

CONSOLE CONNECTOR KIT 7514 INSTALLATION INSTRUCTIONS
FOR USE WITH: LOWRY model GA25KH
LESLIE models 103, 147

This kit provides interconnections between LOWREY Organ Model GA25KH and LESLIE Speaker Model 103. Circuitry within the organ proper, supplemented by the cable supplied in this kit, also interconnects the organ with LESLIE Speaker Model 147. Model 147 uses the organ's tibia signal, while model 103 uses the organ's main signal.

Model 147 is controlled from tabs on the organ manual.
Model 103 is controlled through the switches furnished in the kit. (These switches are to be mounted on the organ.) The three switches provide the following operations:

NOTE: While the chassis of the console connector provides a socket labeled "102", this socket is not used in this application.

INT/ENS/EXT Switch (3 positions)

INT (internal): The organ's main signal is routed to the speaker within the organ console.

EXT (external): The organ's main signal is routed to LESLIE Speaker Model 103.

ENS (ensemble): The organ's main signal is routed to both the organ speaker and the LESLIE speaker.

MULTI-RANK Switch (2 positions: ON and OFF)

ON/TREM/OFF switch (2 positions: ON and OFF)

These two switches combine to operate the model 103 circuits in four different ways, as described below. For the sake of brevity, the MULTI-RANK switch is referred to as MULTI and the the ON/TREM/OFF Switch is referred to as TREMOLO.

MULTI OFF, TREMOLO OFF - Signal to stationary speakers only.

MULTI ON, TREMOLO OFF - Signal to stationary speakers. Signal to upper rotor speakers; rotor turning at slow speed.

MULTI OFF, TREMOLO ON - Signal to lower rotor speakers only; rotor turning at fast speed.

MULTI ON, TREMOLO ON - Signal to rotors only (not to stationary speakers). Both upper and lower rotor turning at fast speed.

KIT CONTENT

Console Connector Assembly	110530	Switch Assembly, multi-rank	
Cable Assembly, 30-ft,9-conductor	021600	brown	010546
Cable Assembly, 30-ft, 6-conductor	017277	ebony	010553
Oiler	053025	ivory	010561
Screw,sheet metal, #8 x 1/2, Phillips head(2)	029132	Switch Assembly ON/TREM/OFF	
Screw, wood, #6 x 3/4, Phillips head (7)	032086	brown	029553
Staple, insulated (10)	028464	ebony	029561
		ivory	029579
		Switch Assembly INT/ENS/EXT	

Installation		brown	010579
Instructions	110580	ebony	010587
		ivory	010595

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!

NOTE: The ON/TREM/OFF switch will be called the tremolo switch and the INT/ENS/EXT switch will be called the echo switch.

1. Mount the echo, tremolo, and multi-rank switches on the wooden rail in front of the lower manual, using the wood screws provided.
2. Open the back and the top of the organ.
3. Loosen the plate on the underneath left side of the keybed. (The plate will not come entirely free, as wires are connected to the components mounted on it.)
4. Insert the plug ends of the control cables through the opening and route them through the organ wiring to the back.
5. Mount the console connector chassis on the floor of the organ, near the amplifier/power supply chassis (left, as you see it).
6. Connect the control cables from the switches which are mounted on the organ to the sockets on the console connector. Each socket is identified.
7. Locate socket B on the top of the amplifier/power supply chassis (each socket is labeled). Remove the plug from this socket.
8. Insert plug P2 of the interceptor assembly into this socket. Connect the plug which was removed to the socket end of the interceptor assembly.
9. Connect plug PI (6 contacts) of the console connector to the socket labeled MAIN FOR LOWREY L0-1B, on the side of the amplifier/power supply chassis.
10. Insulate the end of the green wire from the console connector and fasten it out of the way.
11. Connect the 6-contact cable between Leslie Speaker Model 147 and the socket labeled LESLIE 45A or 47, on the amplifier/ power supply chassis.
12. Connect the 9-contact cable between the 103 socket on the console connector and Leslie Speaker Model 103.

13. On model 147 set the load resistor switch in the amplifier to OPEN; instructions are given in the service manual for the speaker.

14. Adjust the volume on the LESLIE speakers as described in their respective manuals.

15. Close the back and top of the organ. Fasten the plate under the keyboard. (Leave one side slightly loose, where wires go through.)

13. Adjust the volume on the LESLIE speakers as described in their respective manuals.

14. Close the back and top of the organ. Fasten the plate under the keyboard. (Leave one side slightly loose, where wires go through.)

INSTALLATION IS NOW COMPLETE.

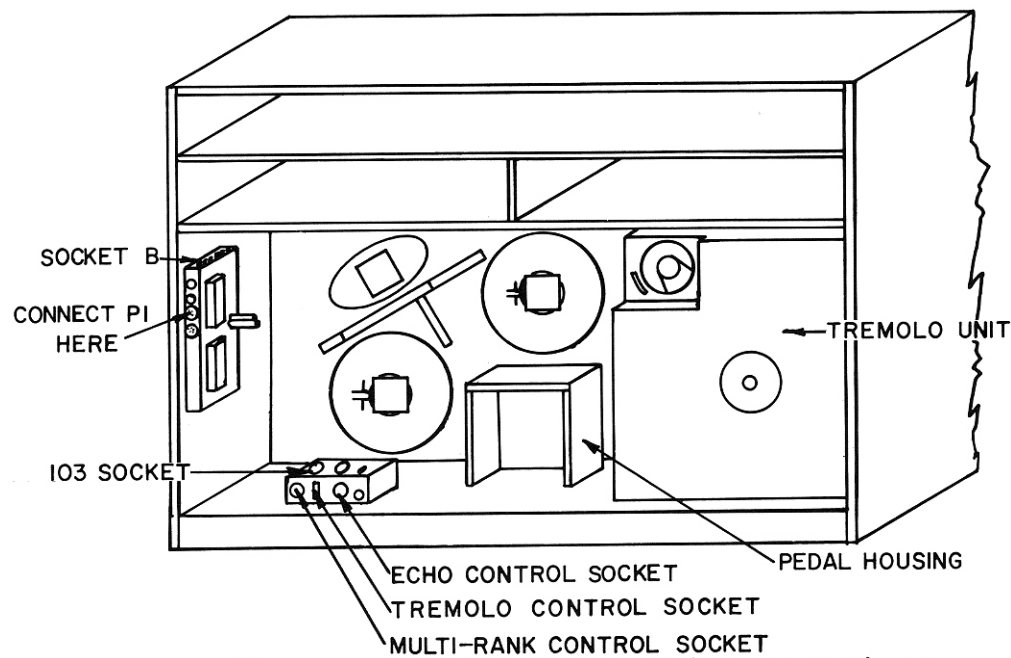


Figure 1. Interconnection Locations

PARTS LIST: 110530 CONSOLE CONNECTOR ASSEMBLY

Rectifier Circuit Assembly	037432
Screw, sheet metal, #6 x 1/4, Phillips head (2)	060533
Interceptor Assembly (includes S2, P2)	110540
Cable and Plug Assembly (includes P1)	037481
Chassis	107250
Housing, socket, 3-circuit, red (S6)	043265
Socket, 2-contact (S5)	029298
Screw, sheet metal, #8 x 1/4, Phillips head (2)	025635
Socket, 5-contact (S7)	029652
Screw, sheet metal, #6 x 1/4, Phillips head (2)	060533
Socket, 9-contact (S3, S4)	061713
Screw, sheet metal, #12 x 3/8, Phillips head (4)	029314
Fuseholder	055178
Fuse, 5-amp, 250-volt	029280
Relay, SPDT, 115-volt, 50/60-Hz	027649
Resistor, 15K, 2W, 10% (R1)	021592
Grommet	028811
Bushing, .196 x .312 x .325	051060
Washer, LWDO, 6 x 9/16 x .025	026898
Screw, machine, 6-32 x 5/8	028001
Transformer, filament, 115-volt, 60-Hz	022244
Screw, sheet metal, #6 x 1/4, Phillips head (2)	060533

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PARTS LIST: 110540 INTERCEPTOR ASSEMBLY

Housing, plug, 6-circuit, natural (white), Amphenol	056929
Contact, insert, male	010421
Housing, socket, 6-circuit, natural (white), Amphenol	069823
Contact, insert, female	010397

MULTIPLE SPEAKER INSTALLATION

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