



CONSOLE CONNECTOR KIT 7830

INSTALLATION INSTRUCTIONS

FOR USE WITH: LESLIE Speaker Models 130, 330
Various single and double channel organs

KIT CONTENT

Console Connector	137283	Switch Assembly,	
Cable Assembly,		ECHO/TREMOLO, black	137342
11-conductor, 30-foot	137357	Oiler	053025
Hardware Package			137356
Screw, machine, 10-32 x 1-1/4,		Screw, sheet metal, 8 x 1-1/4,	
Phillips head (4)	137418	Phillips head (4)	137417
Screw, sheet metal, 8 x 1/2,		Washer, flat,	
Phillips head (6)	029132	8 x 1/2 x 3/64 (10)	015578
Screw, sheet metal, 8 x 3/4,		Washer, lock	
Phillips head (4)	106070	8 x 5/16 x .020 (2)	026765
Screw, sheet metal, 8 x 1,		Nut, wire (5)	028076
Phillips head (4)	020735	Clamp, cable	011676

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 service personnel authorized by the dealer or factory to perform such work.

INSTALLATION

CAUTION: DISCONNECT ORGAN POWER BEFORE PROCEEDING!

CONTROL MOUNTING (Figures 1, 2)

1. Select a location under the keyboard shelf where the control is to be mounted.
2. The plug on the control cable must pass into the interior of the organ. If no hole is available, use a hole saw to make a 1-inch-diameter hole.

CAUTION

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

3. Indicate the control location on the under side of the shelf. Cut out the paper pattern (figure 2) provided in this instruction sheet.

4. Measure the width of the key strip at the place chosen for control mounting. Fold the pattern along the line corresponding to this width. If the keybed is flat (no separate key strip) do not fold the pattern at all.
5. Lay the pattern in position behind the key strip and use a sharp instrument or pencil to scribe the location of the four mounting screws. Start the holes for the screws.

NOTE

Merely break the surface of the wood, as the screws will engage only by a few threads.

6. Put the four leveling screws (flat-headed machine screws) into the holes indicated in figure 2, WITH THE HEADS UPWARD. Place 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. See figure 1.

NOTE

Be sure the control switch handles do not protrude too much.

7. Select one set of four mounting screws which are sufficiently long to fasten the control to the organ.
8. Fasten the mounting screws into the keyboard shelf in the locations previously marked.
9. Route the control cable through the hole prepared for it and through the organ into the area near the back panel.

CONSOLE CONNECTOR

1. If the kit is being used with a LESLIE speaker that does not contain an amplifier, lift the brown wire from contact E on strip 2 (see figure 5) and connect it to contact A of the same strip.
2. Choose a location for the console connector in the area of the back panel, or other suitable place where the chassis can be firmly fastened.
3. Connect the black wire to ground.
4. If the organ has two channels, connect the orange and brown wire to one channel, and the yellow and red wires to the

ONE-CHANNEL ORGANS WITH BUILT-IN SPEAKER. (figure 3)

1. Connect the BLACK wire of the console connector to any ground point on the organ console amplifier or to the organ speaker ground terminal.
2. Remove the signal wire from the speaker in the organ; attach it to the BROWN wire of the console connector.
3. Attach the ORANGE wire to the speaker terminal just vacated. (If the wires in the organ are cut, connect the side that is still attached to the amplifier to the BROWN wire of the console connector. Connect the wire which is attached to the speaker to the ORANGE wire.)
4. Wrap the YELLOW and RED wires (of the console connector) with tape, insulating them from contact with each other, and fasten them securely to the organ floor or side where they cannot touch any other component.

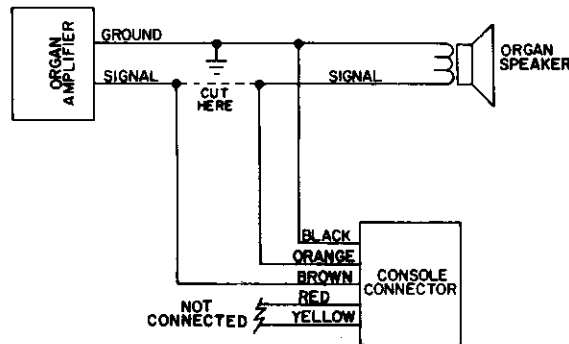


Figure 3. Interconnections, One-channel Organ

ONE-CHANNEL ORGANS WHICH CONTAIN A DIVIDING NETWORK (CROSSOVER) WHICH ROUTES SIGNALS TO TWO OR MORE BUILT-IN SPEAKERS. (figure 4)

1. Connect the BLACK wire of the console connector to any ground point on the organ console amplifier or to the organ speaker ground terminal.
2. Cut the signal lead between the organ amplifier and the crossover network. Connect the BROWN wire of the console connector to the amplifier side of the lead just cut, using a wire nut.
3. Connect the ORANGE wire of the console connector to the crossover network side of the lead just cut, using a wire nut.
4. Wrap the YELLOW and RED wires (of the console connector) with tape, insulating them from contact with each other, and fasten them securely to the organ floor or side where they cannot touch any other component.

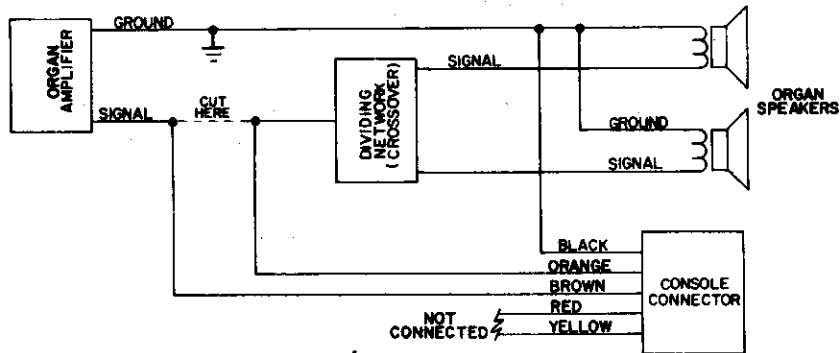


Figure 4. Interconnections, One-channel Organ With Dividing Network and Two Speakers

TWO-CHANNEL ORGAN WITH BUILT-IN SPEAKERS. (figure 5)

1. Connect the BLACK wire of the console connector to any ground point on the organ console amplifier or to the organ speaker ground terminal.
2. Remove the signal wire from the channel 1 speaker in the organ; attach it to the BROWN wire of the console connector.
3. Attach the ORANGE wire of the console connector to the speaker terminal which was just vacated.
4. Remove the signal wire from the channel 2 speaker in the organ; attach it to the RED wire of the console connector.
5. Attach the YELLOW wire of the console connector to the speaker terminal just vacated.

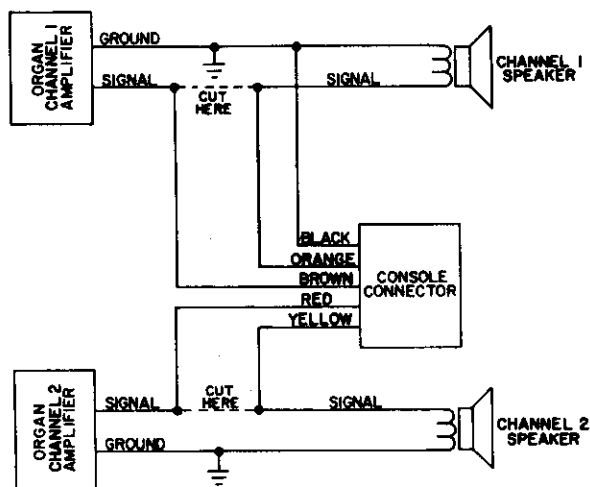


Figure 5. Interconnections, Two-channel Organ

WIRING CHART

S2, pin 1	brown	STRIP 2, point E*
S2, pin 5	green	S3, pin 5
S2, pin 6	blue	S3, pin 6
S2, pin 7	violet	S3, pin 7
S2, pin 8	gray	S3, pin 8
S2, pin 4, pins 2 & 3	yellow	STRIP 2, point B
S3, pin 1	brown	STRIP 2, point D
S3, pin 2	red	STRIP 1, point H
S3, pin 3	orange	STRIP 1, point G
S3, pin 4	yellow	STRIP 1, point J
S3, pin 9	white	STRIP 2, point A
S3, pin 10	black	STRIP 1, point K
STRIP 1, point G	orange	end free
STRIP 1, point H	red	end free
STRIP 1, point J	yellow	end free
STRIP 2, point B	black	end free
STRIP 2, point D	brown	end free
STRIP 2, point E	bare	STRIP 1, point F
STRIP 2, point A	R2**	STRIP 2, point E
STRIP 1, point F	R3**	STRIP 1, point K
STRIP 2, point B	R4**	STRIP 2, point E

*For use with LESLIE speakers which do not have an amplifier, connect this brown wire to STRIP 2, point A

**Mount resistors in center contacts of terminal strips.

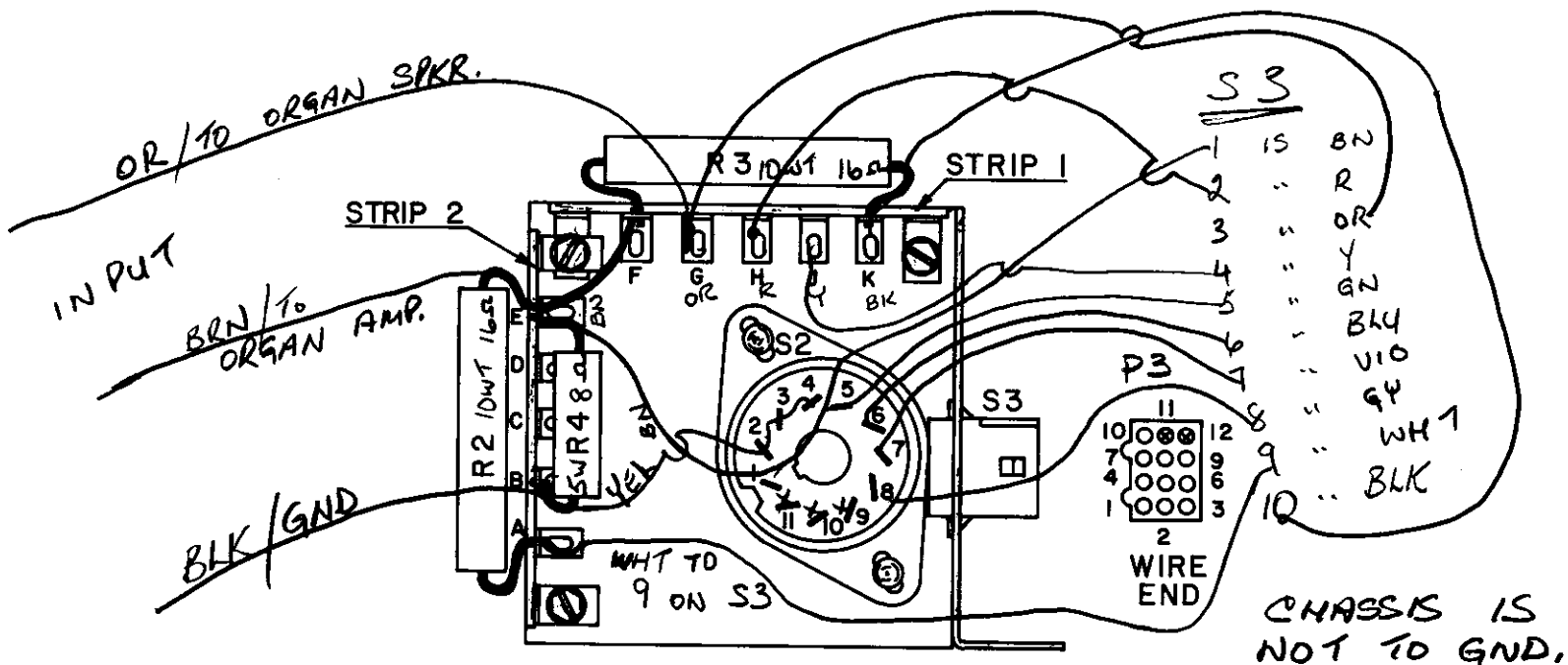


Figure 5. Console Connector Wiring Locations

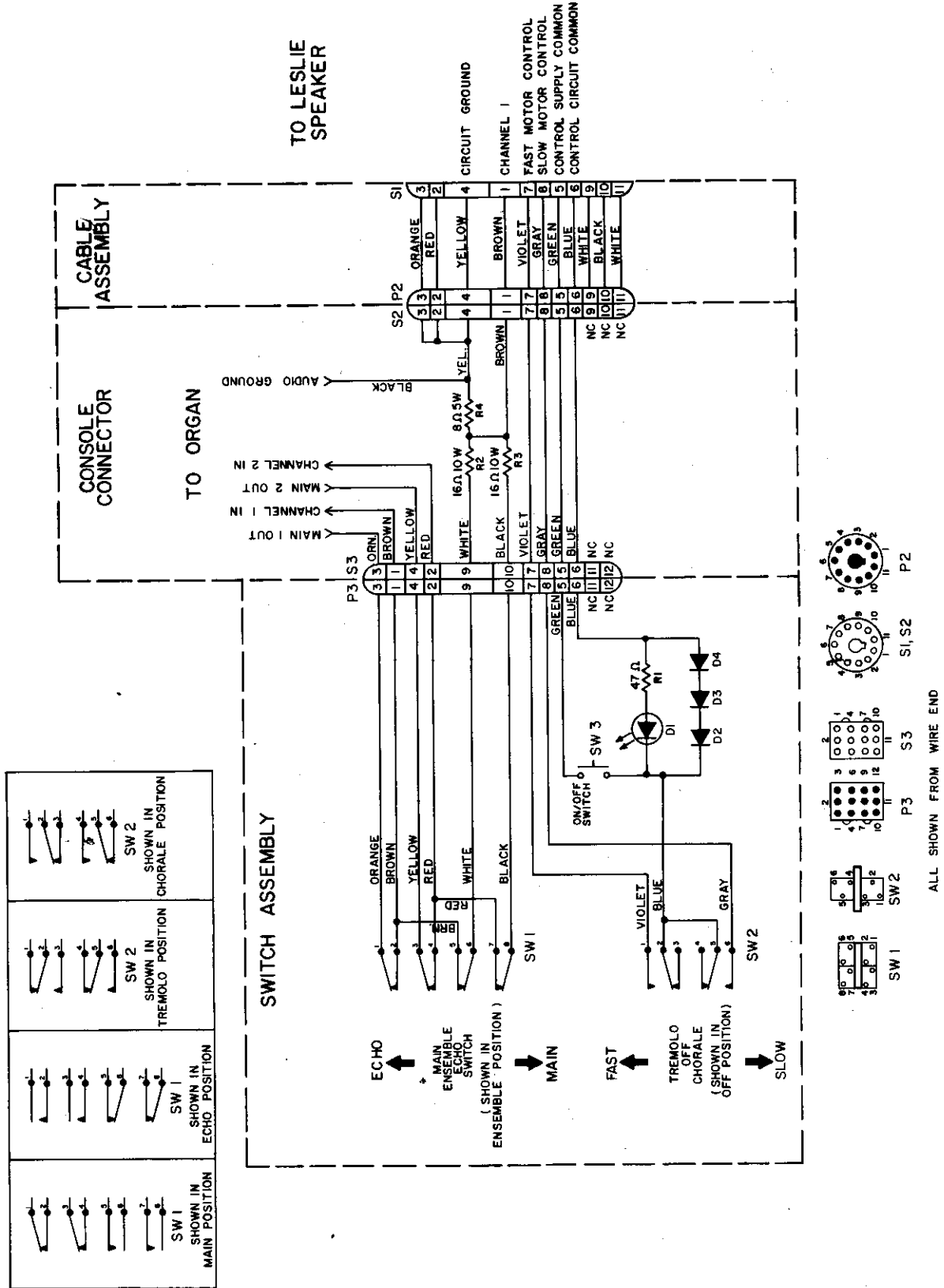


Figure 6. Schematic, Console Connector with Switch Assembly and Cable Assembly