

- NOTES:
1. ■ INDICATES A PLUG BOARD CONNECTOR PIN.
  2. □ INDICATES A SOLDERED WIRE CONNECTION ON CIRCUIT BOARDS AND SWITCH-BOARDS.
  3. ▽ INDICATES A CIRCUIT BOARD AND SWITCH-BOARD GROUND.
  4. ≡ INDICATES CHASSIS GROUND.
  5. \* INDICATES A REAR PANEL CONNECTOR.
  6. ● INDICATES A TEST POINT.
  7. \*\* INDICATES A CONNECTION FOR PHYSICAL SUPPORT ONLY.
  8. ○ INDICATES A VOLTAGE MEASURED WHEN THE FUNCTION SWITCH IS IN THE "OPERATE" POSITION.
  9. ◇ INDICATES A VOLTAGE MEASURED WHEN THE FUNCTION SWITCH IS IN THE "STANDBY" POSITION.
  10. ALL VOLTAGES WERE MEASURED WITH AN 11 MEGOHM VTVM FROM THE POINT INDICATED TO CHASSIS GROUND. VOLTAGES MAY VARY ±20%.
  11. VOLTAGES TAKEN WITH SWITCHES AND CONTROLS IN THE FOLLOWING POSITIONS:

SWITCH OR CONTROL FUNCTION	POSITION
PRESELECTOR	SEE NOTES 8 AND 9. (100 KHZ FOR MEASUREMENTS IN CALIBRATOR CIRCUIT.)
BAND	ANY.
MODE	ANY EXCEPT RTTY. (IN "RTTY" POSITION FOR MEASUREMENTS ON RTTY BOARD).
AGC	OFF.
RF GAIN	FULLY CLOCKWISE
AF GAIN	POWER ON-AF GAIN ANY POSITION.
CONVERTER	HF
RF ATTENUATOR	FULLY CLOCKWISE.

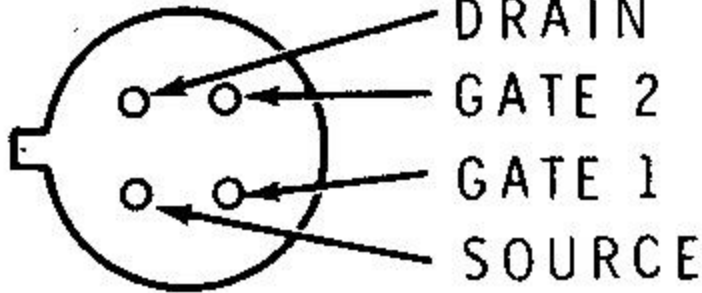

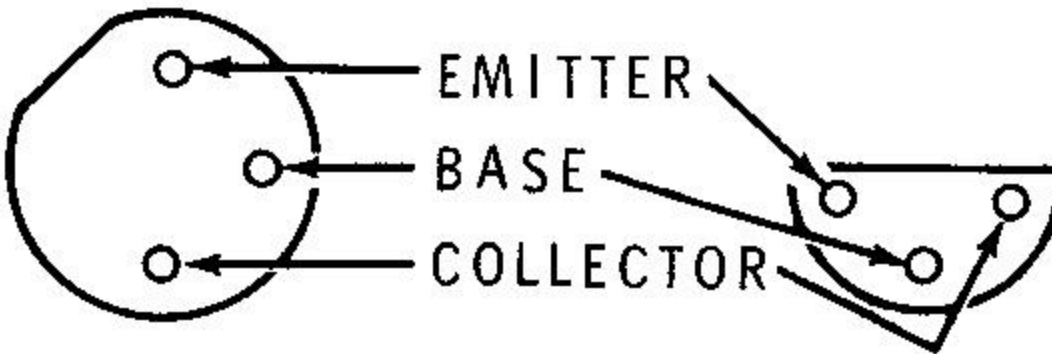
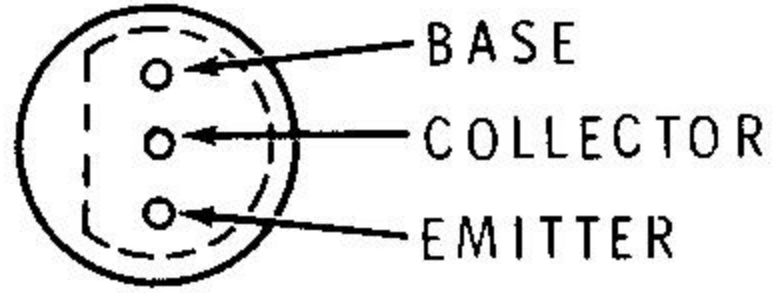
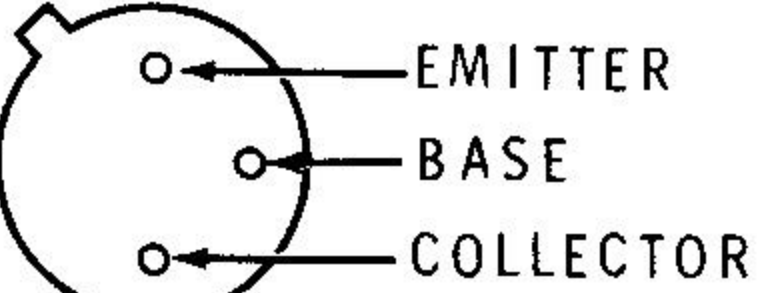
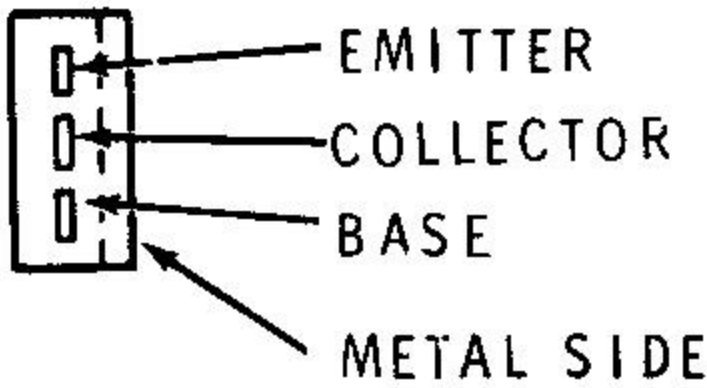
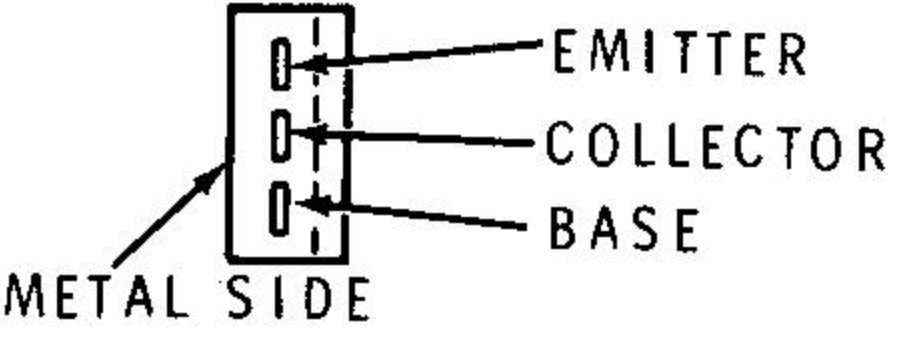
12. ALL RESISTORS ARE 1/2 WATT 10% UNLESS OTHERWISE SPECIFIED.
13. ALL CAPACITOR VALUES LARGER THAN 1.0 ARE IN PF UNLESS OTHERWISE SPECIFIED. CAPACITOR VALUES LESS THAN 1.0 ARE IN UF.
14. ALL SWITCHES SHOWN IN THE FULLY COUNTERCLOCKWISE POSITION VIEWED FROM THE KNOB END.
15. THE DOT ON SWITCH ROTORS BS-2F, BS-2R, MS-2F, AND MS-2R INDICATES CONNECTION FROM THE REAR ROTOR TO THE FRONT ROTOR.
16. ◀ THIS SYMBOL INDICATES A CLOCKWISE ROTATION OF CONTROL THE KNOB END OF THE SHAFT OR ACCESSIBLE SIDE.

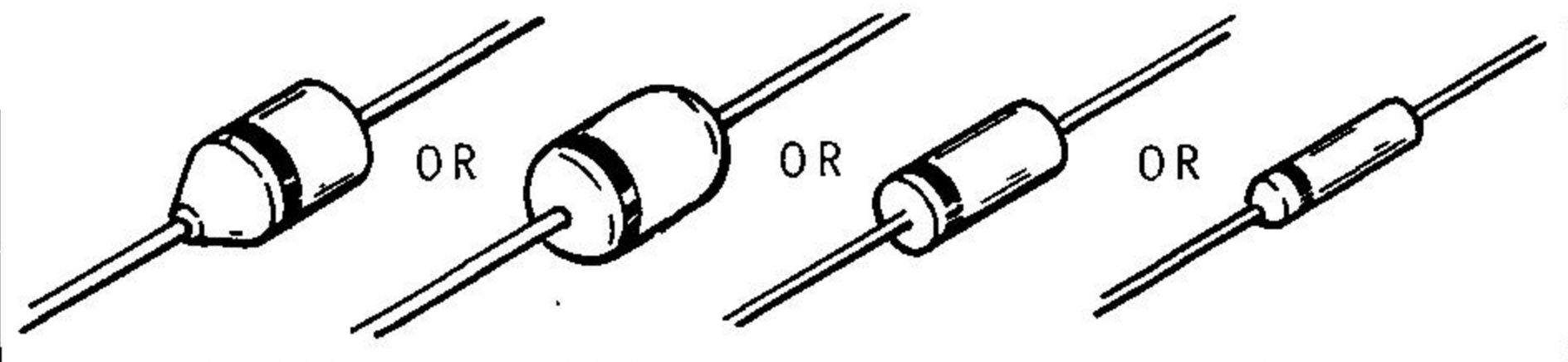






# BASING DIAGRAMS

COMPONENT	HEATH PART NUMBER	MAY BE REPLACED WITH	BASE DIAGRAM (BOTTOM VIEW)
Q101, Q203, Q204, Q501	417-274	RCA 40673	
Q102	417-105	FAIRCHILD SE-5023	
Q201, Q202, Q502, Q503	417-171	FAIRCHILD 2N3694	
Q301, Q302, Q303, Q504, Q505, Q506, Q507, Q508	417-118	G. E. OR T. I. 2N3393	
Q604 Q606 Q607	417-91	G. E. OR T. I. 2N5232A	
Q601, Q602, Q605	417-85	G. E. E844	
Q509	417-100	RCA 2N3053	
Q603	417-175	RCA OR T. I. 2N5294	
Q511	417-145	MOT. MJE-371	
MOTOROLA MATCHED PAIR			
Q512	417-144	MOT. MJE-512	

COMPONENT	HEATH PART NUMBER	MAY BE REPLACED WITH	BASE DIAGRAM (BOTTOM VIEW)
D101, D201 D202, D501 D502, D503 D504, D509 D512, D601 D701	56-56	1N4149	
D505, D506 D507, D508	56-26-1	1N191	
D511	56-33	1N3754	<p data-bbox="1815 899 2792 991">NOTE: HEATH PART NUMBERS ARE STAMPED ON MOST DIODES.</p> 
D602, D603, D604, D605	57-27	1N2071	
D513	56-61	G. E. STB-620	
ZD601, ZD602, ZD301	56-67	VR-10A	
IC601	443-8	MOT. MC724P	