

KS-20159 EQUALIZER-AMPLIFIER CONNECTIONS

1. GENERAL

1.01 This section contains the connection diagram for the KS-20159 L1 (Manufacture Discontinued) and KS-20159 L2 equalizer-amplifiers.

1.02 This section is reissued for the following reasons:

- To add the KS-20159 L2 equalizer-amplifier which replaces the KS-20159 L1 equalizer-amplifier.

- To add notes in Fig. 1 to turn the amplifier OFF when patching to AMPL IN jacks.

2. CONNECTION DIAGRAMS

2.01 Figure 1 shows the connections and options for the KS-20159 equalizer-amplifier. The schematic diagram is SD-99383-01.

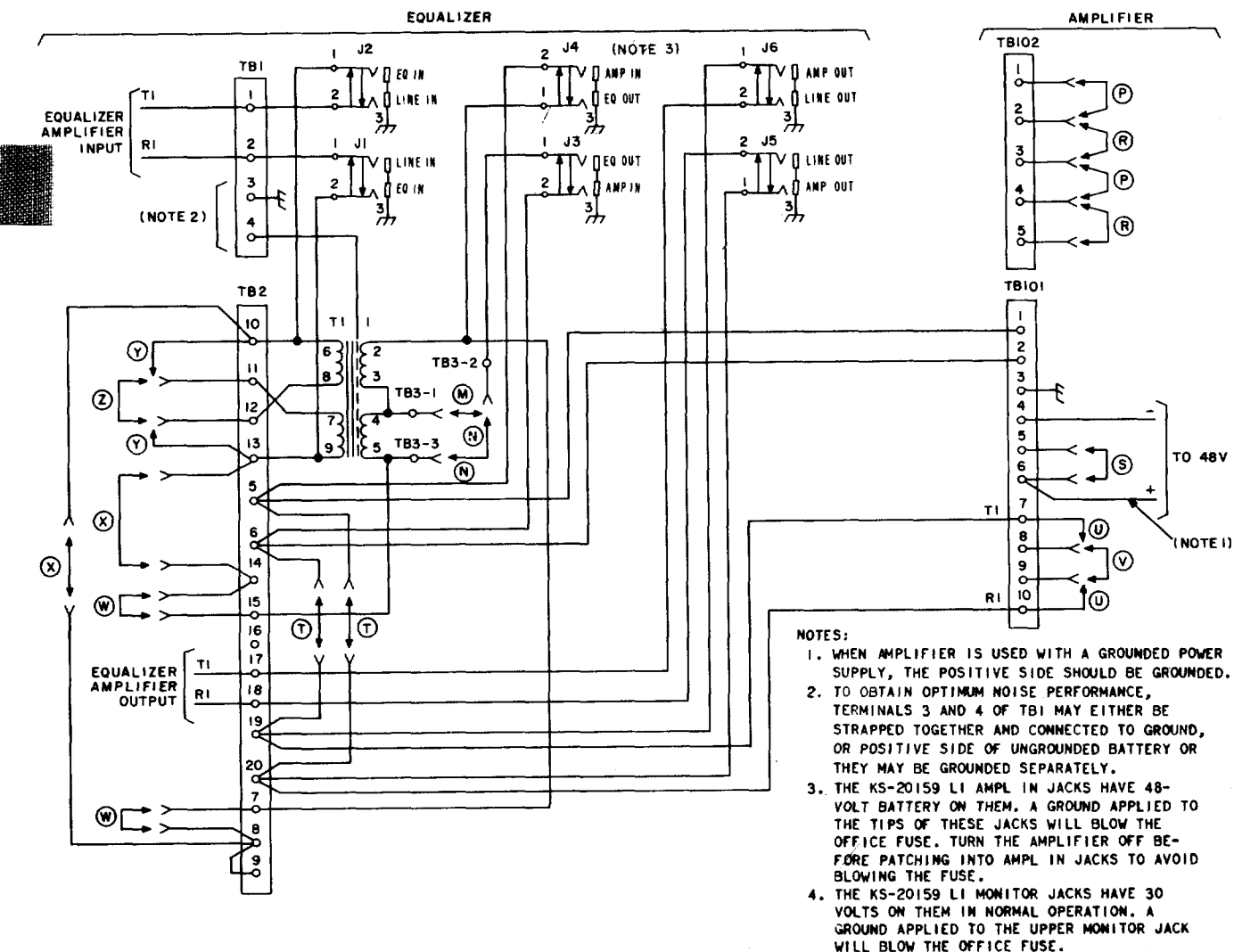


TABLE A - OPTIONS

INPUT IMPEDANCE MATCHING OF EQUALIZER	150Ω	Y
	600Ω	Z
EQUALIZER TERMINATING IMPEDANCE	150Ω	M
	600Ω	N*
AMPLIFIER OUTPUT LOAD IMPEDANCE	150Ω	U
	600Ω	V
AMPLIFIER INTERNAL OUTPUT IMPEDANCE	MATCHED	R*
	LOW	P
EQUALIZER	LINE SIDE	X
	DROP SIDE	W
EQUALIZER WITHOUT AMPLIFIER		T**
REMOVE FOR POLE OR MANHOLE OPERATION		S

* THIS WIRING SUPPLIED

** FURNISHED WITH EQUALIZER ALONE

TABLE B - EQUALIZER STRAPPING

EQUALIZER CONDITION	† TERMINATING IMPEDANCE	TERMINAL STRAPPING		EQUALIZER INPUT TERMINALS	†† EQUALIZER OUTPUT TERMINALS TO AMPLIFIER	AMPLIFIER OUTPUT TERMINALS	LINE OUTPUT TERMINALS
		TB-3	TB-2				
5 AND 8 KHZ	600Ω	2 TO 3	8 TO 9; 9 TO 10; 10 TO 11; 12 TO 13; 13 TO 14	1 AND 2 OF TB1	5 AND 6 OF TB2	19 AND 20 OF TB2	17 AND 18 OF TB2
	150Ω †††	1 TO 2					
15 KHZ	600Ω	2 TO 3	7 TO 8; 8 TO 9; 10 TO 11; 12 TO 13; 14 TO 15	1 AND 2 OF TB1	5 AND 6 OF TB2	19 AND 20 OF TB2	17 AND 18 OF TB2
	150Ω †††	1 TO 2					

† TERMINATING IMPEDANCE IS THE IMPEDANCE INTO WHICH THE EQUALIZER MUST OPERATE.

†† IF THE EQUALIZER IS USED WITHOUT AN AMPLIFIER THEN ON TB2, TERMINALS 5 AND 6 SHOULD BE CONNECTED TO TERMINALS 19 AND 20.

††† THE STRAPPING FOR 150 OHM TERMINATING IMPEDANCE IS REQUIRED ONLY WHEN THE EQUALIZER IS TO BE USED IN CONJUNCTION WITH AN EXTERNAL AMPLIFIER WHICH HAS A 150 OHM INPUT IMPEDANCE.

Fig. 1—KS-20159 Equalizer-Amplifier, Connections and Options