

CONSOLE CONNECTOR KIT 7519 INSTALLATION INSTRUCTIONS
FOR USE WITH: LOWREY Organ Model TGS
LESLIE Speaker Models 700, 710

KIT CONTENT

Console Connector Assembly	137988	Echo Control	
Hardware Package	138018	brown	137997
Screw, wood, 6 x 1/2,		ebony	137998
Phillips head (4)	029124	ivory	137999
Screw, sheet metal,		Tremolo Control	
8 x 1/2, Phillips head (2)	029132	brown	043281
Staple, insulated (8)	028464	ebony	043299
Housing, plug, Mini-Molex,		ivory	043307
9-circuit, natural (white)	101290	Cable Assembly,	
Oiler	053025	9-conductor, 30-foot	021600

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 person authorized by the dealer or factory to perform such work.

INSTALLATION

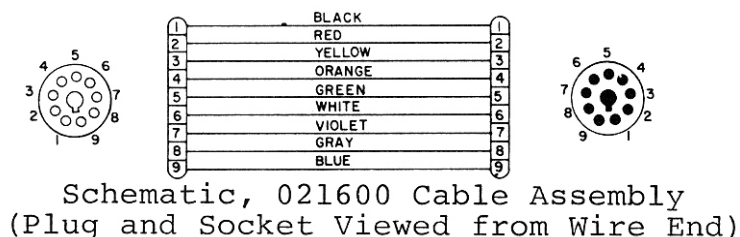
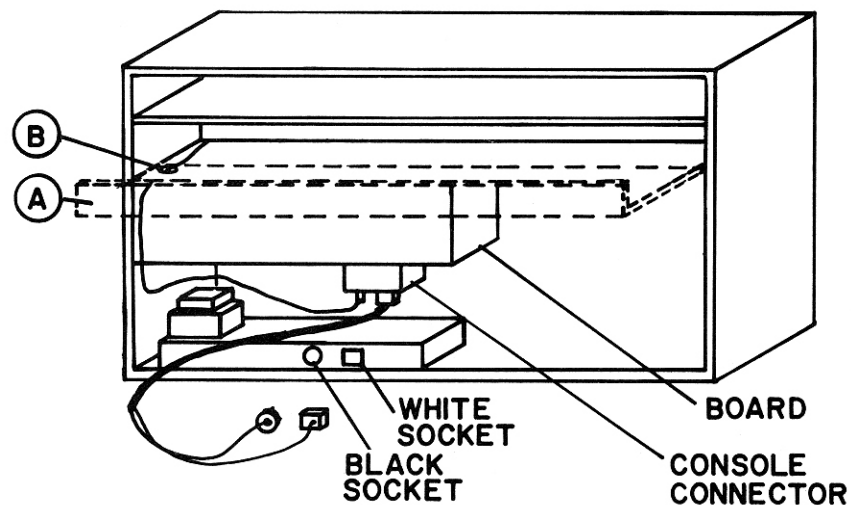
CAUTION: DISCONNECT ORGAN POWER BEFORE PROCEEDING!

1. Remove the back panel of the organ.
2. Remove a screw on each side of the circuit board tray (A, installation figure) at the upper part of the organ; remove a wooden cylinder held in place by a long screw, at each side of the circuit board tray; lower the tray on its hinges.
3. Locate a hole (B) at the far left (as you view the organ from the rear) of the tray. The control wires must pass through this hole, which also provides a passageway for some wires of the organ circuitry.
4. Mount the echo and tremolo controls under the keyboard shelf, in a position convenient for the organist. Wood screws are provided.
5. Route the wires into the interior of the organ by passing them over the decorative panel at the front of the organ.
6. Pass the plug of the tremolo control and the wires of the echo control through the hole located in step 3.
7. Attach the white Molex plug to the free wire ends of the echo control. (Insert the wires from the small, numbered end of the plug.) See the schematic and plug drawings for wire and terminal identification.

8. Connect the echo and tremolo control plugs to the ECHO SW. and TREM. SW. sockets on the console connector.
9. Mount the console connector under the wooden box-like arrangement in the center of the organ, under the circuit board tray. Note that the two plugs from the console connector must be able to reach to the sockets of the organ's amplifier/power supply.
10. Connect the round, black plug and the rectangular, white plug to the matching sockets on the amplifier/power supply chassis of the organ, at the left of the organ floor. (See installation drawing.)
11. Attach the cable included in the kit between the console connector and the LESLIE speaker input plug.
12. Close the circuit board tray and fasten it at each side.
13. Replace the back of the organ. The cable from the console connector will pass out through the opening at the bottom left of the back panel.

MULTIPLE SPEAKER INSTALLATION

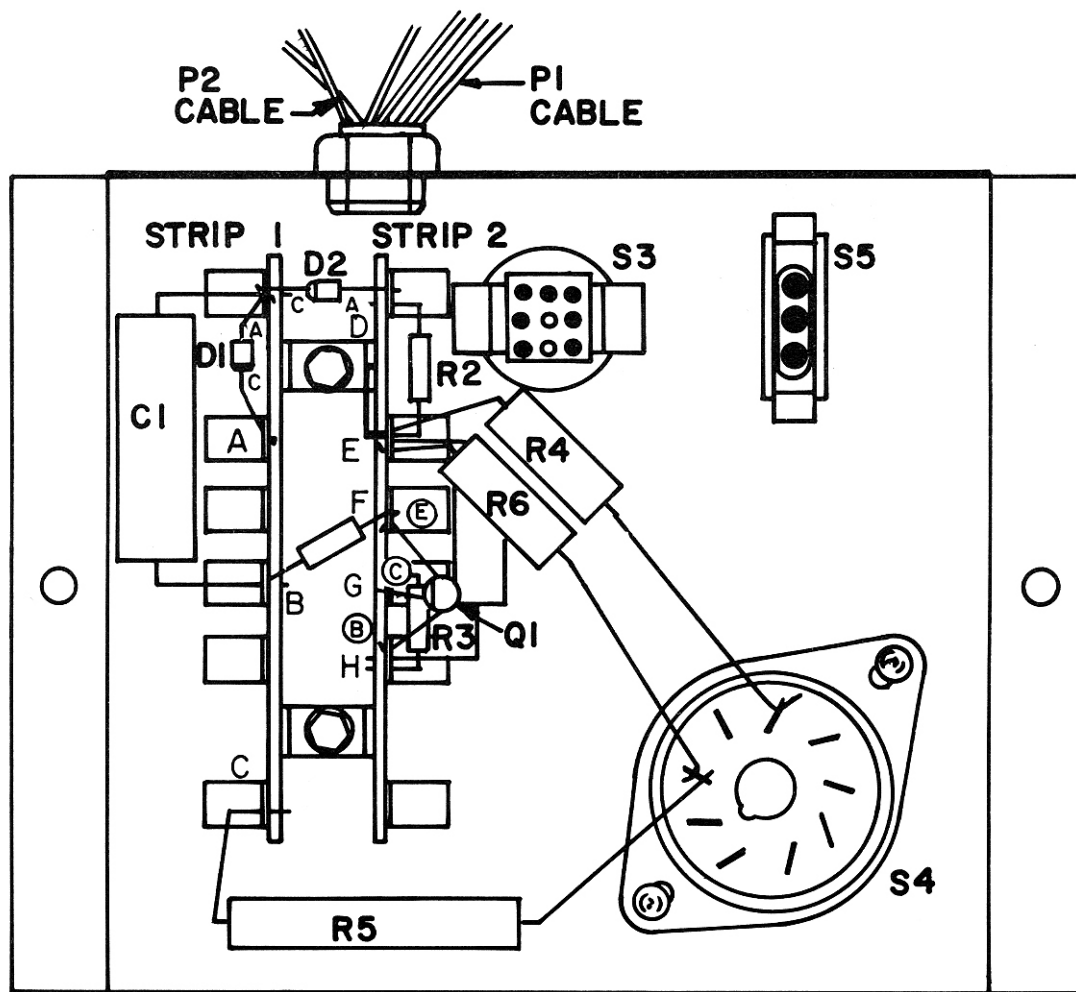
For complete information see the service manual for the LESLIE speaker to be added.



PARTS LIST: 021600 CABLE ASSEMBLY

Plug Assembly, 9-pin	061879
Socket, 9-contact	028837
Cap Body, right	130000
Cap Body, left	130010
Screw, sheet metal, 4 x 1/2, hex washer head	136360

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 Identification and Wiring Diagram

PARTS LIST: 137988 CONSOLE CONNECTOR ASSEMBLY

Cable and Plug Assembly, 5-circuit (includes P1)	137994
Cable and Housing Assembly, plug, 9-circuit (includes P2)	137992
Housing, socket, Mini-Molex, 9-circuit, natural (white) (S3)	101280
Socket with Plate, 9-contact (S4)	061713
Housing, socket, Molex, 3-circuit, natural (white) (S5)	042077
Terminal Strip, 6-lug	058065
Transistor, 2N3859A (Q1)	061366

Diode, 10D1, 100PIV, 1-amp (D1, D2)	021154
Capacitor, electrolytic, 50 mfd, 50V (C1)	025262
Capacitor, electrolytic, 5 mfd, 50V (C2)	028589
Resistor, 3.3K, 1/2W, 10% (R1)	024141
Resistor, 100-ohm, 1/2W, 10% (R2)	028399
Resistor, 120K, 1/2W, 10% (R3)	027078
Resistor, wire-wound, 100-ohm 3W, 10% (R4)	021675
Resistor, wire-wound, 16-ohm, 10W 10% (R5)	029363
Resistor, wire-wound, 8-ohm, 5W, 10% (R6)	021493
Stand-off, 6-32 x .375	121290
Stud, Tri-mount	012690
Bushing, strain relief, 6P-4	029256

PARTS LIST: ECHO CONTROL

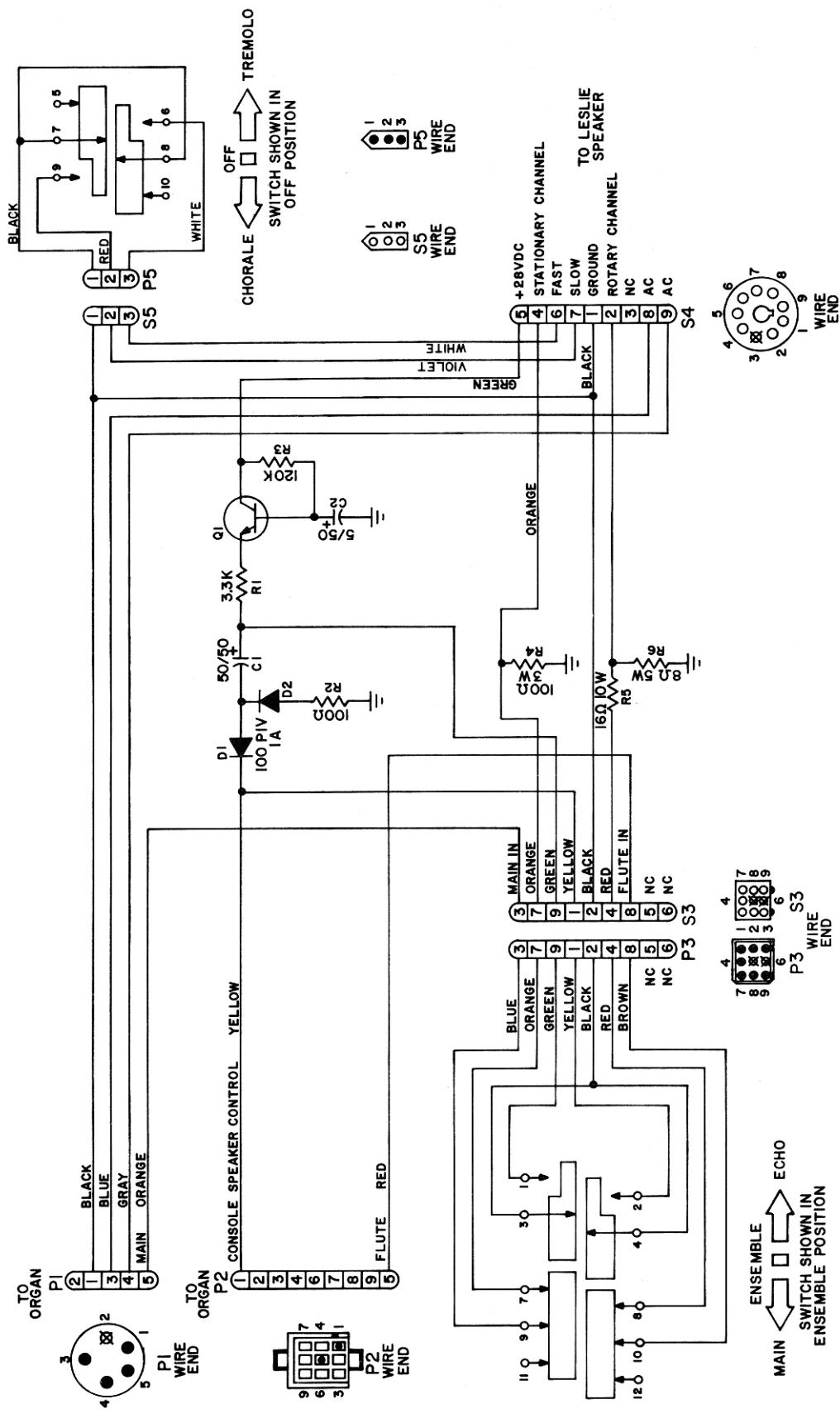
Switch Case		Switch, Cable, & Plug Assembly	138000
brown	103750		
ebony	103760		
ivory	103770	Switch Retainer (2)	048116
Case Cover			
brown	048702	Screw, thread-cutting, 6 x 3/8 (2)	029140
ebony	048710		
ivory	048728		
Switch Knob		Label, MAIN/ENSEMBLE/ECHO	103670
brown	048066		
ebony	048074	Cork, adhesive	029157

PARTS LIST: TREMOLO CONTROL

Switch Case		Switch, Cable, & Plug Assembly	043315
brown	103750		
ebony	103760		
ivory	103760	Switch Retainer (2)	048116
Case Cover			
brown	048702	Screw, thread-cutting, 6 x 3/8 (2)	029140
ebony	048710		
ivory	048728		
Switch Knob		Label, CHORALE/OFF/TREMOLO	103650
brown	048066		
ebony	048074	Cork, adhesive	029157

WIRE LIST

FROM	COLOR	TO
STRIP 1, A	yellow	S3, pin 1
STRIP 1, A	yellow	P2 cable
STRIP 1, B	green	S3, pin 9
STRIP 1, C	red	S3, pin 4
STRIP 2, D	black	S5, pin 1
STRIP 2, E	black	S4, pin 1
STRIP 2, E	black	P1 cable
STRIP 2, G	green	S4, pin 5
S3, pin 2	black	S4, pin 1
S3, pin 3	orange	P1 cable
S3, pin 7	orange	S4, pin 4
S3, pin 8	red	P2 cable
S4, pin 6	white	S5, pin 3
S4, pin 7	violet	S5, pin 2
S4, pin 8	gray	PI cable
S4, pin 9	blue	PI cable



Schematic, 137988 Console Connector and Controls