ENSEMBLE/ECHO	103670
Switch Knob		Cork, adhesive	029157
brown	048066		
ebony	048074		

MULTIPLE SPEAKER INSTALLATION

For complete information see the service manual for the LESLIE speaker to be added.

Schematic, next page



Schematic; Console Connector Part No. 126120 and Associated Parts