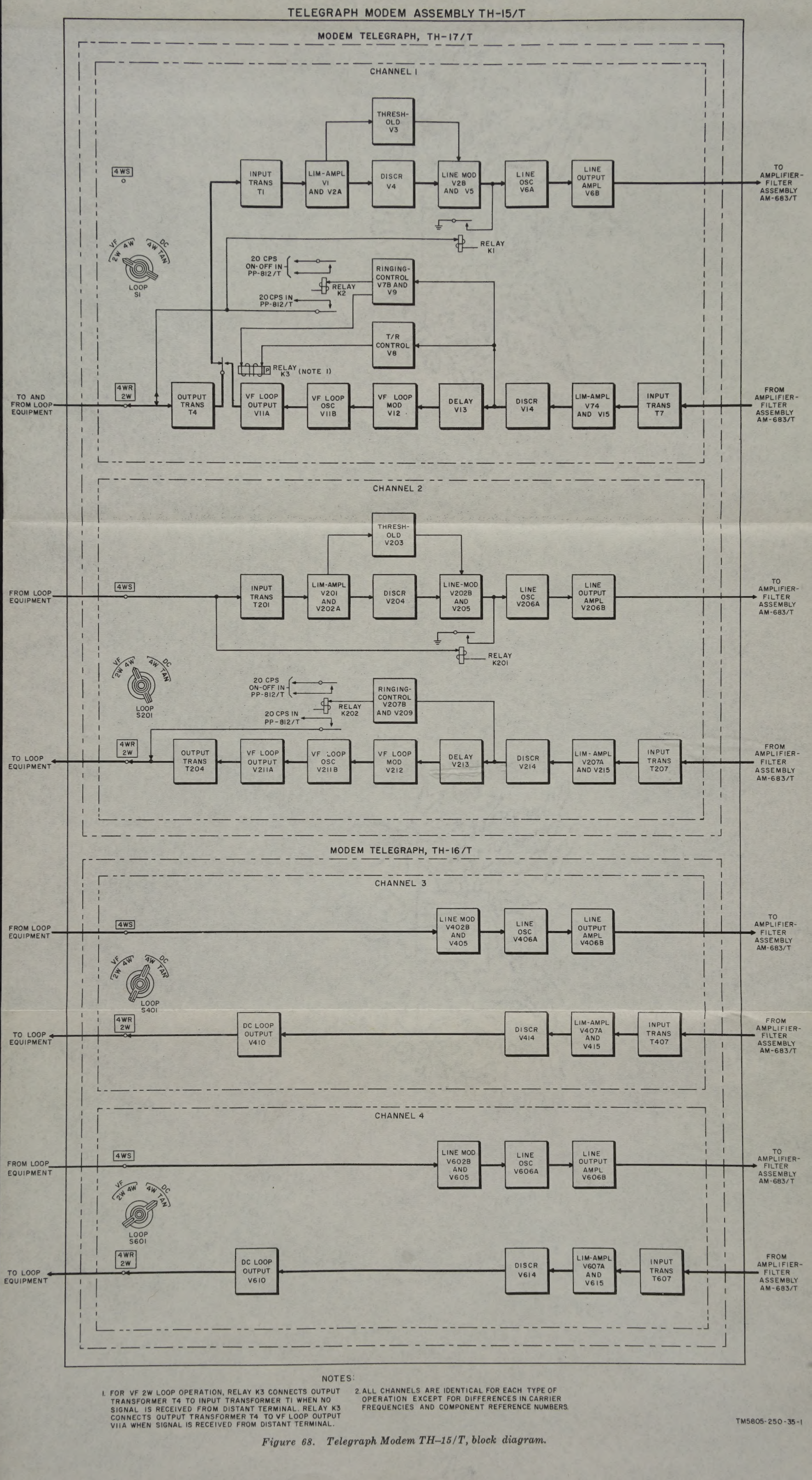
Figure 68.

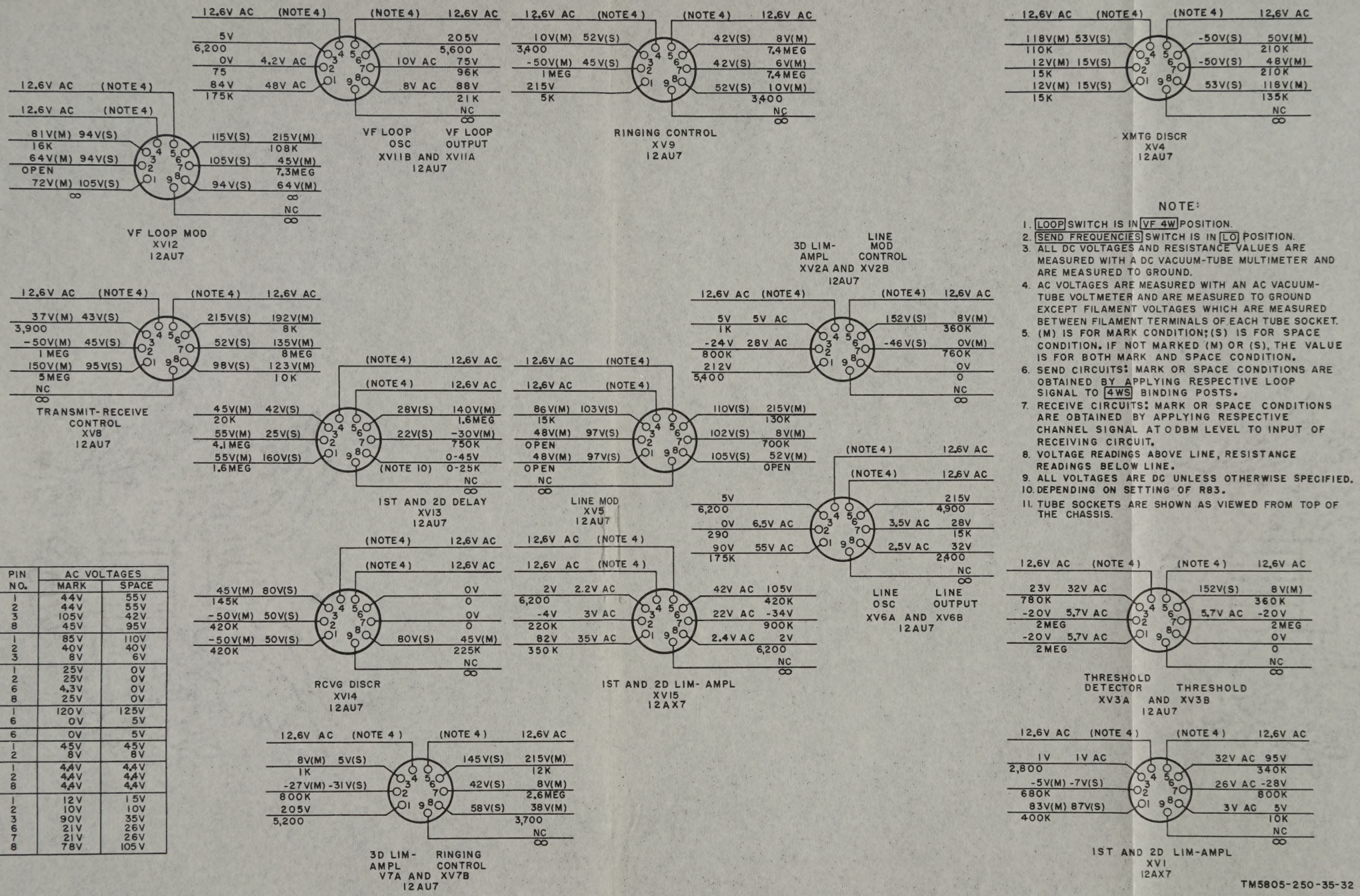


NOTES:

1. FOR VF 2W LOOP OPERATION, RELAY K3 CONNECTS OUTPUT TRANSFORMER T4 TO INPUT TRANSFORMER T1 WHEN NO SIGNAL IS RECEIVED FROM DISTANT TERMINAL. RELAY K3 CONNECTS OUTPUT TRANSFORMER T4 TO VF LOOP OUTPUT V11A WHEN SIGNAL IS RECEIVED FROM DISTANT TERMINAL.
2. ALL CHANNELS ARE IDENTICAL FOR EACH TYPE OF OPERATION EXCEPT FOR DIFFERENCES IN CARRIER FREQUENCIES AND COMPONENT REFERENCE NUMBERS.

TM5805-250-35-1

Figure 68. Telegraph Modem TH–15/T, block diagram.

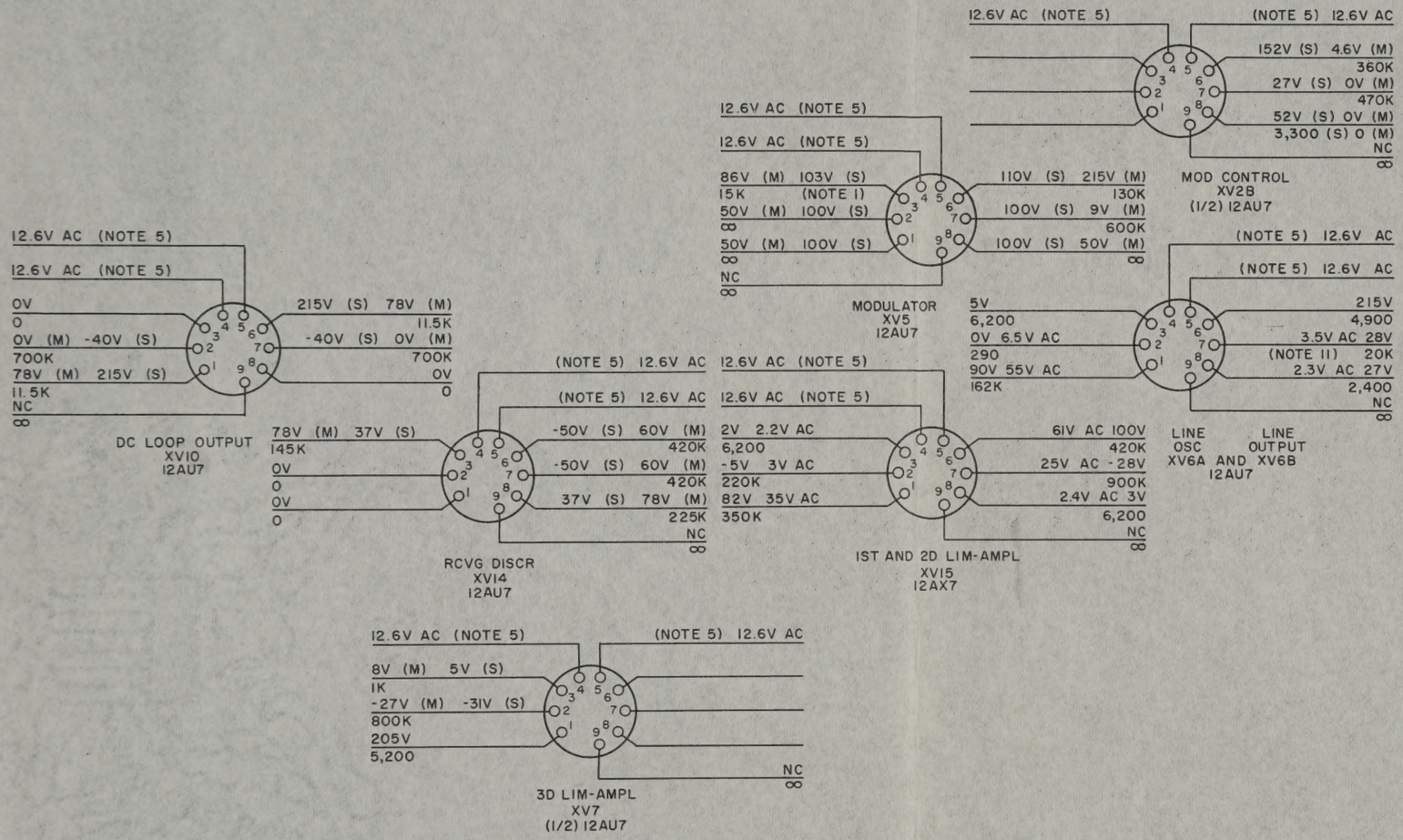


NOTE:

1. LOOP SWITCH IS IN VF 4W POSITION.
2. SEND FREQUENCIES SWITCH IS IN LO POSITION.
3. ALL DC VOLTAGES AND RESISTANCE VALUES ARE MEASURED WITH A DC VACUUM-TUBE MULTIMETER AND ARE MEASURED TO GROUND.
4. AC VOLTAGES ARE MEASURED WITH AN AC VACUUM-TUBE VOLTMETER AND ARE MEASURED TO GROUND EXCEPT FILAMENT VOLTAGES WHICH ARE MEASURED BETWEEN FILAMENT TERMINALS OF EACH TUBE SOCKET.
5. (M) IS FOR MARK CONDITION; (S) IS FOR SPACE CONDITION. IF NOT MARKED (M) OR (S), THE VALUE IS FOR BOTH MARK AND SPACE CONDITION.
6. SEND CIRCUITS: MARK OR SPACE CONDITIONS ARE OBTAINED BY APPLYING RESPECTIVE LOOP SIGNAL TO 4WS BINDING POSTS.
7. RECEIVE CIRCUITS: MARK OR SPACE CONDITIONS ARE OBTAINED BY APPLYING RESPECTIVE CHANNEL SIGNAL AT 0 DBM LEVEL TO INPUT OF RECEIVING CIRCUIT.
8. VOLTAGE READINGS ABOVE LINE, RESISTANCE READINGS BELOW LINE.
9. ALL VOLTAGES ARE DC UNLESS OTHERWISE SPECIFIED.
10. DEPENDING ON SETTING OF R83.
11. TUBE SOCKETS ARE SHOWN AS VIEWED FROM TOP OF THE CHASSIS.

TUBE SOCKET	PIN NO.	AC VOLTAGES MARK	AC VOLTAGES SPACE
V14A	1	44V	55V
AND	2	44V	55V
V14B	3	105V	42V
	8	45V	95V
V7A	1	85V	110V
	2	40V	40V
	3	8V	6V
V5A	1	25V	0V
AND	2	25V	0V
V5B	6	4.3V	0V
	8	25V	0V
V2A AND V2B	1	120V	125V
	6	0V	5V
V3B	6	0V	5V
V1A	1	45V	45V
	2	8V	8V
V12A	1	4.4V	4.4V
AND	2	4.4V	4.4V
V12B	8	4.4V	4.4V
V4A	1	12V	15V
AND	2	10V	10V
V4B	3	90V	35V
	6	21V	26V
	7	21V	26V
	8	78V	105V

Figure 69. Telegraph Modem TH-17/T, VF 4W operation, tube socket voltage and resistance diagram.



NOTES:

1. CHANNELS 3 AND 4: 66V(M), 80V(S), 10K.
2. LOOP SELECTOR SWITCH IS IN DC 4W POSITION.
3. SEND FREQUENCIES SWITCH IS IN LO POSITION.
4. ALL DC VOLTAGES AND RESISTANCE VALUES ARE MEASURED WITH A DC VACUUM-TUBE MULTIMETER AND ARE MEASURED TO GROUND.
5. ALL AC VOLTAGES ARE MEASURED WITH AN AC VACUUM-TUBE VOLTMETER AND ARE MEASURED TO GROUND EXCEPT FILAMENT VOLTAGES WHICH ARE MEASURED BETWEEN FILAMENT TERMINALS OF EACH TUBE SOCKET.
6. (M) IS FOR MARK CONDITION; (S) IS FOR SPACE CONDITION. IF NOT MARKED (M) OR (S), THE VALUE IS FOR BOTH MARK AND SPACE CONDITIONS.
7. RECEIVE LOOP MUST BE CLOSED.
8. SEND CIRCUITS: MARK CONDITION IS OBTAINED BY SHORTING LOOP 4WS BINDING POSTS. SPACE CONDITION IS OBTAINED WHEN 4WS LOOP IS OPEN. RECEIVE CIRCUITS: MARK OR SPACE CONDITIONS ARE OBTAINED BY APPLYING THE CHANNEL REC MARK AND SPACE FREQUENCIES AT 0 DBM LEVEL TO INPUT OF RECEIVING CIRCUIT.
9. VOLTAGE READINGS ABOVE LINE, RESISTANCE READINGS BELOW LINE.
10. ALL VOLTAGES ARE DC UNLESS OTHERWISE SPECIFIED
11. DEPENDING ON SETTING OF R42.
12. TUBE SOCKETS ARE SHOWN VIEWED FROM TOP OF THE CHASSIS.

TUBE SOCKETS	PIN NO.	AC VOLTAGES	
		MARK	SPACE
V14A AND V14B	3	74V	27V
	6	37V	67V
	7	37V	67V
	8	56V	110V
V7A	1	85V	120V
	2	42V	42V
	3	6V	6V
V5A AND V5B	1	24V	0V
	2	24V	0V
	8	24V	0V

TM5805-250-35-50

Figure 70. Telegraph Modem TH–17/T, DC 4W operation, tube socket voltage and resistance diagram.

Figure 70.

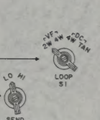
NOTES:

1. UNLESS OTHERWISE INDICATED, RESISTANCES ARE IN OHMS, CAPACITANCES ARE IN UUF.
2. WAFER SWITCH SEGMENTS ARE PART OF LOOP SWITCH S1 AND ARE IN POSITION AS SHOWN. THE SEGMENTS ARE VIEWED FROM KNOB END AND SECTION 1 IS NEAREST KNOB.
3. WAFER SWITCH SEGMENTS ARE PART OF SEND FREQUENCIES SWITCH S2 AND ARE IN POSITION 1 AS SHOWN.
4. TRIMMER CAPACITOR VALUES DETERMINED BY TUNING REQUIREMENTS AND SELECTED FROM FOLLOWING LIST:

10-18 UUF	560-1,000 UUF
22-180 UUF	1,200-3,300 UUF
220-470 UUF	3,900-10,000 UUF

5. REMOVE STRAP TO DISABLE TRANSMIT RINGING CIRCUIT.
6. REMOVE LAMP I1 TO DISABLE RECEIVE RINGING CIRCUIT.
7. LABELLED VF BIAS CAL ON SOME EQUIPMENTS.
8. LABELLED DC BIAS CAL ON SOME EQUIPMENTS.
9. RESISTOR R30 SELECTED IN MANUFACTURE, IS EITHER 680 OHMS, 2W, OR 620 OHMS, 1W.
10. IN SOME EQUIPMENTS, CAPACITORS C69 AND C70 (470 UUF) HAVE BEEN ADDED BETWEEN PINS 2 AND 3 OF THE TRANSMIT AND RECEIVE 3D LIM-AMPL, RESPECTIVELY.
11. IN SOME EQUIPMENTS, RESISTORS R117 AND R118 ARE 9,100 OHMS.
12. IN SOME EQUIPMENTS, ALL DISCRIMINATOR TRANSFORMER TUNING CAPACITORS ARE PLACED ACROSS THE CORRESPONDING PRIMARY WINDINGS 1-2 AND 2-3.
13. ORDER NUMBERS AND SERIAL NUMBERS OF EQUIPMENT AFFECTED BY CHANGES ARE LISTED IN THE TH-15/T EQUIPMENT CHANGES CHART.
14. ☐ INDICATES EQUIPMENT MARKING.
15. IN SOME UNITS, RESISTOR R45 IS 3,800 OHMS.
16. IN UNITS HAVING TUNING CAPACITORS IN PRIMARY OF T2, CAPACITORS C11 AND C12 ARE .01 UF.





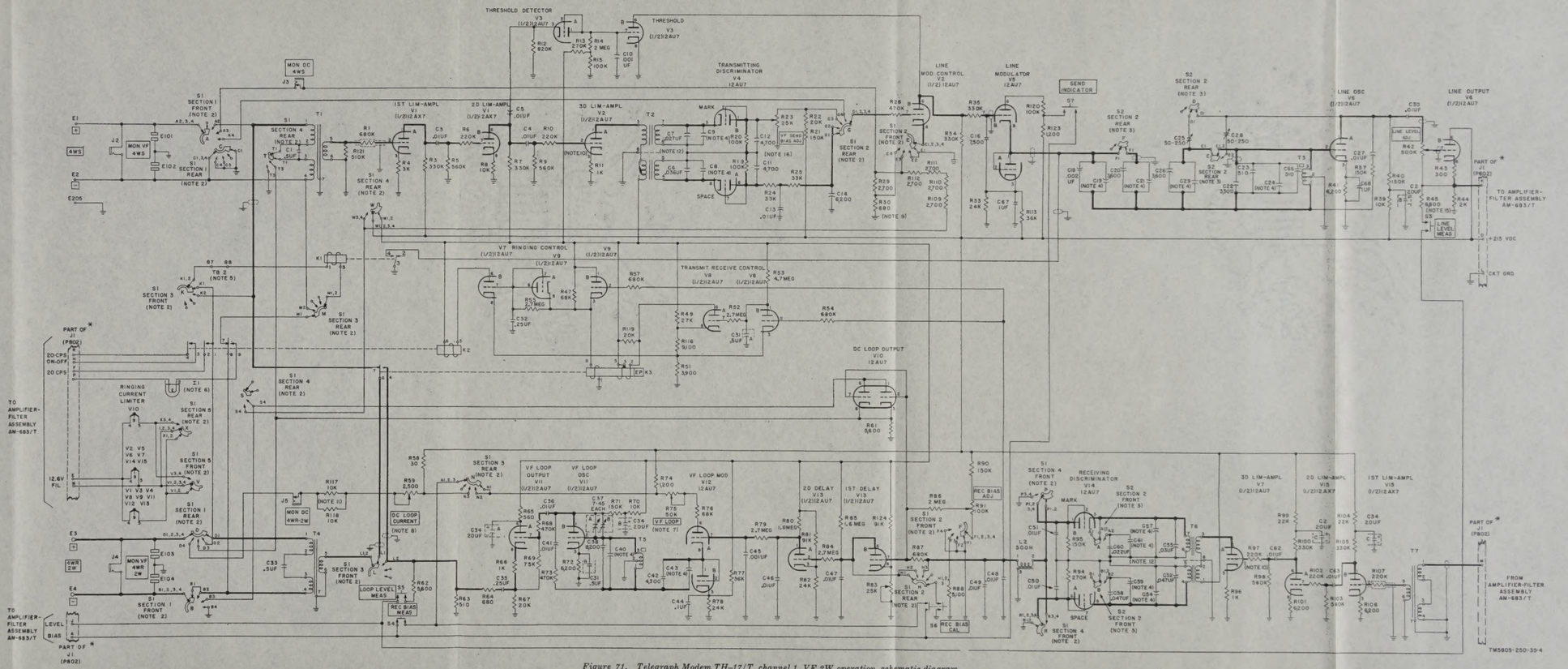


Figure 71. Telegraph Modem TH-17/T, channel 1, VF 2W operation, schematic diagram.

NOTES:

1. UNLESS OTHERWISE INDICATED, RESISTANCES ARE IN OHMS, CAPACITANCES ARE IN UUF
2. WAFER SWITCH SEGMENTS ARE PART OF LOOP SWITCH S201 AND ARE IN POSITION AS SHOWN. THE SEGMENTS ARE VIEWED FROM KNOB END AND SECTION I IS NEAREST KNOB.
3. WAFER SWITCH SEGMENTS ARE PART OF SEND FREQUENCIES SWITCH S2 AND ARE IN POSITION I AS SHOWN.
4. TRIMMER CAPACITOR VALUES DETERMINED BY TUNING REQUIREMENTS AND SELECTED FROM FOLLOWING LIST:

10-18 UUF	560-1,000 UUF
22-180 UUF	1,200-3,300 UUF
220-470 UUF	3,900-10,000 UUF

5. REMOVE STRAP TO DISABLE TRANSMIT RINGING CIRCUIT.
6. REMOVE LAMP I 201 TO DISABLE RECEIVE RINGING CIRCUIT.
7. LABELED VF BIAS CAL ON SOME EQUIPMENTS.
8. LABELED DC BIAS CAL ON SOME EQUIPMENTS.
9. RESISTOR R230 SELECTED IN MANUFACTURE, IS EITHER 680 OHMS, 2W, OR 620 OHMS, 1W.
10. IN SOME EQUIPMENTS, CAPACITORS C269 AND C270 (470 UUF) HAVE BEEN ADDED BETWEEN PINS 2 AND 3 OF THE TRANSMIT AND RECEIVE 3D LIM-AMPL RESPECTIVELY.
11. IN SOME EQUIPMENTS, RESISTORS R317 AND R318 ARE 9,100 OHMS.
12. IN SOME EQUIPMENTS, ALL DISCRIMINATOR TRANSFORMER TUNING CAPACITORS ARE PLACED ACROSS THE CORRESPONDING PRIMARY WINDINGS 1-2 AND 2-3.
13. ORDER NUMBERS AND SERIAL NUMBERS OF EQUIPMENT AFFECTED BY CHANGES ARE LISTED IN THE TH-15/T EQUIPMENT CHANGES CHART.
14. [ ] INDICATES EQUIPMENT MARKING.
15. IN SOME UNITS, RESISTOR R245 IS 3,800 OHMS.
16. IN UNITS HAVING TUNING CAPACITORS IN PRIMARY OF T202, CAPACITORS C211 AND C212 ARE .01 UF



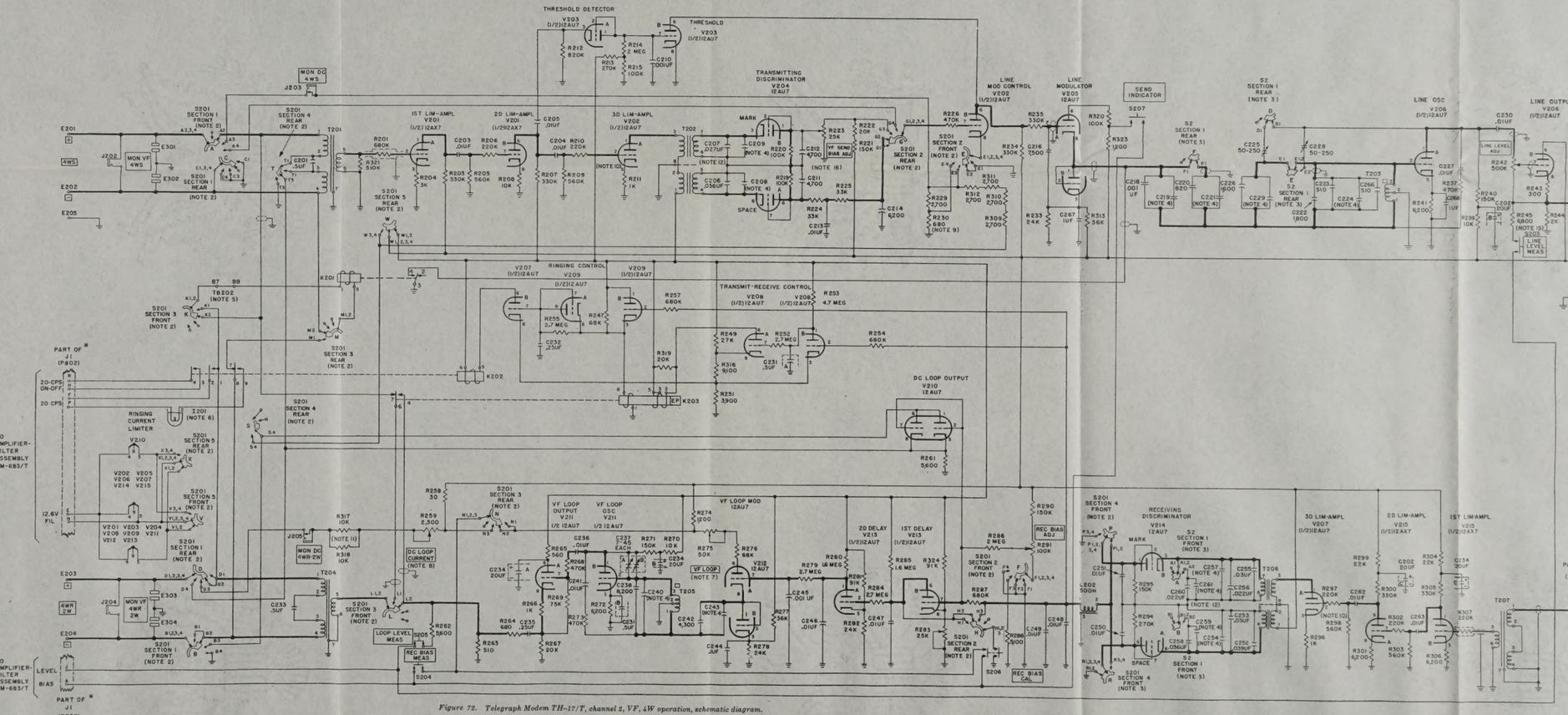


Figure 72. Telegraph Modem TH-17/T, channel 2, VF, 4W operation, schematic diagram.

Figure 72.

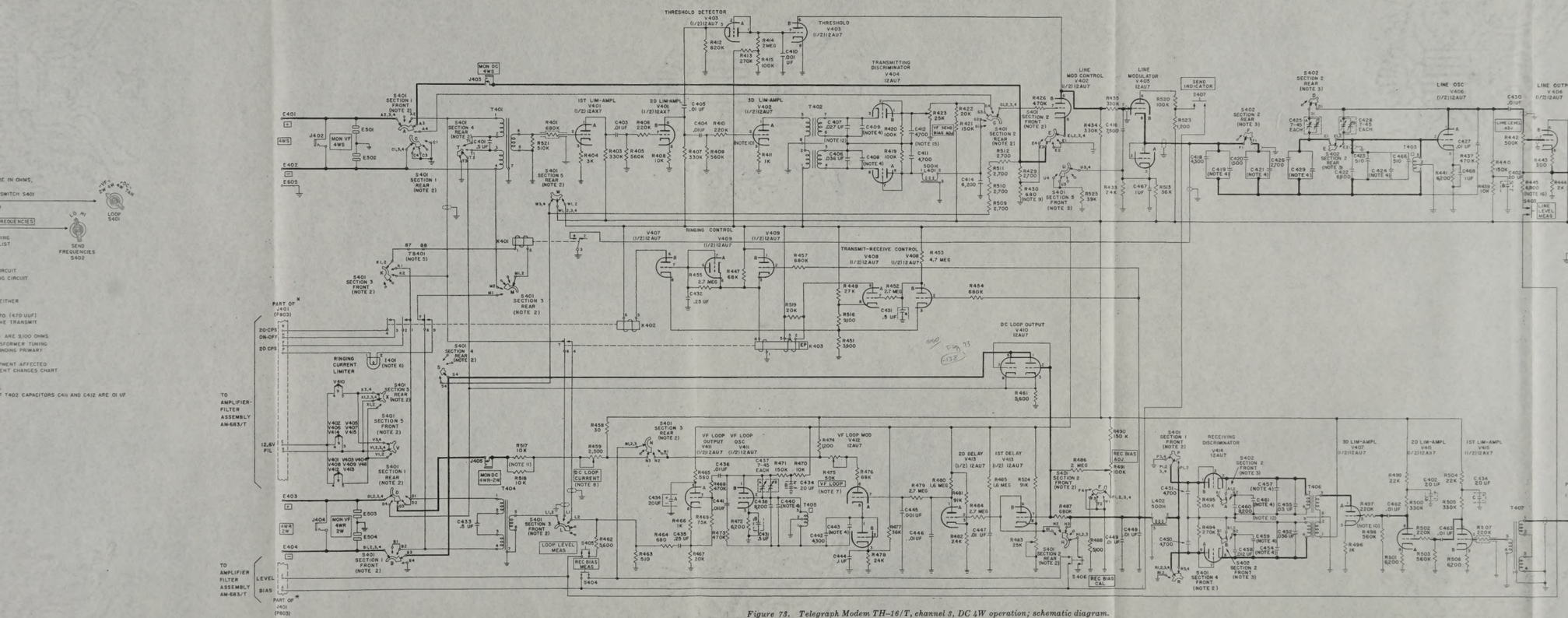


Figure 73. Telegraph Modem TH–16/T, channel 3, DC 4W operation; schematic diagram.

Figure 73.

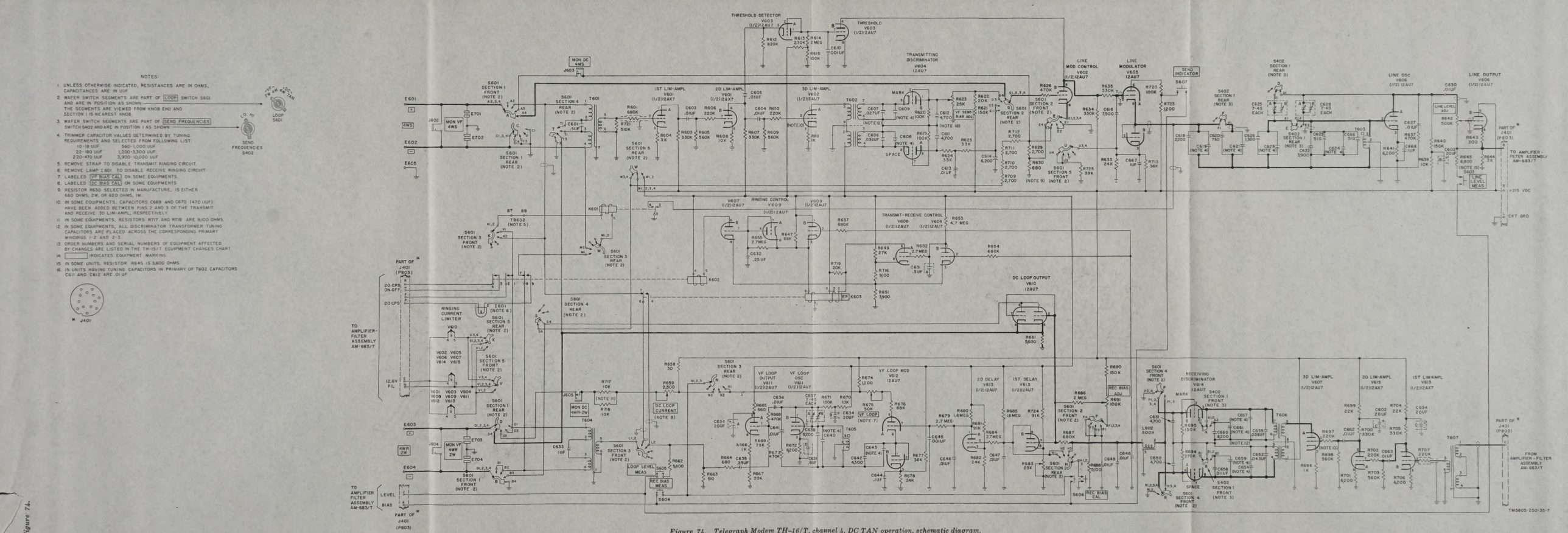


Figure 74. Telegraph Modem TH-16/T, channel 4, DC TAN operation, schematic diagram.

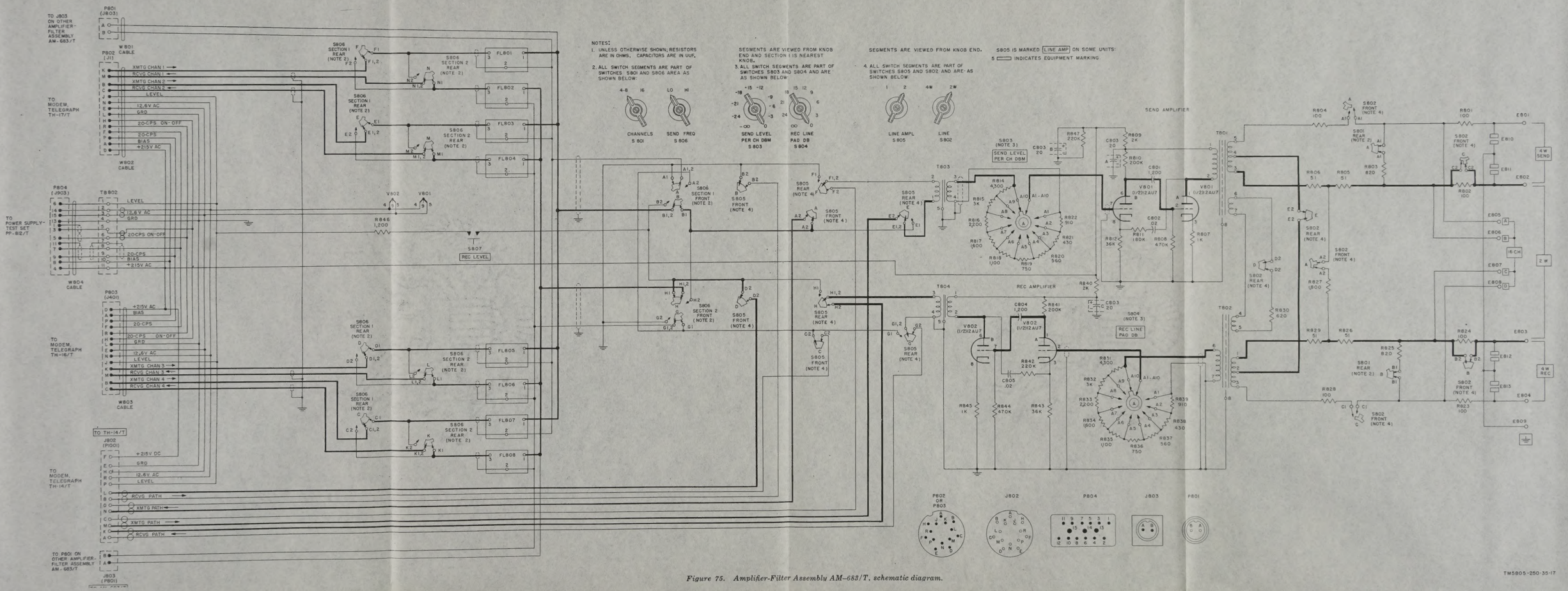


Figure 75. Amplifier-Filter Assembly AM-683/T, schematic diagram.

TM5805-250-35-17

NOTES:

1. UNLESS OTHERWISE SHOWN, RESISTORS ARE IN OHMS.
2. WAFER SWITCH SEGMENTS ARE PART OF [METER] SWITCH S903 AND ARE IN POSITION 1 AS SHOWN BELOW. THE SEGMENTS ARE VIEWED FROM KNOB END.

BIAS — LEVEL — 215V DC

METER S903

3. [ ] INDICATES EQUIPMENT MARKING.
4. ON ORDER NO. 55987-PHILA-57, CR901 THROUGH CR904 ARE GERMANIUM DIODES TYPE IN38B. IN OTHER UNITS CR901 THROUGH CR904 MAY BE IN34, IN34A, IN38B, OR IN69.
5. ON ORDER NO. 55987-PHILA-57, V901 AND V902 ARE TUBE TYPE 6X4W.

Figure 76. Power Supply-Test Set PP-812/T, schematic diagram (original units).

TM5805-250-35-23

Figure 76.

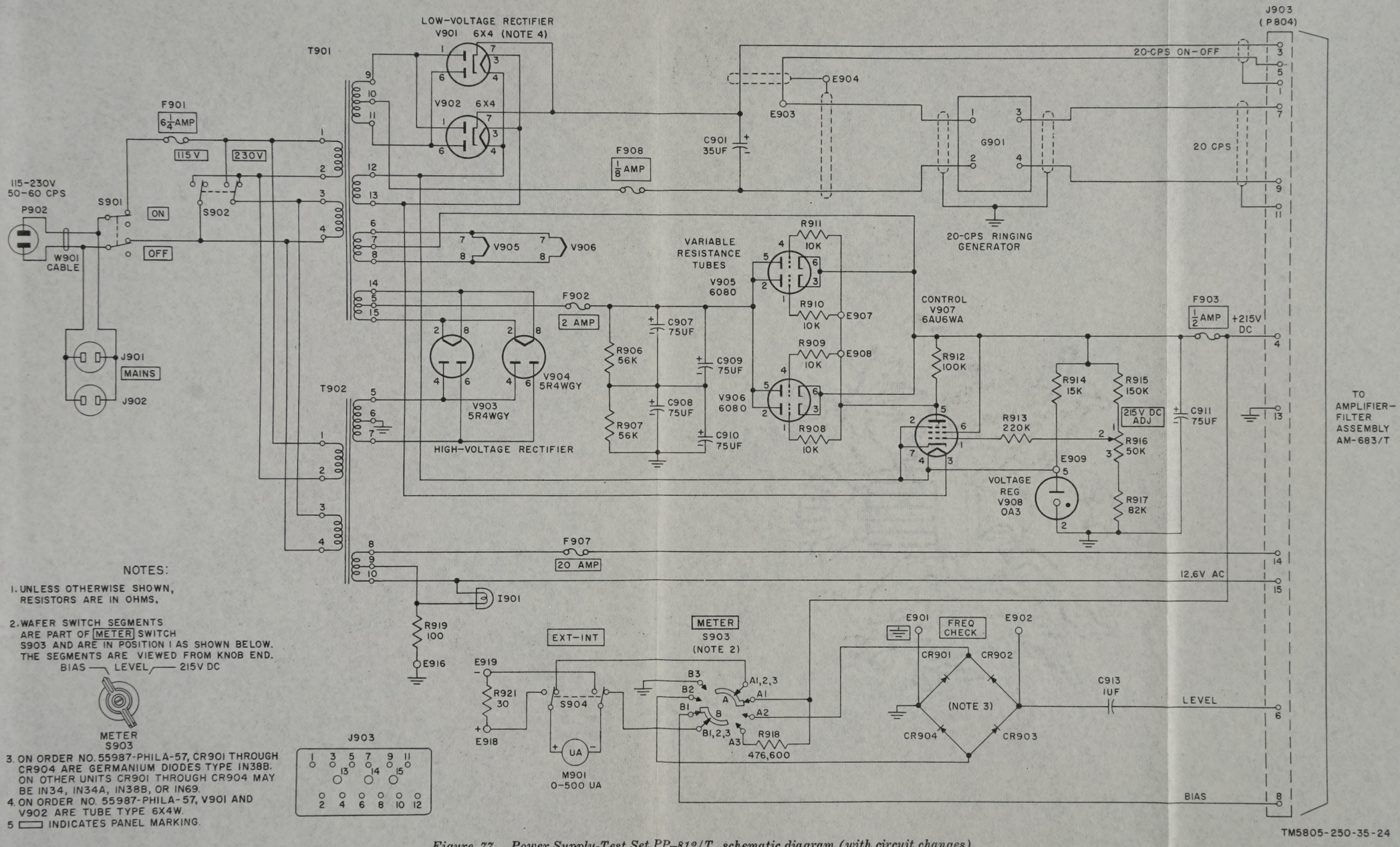


Figure 77. Power Supply-Test Set PP-812/T, schematic diagram (with circuit changes).

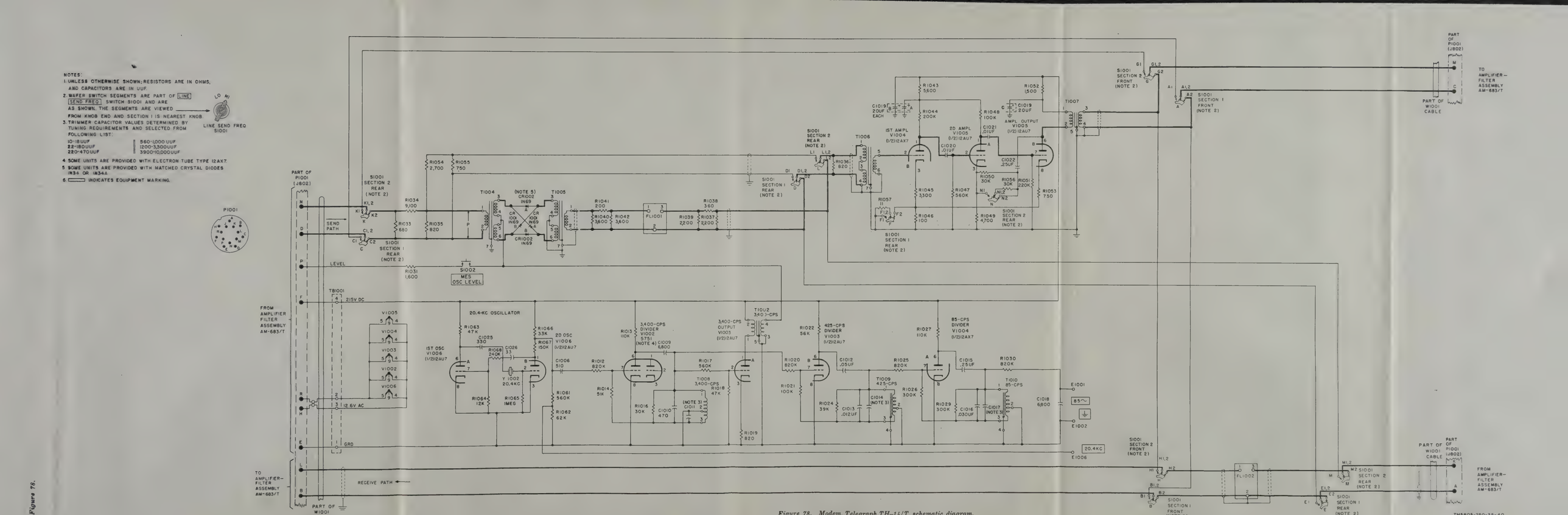


Figure 78. Modem, Telegraph TH-14/T, schematic diagram.

Figure 78.

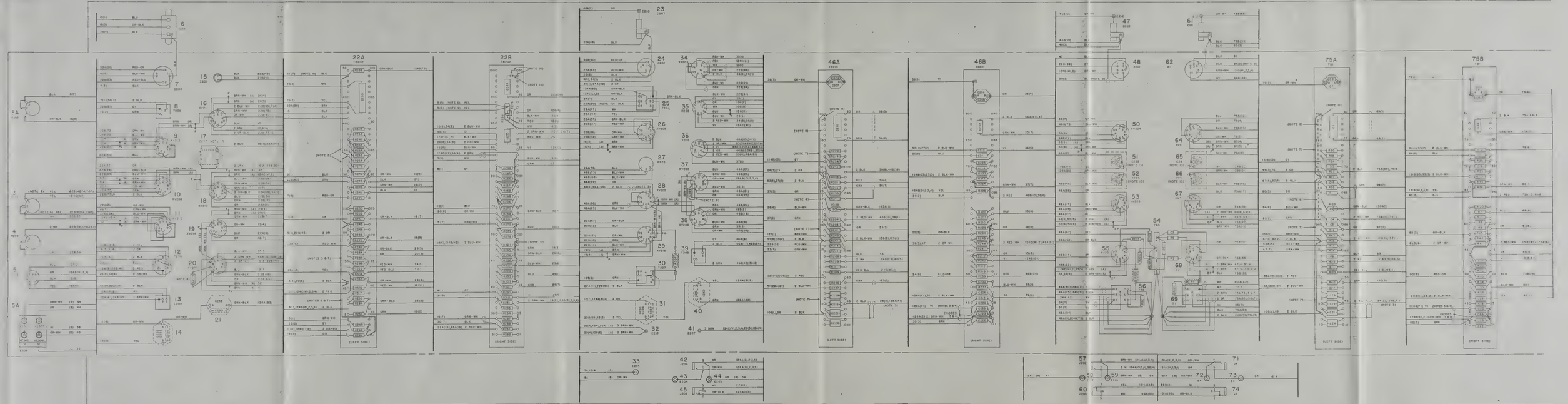


Figure 79. Telegraph Modem TH-17/T, wiring diagram (tuned secondary of discriminator transformers).

TM 5805-250-35-29

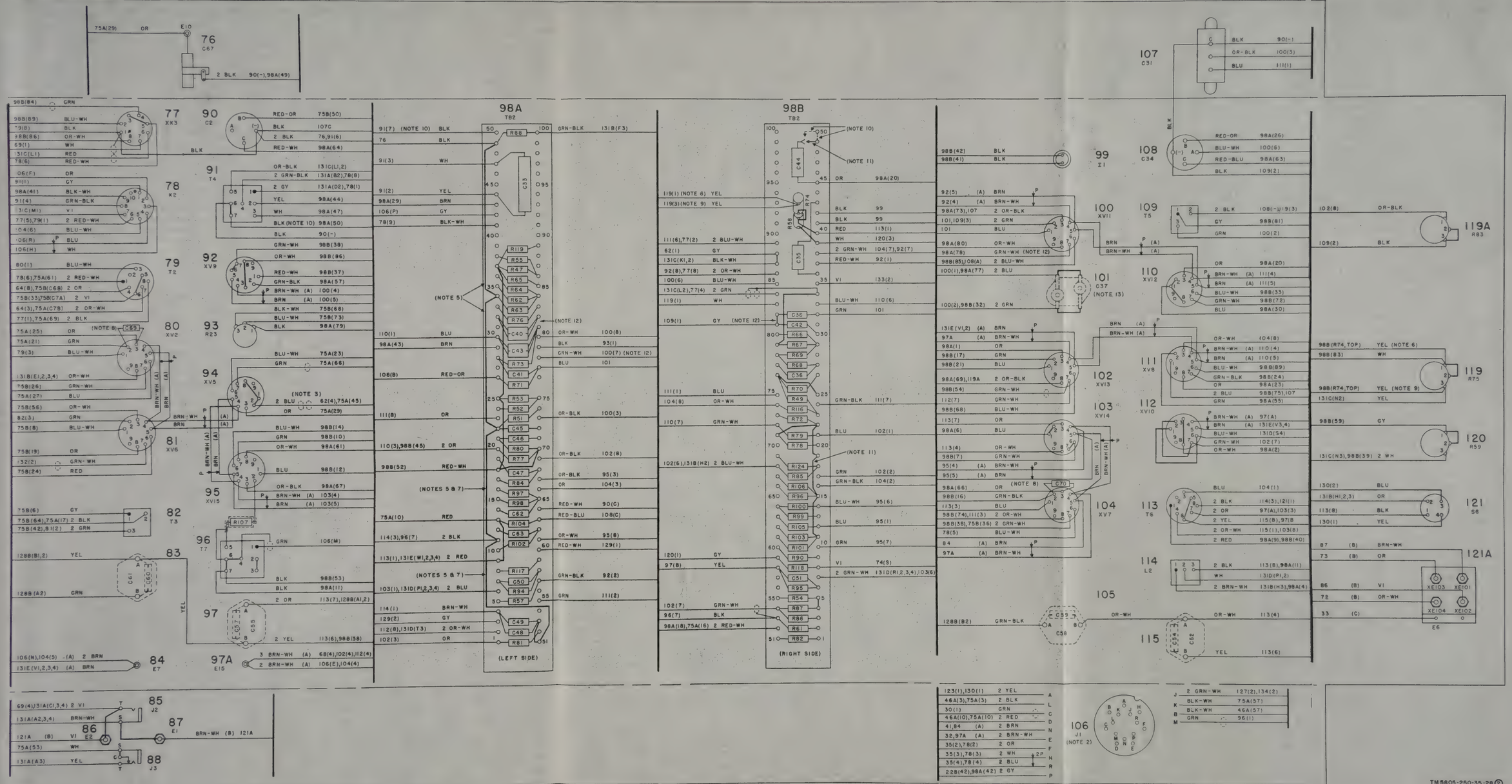


Figure 79.—Continued.

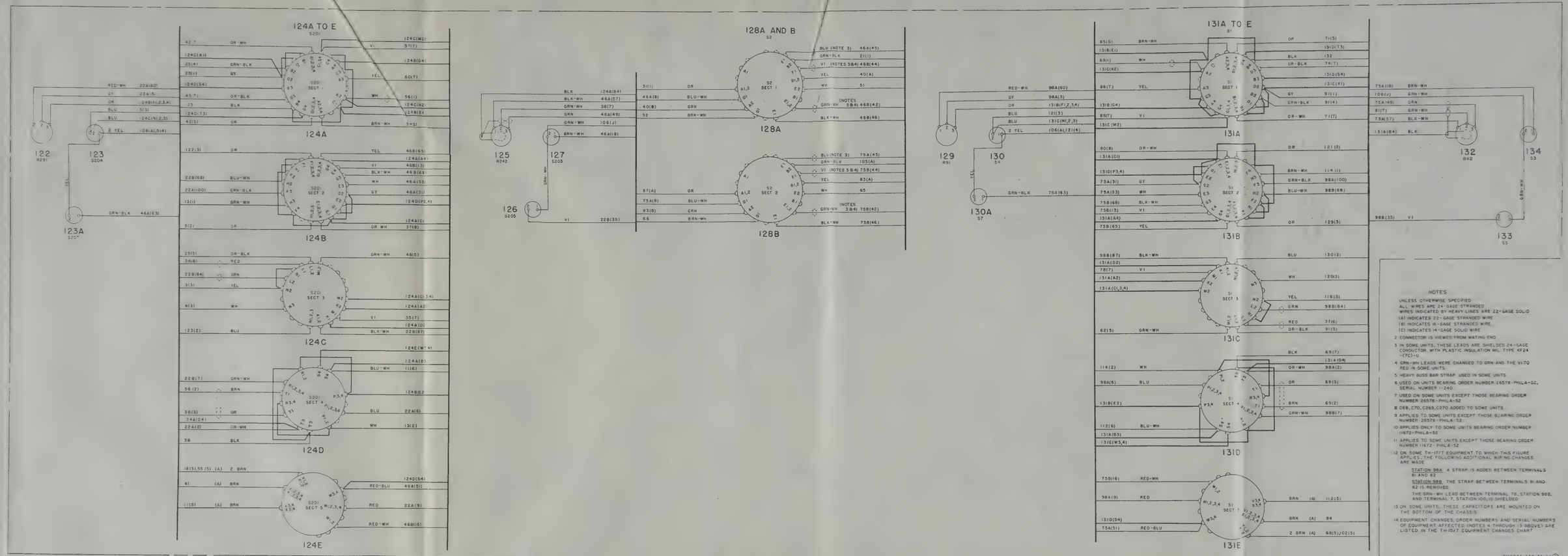


Figure 79. Telegraph Modem TH–17/T, wiring diagram (tuned secondary of discriminator transformers).

Figure 79.

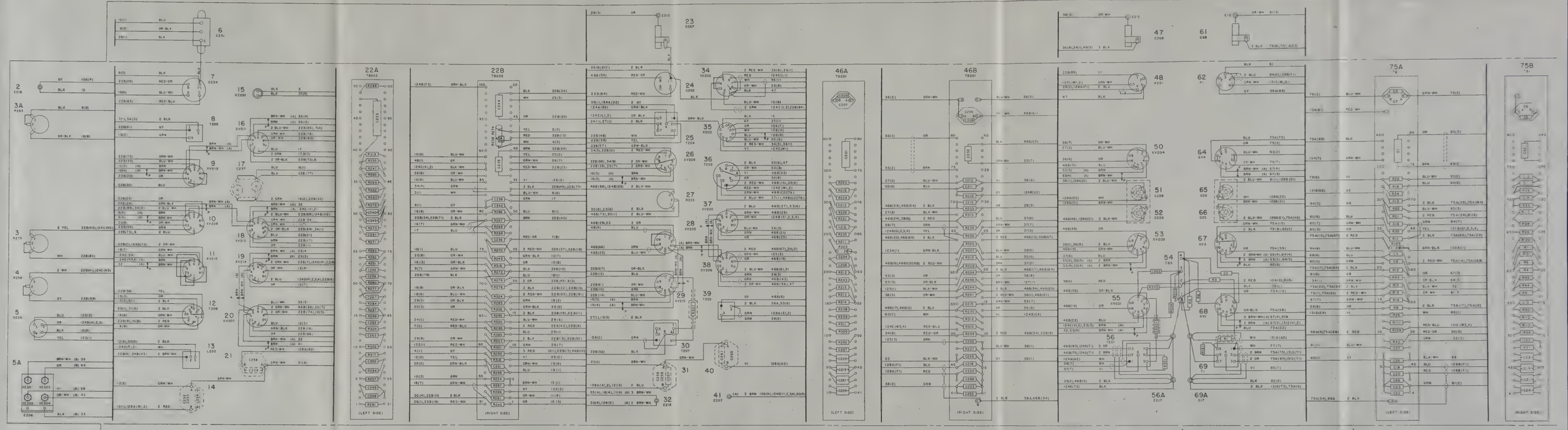


Figure 80. Telegraph Modem TH-17/T, wiring diagram (tuned primary of discriminator transformers).

Figure 81.

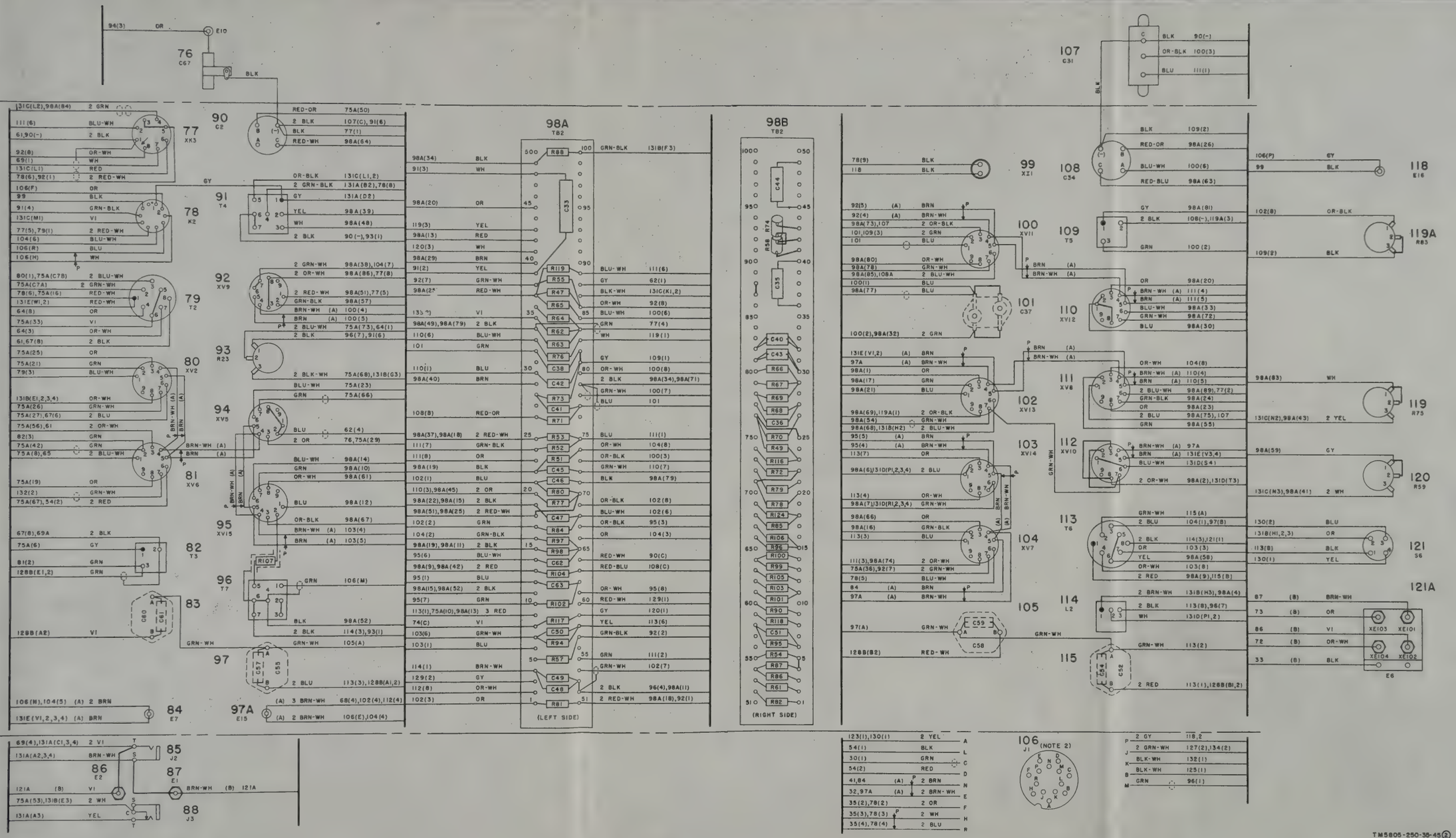


Figure 80—Continued.

TM5805-250-35-45-2

Figure 80

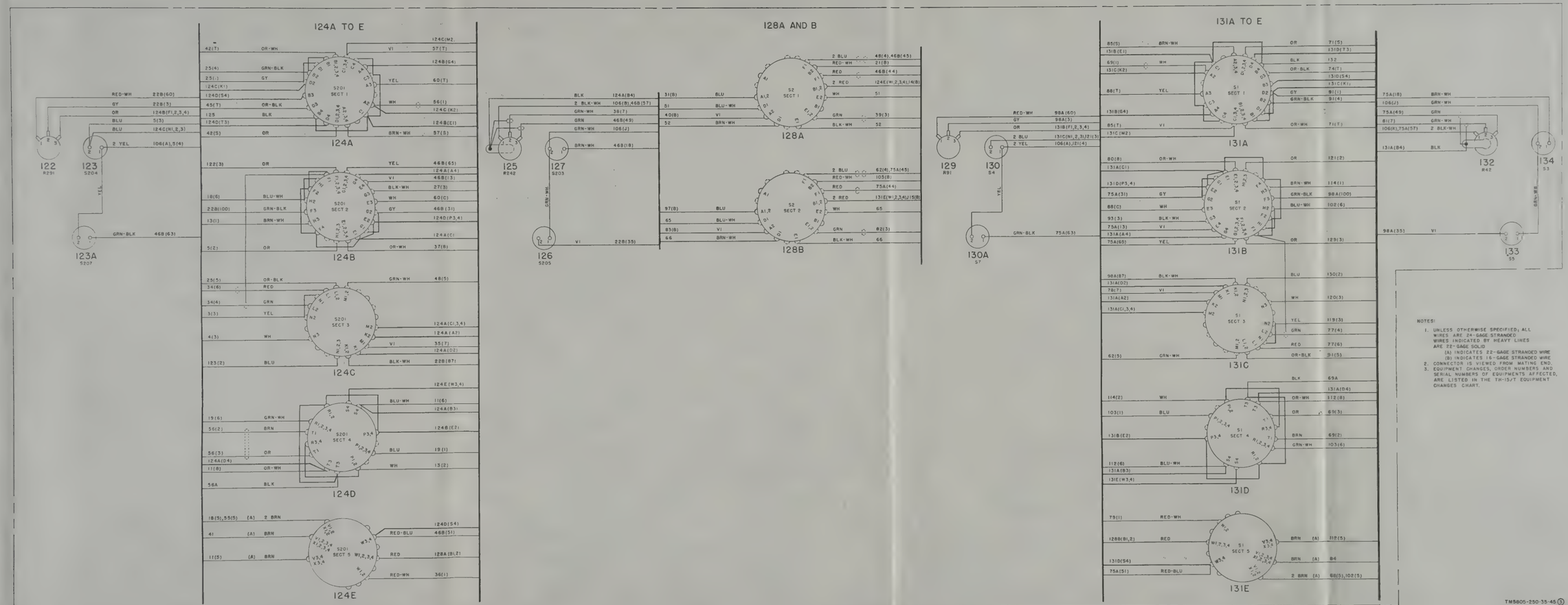


Figure 80—Continued.

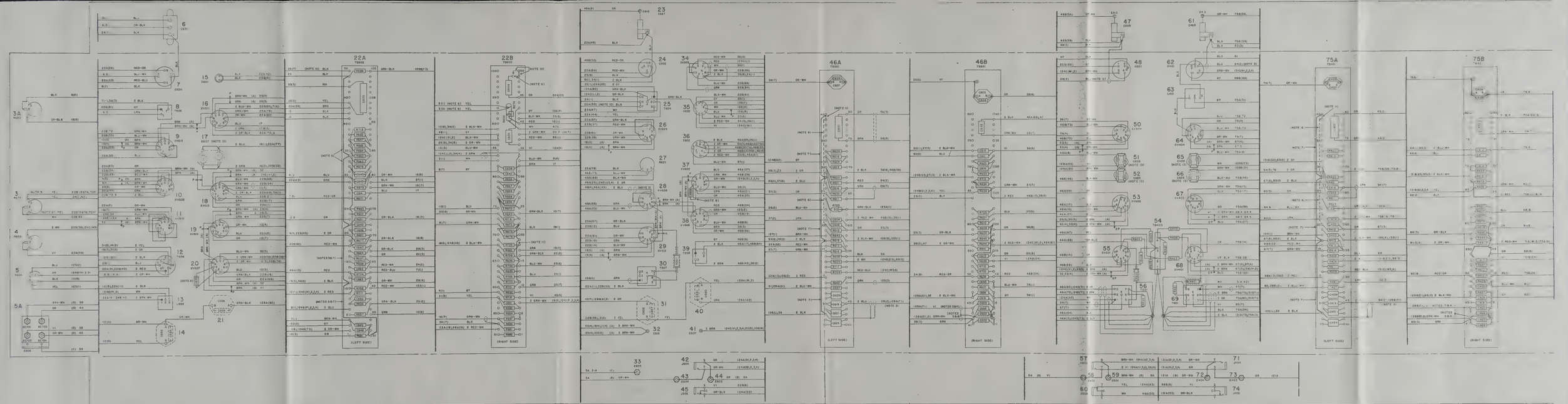


Figure 81. Telegraph Modem TH-16/T, wiring diagram (tuned secondary of discriminator transformers).

Figure 81

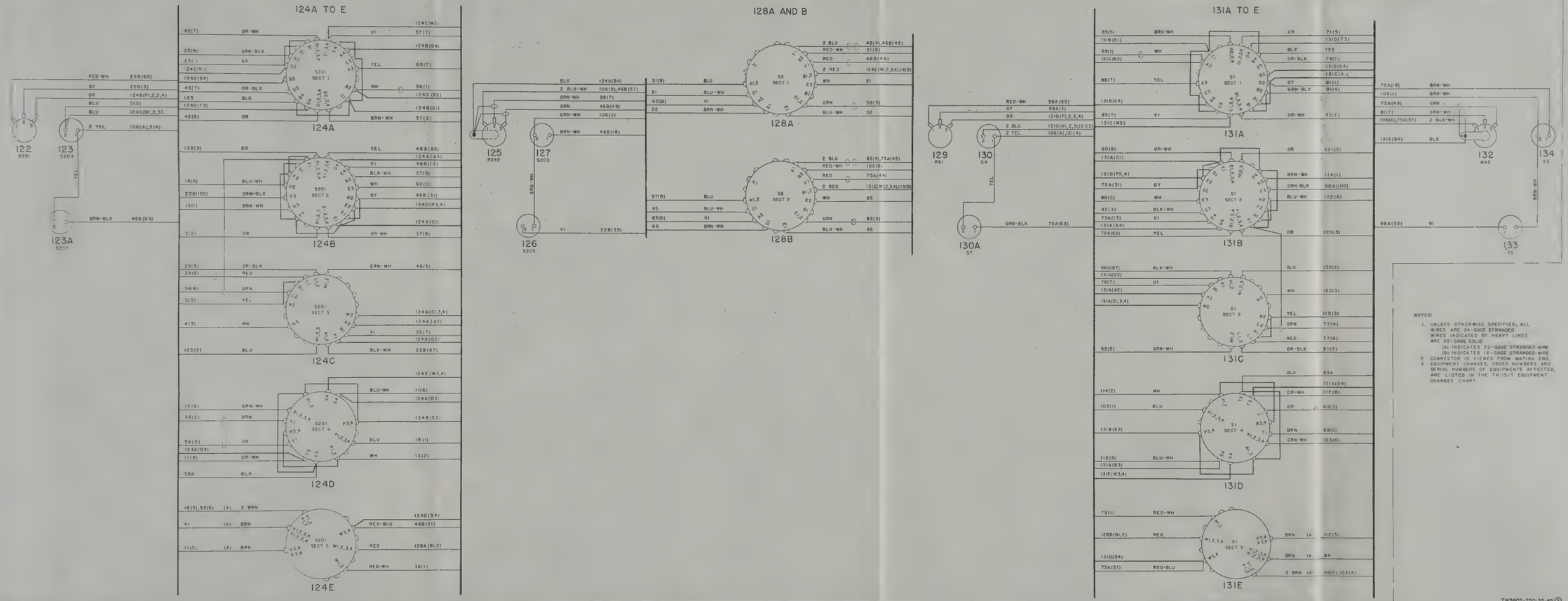


Figure 80—Continued.

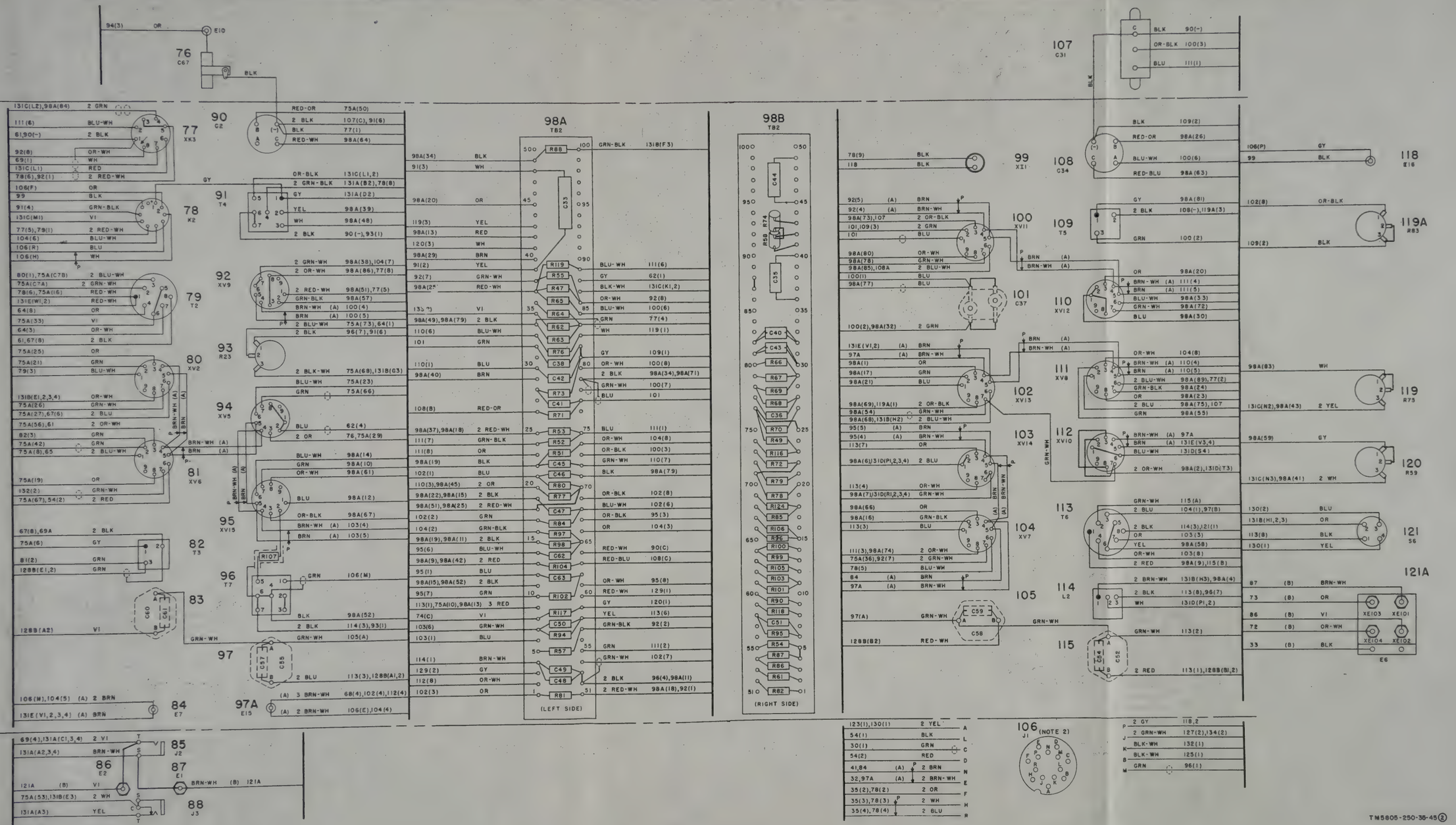


Figure 80—Continued.

Figure 80

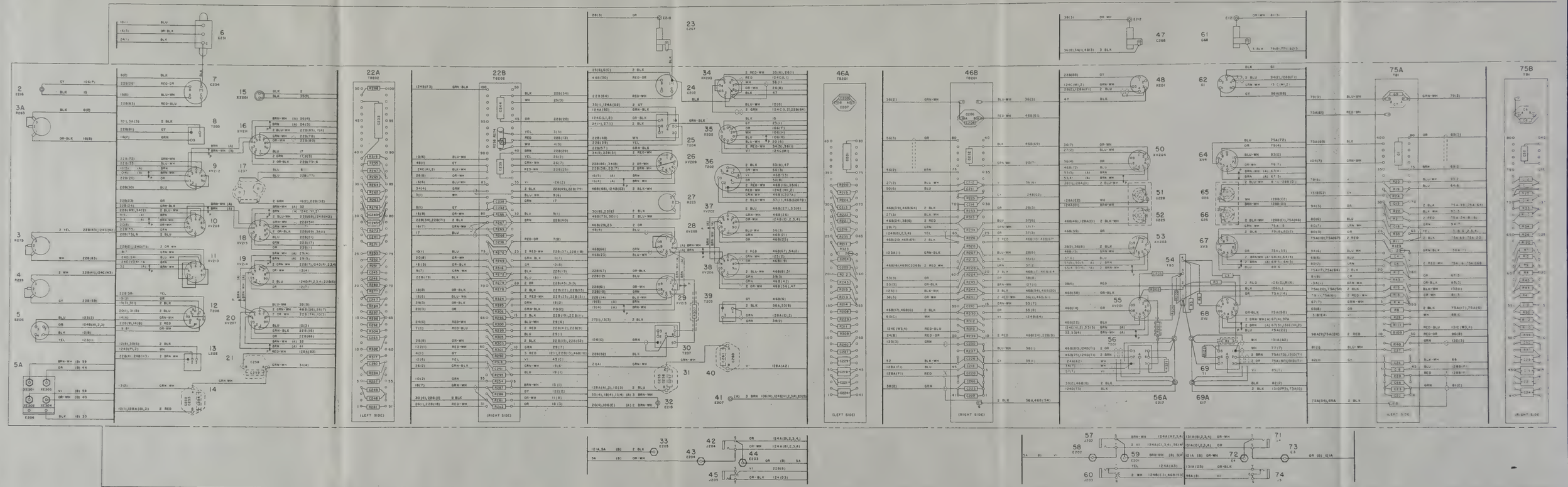


Figure 80. Telegraph Modem TH–17/T, wiring diagram (tuned primary of discriminator transformers).

Figure 81.

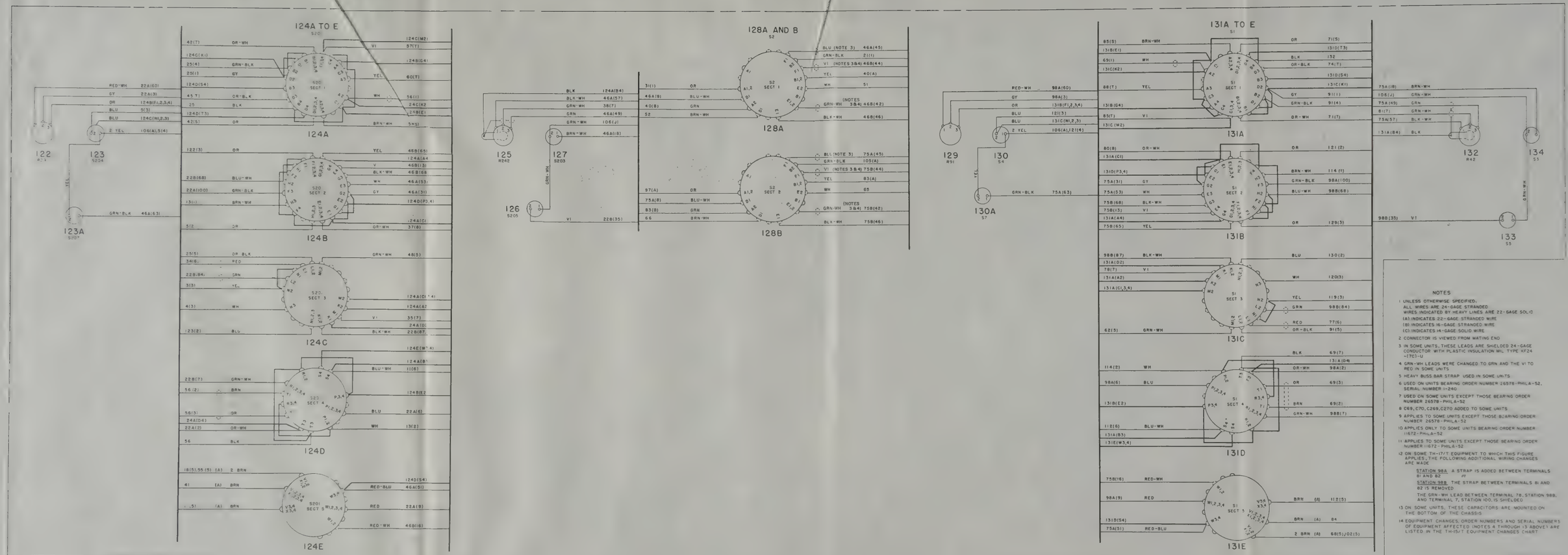


Figure 79. Telegraph Modem TH–17/T, wiring diagram (tuned secondary of discriminator transformers).

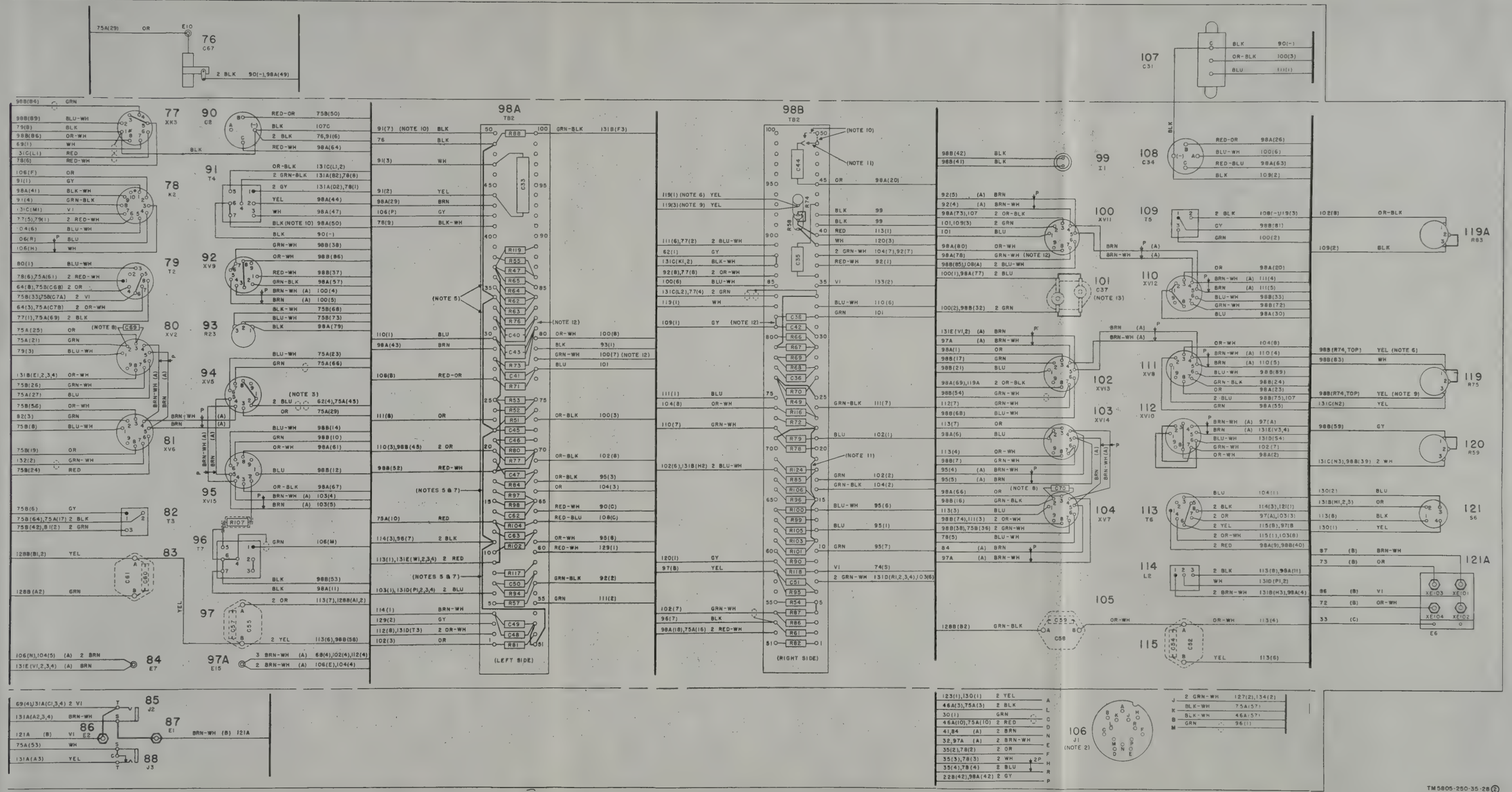


Figure 79.—Continued.

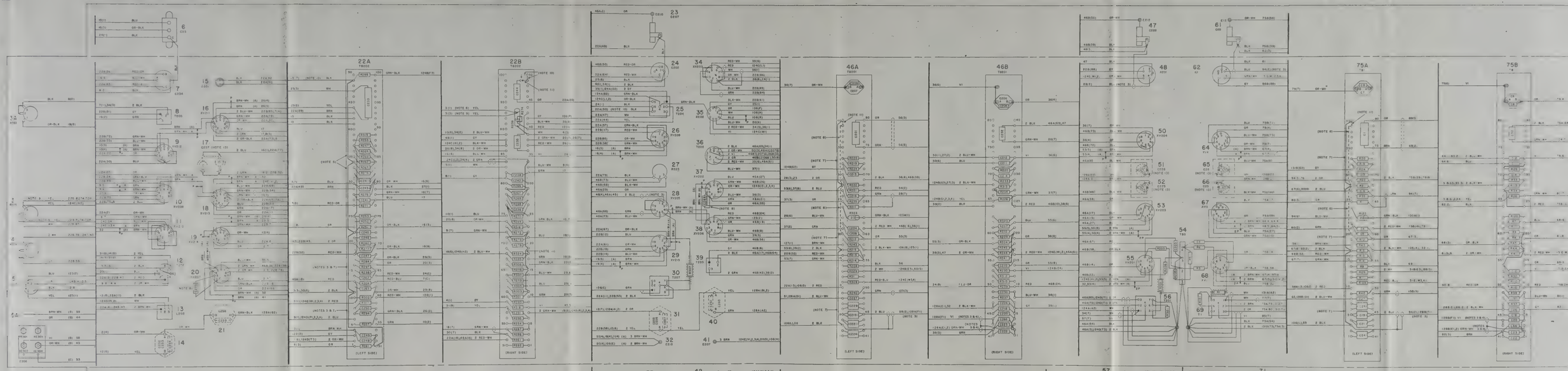


Figure 79. Telegraph Modem TH-17/T, wiring diagram (tuned secondary of discriminator transformers).

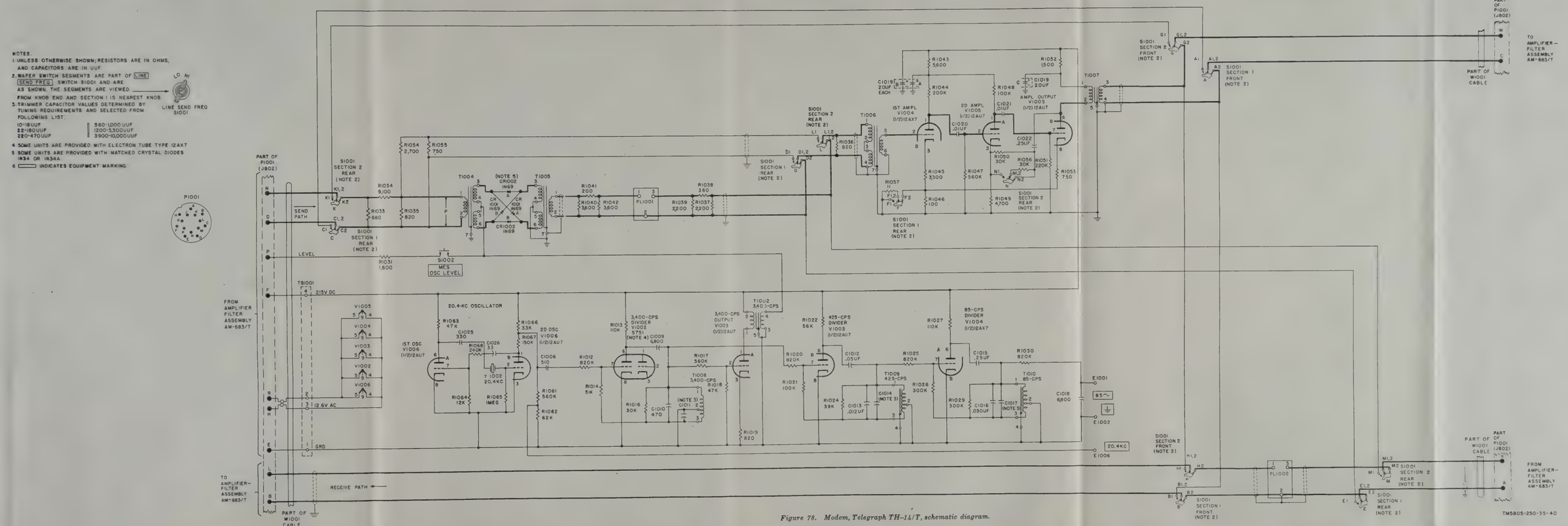
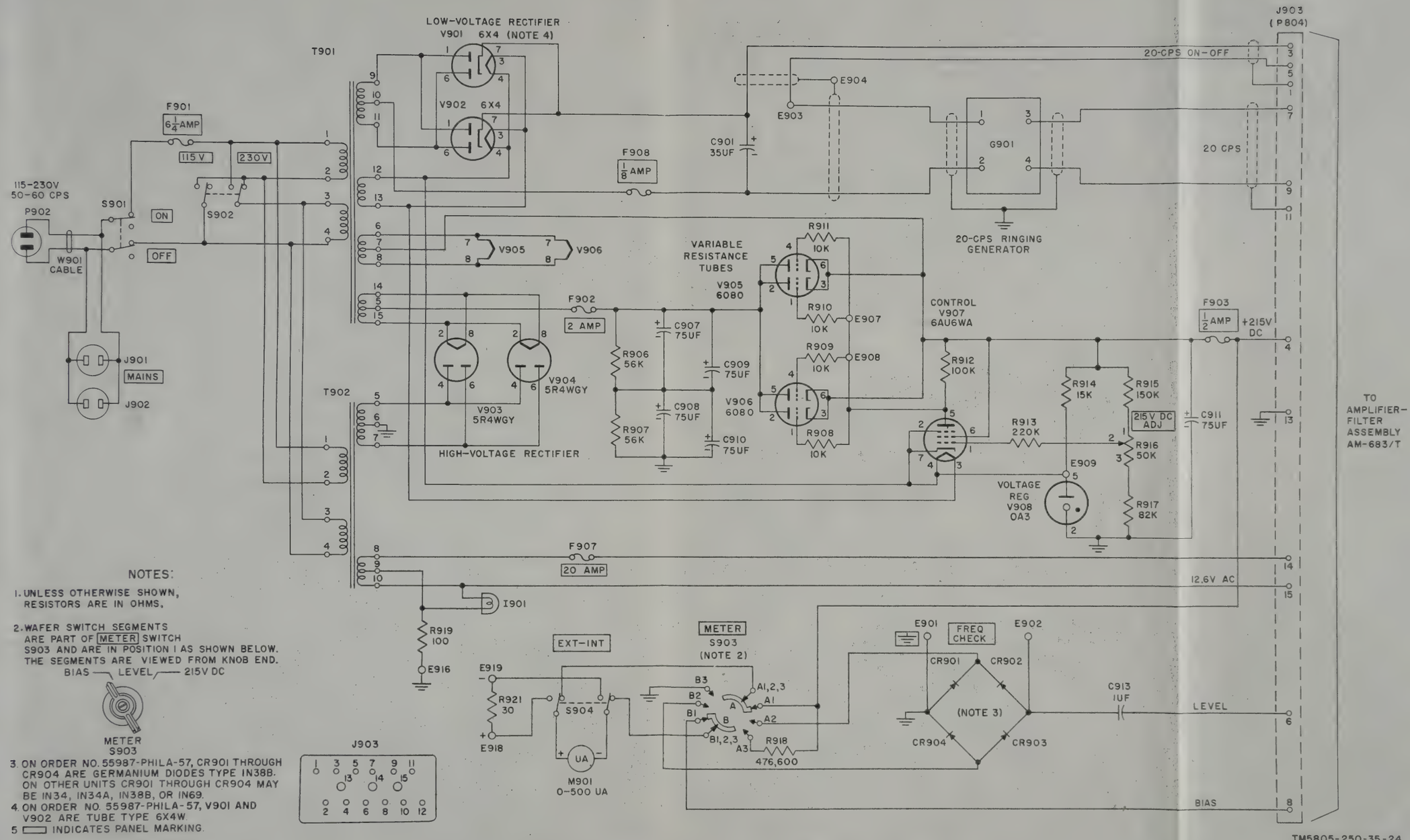


Figure 78. Modem, Telegraph TH-14/T, schematic diagram.

Figure 78.



NOTES:

1. UNLESS OTHERWISE SHOWN, RESISTORS ARE IN OHMS.
2. WAFER SWITCH SEGMENTS ARE PART OF METER SWITCH S903 AND ARE IN POSITION 1 AS SHOWN BELOW. THE SEGMENTS ARE VIEWED FROM KNOB END.

BIAS — LEVEL — 215V DC

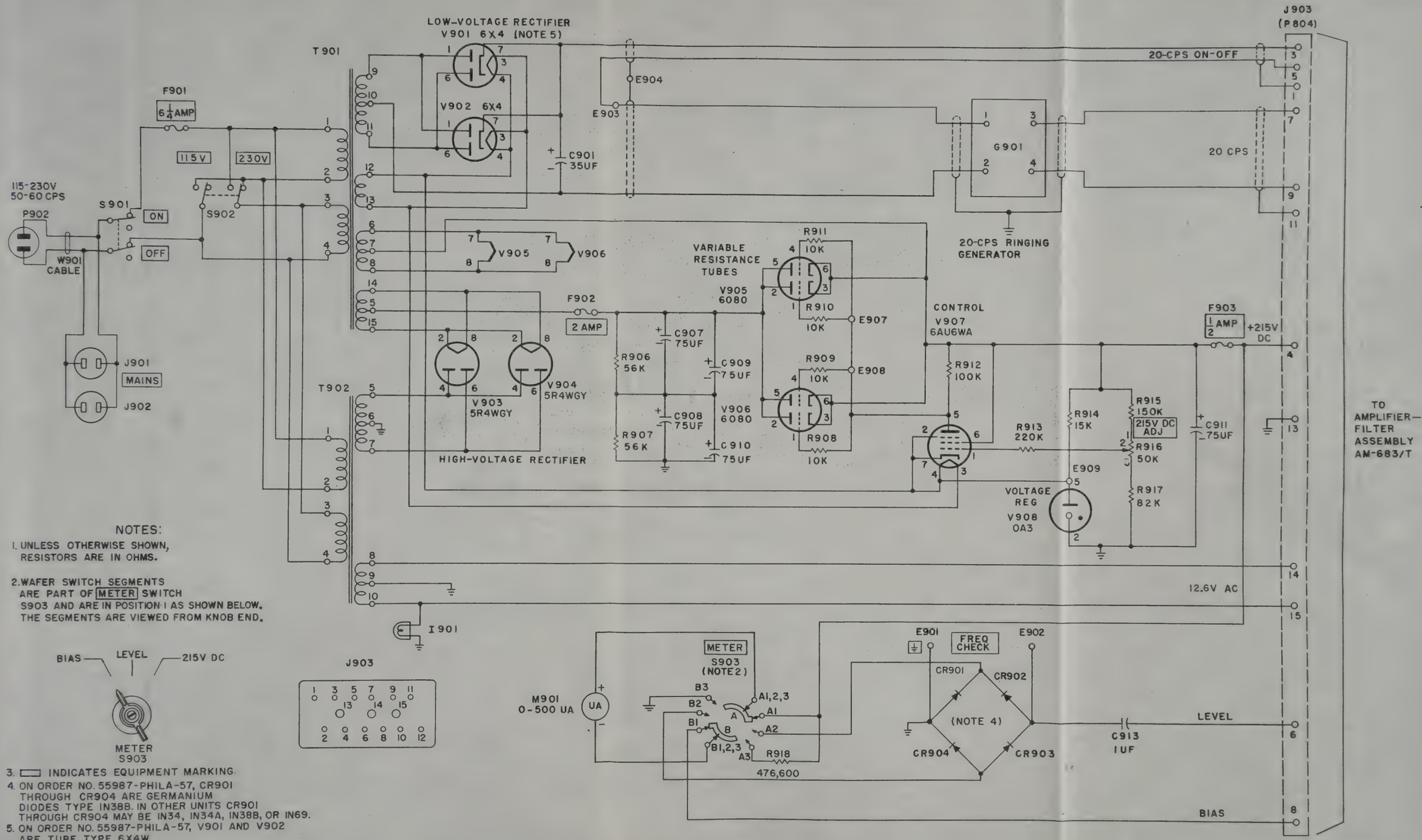
METER S903

3. ON ORDER NO. 55987-PHILA-57, CR901 THROUGH CR904 ARE GERMANIUM DIODES TYPE IN38B. ON OTHER UNITS CR901 THROUGH CR904 MAY BE IN34, IN34A, IN38B, OR IN69.
4. ON ORDER NO. 55987-PHILA-57, V901 AND V902 ARE TUBE TYPE 6X4W.
5. ▭ INDICATES PANEL MARKING.

TM5805-250-35-24

Figure 77. Power Supply-Test Set PP-812/T, schematic diagram (with circuit changes).

Figure 77.



NOTES:

1. UNLESS OTHERWISE SHOWN, RESISTORS ARE IN OHMS.
2. WAFER SWITCH SEGMENTS ARE PART OF [METER] SWITCH S903 AND ARE IN POSITION 1 AS SHOWN BELOW. THE SEGMENTS ARE VIEWED FROM KNOB END.

3. ▭ INDICATES EQUIPMENT MARKING.
4. ON ORDER NO. 55987-PHILA-57, CR901 THROUGH CR904 ARE GERMANIUM DIODES TYPE IN38B. IN OTHER UNITS CR901 THROUGH CR904 MAY BE IN34, IN34A, IN38B, OR IN69.
5. ON ORDER NO. 55987-PHILA-57, V901 AND V902 ARE TUBE TYPE 6X4W.

Figure 76. Power Supply-Test Set PP-812/T, schematic diagram (original units).

TM5805-250-35-23

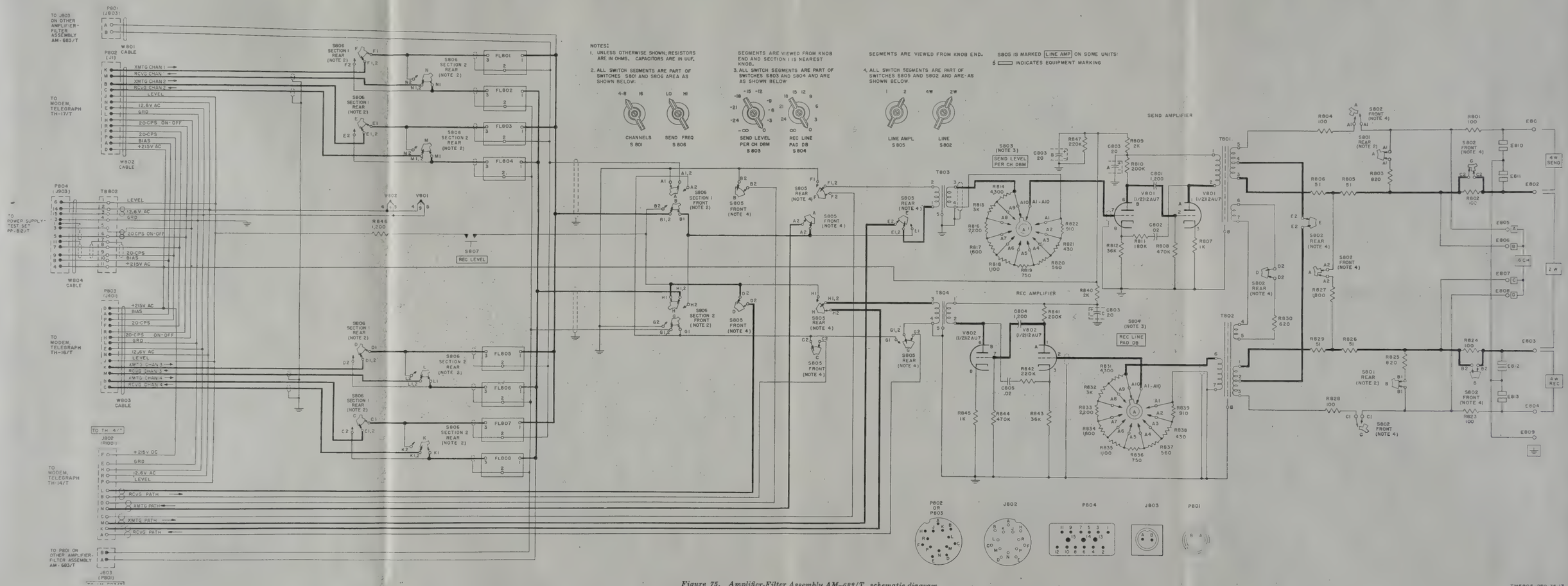


Figure 75. Amplifier-Filter Assembly AM-683/T, schematic diagram.

TM5805-250-35-17

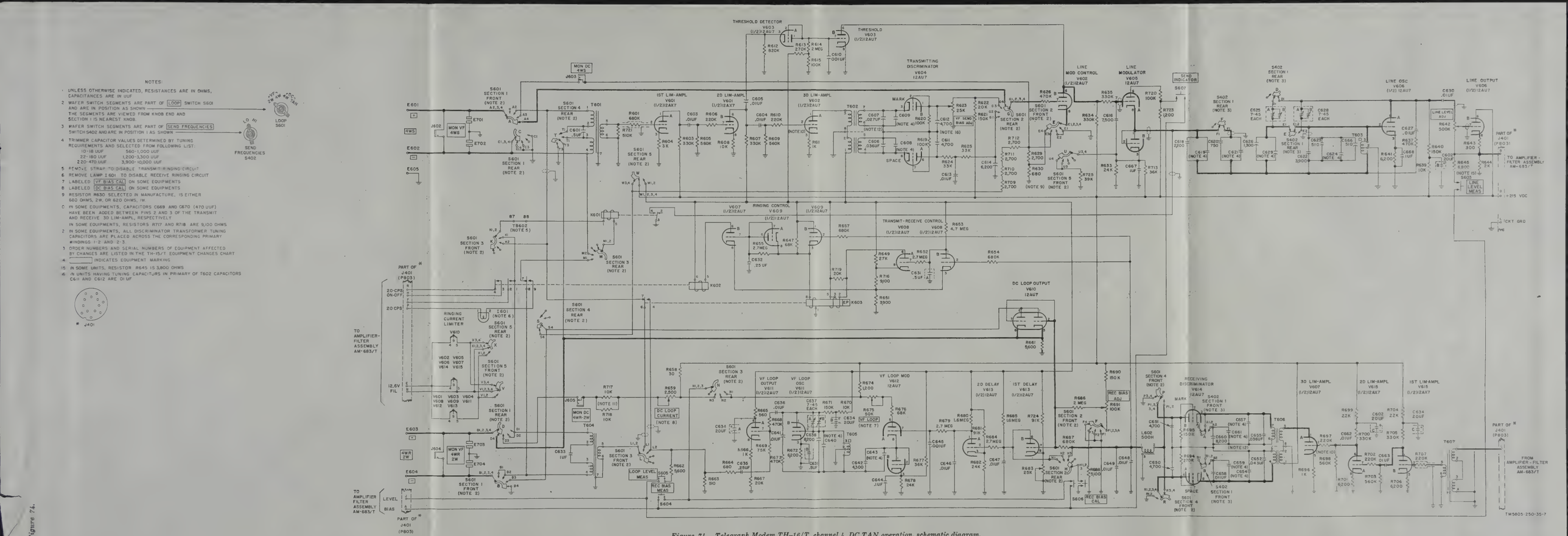


Figure 74. Telegraph Modem TH-16/T, channel 4, DC TAN operation, schematic diagram.

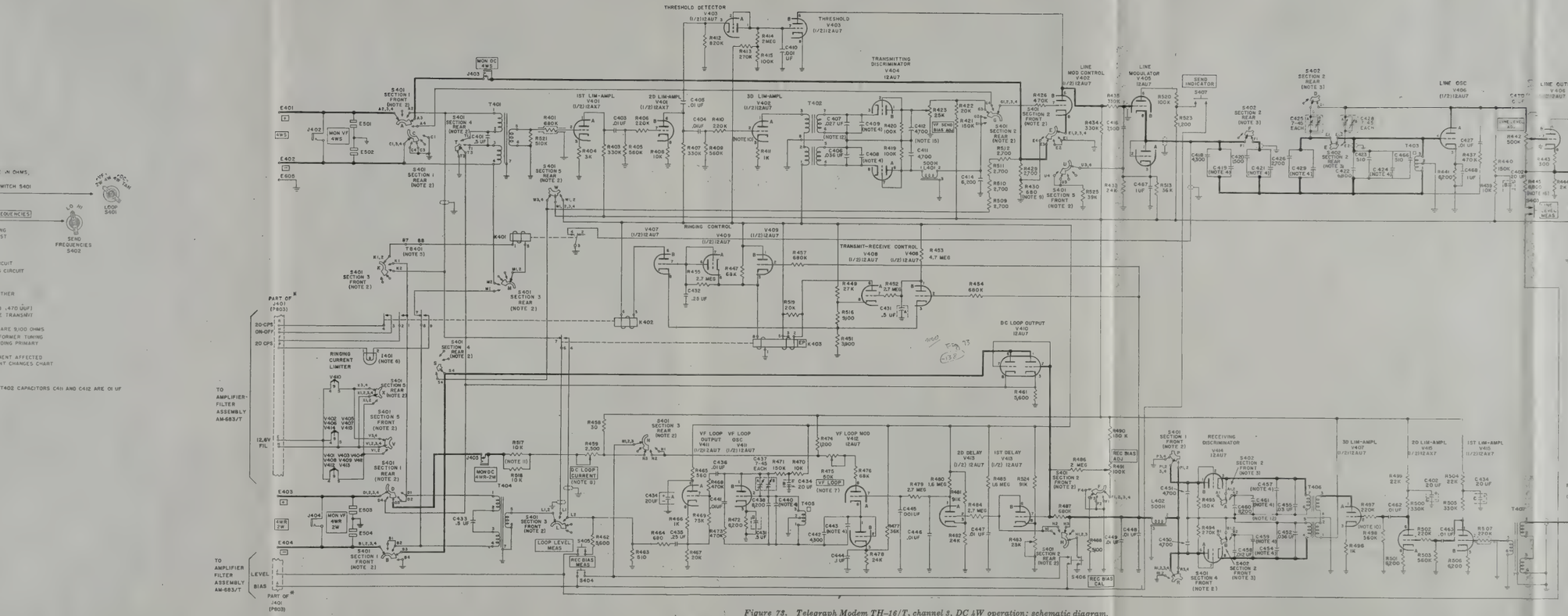


Figure 73. Telegraph Modem TH-16/T, channel 3, DC 4W operation; schematic diagram.

Figure 73.

NOTES:

1. UNLESS OTHERWISE INDICATED, RESISTANCES ARE IN OHMS, CAPACITANCES ARE IN UUF.
2. WAFER SWITCH SEGMENTS ARE PART OF [LOOP] SWITCH S201 AND ARE IN POSITION AS SHOWN — THE SEGMENTS ARE VIEWED FROM KNOB END AND SECTION IS NEAREST KNOB.
3. WAFER SWITCH SEGMENTS ARE PART OF [SEND FREQUENCIES] SWITCH S2 AND ARE IN POSITION 1 AS SHOWN
4. TRIMMER CAPACITOR VALUES DETERMINED BY TUNING REQUIREMENTS AND SELECTED FROM FOLLOWING LIST:

10-18 UUF	560-1,000 UUF
22-180 UUF	1,200-3,300 UUF
220-470 UUF	3,900-10,000 UUF

5. REMOVE STRAP TO DISABLE TRANSMIT RINGING CIRCUIT.
6. REMOVE LAMP I 201 TO DISABLE RECEIVE RINGING CIRCUIT.
7. LABELED [VF BIAS CAL] ON SOME EQUIPMENTS.
8. LABELED [DC BIAS CAL] ON SOME EQUIPMENTS.
9. RESISTOR R230 SELECTED IN MANUFACTURE, IS EITHER 680 OHMS, 2W, OR 620 OHMS, 1W
10. IN SOME EQUIPMENTS, CAPACITORS C269 AND C270 (470 UUF) HAVE BEEN ADDED BETWEEN PINS 2 AND 3 OF THE TRANSMIT AND RECEIVE 3D LIM-AMPL., RESPECTIVELY.
11. IN SOME EQUIPMENTS, RESISTORS R317 AND R318 ARE 9,100 OHMS.
12. IN SOME EQUIPMENTS, ALL DISCRIMINATOR TRANSFORMER TUNING CAPACITORS ARE PLACED across THE CORRESPONDING PRIMARY WINDINGS 1-2 AND 2-3.
13. ORDER NUMBERS AND SERIAL NUMBERS OF EQUIPMENT AFFECTED BY CHANGES ARE LISTED IN THE TH-15/T EQUIPMENT CHANGES CHART.
14. [ ] INDICATES EQUIPMENT MARKING.
15. IN SOME UNITS, RESISTOR R245 IS 3,800 OHMS.
16. IN UNITS HAVING TUNING CAPACITORS IN PRIMARY OF T202, CAPACITORS C211 AND C212 ARE .01 UF





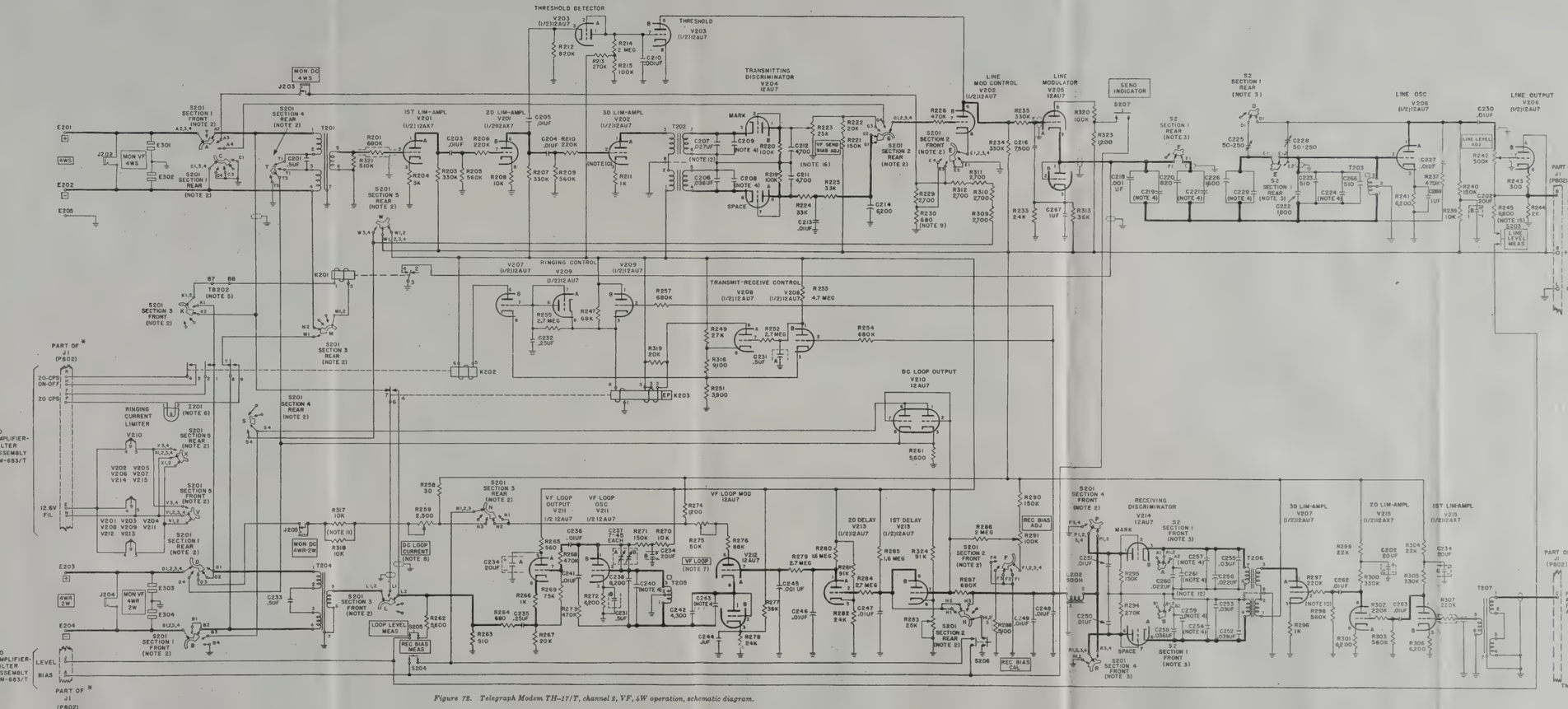


Figure 72. Telegraph Modem TH-17/T, channel 2, VF, 4W operation, schematic diagram.

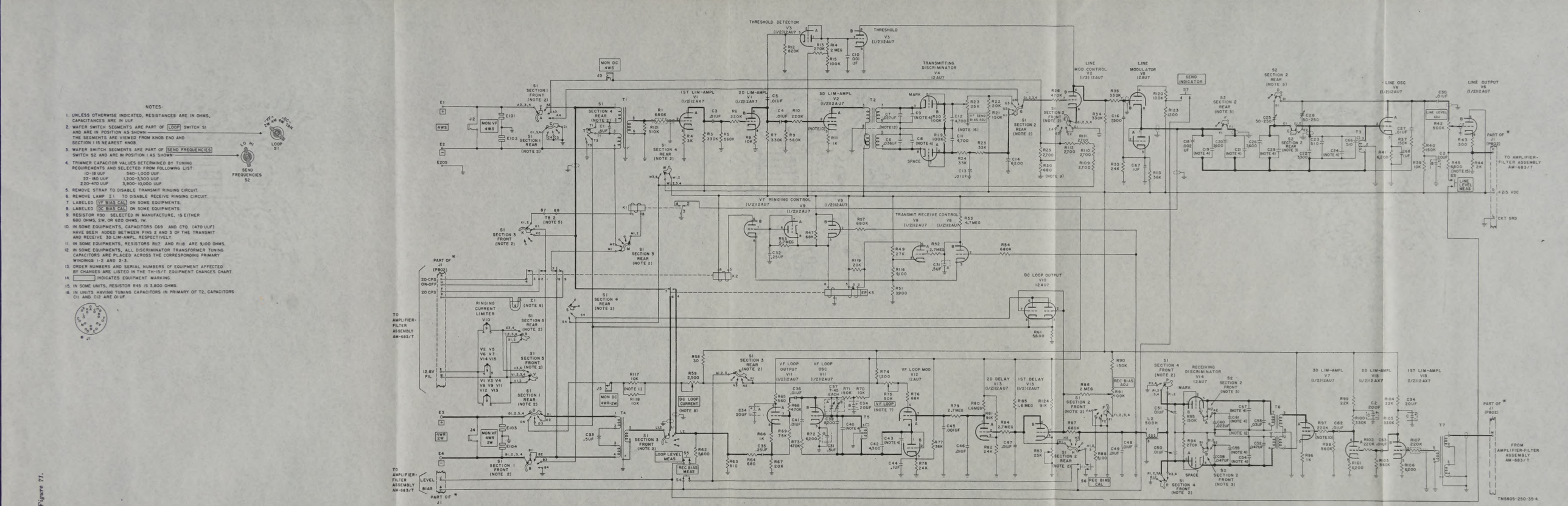
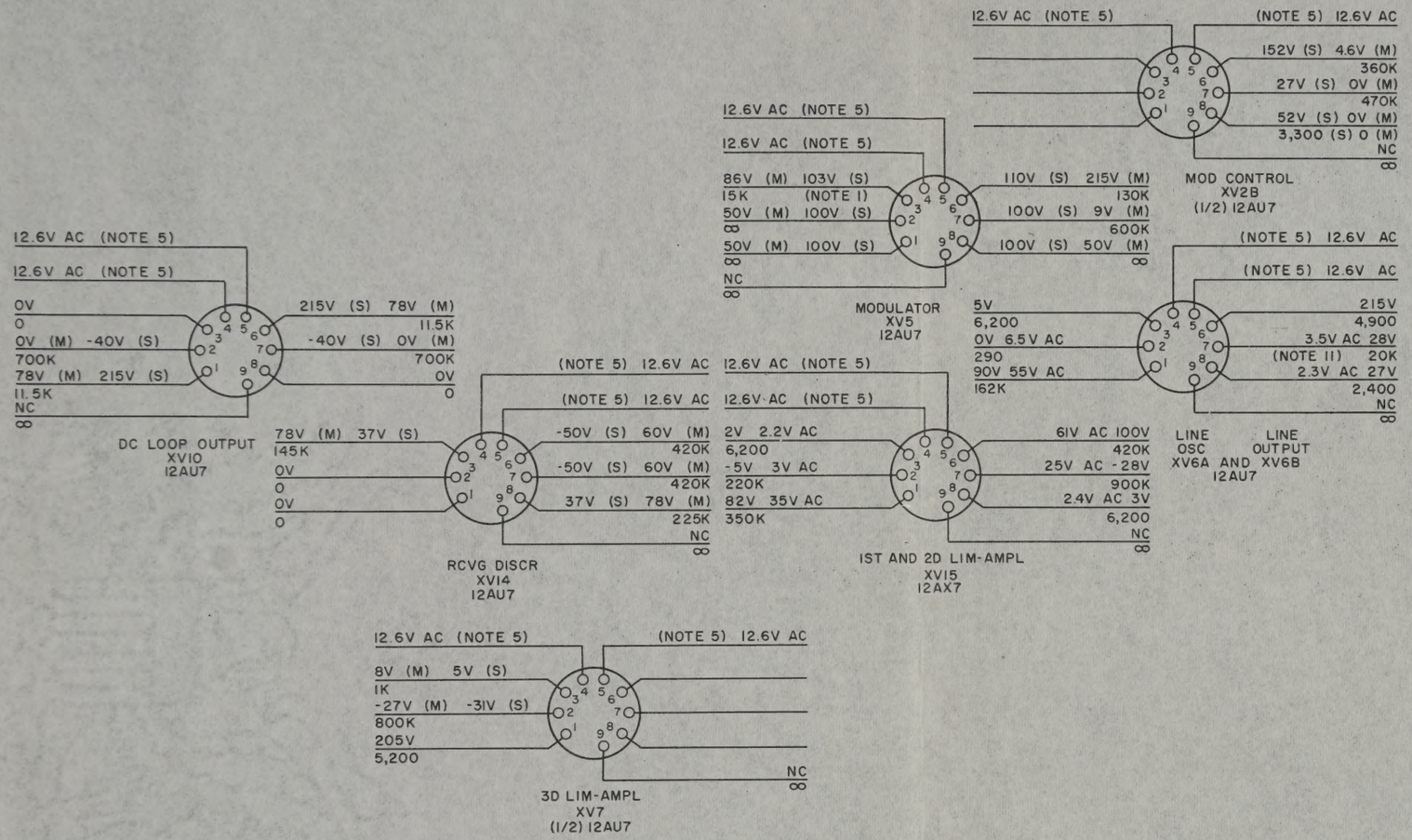


Figure 71. Telegraph Modem TH-17/T, channel 1, VF 2W operation, schematic diagram.



NOTES:

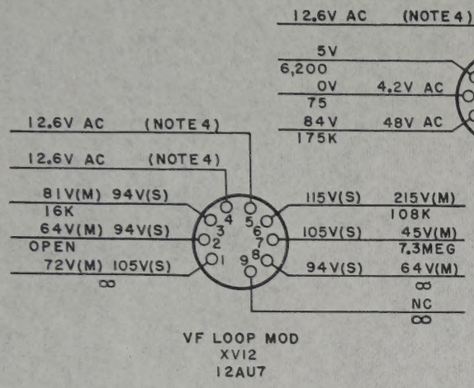
1. CHANNELS 3 AND 4: 66V(M), 80V(S), 10K.
2. LOOP SELECTOR SWITCH IS IN DC 4W POSITION.
3. SEND FREQUENCIES SWITCH IS IN LO POSITION.
4. ALL DC VOLTAGES AND RESISTANCE VALUES ARE MEASURED WITH A DC VACUUM-TUBE MULTIMETER AND ARE MEASURED TO GROUND.
5. ALL AC VOLTAGES ARE MEASURED WITH AN AC VACUUM-TUBE VOLTMETER AND ARE MEASURED TO GROUND EXCEPT FILAMENT VOLTAGES WHICH ARE MEASURED BETWEEN FILAMENT TERMINALS OF EACH TUBE SOCKET.
6. (M) IS FOR MARK CONDITION; (S) IS FOR SPACE CONDITION. IF NOT MARKED (M) OR (S), THE VALUE IS FOR BOTH MARK AND SPACE CONDITIONS.
7. RECEIVE LOOP MUST BE CLOSED.
8. SEND CIRCUITS: MARK CONDITION IS OBTAINED BY SHORTING LOOP 4WS BINDING POSTS. SPACE CONDITION IS OBTAINED WHEN 4WS LOOP IS OPEN. RECEIVE CIRCUITS: MARK OR SPACE CONDITIONS ARE OBTAINED BY APPLYING THE CHANNEL REC MARK AND SPACE FREQUENCIES AT 0 DBM LEVEL TO INPUT OF RECEIVING CIRCUIT.
9. VOLTAGE READINGS ABOVE LINE, RESISTANCE READINGS BELOW LINE.
10. ALL VOLTAGES ARE DC UNLESS OTHERWISE SPECIFIED
11. DEPENDING ON SETTING OF R42.
12. TUBE SOCKETS ARE SHOWN VIEWED FROM TOP OF THE CHASSIS.

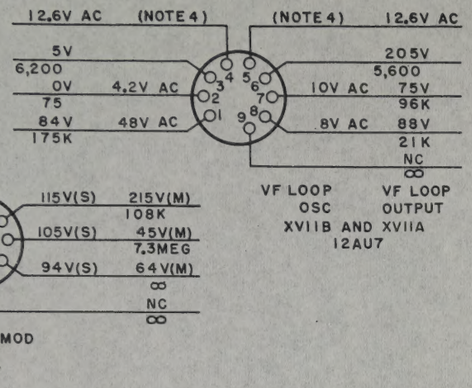
TUBE SOCKETS	PIN NO.	AC VOLTAGES	
		MARK	SPACE
V14A AND V14B	3	74V	27V
	6	37V	67V
	7	37V	67V
	8	56V	110V
V7A	1	85V	120V
	2	42V	42V
	3	6V	6V
V5A AND V5B	1	24V	0V
	2	24V	0V
	8	24V	0V

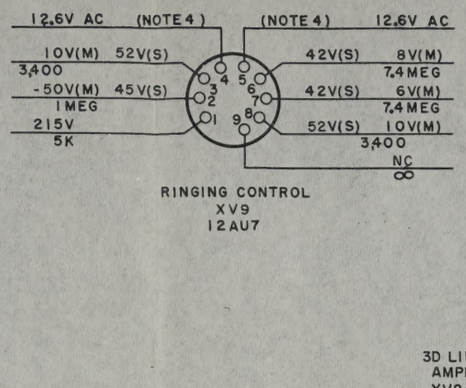
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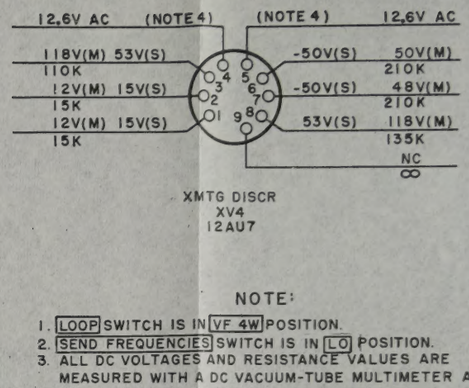
Figure 70. Telegraph Modem TH–17/T, DC 4W operation, tube socket voltage and resistance diagram.

Figure 70.



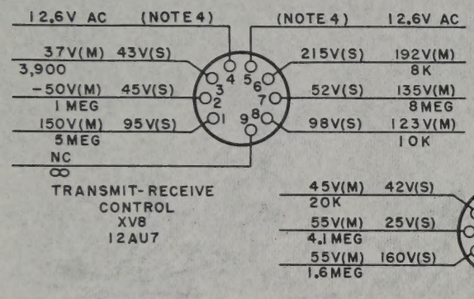


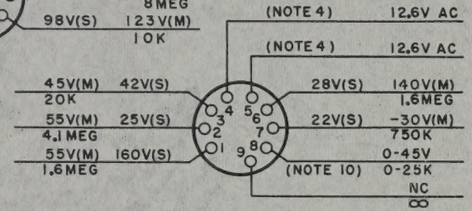


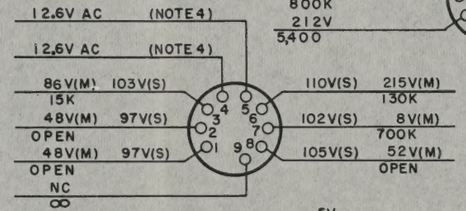


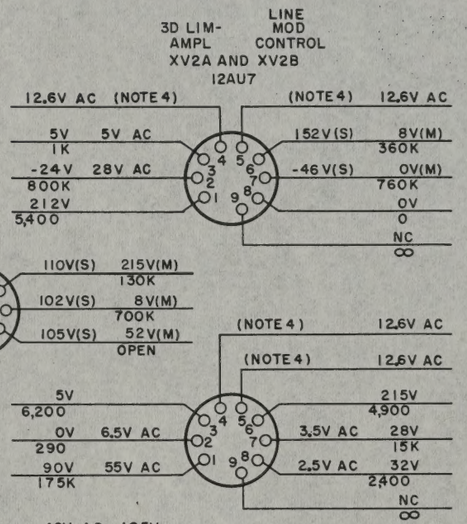
NOTE:

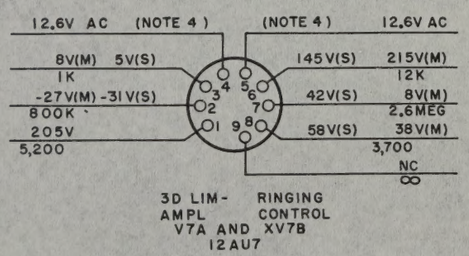
1. LOOP SWITCH IS IN VF 4W POSITION.
2. SEND FREQUENCIES SWITCH IS IN LO POSITION.
3. ALL DC VOLTAGES AND RESISTANCE VALUES ARE MEASURED WITH A DC VACUUM-TUBE MULTIMETER AND ARE MEASURED TO GROUND.
4. AC VOLTAGES ARE MEASURED WITH AN AC VACUUM-TUBE VOLTMETER AND ARE MEASURED TO GROUND EXCEPT FILAMENT VOLTAGES WHICH ARE MEASURED BETWEEN FILAMENT TERMINALS OF EACH TUBE SOCKET.
5. (M) IS FOR MARK CONDITION; (S) IS FOR SPACE CONDITION. IF NOT MARKED (M) OR (S), THE VALUE IS FOR BOTH MARK AND SPACE CONDITION.
6. SEND CIRCUITS: MARK OR SPACE CONDITIONS ARE OBTAINED BY APPLYING RESPECTIVE LOOP SIGNAL TO 4WS BINDING POSTS.
7. RECEIVE CIRCUITS: MARK OR SPACE CONDITIONS ARE OBTAINED BY APPLYING RESPECTIVE CHANNEL SIGNAL AT 0 DBM LEVEL TO INPUT OF RECEIVING CIRCUIT.
8. VOLTAGE READINGS ABOVE LINE, RESISTANCE READINGS BELOW LINE.
9. ALL VOLTAGES ARE DC UNLESS OTHERWISE SPECIFIED.
10. DEPENDING ON SETTING OF R83.
11. TUBE SOCKETS ARE SHOWN AS VIEWED FROM TOP OF THE CHASSIS.

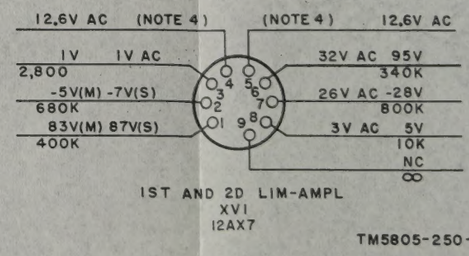












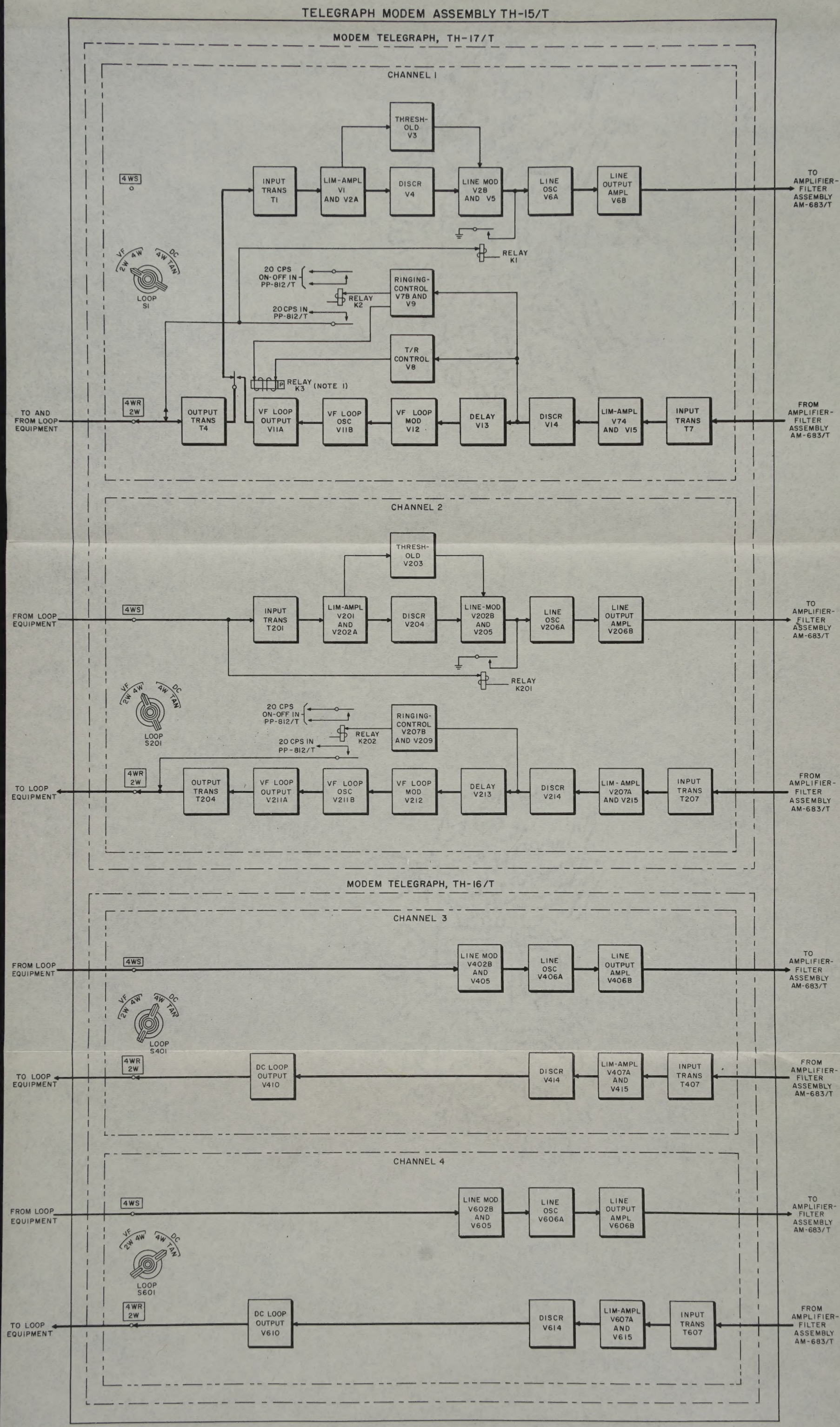
TM5805-250-35-32

TUBE SOCKET	PIN NO.	AC VOLTAGES MARK	AC VOLTAGES SPACE
V14A AND V14B	1	44V	55V
	2	44V	55V
	3	105V	42V
	8	45V	95V
V7A	1	85V	110V
	2	40V	40V
	3	8V	6V
V5A AND V5B	1	25V	0V
	2	25V	0V
	6	4.3V	0V
	8	25V	0V
V2A AND V2B	1	120V	125V
	6	0V	5V
V3B	6	0V	5V
V1A	1	45V	45V
	2	8V	8V
V12A AND V12B	1	4.4V	4.4V
	2	4.4V	4.4V
	8	4.4V	4.4V
V4A AND V4B	1	12V	15V
	2	10V	10V
	3	90V	35V
	6	21V	26V
	7	21V	26V
	8	78V	105V

Figure 69. Telegraph Modem TH-17/T, VF 4W operation, tube socket voltage and resistance diagram.

Figure 69.

Figure 68.



NOTES:

1. FOR VF 2W LOOP OPERATION, RELAY K3 CONNECTS OUTPUT TRANSFORMER T4 TO INPUT TRANSFORMER T1 WHEN NO SIGNAL IS RECEIVED FROM DISTANT TERMINAL. RELAY K3 CONNECTS OUTPUT TRANSFORMER T4 TO VF LOOP OUTPUT V11A WHEN SIGNAL IS RECEIVED FROM DISTANT TERMINAL.
2. ALL CHANNELS ARE IDENTICAL FOR EACH TYPE OF OPERATION EXCEPT FOR DIFFERENCES IN CARRIER FREQUENCIES AND COMPONENT REFERENCE NUMBERS.

TM5805-250-35-1

Figure 68. Telegraph Modem TH–15/T, block diagram.