

CONSOLE CONNECTOR KIT 7473 INSTALLATION INSTRUCTIONS

FOR USE WITH: WURLITZER Models 4370, 4570, 4373,
and 4573 LESLIE Speaker Model 212S

KIT CONTENTS

- 1 109990 Console Connector Assembly
 - Tremolo Switch Assembly
 - Brown 039354
 - Ebony 039362
 - Ivory 039370
- 1 021600 Cable Assembly, 9-conductor, 30-foot
- 3 025635 Screws, 8 x 1/4, Phillips head
- 4 029124 Screws, 6 x 1/2, Phillips head, black oxide
- 8 028464 Staples, insulated
- 1 029611 Plug adapter, AC, 3-way
- 1 053025 Oiler
- 1 110110 Installation Instructions

INSTALLATION

CAUTION: DISCONNECT ORGAN POWER BEFORE PROCEEDING!

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.

(WURLITZER Models 4370, 4570)

1. Take the connector box from the kit and remove the back plate.
2. Locate the red and clear wires (from the gray covering) which are soldered to the third terminal (figure 1) and clip the wires from the terminal. Clip the other wire coming from the gray covering, at its terminal, and remove and discard the wires.
3. Place the back plate in position.
4. Remove the top center screw from the back panel of the organ. Remove the panel by lifting up slightly and pulling toward you.
5. Mount the connector box on the treble side (your left) of the swell shoe cover (figure 2).
6. Looking into the organ from the back, locate a board approximately 6 by 14 inches, covered with capacitors. Remove the screws from the top and bottom of the left side and swing the board outward, revealing the connections behind it (figure 3).

7. Disconnect the molex plug from the SWELL socket. Connect the SWELL interceptor (24circuit molex plug, brown wire) from the console connector to the plug just removed; insert the other plug on the same line into the SWELL socket.
8. Remove the organ AC line from the right of the same chassis. Insert the three-way plug provided in the kit and put in the console connector AC line and the organ AC line.
9. Move the capacitor board back into position and fasten it with the two screws previously removed.
10. Locate the metal box attached to the side of the organ interior, on your left (figure 3). Plug the ground (white) wire from the console connector into the unused jack near the top of this box.
11. Locate the connection labeled REVERB, on the top of the same metal box. Remove the plug from this and connect it to the socket coming from the console connector on the red wire. Insert the plug on the red wire into the REVERB socket.
12. Route the 9-conductor cable from the LESLIE speaker under the back of the organ and attach it to the console connector at the socket labeled TO LESLIE SPEAKER.
13. Remove the organ top by taking out the three screws at the back and sliding the top toward the back. Metal clamps on each side of the top will disengage with a slight pull.
14. At each side of the stop tab rail remove a screw. Lift up on the front part of the rail; the back is hinged. Also lift the ORBIT 3 manual and the upper manual.
15. Fasten the two tremolo switches on the front of the organ in a convenient location on the bass side.
16. Draw the tremolo switch cords through the round hole just behind the left-hand cheek block of the lower manual. Route the cords along behind the manual to the other side of the organ and down to the console connector. Insert the plugs into the UPPER and LOWER sockets.
17. Lower and fasten in place the two manuals and the stop tab rail.
18. Replace the organ top and fasten it.
19. Replace the back panel and fasten it. Installation is now complete.

(WURLITZER Models 4373, 4S73)

1. Remove the center screw from the back panel. Remove the panel by lifting up slightly and pulling toward you.

2. Mount the connector box on the treble side (your left) of the swell shoe cover (figure 2).
3. Looking into the organ from the back, locate a board approximately 6 x 14 inches, covered with capacitors. Remove the screws from the top and bottom of the left side and swing the board outward, revealing the connections behind it (figure 3).
4. Disconnect the molex plug from the SWELL socket. Connect the swell interceptor (24circuit molex plug, brown wire) from the console connector to the plug just removed; insert the plug on the console connector line into the SWELL socket.
5. Remove the organ AC line from the right of the same chassis. Insert the three-way plug provided in the kit and put in the console connector AC line and the organ AC line.
6. Move the capacitor board back into position and fasten it with the two screws previously removed.
7. Locate the metal box attached to the side of the organ interior, on your left (figure 3). Plug the ground (white) wire from the console connector into the unused jack near the top of this box.
8. Locate the connection labeled REVERB, on the top of the same metal box. Remove the plug from this and connect it to the socket coming from the console connector on the red wire. Insert the plug on the red wire into the REVERB socket.
9. Remove the organ top by taking out the three screws at the back and sliding the top toward the back. Metal clamps on each side of the top will disengage with a slight pull.
10. At each side of the stop tab rail remove a screw. Lift up on the front part of the rail; the back is hinged.
11. Thread the gray interceptor wire from the console connector through the shelf at the top of the organ, just above where the white wire was connected. Remove the plug from the ORBIT 3 synthesizer connection shown in figure 4 and fasten it to the socket of the wire from the console connector. Insert the plug on the same (gray) wire into the socket just vacated.
12. Route the 9-conductor cable from the LESLIE speaker under the back of the organ and attach it to the console connector at the socket labeled TO LESLIE SPEAKER.
13. Lift the ORBIT 3 manual and the upper manual.
14. Fasten the two tremolo switches on the front of the organ in a convenient location on the bass side.

15. Draw the tremolo switch cords through the round hole just behind the left-hand cheek block of the lower manual. Route the cords along behind the manual to the other side of the organ and down to the console connector. Insert the plugs into the UPPER and LOWER sockets.

16. Lower and fasten in place the two manuals and the stop tab rail.

17. Replace the organ top and fasten it.

18. Replace the back panel and fasten it. Installation is now complete.

PARTS LIST: 109990 CONSOLE CONNECTOR ASSEMBLY

Circuit Board Assembly	066346
Terminal Strip Circuit Assembly	110010
Interceptor Assembly, 24-circuit	110020
Interceptor Assembly, 6-circuit, gray	110040
Interceptor Assembly, 6-circuit, red/red	110060
Chassis	039214
Chassis Cover	110080
Cable with Plug, AC, brown	019935
Screw, machine, 8-32 x 5/8 (4 required)	026286
Screw, sheet metal, 8 x 1/4, Phillips head (4 required)	025636
Screw, sheet metal, 12 x 3/8, Phillips head (2 required)	029314
Screw, machine, 6-32 x 3/8 (2 required)	027979
Washer, LWI (8 required)	026765
Washer, FW (4 required)	037325
Nut, hex, 8-32 x 11/32 x 1/8 (8 required)	026773

PARTS LIST: TREMOLO SWITCH ASSEMBLY

Switch Case

brown	106210
ebony	106220
ivory	106230

Switch Case Cover

brown	048702
ebony	048710
ivory	048728

Knob

brown	048066
ebony	048074

Retainer (2 required) 048108 (with neoprene tubing)

Screw, machine, 6-32 x 5/16 (2 required)	024403
Screw, sheet metal, 8 x 1 (2 required)	025601
Screw, TCF, 6-32 x 1/4 x 3/32 (2 required)	029140
Nut, hex, 6-32 x 1/4 x 3/32 (2 required)	039701

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.

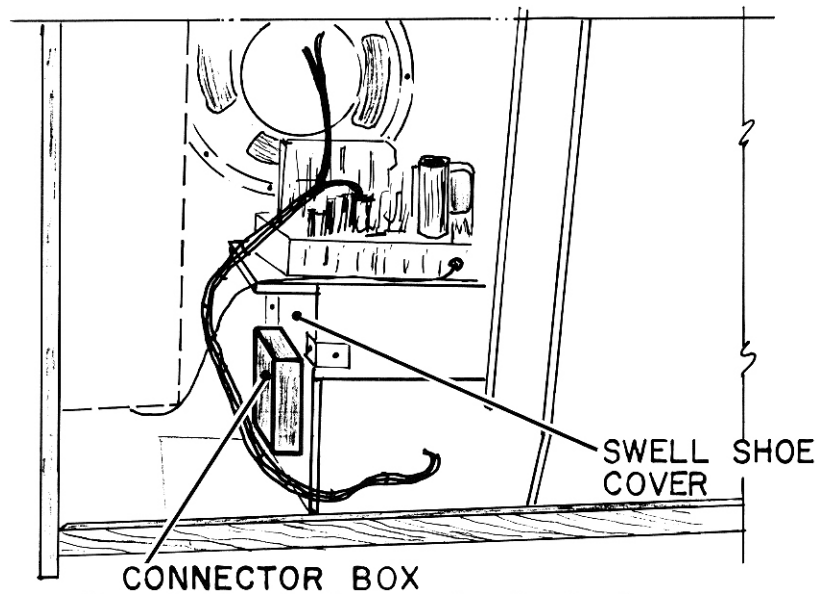
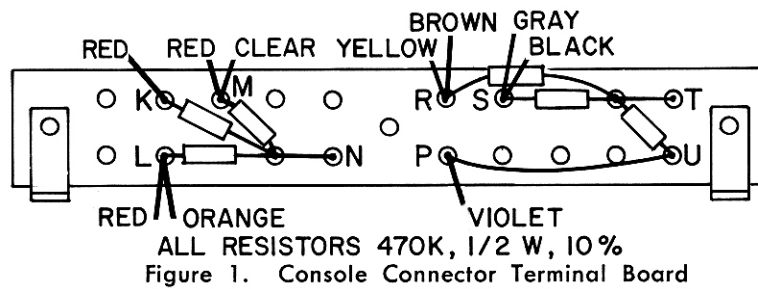


Figure 2. Console Connector Mounting Location

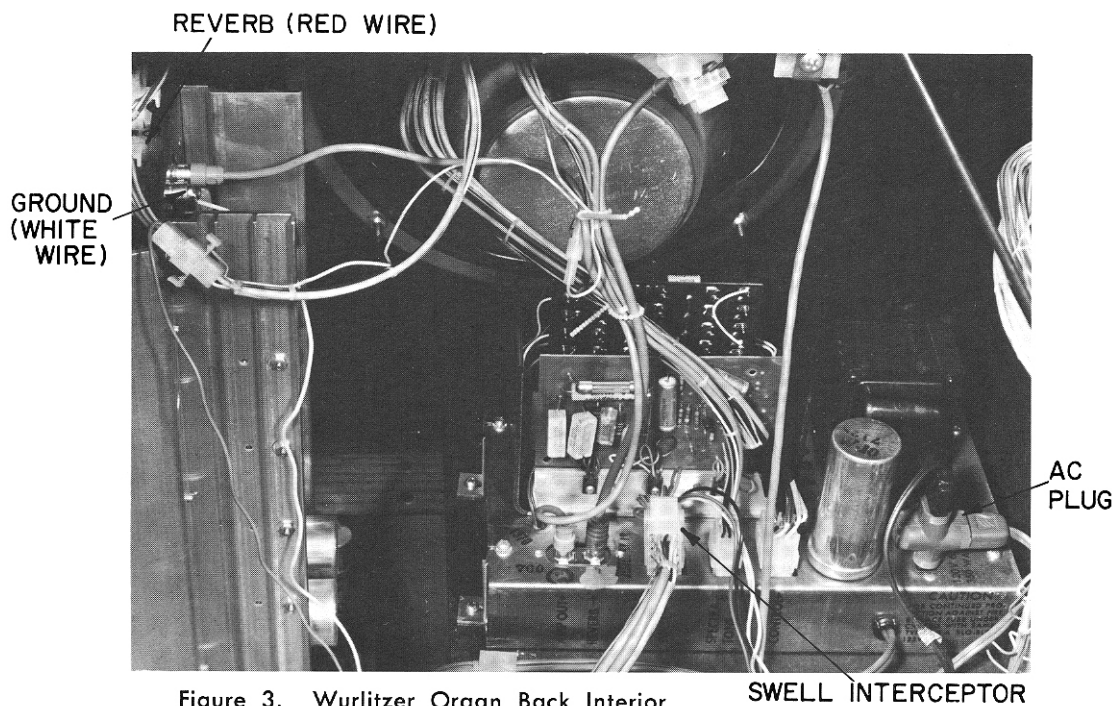
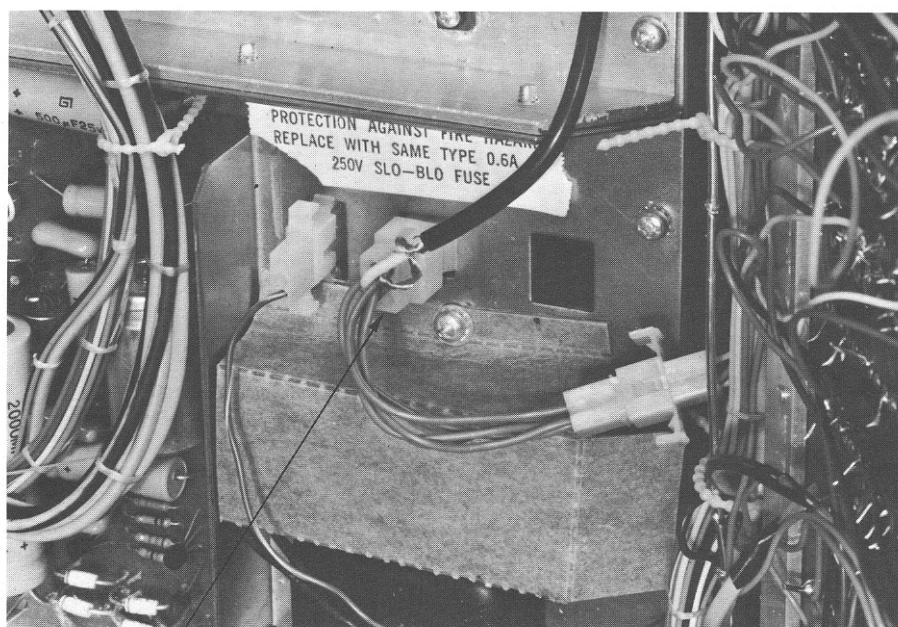


Figure 3. Wurlitzer Organ Back Interior



ORBIT 3 SYNTHESIZER INTERCEPTOR

Figure 4. Wurlitzer Organ Top Interior

