

CONSOLE CONNECTOR KIT 7960 INSTALLATION INSTRUCTIONS
FOR USE WITH: YAMAHA Organ Model E-3
LESLIE Speaker Models 125, 225, 145, 147, 147RV, 247, 247RV

KIT CONTENT

Console Connector Assembly	038570	Echo Control	
Console Adapter Assembly	038588	brown	019588
Cable Assembly, 6-conductor,		ebony	019596
30-foot	017277	ivory	019604
Hardware Package	038596	Tremolo Control	
Screw, wood, 6 x 3/4 (4)	032086	brown	019554
Screw, sheet metal,		ebony	019562
8 x 1/2, Phillips head (2)	029132	ivory	019570
Staple, insulated (8)	028464	Oiler	053025

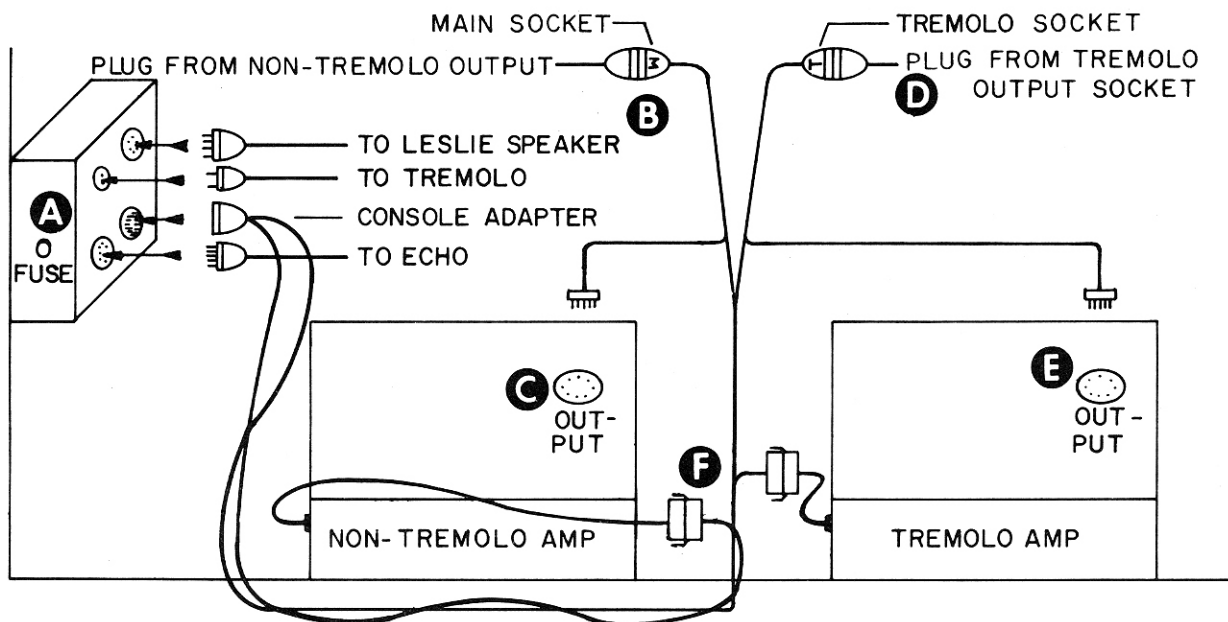
CAUTION: Due to the presence of electrical potential and the danger of moving mechanical parts, installation procedures or adjustments requiring work inside the LESLIE speaker cabinet or the organ console should be performed only by a service man authorized by the dealer or factory to perform such work.

INSTALLATION

CAUTION: DISCONNECT ORGAN POWER BEFORE PROCEEDING!

1. Remove the front and back panels from the organ.
2. Mount the echo and tremolo control switches beneath the wooden rail located in front of the lower manual. Use the four black oxide wood screws provided in the hardware package.
3. Using the staples provided, fasten the echo and tremolo cables to the right inner wall (as seen from organ's front) of the organ.
4. Mount the console connector on the left inner wall (as seen from the rear of the organ). (A, figure 3).
5. Plug the echo and tremolo control cables into the console connector sockets marked ECHO and TREMOLO, respectively. (A) Cable slack should be stored in the rear of the organ to avoid entanglement with the spinning tremolo rotor.
6. Disconnect the plug from the OUTPUT socket on the non-tremolo amplifier. Plug it into the adapter socket marked MAIN. (B)
7. Insert the plug adjacent to the MAIN socket of the adapter into the non-tremolo amplifier socket. (C)

8. Disconnect the plug from the OUTPUT socket on the tremolo amplifier. Plug it into the adapter socket marked TREMOLO. (D)
9. Insert the plug adjacent to the TREMOLO socket of the adapter into the OUTPUT socket on the tremolo amplifier. (E)
10. Disconnect the cables supplying AC power from the main amplifier to the tremolo amplifier. (F)
11. Connect the white adapter plug to the white socket on the amplifier power cable.
12. Connect -the white adapter socket to the white plug on the amplifier power cable.
13. Attach the 9-contact socket of the adapter to the plug marked CONSOLE, on the console connector. (A)
14. Connect the 6-conductor cable assembly from the kit between the LESLIE speaker and the LESLIE SPKR socket on the console connector. The cable should pass through the slot in the organ back panel.
15. Set the load resistor switch on the LESLIE speaker amplifier to OPEN, as outlined in the service manual for the speaker.
16. Replace the back panel on the organ. Installation is now complete.



(SEEN FROM BACK OF ORGAN)

Ordering Parts

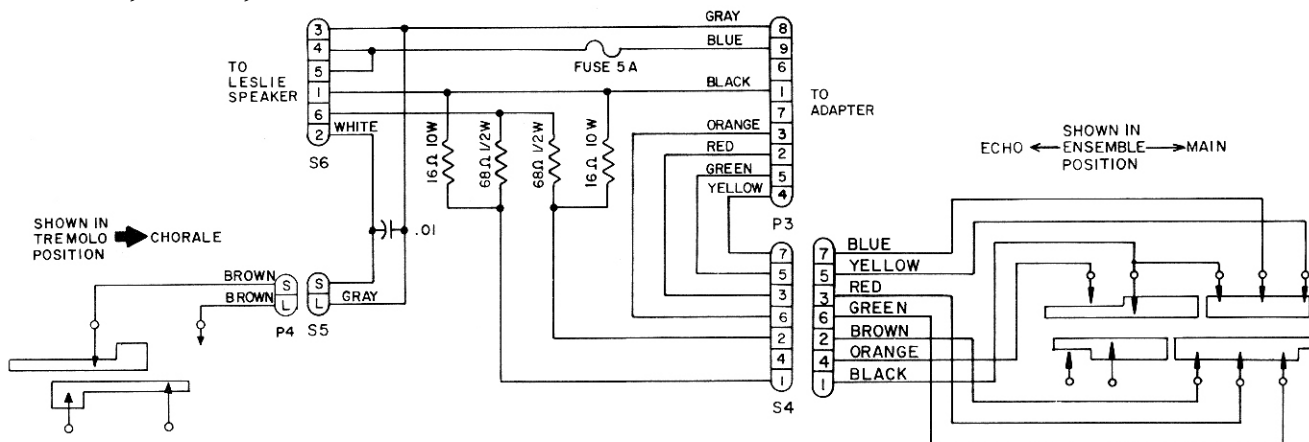
Standard hardware, connectors, and electronic components should be purchased locally. Non-standard items may be obtained through a LESLIE speaker dealer. Orders should include part numbers as listed.

PARTS LIST: 038570 CONSOLE CONNECTOR ASSEMBLY

Socket, 2-contact (S5)	029298
Socket, 7-contact (S4)	029306
Socket, 6-contact (S6)	060459
Plug, 9-contact (P3)	021170
Fuse Holder	055178
Fuse, 5-amp	029280
Capacitor, .01 mfd, 1000V	060467
Resistor, 16-ohm, 10W, 10% (2)	029363
Resistor, 68-ohm, 1/2W, 10%	038661

PARTS LIST: 038588 CONSOLE ADAPTER

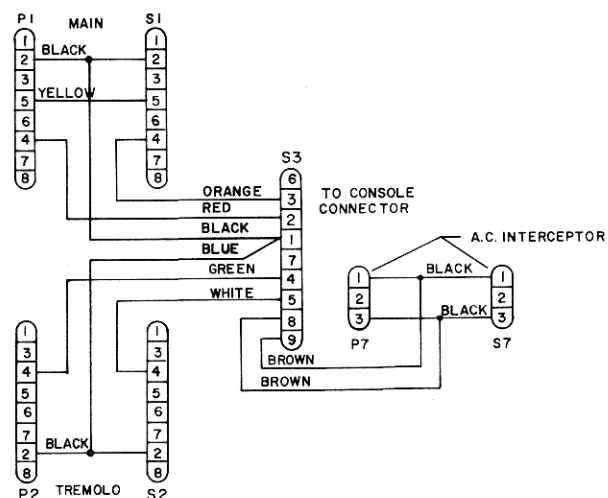
Socket without plate, 8-contact (S1, S2)	027847
Socket without plate, 9-contact (S3)	028837
Plug without plate, 8-pin (PI, P2)	027854
Housing, socket, 3-circuit, natural (white) (S7)	019919
Housing, plug, 3-circuit, natural (white) (P7)	019927
Cap with Grommet	013136
Contact, insert, female	010397
Contact, insert, male	010421



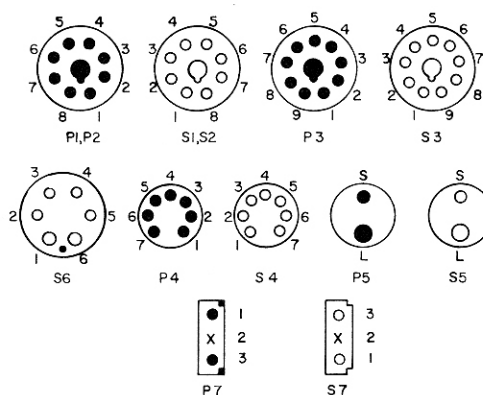
Schematic, 038570 Console Connector Assembly and Controls

PARTS LIST: ECHO CONTROL

switch Case		Switch, Cable, & Plug Assembly	029249
brown	103810		
ebony	103820		
ivory	103830		
Case Cover		Switch Retainer (2)	048116
brown	048702		
ebony	048710		
ivory	048728		
Switch Knob		Screw, thread-cutting, 6-32 x 3/8 (2)	029140
brown	048066		
ebony	048074		
		Label, MAIN/ENSEMBLE/ECHO	103670
		Cork, adhesive	029157



Schematic, 038588 Console Adapter



Plugs and Sockets
(View from Wire End)

PARTS LIST: TREMOLO CONTROL

Switch Case

brown	103810
ebony	103820
ivory	103830

Case Cover

brown	048702
ebony	048710
ivory	048728

Switch Knob

brown	048066
ebony	048074

Switch, Cable, & Plug Assembly

061994

Switch Retainer (2)

048744

Screw, thread-cutting, 6-32 x 3/8 (2)

029140

Label, CHORALE/TREMOLO

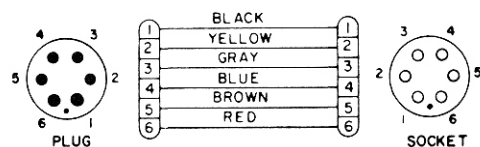
103640

Cork, adhesive

029157

MULTIPLE SPEAKER INSTALLATION

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



PARTS LIST: 017277 CABLE ASSEMBLY

Plug, 6-pin	061721
Socket, 6-pin	029546
Cap Body, right	130000
Cap Body, left	130010
Screw, sheet metal, 4 x 1/2, hex washer head	136360