INSTALLATION INSTRUCTIONS FOR:

1. Model215A Rotosonic Speaker System

A. In organs with built in Leslie Speaker System

B. In organs with stationary speaker system

2. Leslie4 OHM Crossover Network (503-141726)

NOTE: THE LESLIE MODEL 215A SPEAKER IS FOR USE WITH SINGLE CHANNEL ORGANS WITH (OR WITHOUT) A BUILT-IN ROTOR AND SOME TWO CHANNEL ORGANS WITH SEPARATE FLUTE/TIBIA SPEAKERS.

Enclosed with the installation instructions are 3 Scotchlok Connectors for making the hookup. 1 screw, 1 washer, & 1 cable clamp for securing the cables, & 21009 screws for mounting the control center, if desired (optional), under the keyboard shelf.

1A. INSTALLATION INSTRUCTIONS FOR CONNECTING THE MODEL 215A TO ORGANS WITH BUILT-IN ROTARYSPEAKER.

CAUTION: DISCONNECT THE ORGAN POWER BEFORE PROCEEDING!

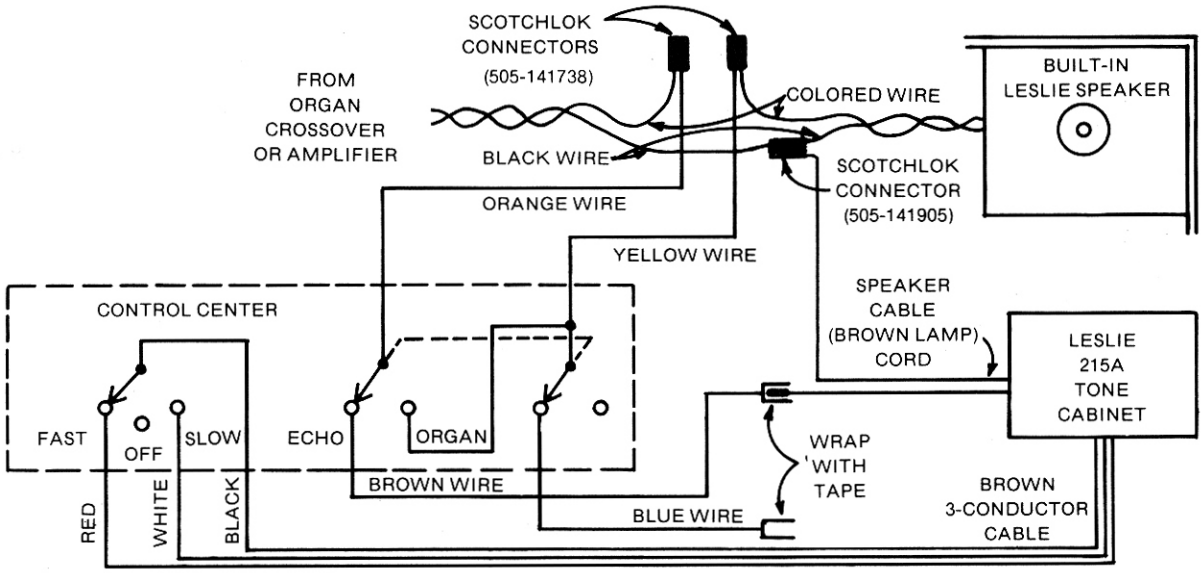


Fig. 1 Connection diagram using built-in Leslie speaker

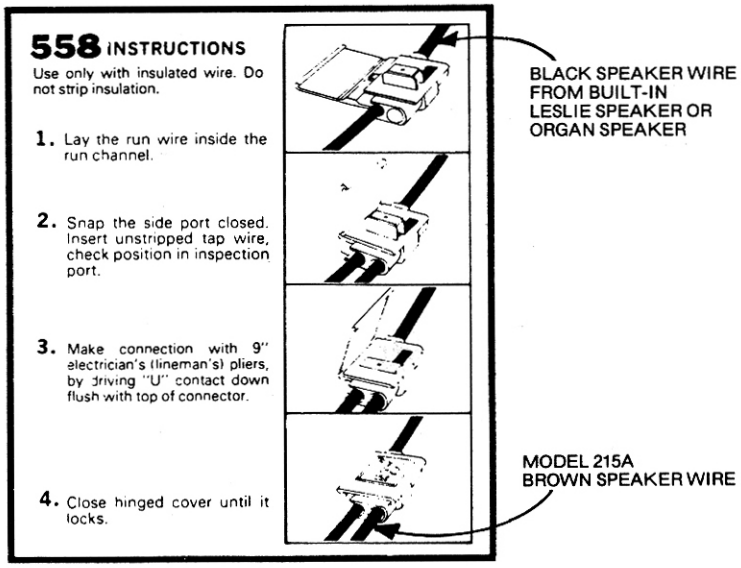


Fig. 2 How to use scotchlok connectors

1. Remove the back of the.organ. Run the speaker cord from the 215A cabinet and the 4 conductor cable from the Control Center through the power cord slot, hand hold, or any other opening on the organ back that is conveniently located near the
Speaker.

2. Locate the thin, twisted black and colored signal wires (usually red or orange) coming from the built-In Leslie Speaker (Fig. 1).

3. Using the feed-through 558 Scotchlok connector (505-141905), lay the BLACK Leslie speaker wire in the feed-through slot. Snap the side port closed to hold this wire In place. Locate the Brown speaker cable (lamp cord) from the 215A cabinet, remove the FEMALE connector, and place this wire in the short slot. Complete the splice by crimping the U-contact down on the wires with pliers and close the hinged cover. See figure 2.

4. Cut the COLORED Leslie speaker wire. Locate the YELLOW wire in the 4-conductor cable from the Control Center and remove the FEMALE connector. Using a 557 Scotchlok connector (505-141738), splice this yellow wire to the colored Leslie speaker wire GOING TO the Leslie speaker. See figure 2.

5. Locate the ORANGE wire in the 4-conductor cable from the Control Center and remove the MALE connector. Using a 557 Scotchlok connector (505-141738), splice this orange wire to the severed colored Leslie wire COMING FROM the organ crossover or amplifier.

6. Connect the BROWN wire in the 4-conductor cable from the Control Center to the remaining 215A speaker cable wire. CAUTION: WRAP WITH INSULATING TAPE TO PREVENT SHORTING.

7. The BLUE wire in the 4-conductor cable from the Control Center is not used. CAUTION: WRAP WITH INSULATING TAPE TO PREVENT SHORTING.

8. Loop the Model 215A speaker wire and Control Center cable through the cable clamp (Fig. 6) and fasten where it will(exit from inside the organ console.

9. Check wiring, then replace the back of the organ making sure the cable is routed properly through the back.

10. Connect the organ power cord and cabinet AC cord to the wall outlet.

lB. INSTALLATION INSTRUCTIONS FOR CONNECTING THE MODEL 215A TO ORGANS WITH STATIONARY SPEAKERS. CAUTION: DISCONNECT THE ORGAN POWER BEFORE PROCEEDING!

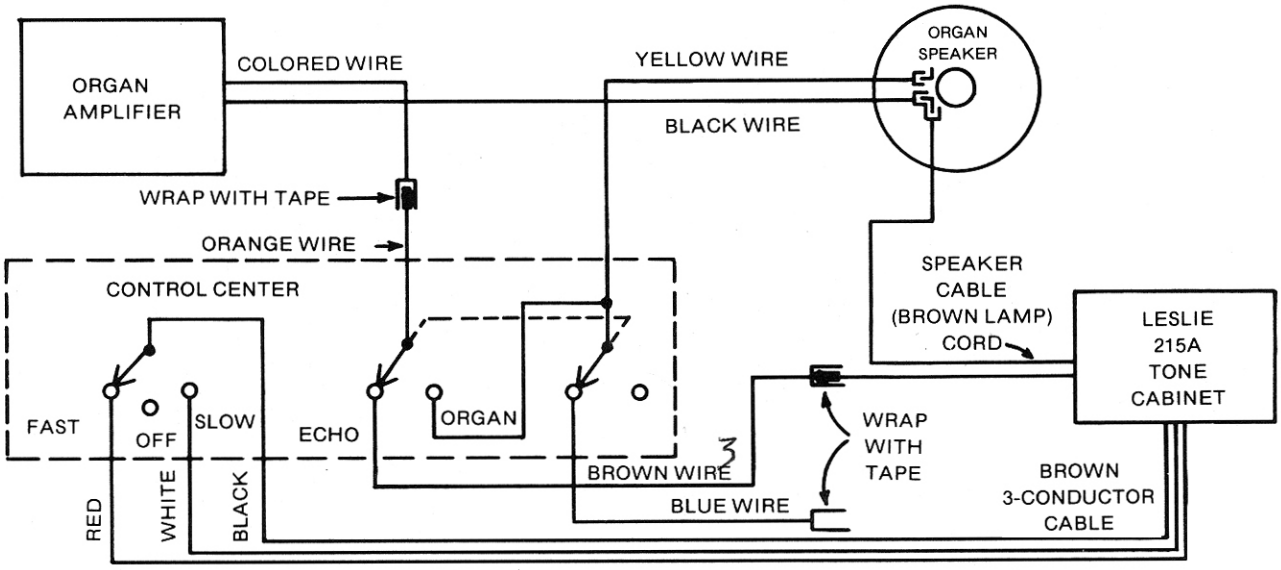


Fig.3 Connection diagram using stationary organ speaker

1. Remove the back of the organ. Run the speaker cord from the 215A cabinet and the 4 conductor cable from the Control Center through the power cord slot, hand hold, or any other opening on the organ back that is conveniently located near the speaker.

2. Disconnect signal (colored) wire from organ speaker and connect to the ORANGE wire from the Control Center. (CAUTION: To avoid shorting, wrap with Insulating tape.)

3. Connect the YELLOW wire from the Control Center to the organ speaker signal terminal, (terminal from which colored wire was removed).

4. Connect the BROWN wire from the Control Center to the (male) connector tab from the Model 215A speaker wire. [CAUTION: To avoid shorting, wrap with Insulating tepe.)

5. Connect the female connector tab from the Model 215A speaker wire to the ground (black wire) terminal on the organ speaker. NOTE: The BLUE wire from the Control Center is not used and should be wrapped with insulating tape to avoid shorting.

6. Loop the Model 215A speaker wire and Control Center cable through the cable clamp (Fig. 6) and fasten where it will exit from inside the organ console. NOTE: If the oragan speaker wires are soldered, cut the wires and tabs and make connections using the Scotchlok Connectors (Figure 2) provided.

7. Check wiring, and replace the back of the organ making sure the cable is routed properly through the back.

8. Connect AC cord to the wall outlet.

2. INSTALLATION INSTRUCTIONS FOR CONNECTING THE MODEL 215A WITH THE OPTIONAL 4-0HM CROSSOVER NETWORK (503-141726)

Crossover Network Assembly 503-141721
Two (2) 18-inch Wire Leads: Red, signal 511-141830 Black, ground 511-141828
Screw, SMA, 8x1 (2) 589-020735

CAUTION: DISCONNECT THE ORGAN POWER BEFORE PROCEEDING!

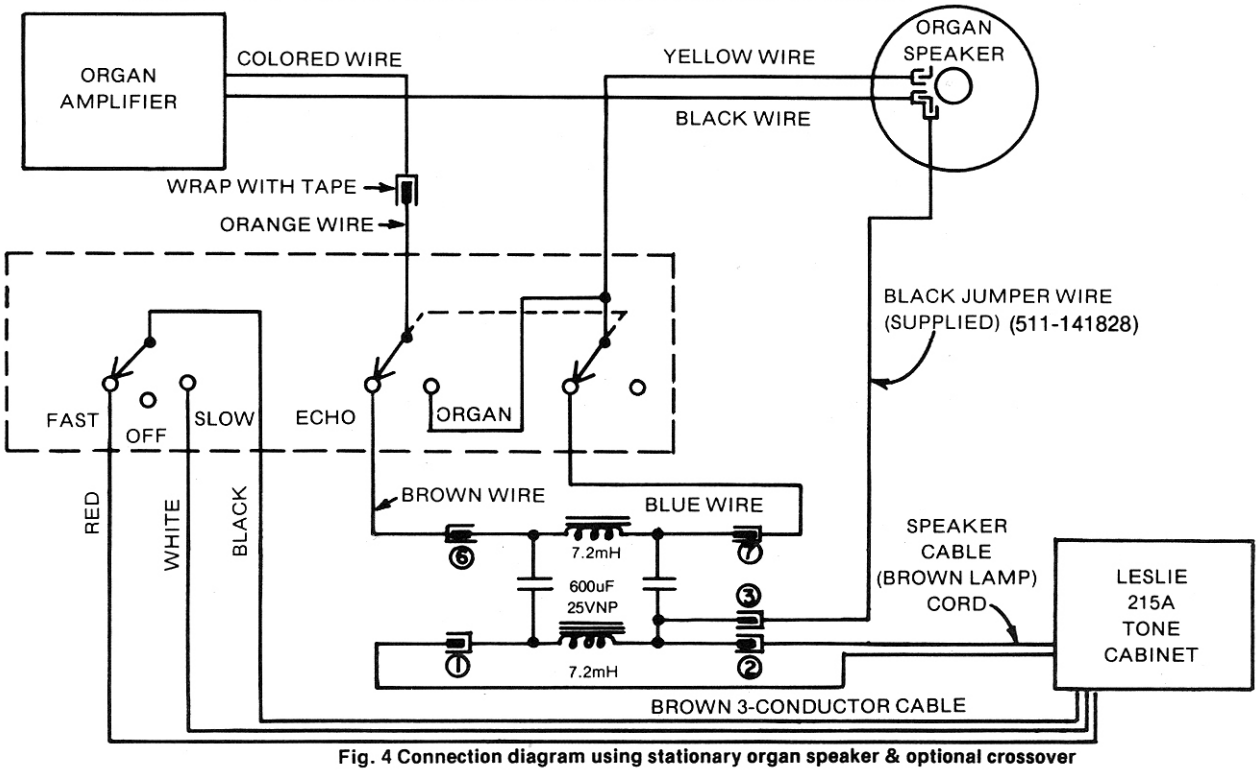


Fig. 4 Connection diagram using stationary organ speaker & optional crossover

INSTALLATION

1. Remove the back of the organ. Run the speaker cord from the 215A cabinet and the 4 conductor cable from the Control Center through the power cord slot, hand hold, or any other opening on the organ back that is conveniently located near the speaker.

2. Mount the Crossover Network inside the organ within reach of the organ speaker. Use the sheet metal screws provided.

3. Disconnect the signal (colored) wire from the organ speaker and connect to the ORANGE wire of the Control Center. [CAUTION: To avoid shorting, wrap with Insulating tape.]

4. Connect the YELLOW wire from the Control Center to the organ speaker signal terminal (terminal from which colored wire was removed).

5. Connect the BLUE wire from the Control Center to Terminal #7 on the Crossover Network.

6. Connect the BROWN wire from the Control Center to Terminal #6 on the Crossover Network.

7. Connect the (male) connector tab from the Model 215A speaker wire to Terminal #1 and the (female) connector tab to Terminal #2 on the Crossover Network.

8. Connect the ground (black) Wire Lead to Terminal #3 on the Crossover Network and the ground terminal on the organ speaker. (The red wire lead is not used in this 215A installation.) NOTE: If the organ speaker wires are soldered, cut the wires and tabs and make connections using the Scotchlok Connectors (Figure 2) provided.

9. Make sure the Model 215A speaker wire and Control Center cable are routed through the organ back properly. Loop the speaker wire and cable through the cable clamp (Fig.6) and fasten where it will exit from inside the organ console.

10. Replace the back of the organ making sure the cable is routed properly through the back.

11. Connect the organ power cord and the cabinet AC cord to the wall outlet.

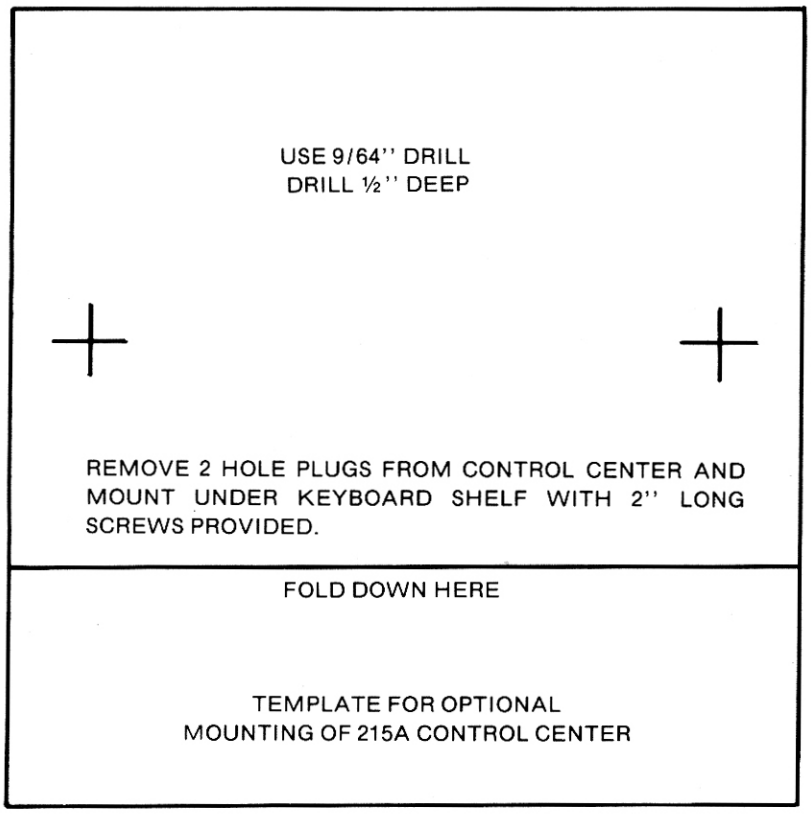
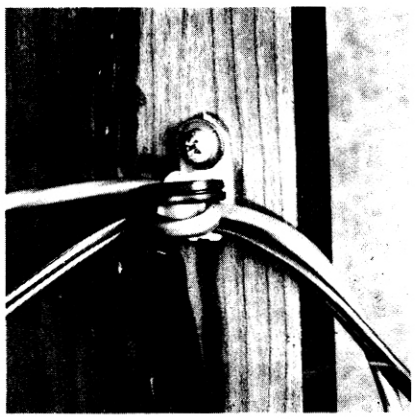


Fig. 5 Mounting Template



[Figure 6] Cable Clamp