

## CONSOLE CONNECTOR KIT 7660 INSTALLATION INSTRUCTIONS

FOR USE WITH: CONN Organ Models 541, 542, 543, 550, 551, 626, 627, 628, 630 (Type 2 only), 631, 632, 633, 640, 641, 642, 645, 650  
LESLIE Speaker Models 700, 710

(When this kit is installed the organ tabs control the LESLIE speaker functions. If the organ does not provide for main-echo switching, that function will not be available. Models 541 and 626 do not have inbuilt circuitry for chorale speed; therefore installation of this kit provides only tremolo.)

### KIT CONTENT

|                                      |        |
|--------------------------------------|--------|
| Console Connector Assembly           | 063792 |
| Cable Assembly, 9-conductor, 30-foot | 021600 |
| Hardware Package                     | 063974 |
| Screw, sheet metal, 8 x 12 (2)       | 029132 |
| Staple, insulated (4)                | 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 back panel from the organ. Mount the console connector inside the organ with the two screws provided.
2. Detach the socket from the 5-pin plug located on the tremolo unit.
3. Connect the socket end of the console connector interceptor to the 5-pin tremolo unit plug.
4. Connect the socket detached in step 2 to the plug end of the console connector interceptor.
5. Insert the 6-pin plug from the console connector into the external speaker socket. This socket will be marked either ELECTRO MUSIC 251 TONE CABINET or ELECTRO MUSIC 351 TONE CABINET.
6. Connect the 9-conductor cable between the LESLIE speaker and the LESLIE SPEAKER socket on the console connector.
7. Adjust the volume of LESLIE Speaker Model 700 as described in its service manual. 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: 063792 CONSOLE CONNECTOR ASSEMBLY

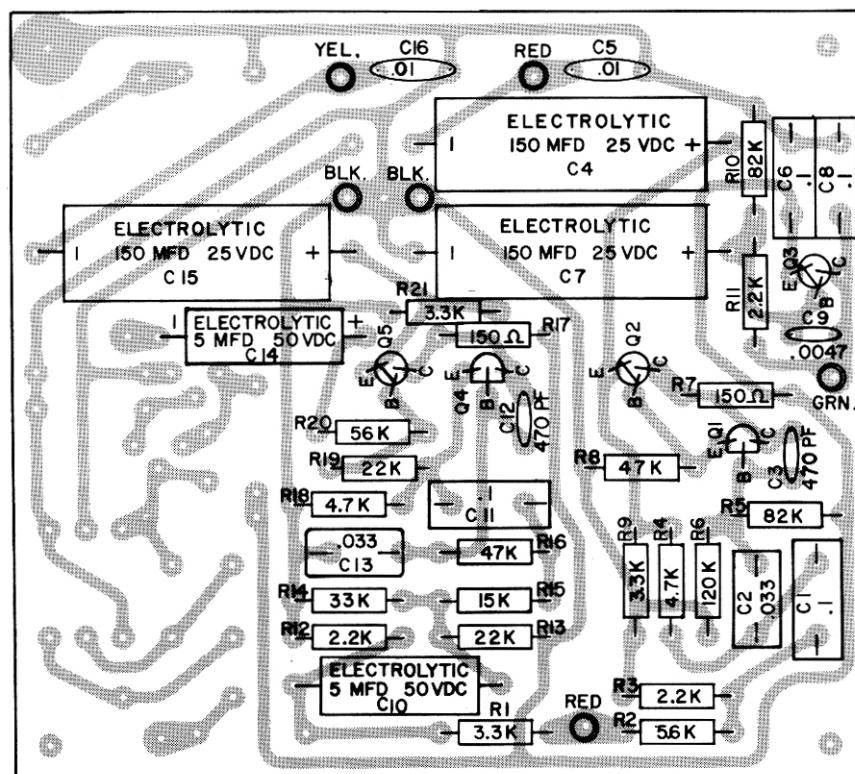
|                                                   |        |
|---------------------------------------------------|--------|
| Circuit Board Assembly                            | 063834 |
| Circuit Board Assembly                            | 063818 |
| Can Assembly Lamp Housing                         | 063826 |
| Interceptor Assembly, 5-circuit (includes P2, S3) | 063727 |
| Cable & Plug Assembly (includes P1)               | 063768 |
| Socket with Plate, 9-contact (S4)                 | 061713 |
| Bushing, strain relief                            | 034769 |
| Bushing, .196 x .312 x .625                       | 055079 |

### PARTS LIST: 063727 INTERCEPTOR ASSEMBLY

|                        |        |
|------------------------|--------|
| Plug, 5-pin (P2)       | 013060 |
| Socket, 5-contact (S3) | 029264 |
| Sleeve, Interceptor    | 029595 |
| Grommet                | 028811 |

### PARTS LIST: 063768 CABLE & PLUG ASSEMBLY

|                               |        |
|-------------------------------|--------|
| Plug, 6-pin (P1)              | 061721 |
| Cap with Grommet, 1-5/32 dia. | 013136 |

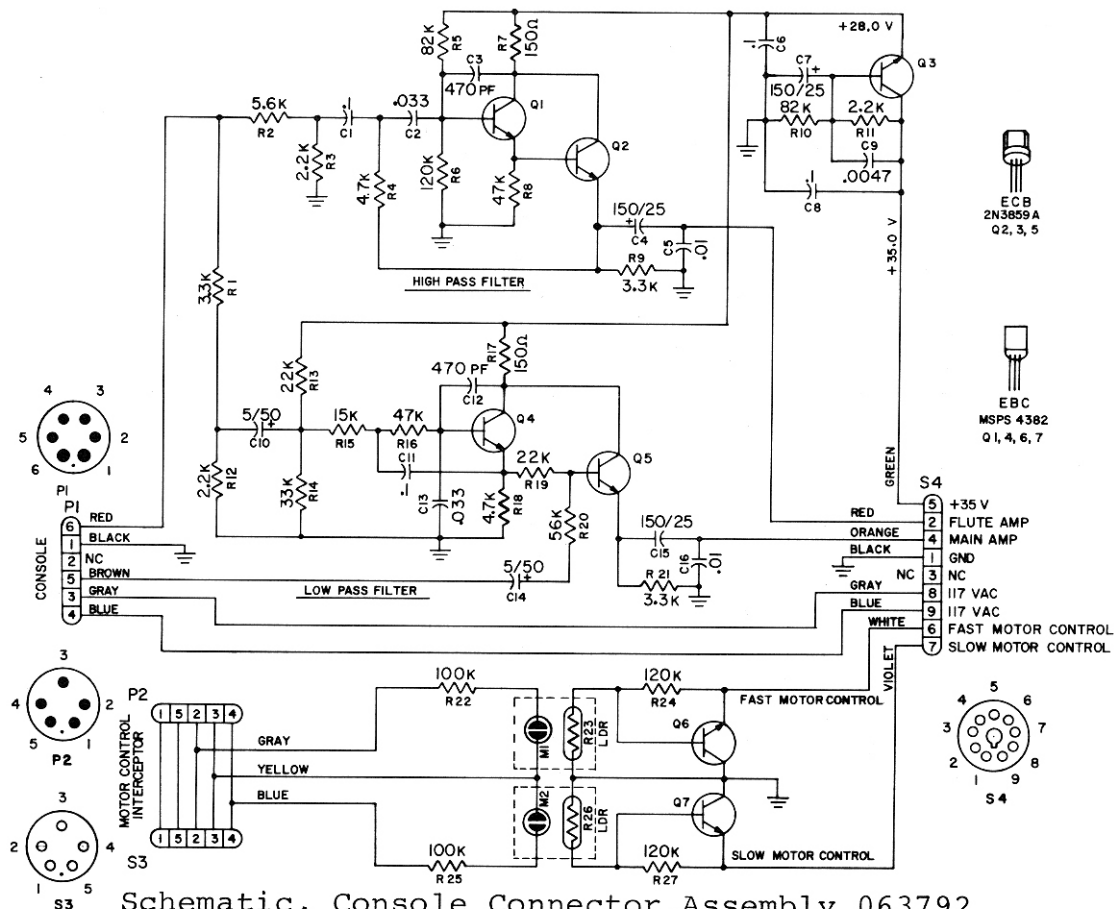


Circuit Board Assembly 063834

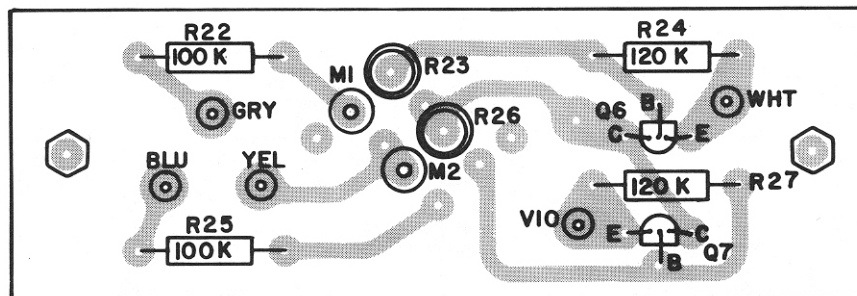
## PARTS LIST: 063834 CIRCUIT BOARD ASSEMBLY

| Ref Desig | Description                                       | Part No. |
|-----------|---------------------------------------------------|----------|
| C1        | Capacitor, poly, 0.1 mfd, 200V, 20%               | 022251   |
| C2        | Capacitor, mylar, .033 mfd, 100V, 10%             | 028654   |
| C3        | Capacitor, disc, 470 pf, 1000V, 20%               | 028662   |
| C4        | Capacitor, electrolytic, 150 mfd, 25V, -10% +100% | 031294   |
| C5        | Capacitor, disc, .01 mfd, 1000V, 20%              | 060467   |
| C6        | Capacitor, poly, 0.1 mfd, 200V, 20%               | 022251   |
| C7        | Capacitor, electrolytic, 150 mfd, 25V, -10% +100% | 031294   |
| C8        | Capacitor, poly, 0.1 mfd, 200V, 20%               | 022251   |
| C9        | Capacitor, disc, .0047 mfd, 100V, 10%             | 028431   |
| C10       | Capacitor, electrolytic, 5 mfd, 50V, -10% +100%   | 028589   |
| C11       | Capacitor, poly, 0.1 mfd, 200V, 20%               | 022251   |
| C12       | Capacitor, disc, 470 pf, 1000V, 20%               | 028662   |
| C13       | Capacitor, mylar, .033 mfd, 100V, 10%             | 028654   |
| C14       | Capacitor, electrolytic, 5 mfd, 50V, -10% +100%   | 028589   |
| C15       | Capacitor, electrolytic, 150 mfd, 25V, -10% +100% | 031294   |
| C16       | Capacitor, disc, .01 mfd, 1000V, 20%              | 060467   |
| Q1        | Transistor*                                       | 026237   |
| Q2, Q3    | Transistor, 2N3859A                               | 061366   |
| Q4        | Transistor*                                       | 026237   |
| Q5        | Transistor, 2N3859A                               | 061366   |
| R1        | Resistor, 3.3K, 1/2W, 10%                         | 024141   |
| R2        | Resistor, 5.6K, 1/2W, 10%                         | 024844   |
| R3        | Resistor, 2.2K, 1/2W, 10%                         | 028571   |
| R4        | Resistor, 4.7K, 1/2W, 10%                         | 028555   |
| R5        | Resistor, 82K, 1/2W, 10%                          | 027102   |
| R6        | Resistor, 120K, 1/2W, 10%                         | 027078   |
| R7        | Resistor, 150-ohm, 1/2W, 10%                      | 024158   |
| R8        | Resistor, 47K, 1/2W, 10%                          | 028506   |
| R9        | Resistor, 3.3K, 1/2W, 10%                         | 024141   |
| R10       | Resistor, 82K, 1/2W, 10%                          | 027102   |
| R11       | Resistor, 2.2K, 1/2W, 10%                         | 028571   |
| R12       | Resistor, 2.2K, 1/2W, 10%                         | 028571   |
| R13       | Resistor, 22K, 1/2W, 10%                          | 028530   |
| R14       | Resistor, 33K, 1/2W, 10%                          | 028522   |
| R15       | Resistor, 15K, 1/2W, 10%                          | 048157   |
| R16       | Resistor, 47K, 1/2W, 10%                          | 028506   |
| R17       | Resistor, 150-ohm, 1/2W, 10%                      | 024158   |
| R18       | Resistor, 4.7K, 1/2W, 10%                         | 028555   |
| R19       | Resistor, 22K, 1/2W, 10%                          | 028530   |
| R20       | Resistor, 56K, 1/2W, 10%                          | 024133   |
| R21       | Resistor, 3.3K, 1/2W, 10%                         | 024141   |
|           | Etched Circuit Board                              | 059759   |

\*Due to critical operating qualities, this transistor is to be supplied only by the factory.



Schematic, Console Connector Assembly 063792  
(Plugs and Sockets Shown from Wire End)



Circuit Board Assembly 063818

| Ref Desig | Description                 | Part No. |
|-----------|-----------------------------|----------|
| M1, M2    | Lamp, miniature, Neon #Ne 2 | 063958   |
| Q6, Q7    | Transistor*                 | 026237   |
| R22       | Resistor, 100K, 1/2W, 10%   | 028498   |
| R23       | Resistor, LDR, VT-904       | 117980   |
| R24       | Resistor, 120K, 1/2W, 10%   | 027078   |
| R25       | Resistor, 100K, 1/2W, 10%   | 028498   |
| R26       | Resistor, LDR, VT-904       | 117980   |
|           | Etched Circuit Board        | 059303   |

\*Due to critical operating qualities, this transistor is to be supplied only by the factory.