

## CONSOLE CONNECTOR KIT 7279 INSTALLATION INSTRUCTIONS

FOR USE WITH: All Single-channel Organs with Built-in Speakers

LESLIE Speaker Models 110, 120, 125, 145, 147, 147RV, 225, 247, 247RV

### KIT CONTENT

Console Connector Assembly	012617	<u>Echo Control</u>	
Console Adapter	027094	brown	029397
Cable Assembly, 6-conductor, 30-foot	017277	ebony	029405
Hardware Package	035733	ivory	029413
Screw, wood, 6 x 1/2, Phillips head (4)	029124	<u>Tremolo Control</u>	
Screw, sheet metal, 8 x 1/2, Phillips head (2)	029132	brown	012625
Wire Nut (5)	028076	ebony	012633
Staple, insulated (5)	028464	ivory	012641
		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. Mount the echo and tremolo control switches on the wooden rail in front of the lower manual, using the wood screws provided.
2. Route the control cables under the lower manual, through the keyboard shelf, and into the amplifier section of the console. If no opening is provided, drill a 7/8" hole in the keyboard shelf just under the lower manual. Be careful to select a location where no internal components will be damaged.
3. Mount the console connector inside the organ in a position where all cables and connectors can reach their connection points.
4. Plug the echo and tremolo control cables into the ECHO SW and TREMOLO SW sockets, respectively, of the console connector (figure 1).
5. Connect the black wire from the console adapter to any ground point (A, figure 2) on the organ console amplifier.

6. Cut the signal lead to the organ speaker. (Do not cut the wire near the terminal; leave a workable length for the connection which is to be made.) Strip the end of the wire which is still connected to the speaker (1/4 to 3/8 inch) and connect this and the green wire from the console adapter together, using one of the wire nuts provided in the kit. (See B, figure 2.) It is not necessary to twist the wires together before inserting them in the wire nut; the nut joins the wires when it is turned.

**6A. Organs with a crossover and a single amplifier:** Cut the signal lead between the amplifier and the crossover, after the headphone switch. Connect the red wire from the console adapter to the amplifier side of the lead, using a wire nut. Connect the green wire from the console adapter to the lead on the speaker side, using a wire nut. Omit step 7.

#### NOTE

When the headphones are used all external sound should be cut off. If this connection is not properly made (that is, after the headphone switch) the LESLIE speaker will still be heard externally even though the headphones are used.

7. Strip the end of the wire still attached to the organ console amplifier. Connect this and the red wire from the console adapter together, using a wire nut.
8. Locate wires carrying switched 117-V AC inside the organ. Connect the blue and gray wires from the adapter to the AC wires, using wire nuts. The terminals of the power transformer may be used for this connection, if desired. Also, some organs may have a socket providing the switched AC. In this case a plug may be attached to the blue and gray wires, for convenient installation.
9. Fit the 5-pin adapter socket onto the CONSOLE plug on the connector chassis (figure 1).
10. Plug the cable from the LESLIE speaker into the socket marked LESLIE SPEAKER, on the connector chassis.
11. Follow the load resistor setting instructions as outlined in the LESLIE service manual.
12. Adjust the volume as outlined in the LESLIE service manual. The installation is now complete.

#### 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: 012617 CONSOLE CONNECTOR ASSEMBLY

Socket, 2-contact (S5)	029298
Socket, 5-contact (S3)	029652
Socket, 6-contact (S4)	060459
Plug, 5-pin (P2)	025437
Fuse Holder	055178
Fuse, 5-amp	029280
Screw, sheet metal, 12 x 3/8	029314

PARTS LIST: 027094 CONSOLE ADAPTER

Cap	013136
Socket, 5-contact (S1)	029264

PARTS LIST: ECHO CONTROL

Switch Case		Switch, Cable, & Plug Assembly	062000
brown	103750		
ebony	103760		
ivory	103770	Switch Retainer (2)	048116
Case Cover			
brown	048702	Screw, thread-cutting, 6-32 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	061994
brown	103750		
ebony	103760		
ivory	103770	Switch Retainer (2)	048744
Case Cover			
brown	048702	Screw, thread-cutting, 6-32 x 3/8 (2)	029140
ebony	048710		
ivory	048728		
Switch Knob		Label, CHORALE/TREMOLO	103640
brown	048066		
ebony	048074	Cork, adhesive	029157

MULTIPLE SPEAKER INSTALLATION

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

