

LESLIE 7414 CONSOLE CONNECTOR KIT INSTALLATION INSTRUCTIONS

For Use With: LOWREY Models: CH-32, HR-20, H1, H25, H-1R, TSO-25
LESLIE SPEAKERS 103, 147

MULTIPLE SPEAKER INSTALLATION: If more than two speakers are to be used in conjunction with this connector, see the service manual of the specific LESLIE Speaker to be added for complete information.

CONTENTS OF KIT:

1 Console Connector	060418	1 Multi-Rank Control	
1 9 Conductor Cable	021600	brown	010546
1 6 Conductor Cable	017277	ebony	010553
1 Instructions	037374	ivory	010561
10 Insulated Staples	028464		
1 Oiler	053025	1 Tremolo Control	
7 Screws, 6 x 3/4	032086	brown	029553
2 Screws, 8 x 1/2	029132	ebony	029561
		ivory	029579
		1 Main Ensemble Control	
		brown	010579
		ebony	010587
		ivory	010595

TO INSTALL THE KIT:

1. Mount the Main Ensemble, Tremolo, and Multi-Rank switches to the wooden rail in front of the lower manual using the wood screws provided.
2. Route the control cables under the lower manual, through the keyboard shelf, and into the amplifier section of the console. If no opening is provided, drill a 7/8" hole in the keyboard shelf just under the lower manual.
3. Mount the console connector chassis inside the console within reach of the adapter and control cables, using the wood screws provided.
4. Plug the Main Ensemble, Tremolo, and Multi-Rank control cables into the proper sockets on the connector chassis.
5. Remove the cable from the YELLOW 9-contact socket on the side of the console amplifier and plug it into the interceptor socket. (See "A" on Fig. 1). The 9-contact socket is located on top of a LOWREY tube amplifier chassis.
6. Insert the interceptor plug into the YELLOW 9-contact socket on the console amplifier. (See "B" on Fig. 1).

7. Insert the 6-pin adapter plug into the "EXT. SPEAKER" socket on the console amplifier. (See "C" on Fig. 1).

CAUTION: DO NOT insert adapter plug into socket marked "EXT. LESLIE". "EXT. SPEAKER" and "EXT. LESLIE" sockets are located in reverse of Fig. 1 on LOWREY solid state amplifiers.

8. Insulate the GREEN adapter wire with plastic tape. It is not used in this application.

9. Plug the Leslie 103 Speaker cable into the socket marked "103" on the connector chassis.

10. Plug the LESLIE 147 Speaker Cable into the "EXT. LESLIE" socket on the console amplifier.

CAUTION: Do NOT insert 147 Cable into socket marked "EXT. SPEAKER". Sockets are located reverse of Fig. 1 on LOWREY solid state amplifiers.

11. Set the load resistor switch in 147 speaker amplifier to "OPEN" as outlined in the Leslie 147 Speaker Service Manual.

12. Adjust the volume as outlined on the Speaker Back Card. The installation is now complete.

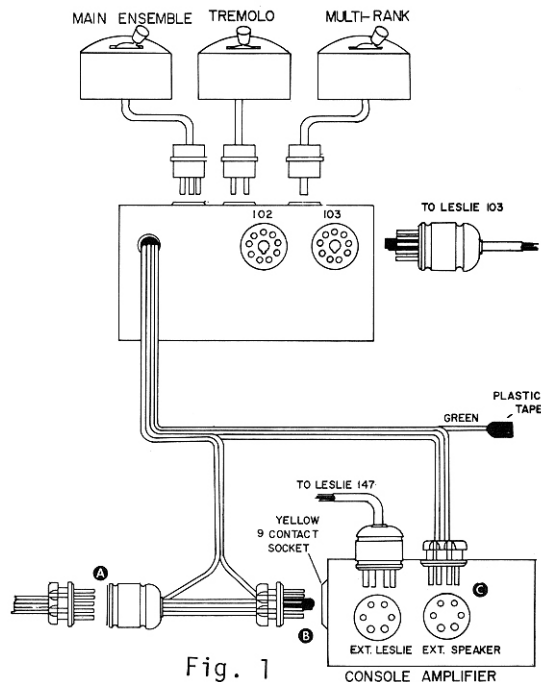


Fig. 1

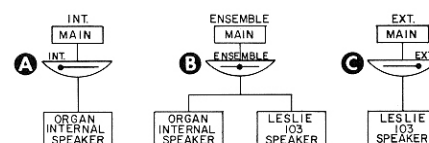


Fig. 2

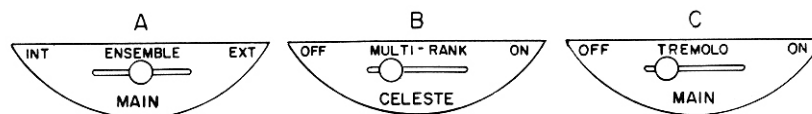


Fig. 3

CONSOLE CONNECTOR CONTROLS: MAIN ENSEMBLE CONTROL

The Main Ensemble Control pictured above enables the organist to channel signal from the Console Main into the internal organ speaker, external Leslie Speaker 103, or both as follows:

INT Position: Console Main signal to internal organ speaker only. (See Fig. 2A).

ENSEMBLE Position: Console Main signal to internal organ speaker and external Leslie Speaker 103. (See Fig. 2B).

EXT. Position: Console Main signal to External Leslie Speaker 103 only. (See Fig. 2C).

MULTI-RANK CONTROL: Controls Celeste to Leslie 103 Speaker.

OFF Position: No Celeste.

ON Position: Celeste switched "ON" to Leslie 103's rotating upper Rotosonic Drum.

TREMOLO CONTROL: Controls Tremolo to Leslie 103 Speaker.

OFF Position: No Tremolo. Sound to Leslie 103 stationary speakers.

ON Position: Sound to Leslie 103's lower Rotosonic Drum.

LESLIE 147 SPEAKER CONTROLS: The Leslie 147 Speaker is controlled by organ control tabs.

*NOTE: If motor control relay in the 147 Speaker fails to activate slow motor and/or buzzes, open console connector chassis and cut and insulate yellow wire from pin 2 of external speaker adapter plug (P1). Relay 1 is for 102 Speaker use, and unnecessary in this installation.

PARTS LIST CONSOLE CONNECTOR

Chassis	027136	S5	029298
Circuit Assy	037432	S6	021220
T1	022244	S7	029652
Rel 1	027649	D1, D2	021154
Grommet	013235	C1, C2	028324
Fuse holder	055178	R1	021592
Fuse	029280	R2	018051
P1	061721	R3	021261
P2	024653	R4	021253
S2	028837		
S2,Cap	013136		
S3, 54	061713		

PARTS LIST

MAIN ENSEMBLE CONTROL

Main Ensemble Switch Case	
brown	024406
ebony	012294
ivory	024356
Switch Case Cover	
brown	048702
ebony	048710
ivory	048728
Switch Knob	
brown	048066
ebony (2)	048074
Switch Retainer (2)	048116
Switch Only	029629
5-Pin Plug	010249

TREMOLO CONTROL

Tremolo Switch Case	
brown	017335
ebony	017343
ivory	017350
Switch Case Cover	
brown	048702
ebony	048710
ivory	048728
Switch Knob	
brown	048066
ebony (2)	048074
Switch Retainer (2)	048108
Switch Only	042911
3-Pin Plug	021584

MULTI-RANK CONTROL

Switch Case	
brown	024372
ebony	024398
ivory	024380
Switch Case Cover	
brown	048702
ebony	048710
ivory	048728
Switch Knob	
brown	048066
ebony (2)	048074
Switch Retainer (2)	048108
Switch Only	042911
2-Pin Plug	029165

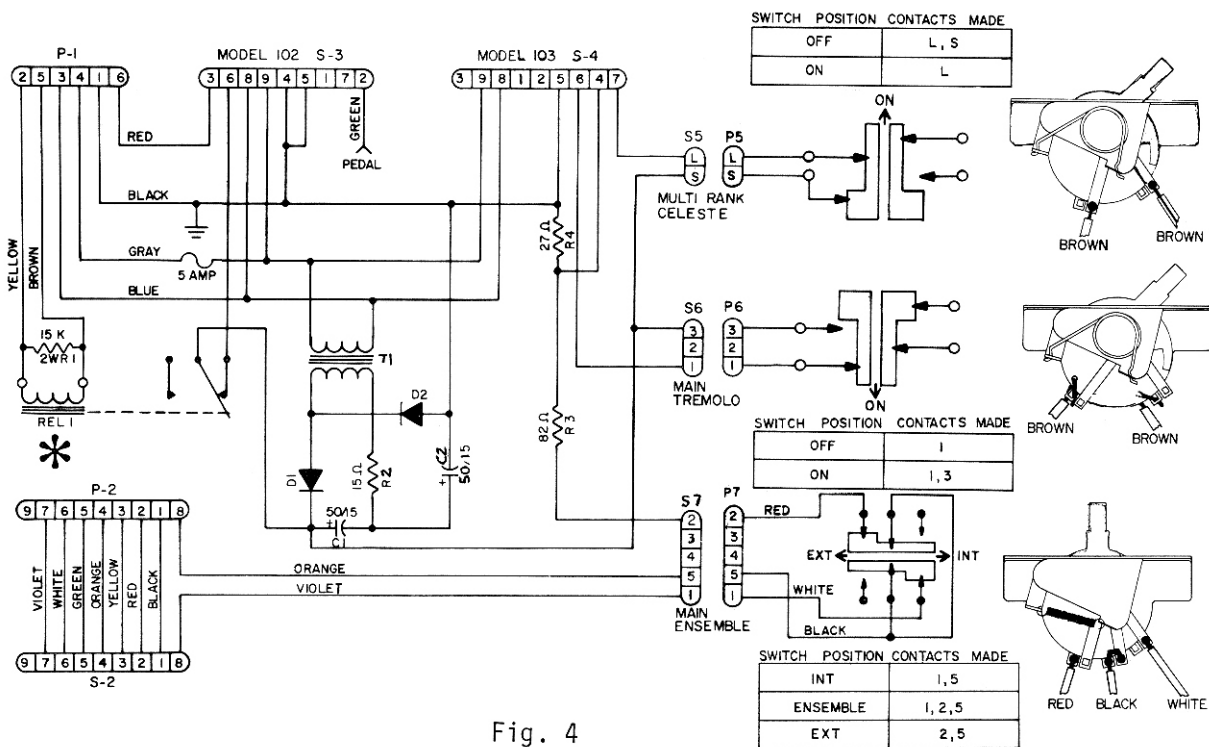


Fig. 4

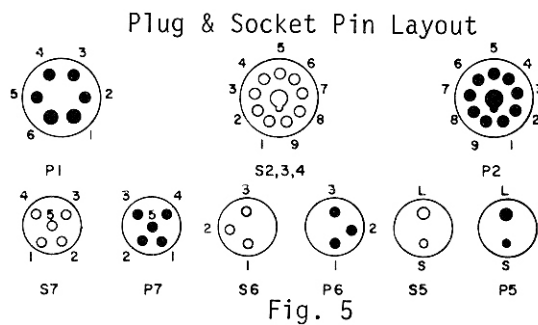


Fig. 5