

CONSOLE CONNECTOR KIT 8280 INSTALLATION INSTRUCTIONS
 FOR USE WITH: HAMMOND Organ series E-100, M-100
 LESLIE Speaker Models 120, 125, 145, 147,225,245 dual cabinet installations

KIT CONTENT

Console Connector Assembly	060285	Washer, flat,	
Console Adapter Package	060426	.125 x .312 x .020	025189
Adapter Assembly, green	039842	Staple, insulated	028464
Adapter Assembly, red	039859	Oiler	053025
Adapter, console, 7 to 5	062091	Installation Instructions	039818
Cable Assembly,6-conductor,		Echo Control	
30-foot (2)	017277	brown	052035
Hardware Package	030999	ebony	052043
Connector, double tab, male	012229	ivory	052050
Screw, wood, 6 x 1/2		Tremolo Control	
Phillips head, black (4)	029124	brown	012625
Screw, sheet metal, 8 x 1/2,		ebony	012633
Phillips head (2)	029132	ivory	012641
Screw, thread-cutting,			
4-40 x 1/4	039826		

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!

E-100 INSTALLATION (figure 1)

1. Attach the echo and tremolo controls under the keybed of the lower manual. Choose the two mounting holes in the switch housings which best center the screws in the wood. Use the black oxide screws supplied in the hardware kit.
2. Remove the knee plate under the keybed and pass the cables from the tremolo switches into the organ. Cut a small notch in the knee plate to accommodate the cables. Replace the knee plate. Then thread the cables through one of the wire access slots in the rear edge of the upper shelf. Insert the cable plugs into the corresponding console connector sockets.
3. Mount the console connector on the underside of the shelf and slightly to the right of the 15" speaker. (As seen from the rear of the organ.)

4. Loosely attach the 1/4-in. screw and washer to the double tab connector from the hardware package. Insert the pronged connector, which is on the yellow wire from the console connector, under the screw and tighten the screw. (Turn the tab connector so that it is going in the same direction as the wire.)
5. Attach the female connector on the yellow wire from the green adapter to the tab connector.
6. Attach the remaining five console connector leads to the matching color wires from the two 060426 adapters. Red adapter is the main channel interceptor; green adapter is the reverb channel interceptor.
7. On the power amplifier (right side of organ floor, as viewed from the back) locate two plugs at the left side. These plugs connect the reverberation speaker and treble speaker to the amplifier. Detach these plugs and connect them to the appropriate sockets of the 060426 adapters. Connect the adapter plugs to the sockets on the amplifier.
8. Insert the AC plug (five pin) of the console connector into the 5-to-7 adapter from the kit. Plug this adapter into the AC socket of the organ amplifier.
9. Plug one speaker cable into the console connector socket marked MAIN. Attach the other end of the cable to the LESLIE speaker being used for the main channel.*
10. Plug the second speaker cable into the console connector socket marked REVERB. Attach the end of the cable to the LESLIE speaker being used for the reverb channel.*
11. Cut a hole in the lower edge of the back panel, for the speaker cables.
12. If necessary, adjust the speaker volume controls. *If you are using 145, 147, or 247 speakers, set the console load resistor switch to the 8-ohm position.

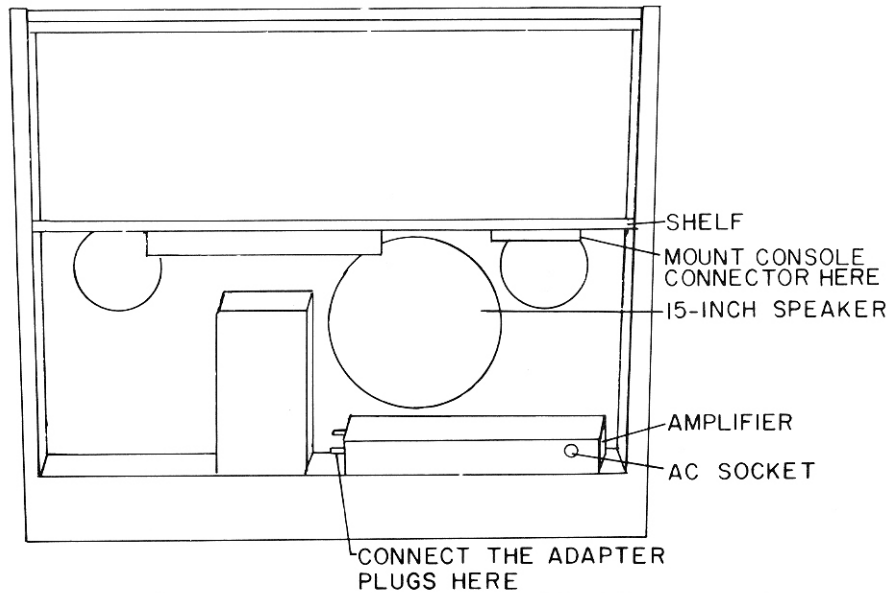
M-100 INSTALLATION (figure 3, 4)

- I. Mount the console connector chassis on the lower organ shelf near the expression pedal housing.
2. Attach the echo and tremolo controls under the keybed of the lower manual. Choose the two mounting holes in the switch cases which best center the screws in the wood. Use the black oxide screws supplied in the hardware kit.
3. Route echo and tremolo control cables under the lower manual, through the keyboard shelf, and into the amplifier section of the organ. Fasten the cables with the staples supplied in the hardware kit.

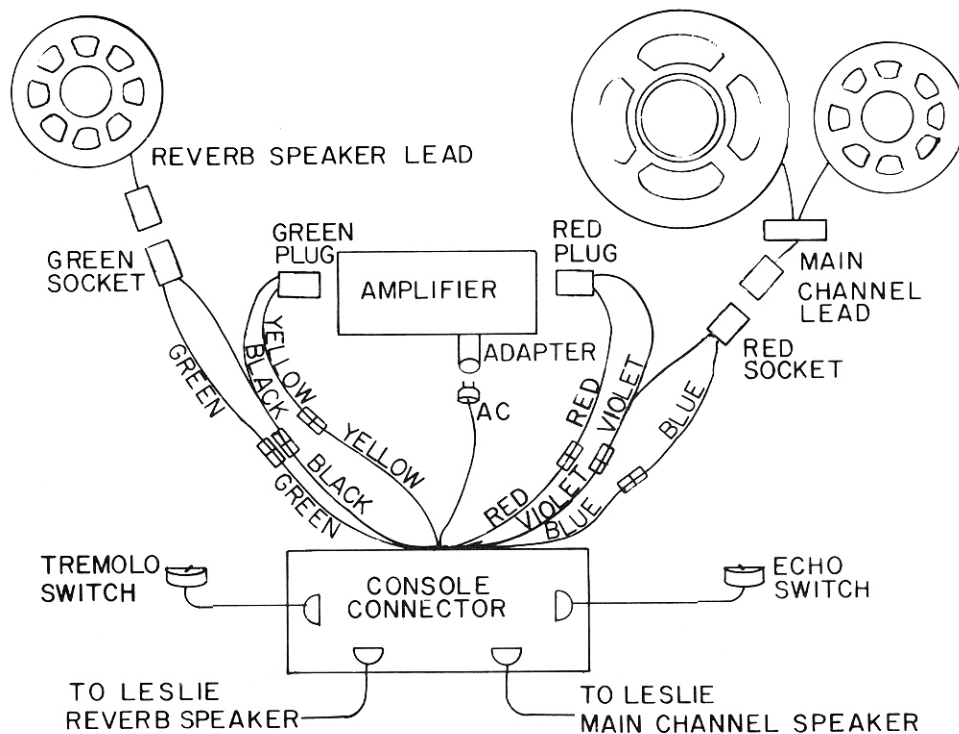
4. Loosely attach the 1/4-in. screw and washer from the hardware kit to the double tab connector.
5. Connect the spade lug from the yellow console connector lead to the 1/4-in. screw; tighten the screw.
6. Remove the green lead from center speaker. Attach the lead to one tab of the double tab connector.
7. Connect the blue wire from the console connector to the speaker contact from which the lead was just disconnected.
8. Remove the green lead from right-hand 12-in. speaker and slip a piece of plastic sleeving over it. Connect this lead to the vacant tab of the double tab connector.
9. Connect the green wire from the console connector to the speaker contact from which the lead was just disconnected.
10. Connect the black wire from the console connector to the vacant ground terminal on one of the 12-in. speakers.
11. Connect the violet wire from the console connector to the vacant ground terminal on the reverb speaker. (Black lead terminal.)
12. Remove the reverb speaker's green lead and slip on a piece of plastic sleeving. Then connect this lead to the lead on the red console connector wire. Slip the sleeving over the connection.
13. Connect the blue wire from the console connector to the reverb speaker signal terminal formerly occupied by the green lead.
14. Cut the plug from the blue and the gray wires. Remove the cover at the extreme left-hand side of the main amplifier. Strip the blue and gray leads; solder these leads to the AC terminals on the main amplifier. Replace the protective cover.
15. Plug one of the speaker cables into the console connector socket marked MAIN. Attach the other end of the speaker cable to the LESLIE speaker being used for the main channel.*
16. Plug the other speaker cable into the console connector socket marked REVERB. Connect the other end of the speaker cable to the LESLIE speaker being used for the reverb channel.*
17. If necessary, adjust the speaker volume controls. *If you are using 145, 147 or 247 speakers, set the console load resistor switch to the 8-ohm position.

Ordering Parts

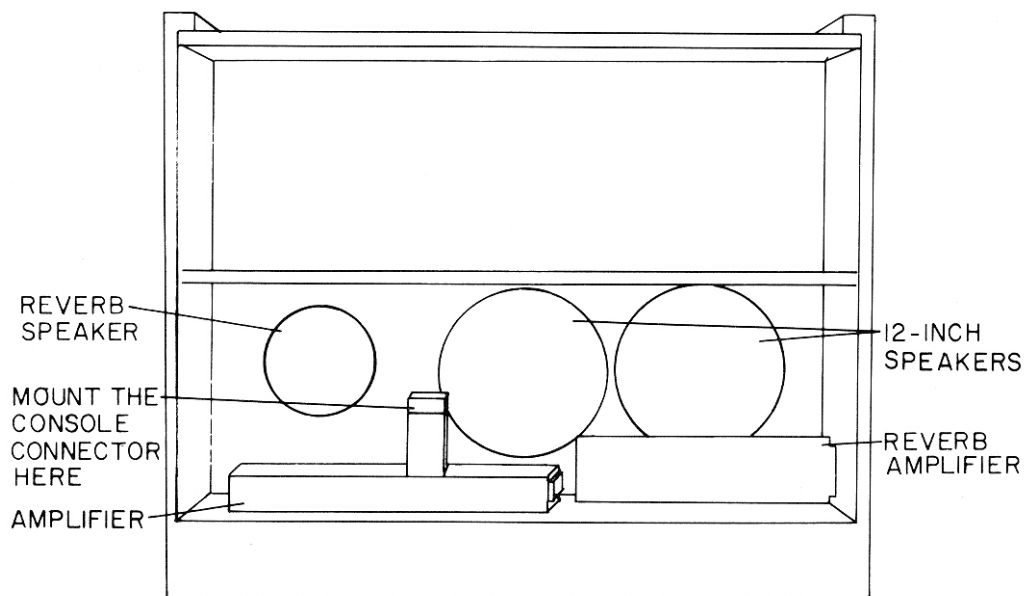
Standard hardware, connectors, and electronic components should be purchased locally. Non-standard items may be obtained through a LESLIE speaker dealer. Orders should include part numbers as listed.



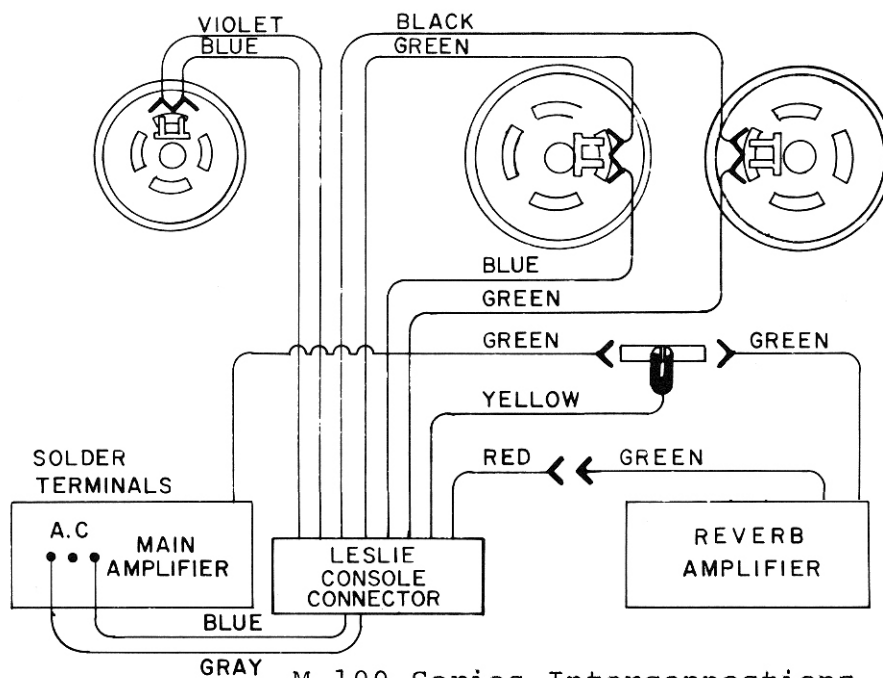
Hammond E-100 Series Installation



E-100 Series Interconnections



Hammond M-100 Series Installation



M-100 Series Interconnections

PARTS LIST: 060285 CONSOLE CONNECTOR ASSEMBLY

Cable & Plug Assembly	039883
Plug, 5-pin (P5)	013060
Socket, 2-contact (S3)	029298
Socket, 6-contact (S2, S4)	030775
Socket, 7-contact (S1)	029306
Fuse Holder	055178
Fuse, 5-amp	029280
Capacitor, .01 mfd, 1000V	060467
Tab, female (4)	029389
Tab, male (2)	029371
Grommet	048124
Screw, sheet metal, 12 x 3/8, Phillips head	029314

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

PARTS LIST: ECHO CONTROL

Switch Case

brown	103750
ebony	103760
ivory	103770

Case Cover

brown	048702
ebony	048710
ivory	048728

Switch Knob

brown	048066
ebony	048074

Switch, Cable & Plug Assembly

029249

Switch Retainer (2)

048116

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

029140

Label, MAIN/ENSEMBLE/ECHO

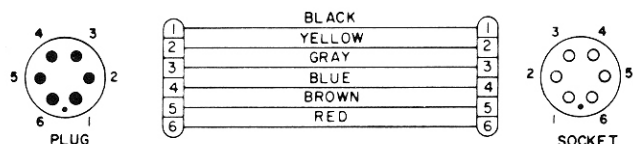
103670

Cork, adhesive

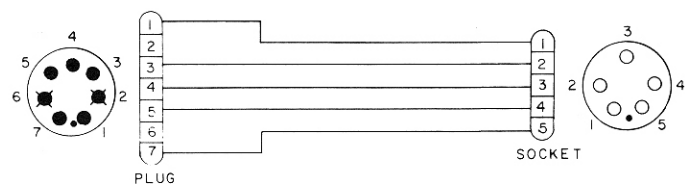
029157

MULTIPLE SPEAKER INSTALLATION

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



Schematic, 017277 Speaker Cable
(Plug and socket shown from wire end)



Schematic, 062091 Adapter
(Plug and socket shown from wire end)

Plug, 6-pin (without plate)	061721
Socket, 6-pin (without plate)	029546
Cap Body	022046
Clamp, cut	022079
Screw, machine, 6-32 x 3/8	027979
Interceptor, sleeve	029272
Plug, 7-pin	024752
Socket, 5-contact	029264

