

CONSOLE CONNECTOR KIT 7951 INSTALLATION INSTRUCTIONS
FOR USE WITH: WURLITZER Organ Model 950
LESLIE Speaker Models Combination 540/705

INTRODUCTION

This kit contains equipment which, when properly installed in the organ and connected to the LESLIE speakers, provides interfacing between the organ and the speakers. A combination of controls (built-in and attached) is provided for on/off, LESLIE rotor units motor speed (fast, slow, off) , echo/main/ensemble (also called ECHO/ORGAN/MIX) effect, and LESLIE speaker volume balance. The operation of the controls is discussed in detail in a later section of these instructions.

The four channels of the organ are processed and routed to appropriate loudspeakers in each cabinet: The presence channels to model 540, the LESLIE and the straight channels to model 705. (See schematic)

KIT CONTENT

Console Connector Assembly	140334	Control Center,	
Cable Assembly, 11-conductor,		VOLUME/ON-OFF/ECHO	140348
30-foot	137357	Hardware Package	139186
Y-adapter	137469	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 person authorized by the dealer or factory to perform such work.

INSTALLATION

CAUTION: DISCONNECT ORGAN POWER BEFORE PROCEEDING:

CONTROL CENTER MOUNTING

1. Select a location under the keybed where the control is to be mounted. Keep in mind that the cable from the control must pass into the interior of the organ. A suitable hole is available in the keybed just to the left of the lower manual. If the left-hand location is not used, drill a 1-inch-diameter hole in the keybed near the selected mounting location.

CAUTION: Be careful to select a location where no internal parts will be damaged when the hole is made.

2. Cut out the paper template (figure 2) provided in this instruction sheet.
3. Measure the width of the key strip at the place chosen for control mounting. Fold the template along the line corresponding to this width.

4. Lay the template in position behind the key strip, with the narrow portion toward the front of the organ, and use a sharp instrument or pencil to scribe the location of the four mounting screws. Start the holes for the screws.

NOTE: To retain maximum screw-holding power, merely break the surface of the wood.

5. Put the four leveling screws (flat-headed machine screws) into the holes indicated in figure 1, WITH THE HEADS UPWARD. Hold the control mounting bracket in position at the location marked for mounting. Adjust each of the four leveling screws so that the control is positioned just below the keybed, and is level.
6. Supporting the control in position, fasten the mounting screws into the keybed in the locations previously marked.

CONTROL CENTER CABLE ROUTING

1. Remove the back panel from the organ.
2. Put the plug of the cable from the control center through the hole selected or prepared for it. Reach through from the rear, grasp the plug and pull the cable into the interior of the organ, routing it along the back edge of the keybed to the treble side of the case and through the cable access to the amplifier area.

If it is difficult or undesirable to reach through the organ as described here, follow steps 3 through 6 for the cable routing.

3. Unlatch the (2) finger catches of the top assembly at the front left and right cheek ends.
4. Take out the two extended-hex-head fasteners (one on each side) that hold the third keyboard rail in place; lift the keyboard.
5. Take out the two fasteners under the keybed that hold the upper manual, and lift the manual.
6. Route the control cable up through the hole selected or prepared for it, as in item 2.

PARTS LIST: 140334 CONSOLE CONNECTOR ASSEMBLY

Socket, 11-contact (S2)	028852
Interceptor Assembly, 3-circuit	140338
Interceptor Assembly, 3-circuit	140340
Interceptor Assembly, 3-circuit	140342
Circuit Board Assembly	140336
Bushing, strain relief, 6P-4	029256

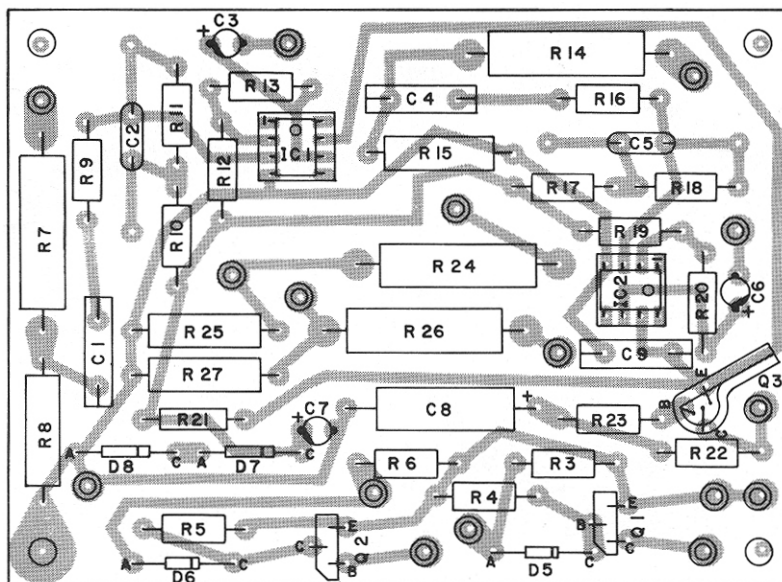


Figure 5. Circuit Board Assembly 140336

Designation	Description	Part Number
C1,C4,C9	Capacitor poly .1mF 200V 20%	022251
C2,C5	Capacitor mylar .047 100V 10%	140344
C3,C6,C7	Capacitor tantalum 22 MFD 15V	062638
C8	Capacitor elec. 25MFD 50V	050310
D5,D6	Diode SIL 30 PIV 500MW	041616
D7,D8	Diode Zener, 6.8V	118870
IC1,IC2	Integrated ckt, OP AMP 307	112640
Q1,Q2	Transistor NPN GE-D40C4	139235
Q3	Transistor 2N4425 NPN	033563
R3,R4,R5,R6	Resistor 10K 1/2W 10%	028548
R9,R12,R16,R19		
R7,R14,R24,R26	Resistor WW 100ohm 3W 10%	021675
R8,R15,R25,R27	Resistor 33 ohm 1W 10%	028332
R10,R17	Resistor 2.7K 1/2W 10%	042549
R11,R18,R22	Resistor 22K 1/2W 10%	028530
R13,R20	Resistor 390K 1/2W 10%	018028
R21	Resistor 1.5K 1/2W 10%	022277
R23	Resistor 1K 1/2W 10%	023713
	Etched circuit board	140189

PARTS LIST: 140338 INTERCEPTOR ASSEMBLY

Housing, plug, Mini-Molex,

3-circuit, orange (P5) 140353

Contact, insert, male 065599

Housing, socket, Mini Molex,

3-circuit, white (S6) 101260

Contact, insert, female 065581

Housing, socket, Mini Molex,

24-circuit, red (S1) 140429

PARTS LIST: 140340 INTERCEPTOR ASSEMBLY

Housing, plug, Mini Molex,	
3-circuit, NAT (P3)	101270
Contact, insert, male	065599
Housing, socket, Mini Molex,	
3-circuit, NAT (S4)	101260
Contact, insert, female	065581

PARTS LIST: 140342 INTERCEPTOR ASSEMBLY

Housing, plug, Mini Molex,	
9-circuit, NAT (P7)	101290
Contact, insert, male	065599
Housing, Socket, Mini Molex,	
9-circuit, NAT (S8)	101280
Contact, insert, female	065581

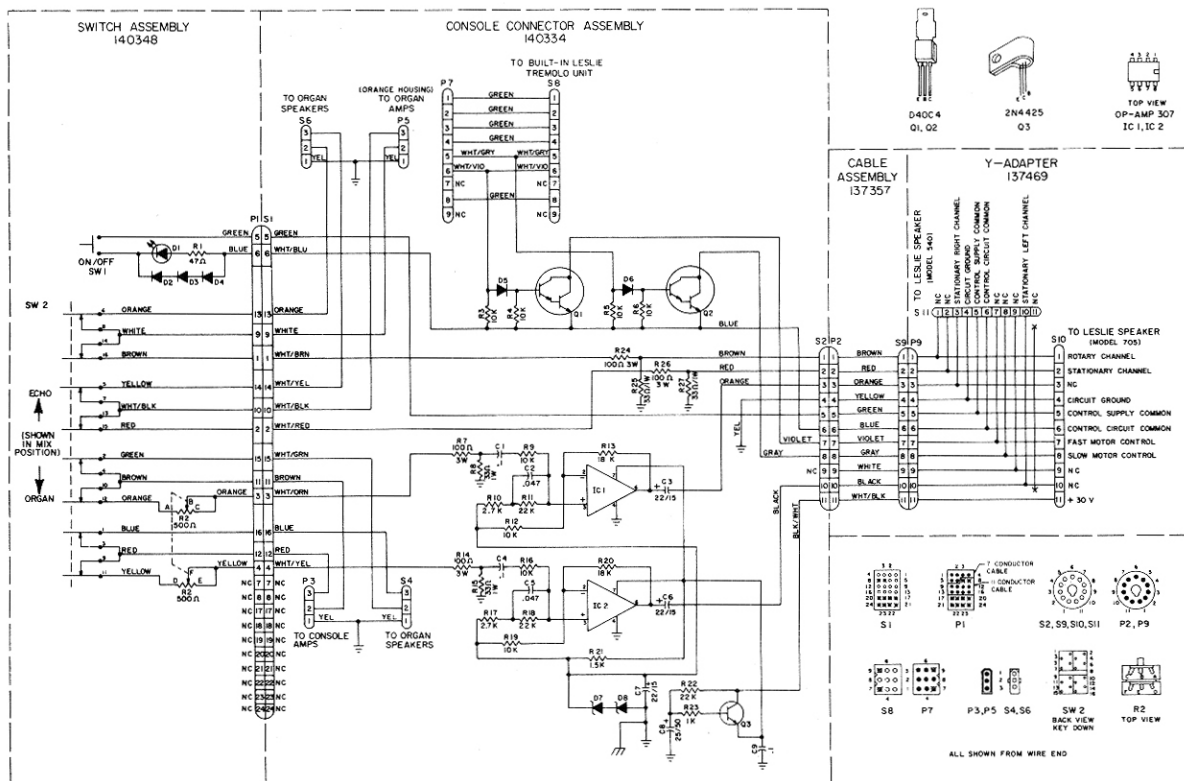


Figure 6. Schematic, Console Connector Kit 7951 Components