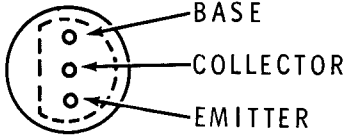
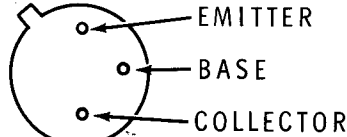
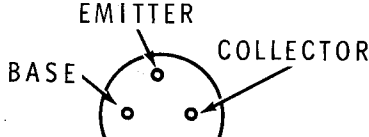
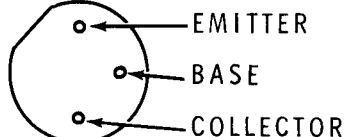
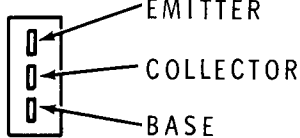
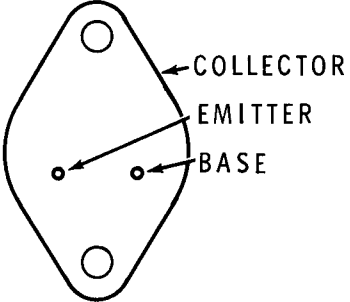
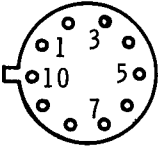

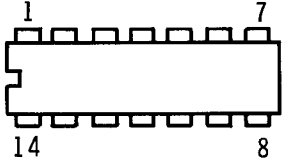
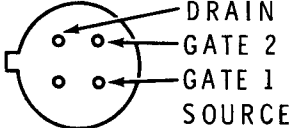
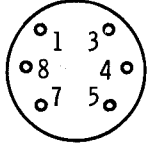
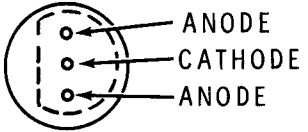
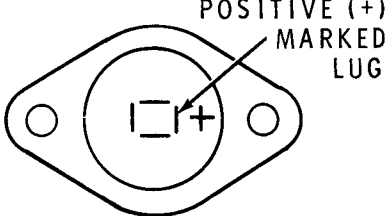
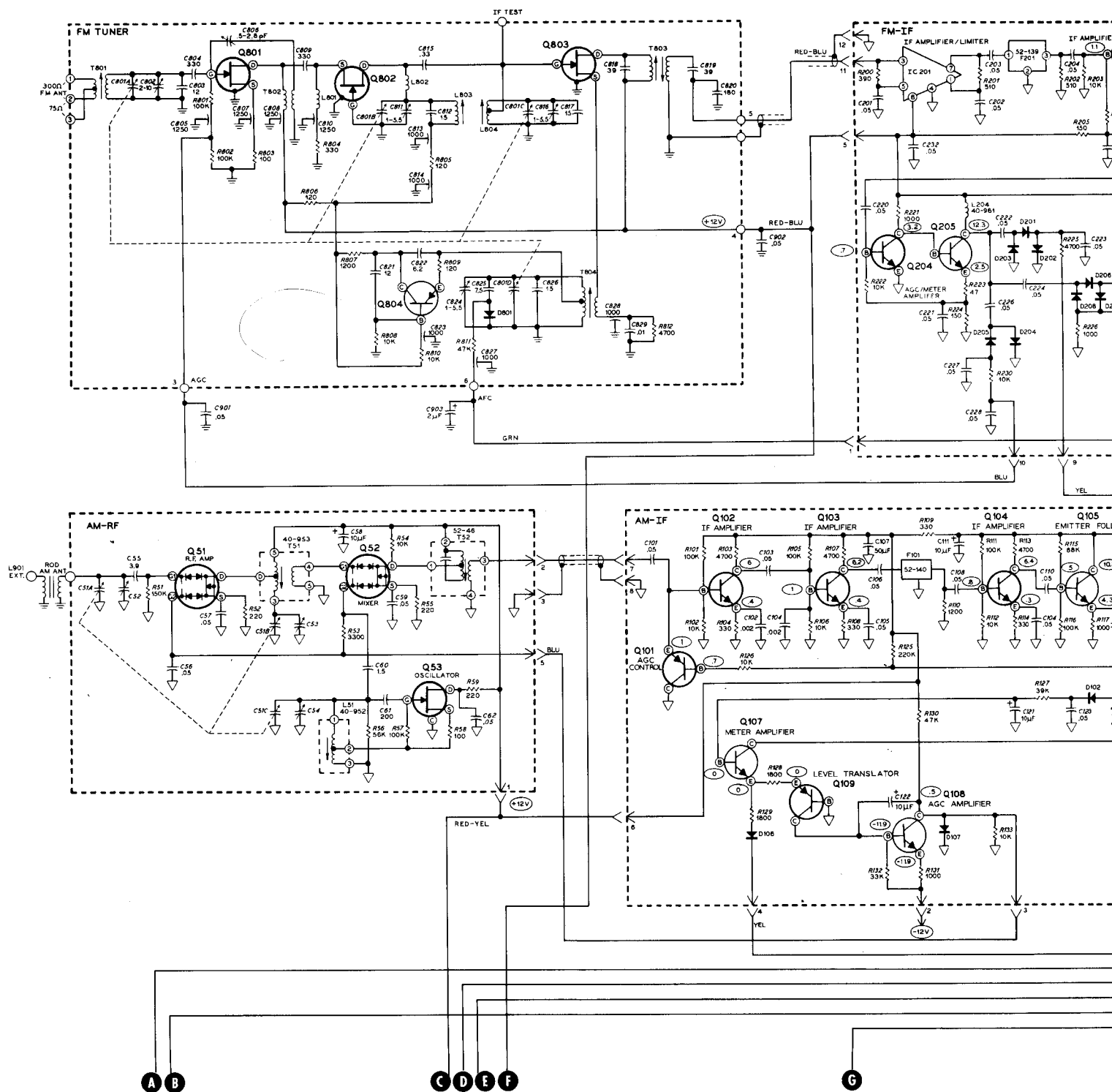
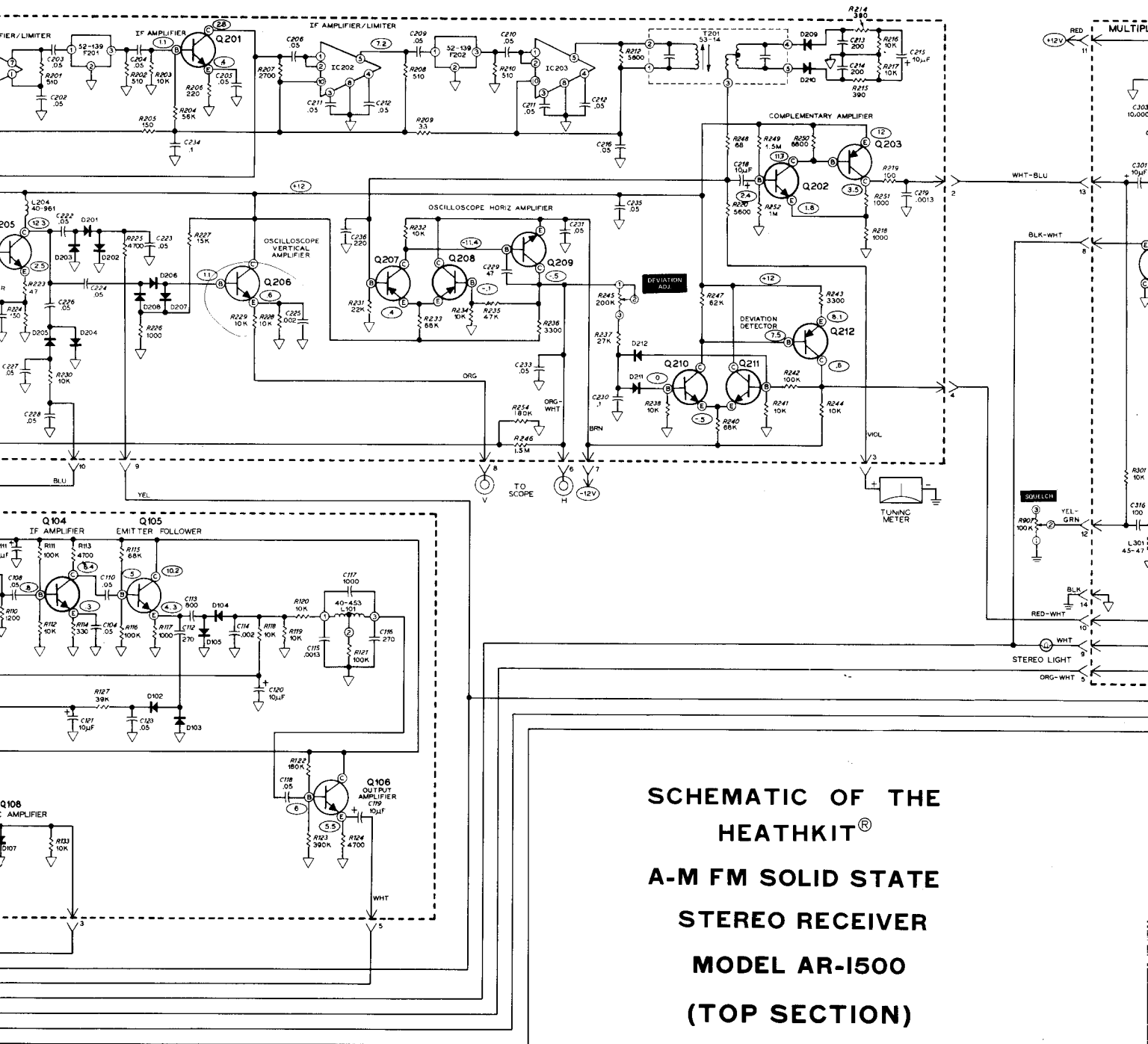


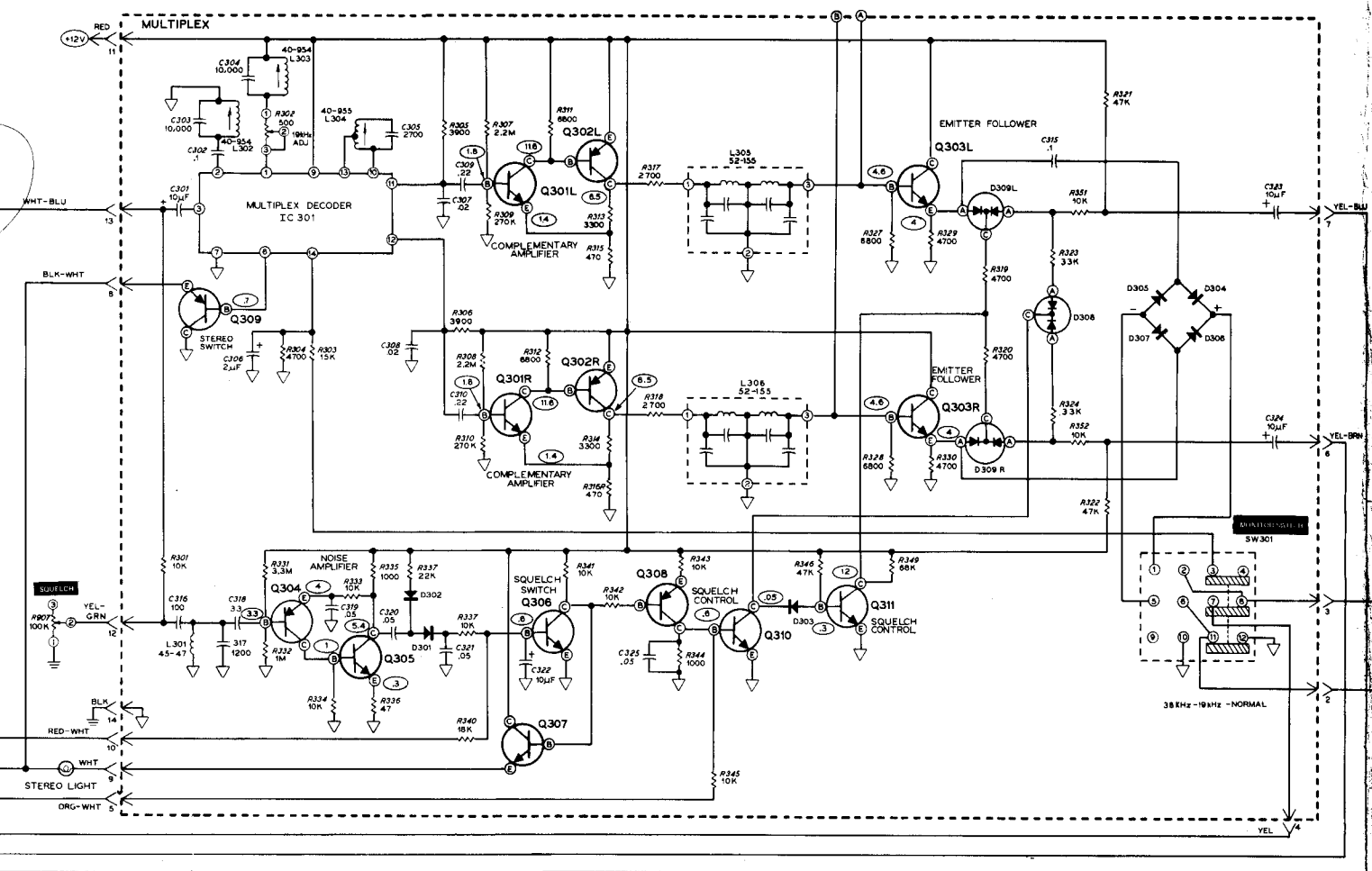
## IDENTIFICATION CHARTS

SCHEMATIC Q NUMBER	HEATH PART NUMBER	MANUFACTURER'S NUMBER	BASING (VIEWED FROM LEAD SIDE)
Q1, Q4, Q104, Q105, Q106, Q107, Q108, Q206, Q209, Q210, Q211, Q303L, Q303R, Q305, Q306, Q307, Q310, Q311, Q708	417-118	2N3393	
Q101, Q109, Q203, Q207, Q208, Q212, Q302L, Q302R, Q304, Q308, Q309, Q709	417-201	X29A829	
Q102, Q103, Q202, Q501L, Q501R	417-218	TZ1160	
Q204, Q205	417-83	L842	
Q301L, Q301R, Q401L, Q403L, Q401R, Q403R, Q502L, Q502R	417-213	2N5249A	
Q402L, Q404L, Q402R, Q404R, Q701, Q702	417-221	TZ582	
Q601L, Q601R	417-222	2N5308	
Q703	417-136	40408	
Q201	417-258	T1011	
Q2, Q5	417-110	S2090	
Q3	417-175	2N5294	
Q6	417-203	TA7311	
Q704	417-264	SJE608	
Q705	417-263	SJE607	

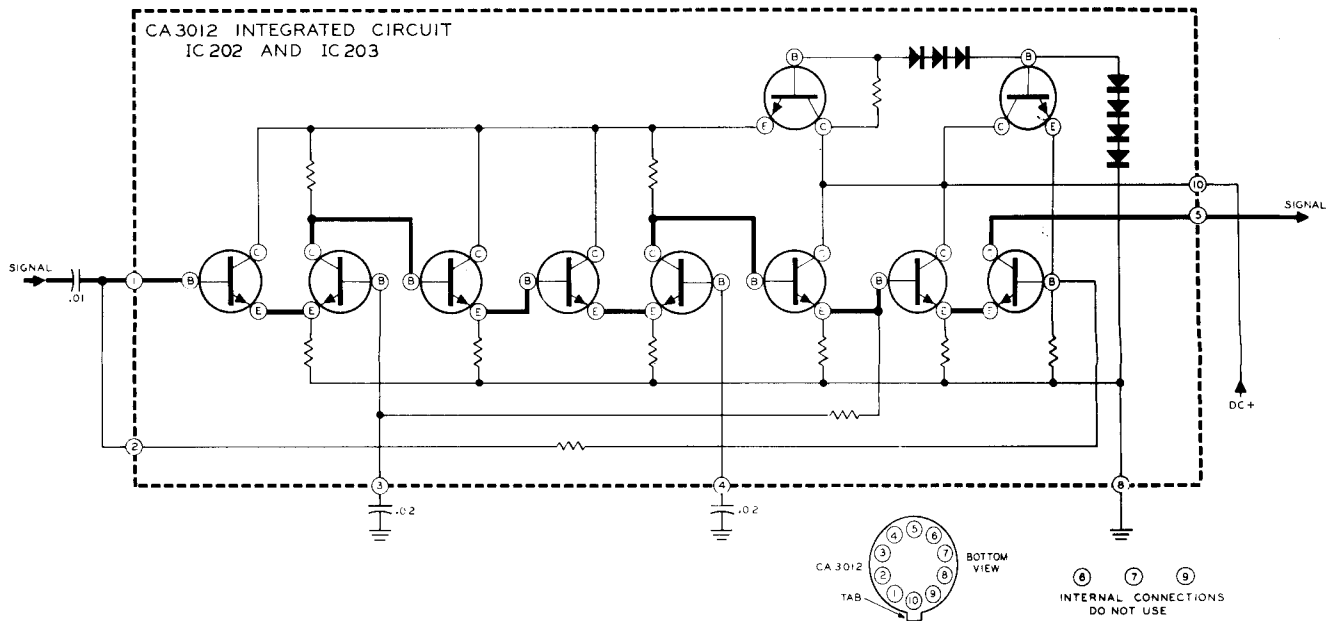
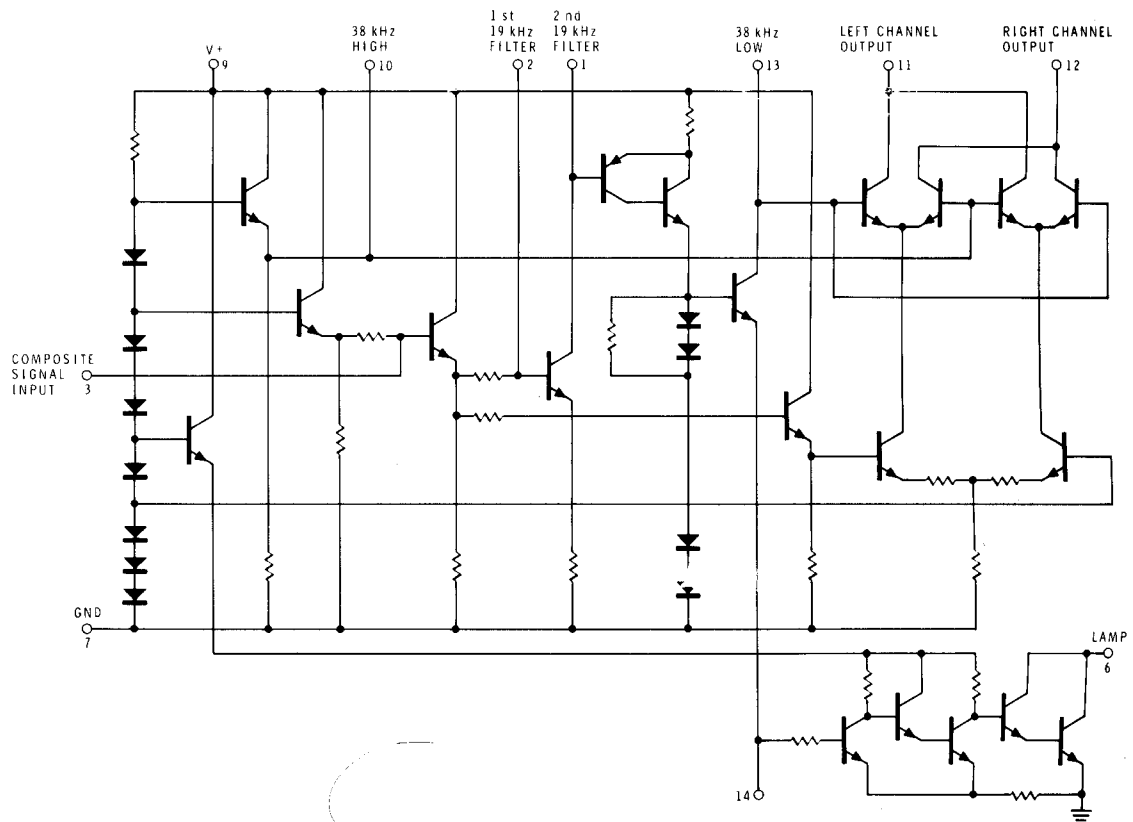
SCHEMATIC Q NUMBER	HEATH PART NUMBER	MANUFACTURER'S NUMBER	BASING (VIEWED FROM LEAD SIDE)
Q706, Q707	417-254	MJ802	
IC202, IC203	417-123	CA3012	
Q53	417-167	UC734	
IC301	442-16	MC1307P	
Q51, Q52	417-240	40673	
IC20	442-20	UA703	
D308, D309L, D309R	56-35	1N4951	
BR-901	57-67	1N2071	







## MC1307P CIRCUIT SCHEMATIC



## NOTES

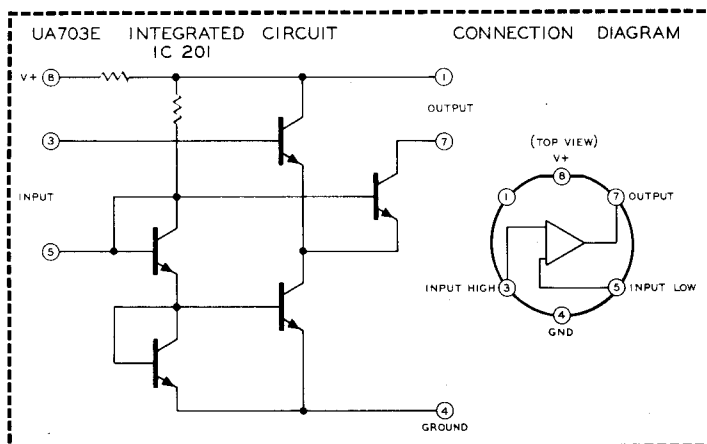
1. RESISTOR AND CAPACITOR NUMBERS ARE IN THE FOLLOWING GROUPS:

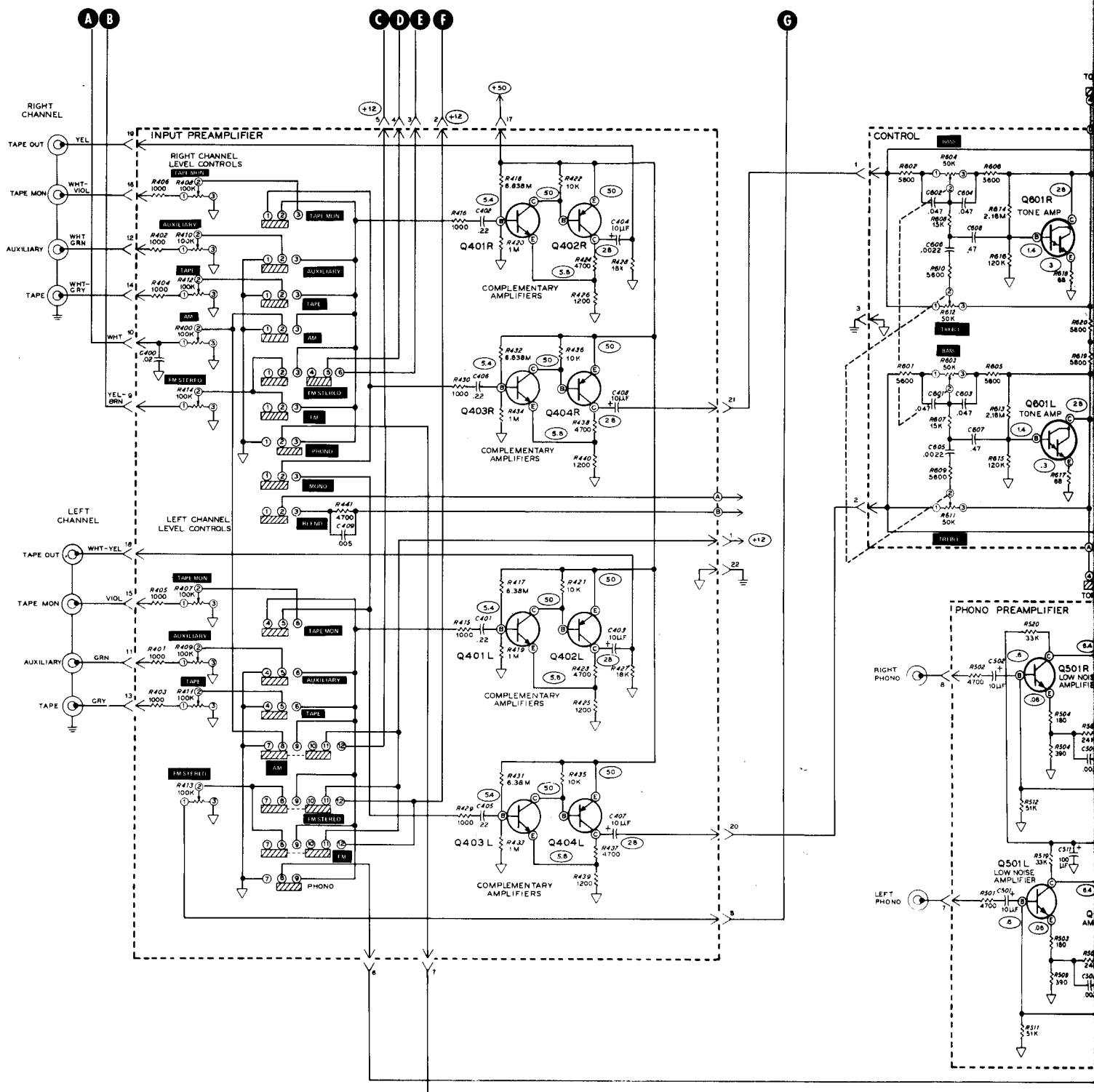
0-49	PARTS ON THE POWER SUPPLY CIRCUIT BOARD.
50-99	PARTS ON THE A-M RF CIRCUIT BOARD.
100-199	PARTS ON THE A-M I-F CIRCUIT BOARD.
200-299	PARTS ON THE FM I-F CIRCUIT BOARD.
300-399	PARTS ON THE MULTIPLEX CIRCUIT BOARD.
400-499	PARTS ON THE INPUT PREAMP CIRCUIT BOARD.
500-599	PARTS ON THE PHONO PREAMP CIRCUIT BOARD.
600-699	PARTS ON THE CONTROL CIRCUIT BOARD.
700-799	PARTS ON THE OUTPUT AMPLIFIER CIRCUIT BOARD.
800-899	PARTS ON THE FM TUNER.
900-999	PARTS ON THE CHASSIS.

2. RESISTORS AND CAPACITORS IN THE AUDIO CIRCUITS ARE DIVIDED AS FOLLOWS:

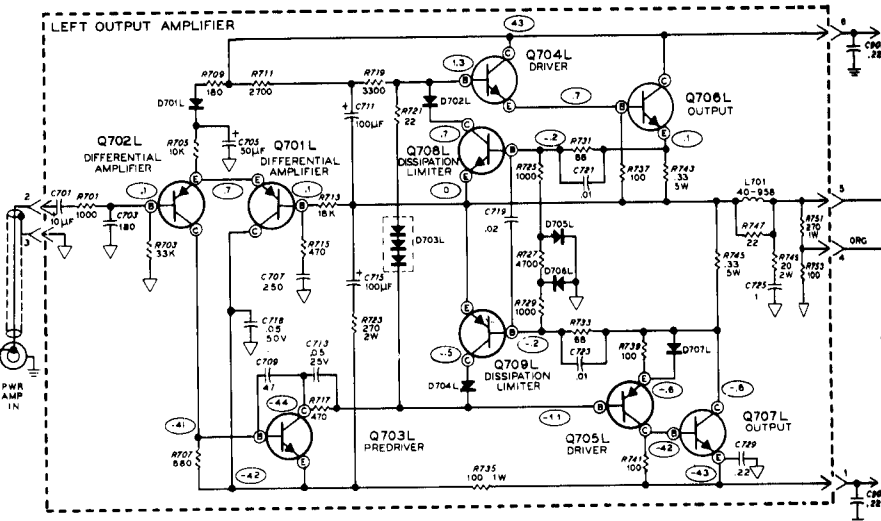
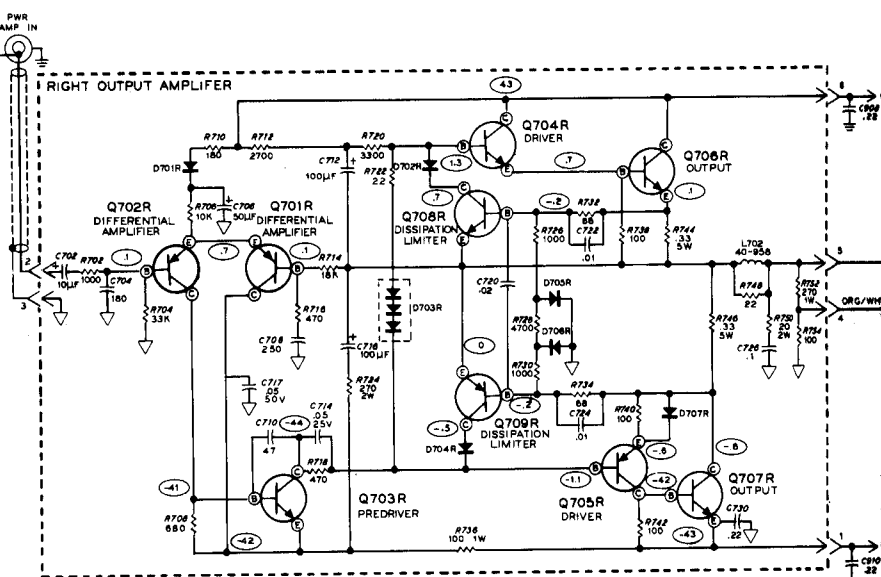
ODD NUMBERS ARE IN THE LEFT CHANNEL CIRCUIT.  
EVEN NUMBERS ARE IN THE RIGHT CHANNEL CIRCUIT.

3. REFER TO THE CHASSIS PHOTOGRAPHS AND CIRCUIT BOARD X-RAY VIEWS FOR THE PHYSICAL LOCATION OF PARTS.
4. ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS (K=1000, M=1,000,000).
5. ALL CAPACITOR VALUES LESS THAN 1 ARE IN  $\mu\text{F}$ . ALL CAPACITOR VALUES OF 1 OR ABOVE ARE IN PF UNLESS MARKED OTHERWISE.
6. THE SWITCHES ARE SHOWN WITH THE RECEIVER IN THE PHONO POSITION.
7. DC VOLTAGE MEASUREMENTS WERE TAKEN WITH A HIGH IMPEDANCE INPUT VOLTMETER FROM THE POINT INDICATED TO THE CHASSIS GROUND. VOLTAGES MAY VARY  $\pm 20\%$ . LINE VOLTAGE 120 VAC.
8. FM MULTIPLEX CIRCUIT VOLTAGE READINGS WERE MADE WITH THE FM PUSHBUTTON IN THE "ON" POSITION. A-M CIRCUIT VOLTAGE READINGS WERE MADE WITH THE A-M PUSHBUTTON IN THE "ON" POSITION.
9. ALL VOLTAGE READINGS WERE MADE UNDER NO SIGNAL CONDITIONS AND MAY VARY WITH A SIGNAL APPLIED.
10. ○ THIS SYMBOL INDICATES A DC VOLTAGE UNDER NO SIGNAL CONDITIONS.
11. ▽ THIS SYMBOL INDICATES CIRCUIT BOARD GROUND.
12. ≡ THIS SYMBOL INDICATES CHASSIS GROUND.
13. << THIS SYMBOL INDICATES A CIRCUIT BOARD CONNECTOR.
14. (A) THIS SYMBOL WITH A LETTER IN IT INDICATES A WIRE CONNECTED TO THE CIRCUIT BOARD.









## AR-1500 SCHEMATIC

