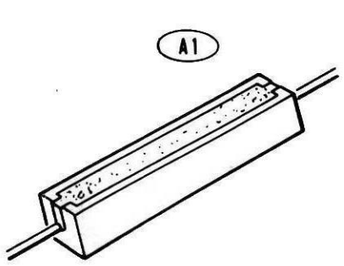
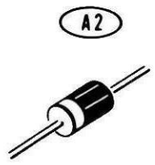
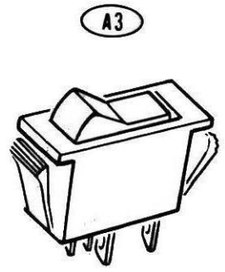
Part of 595-2241-02

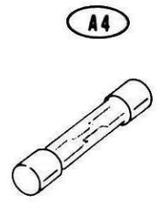
ILLUSTRATION BOOKLET

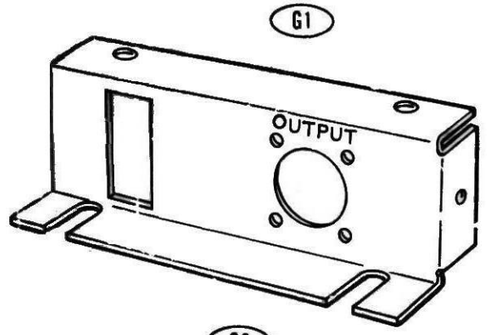
CHASSIS ASSEMBLY PARTS PICTORIAL

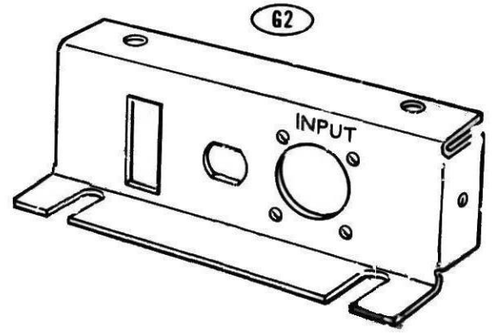


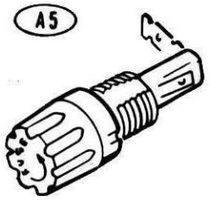


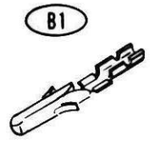


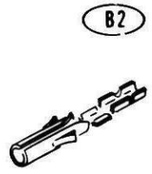


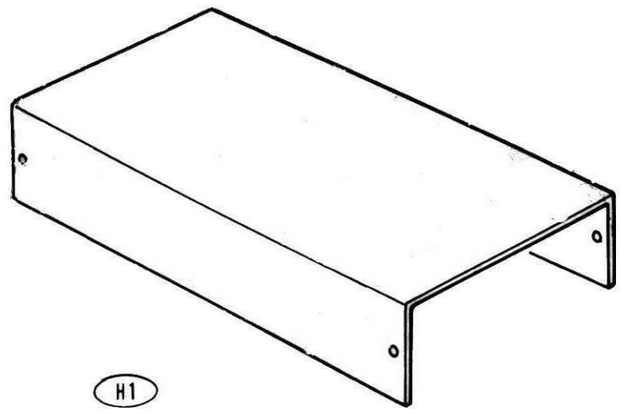


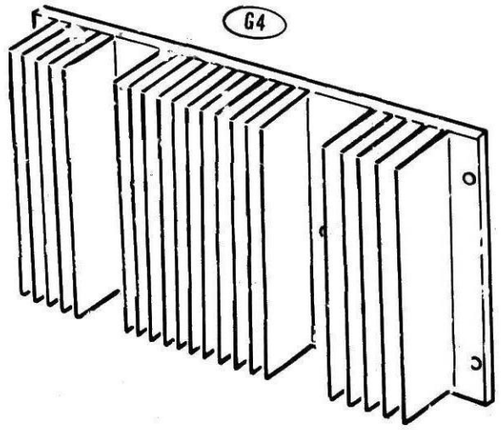


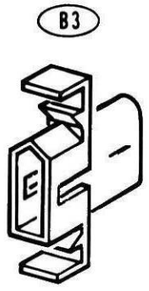


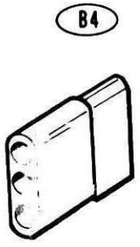


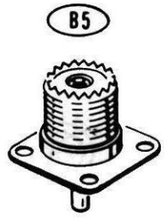


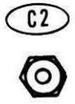


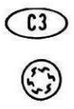


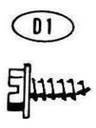


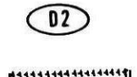


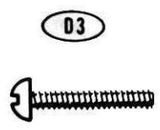


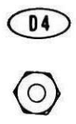


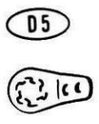


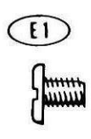


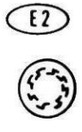


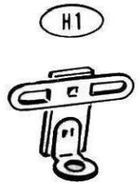


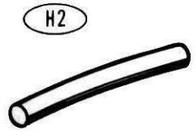


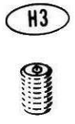


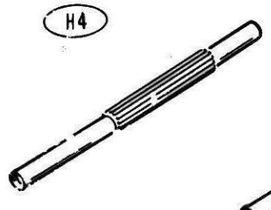


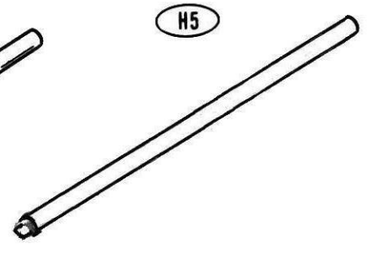


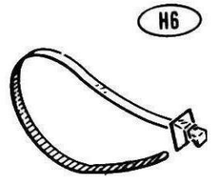


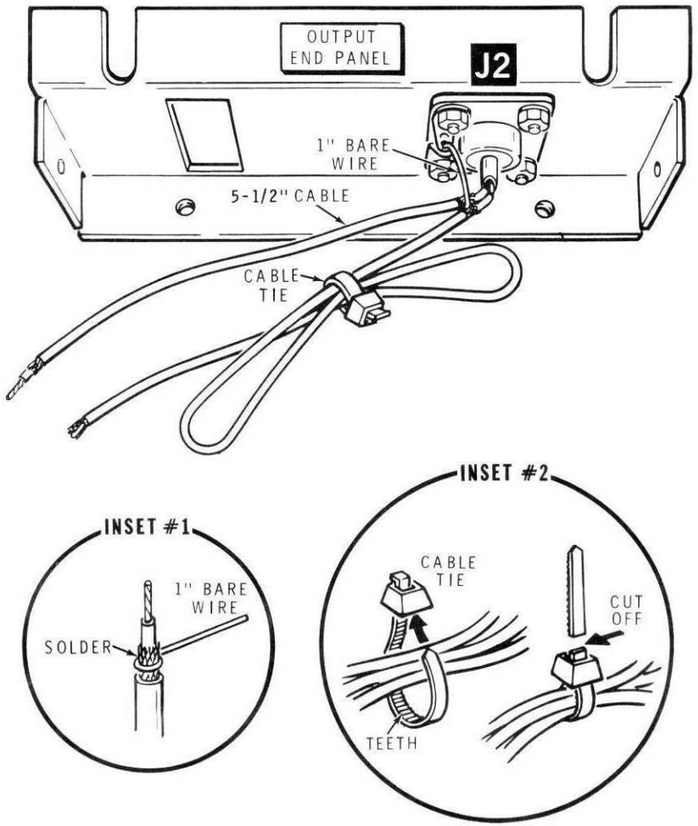




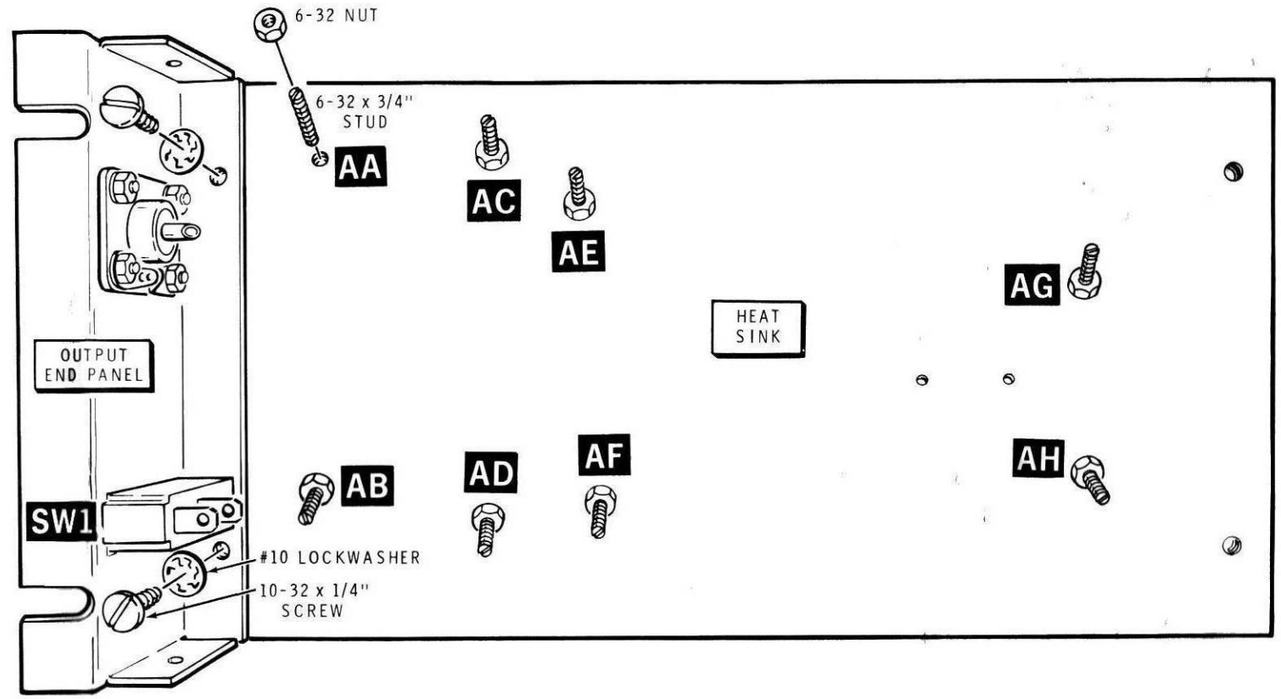






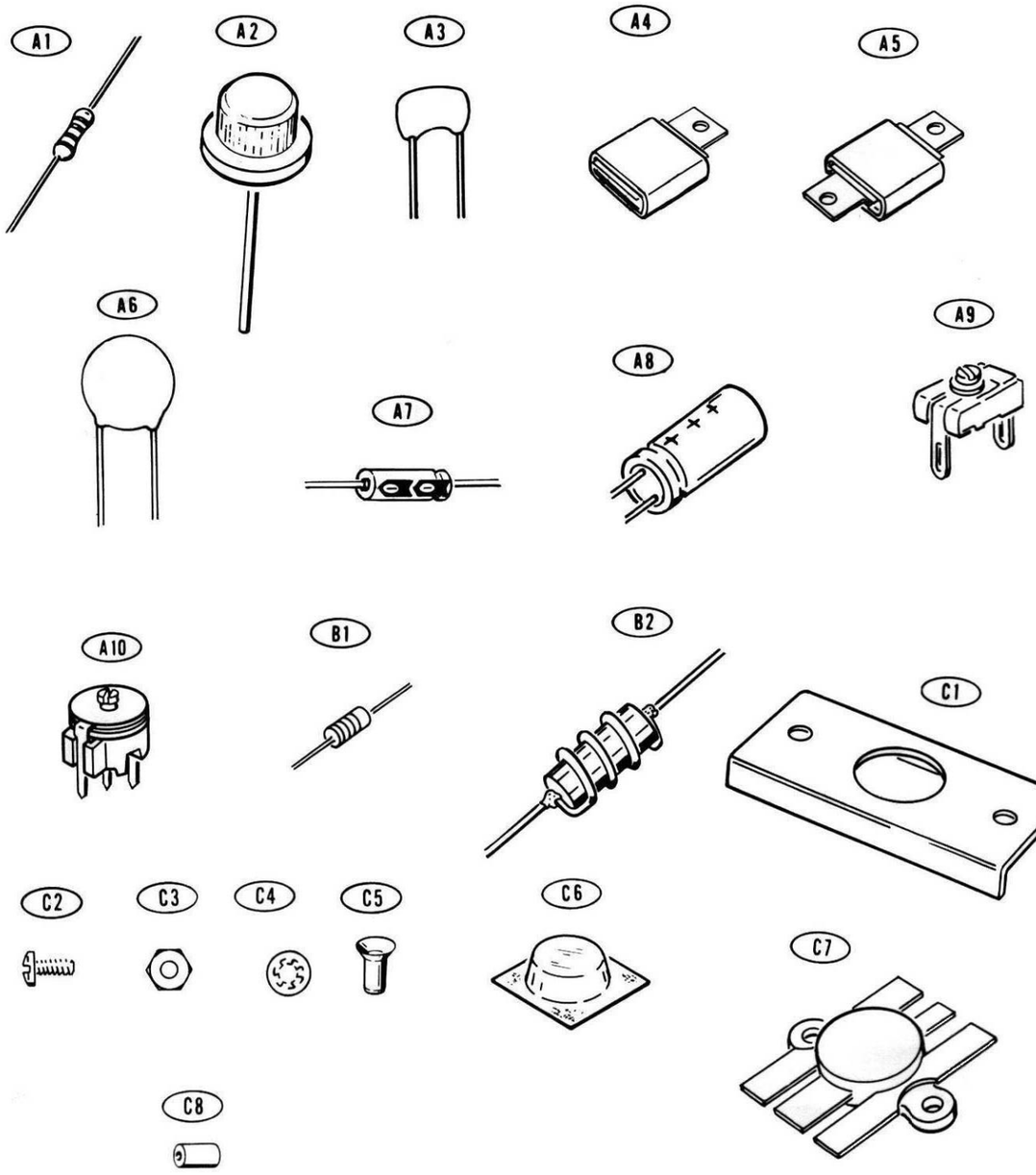


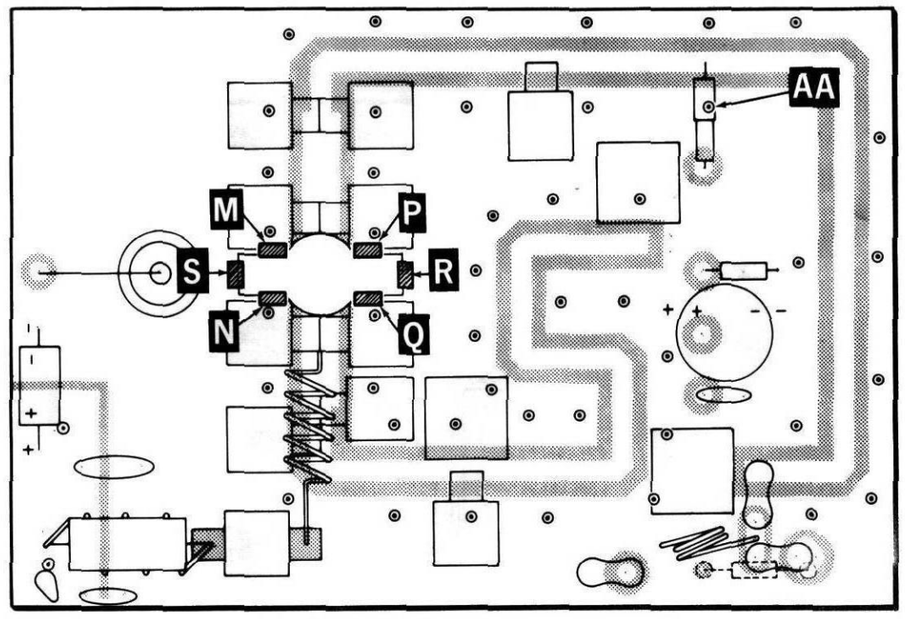
PICTORIAL 1-1



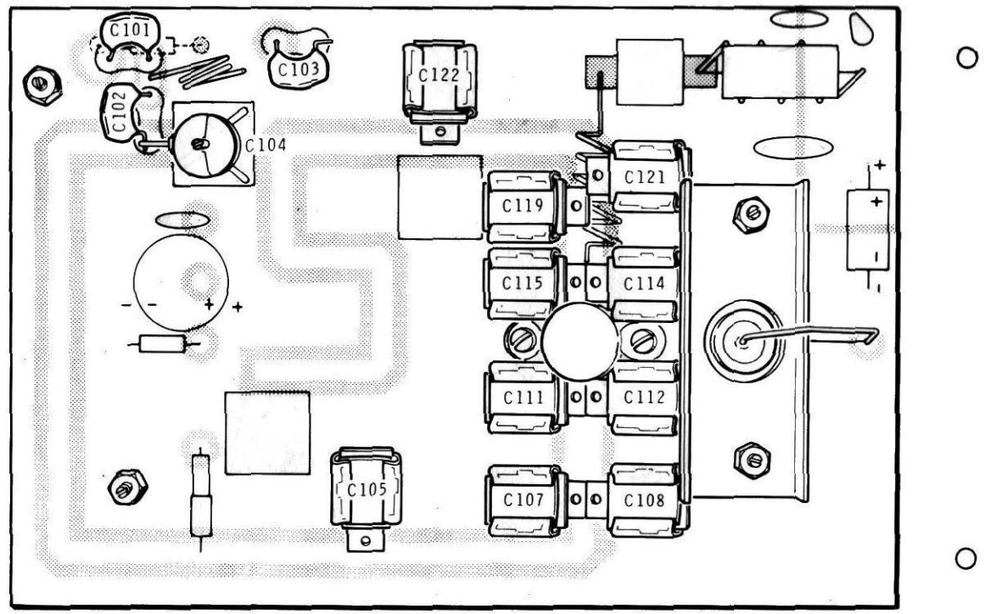
PICTORIAL 1-2

AMPLIFIER CIRCUIT BOARD PARTS PICTORIAL

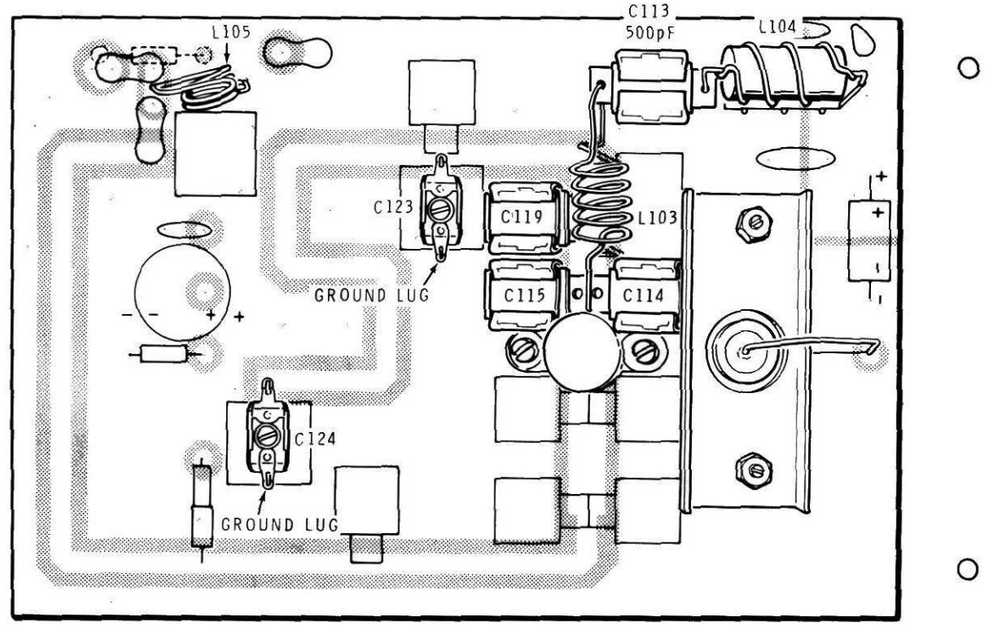




PICTORIAL 2-1

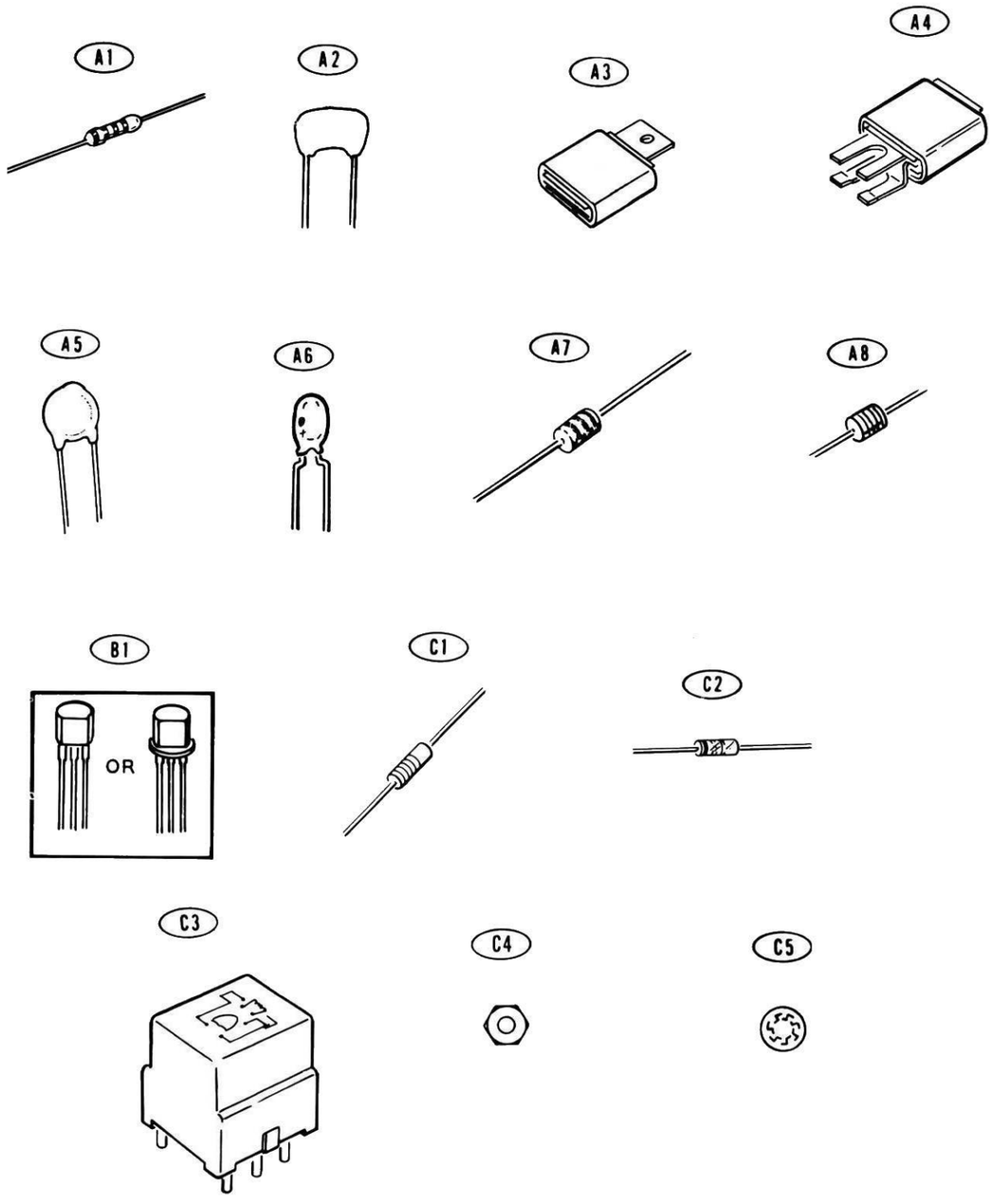


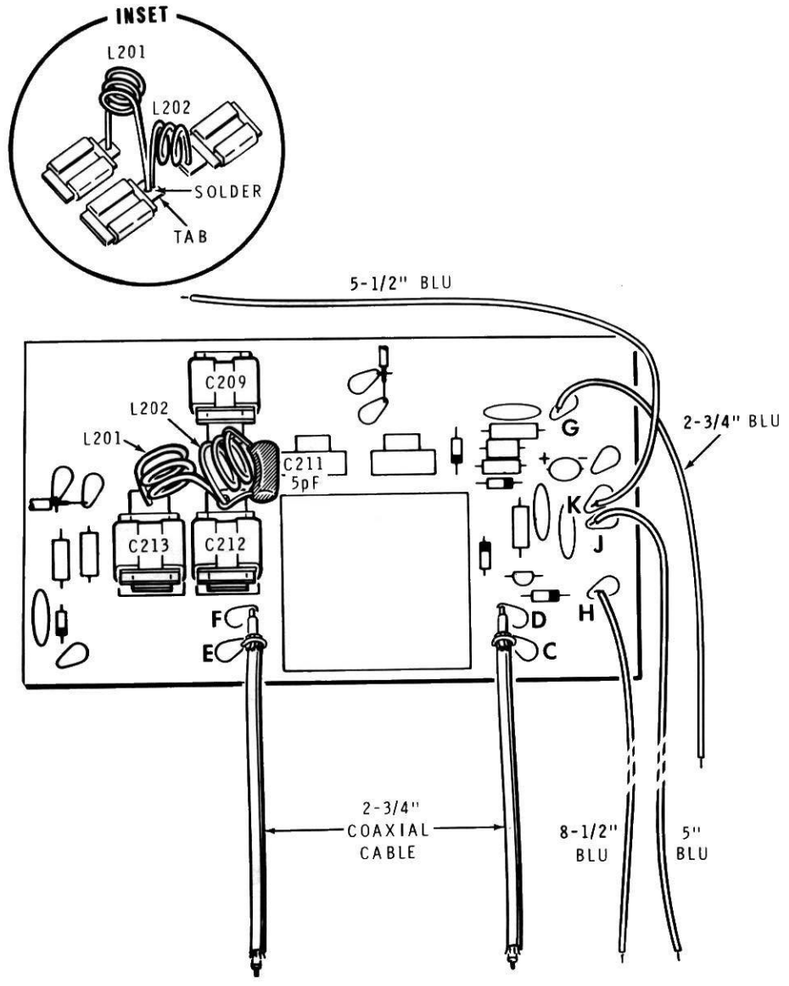
PICTORIAL 2-6



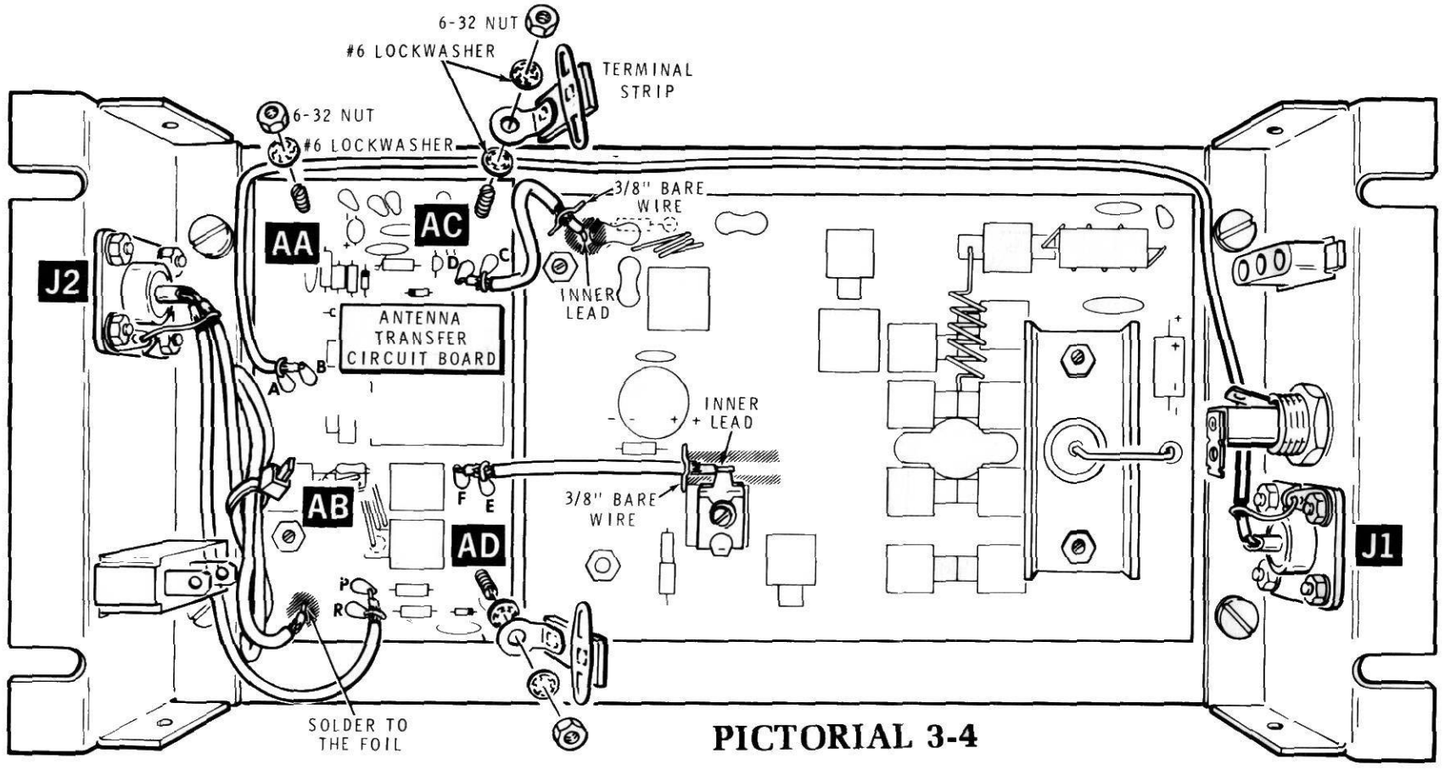
PICTORIAL 2-7

ANTENNA TRANSFER CIRCUIT BOARD PARTS PICTORIAL

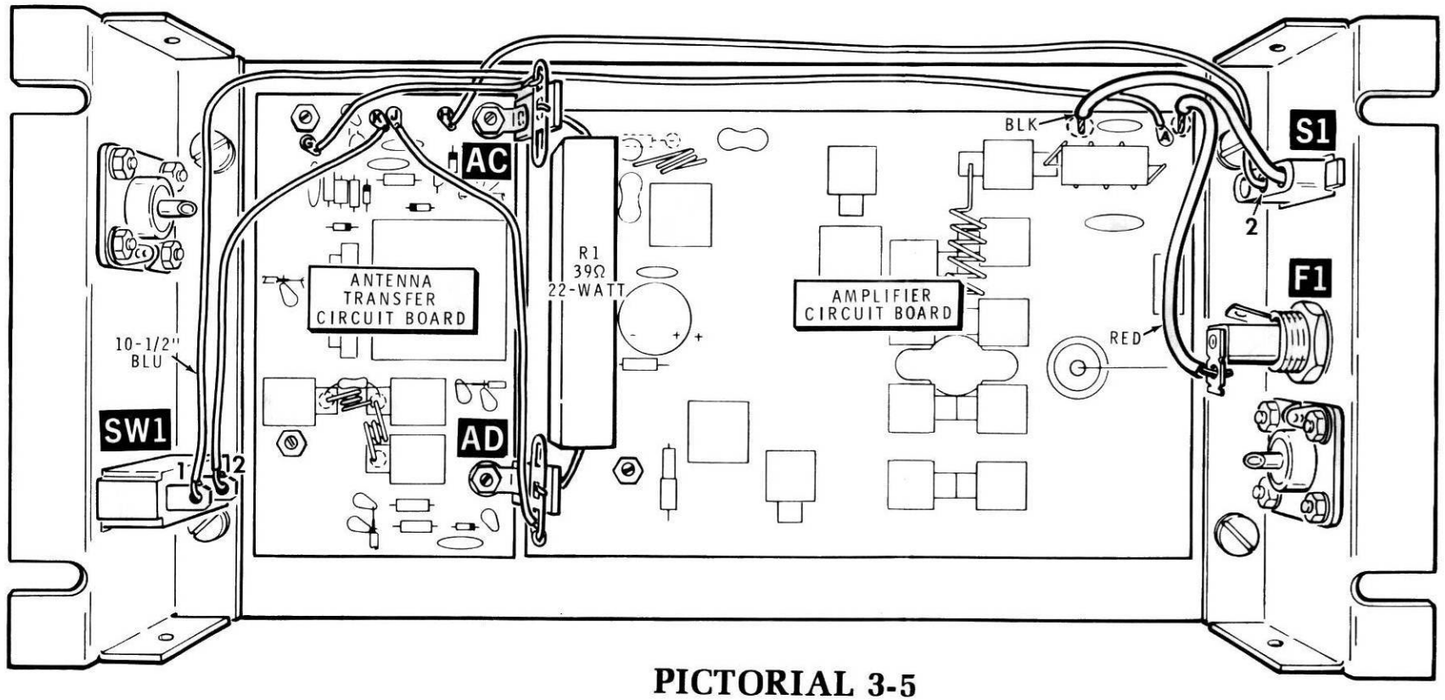




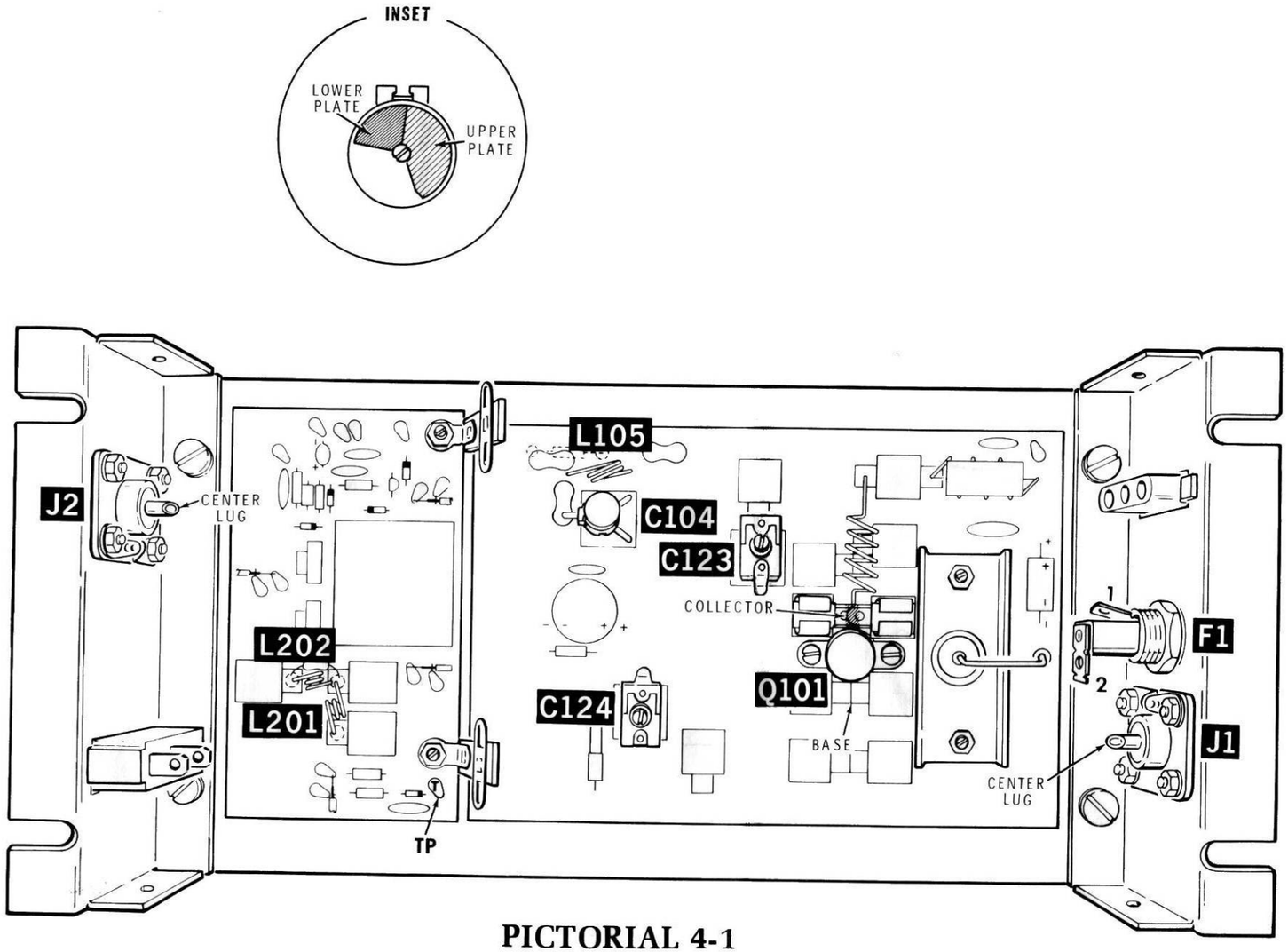
PICTORIAL 3-3



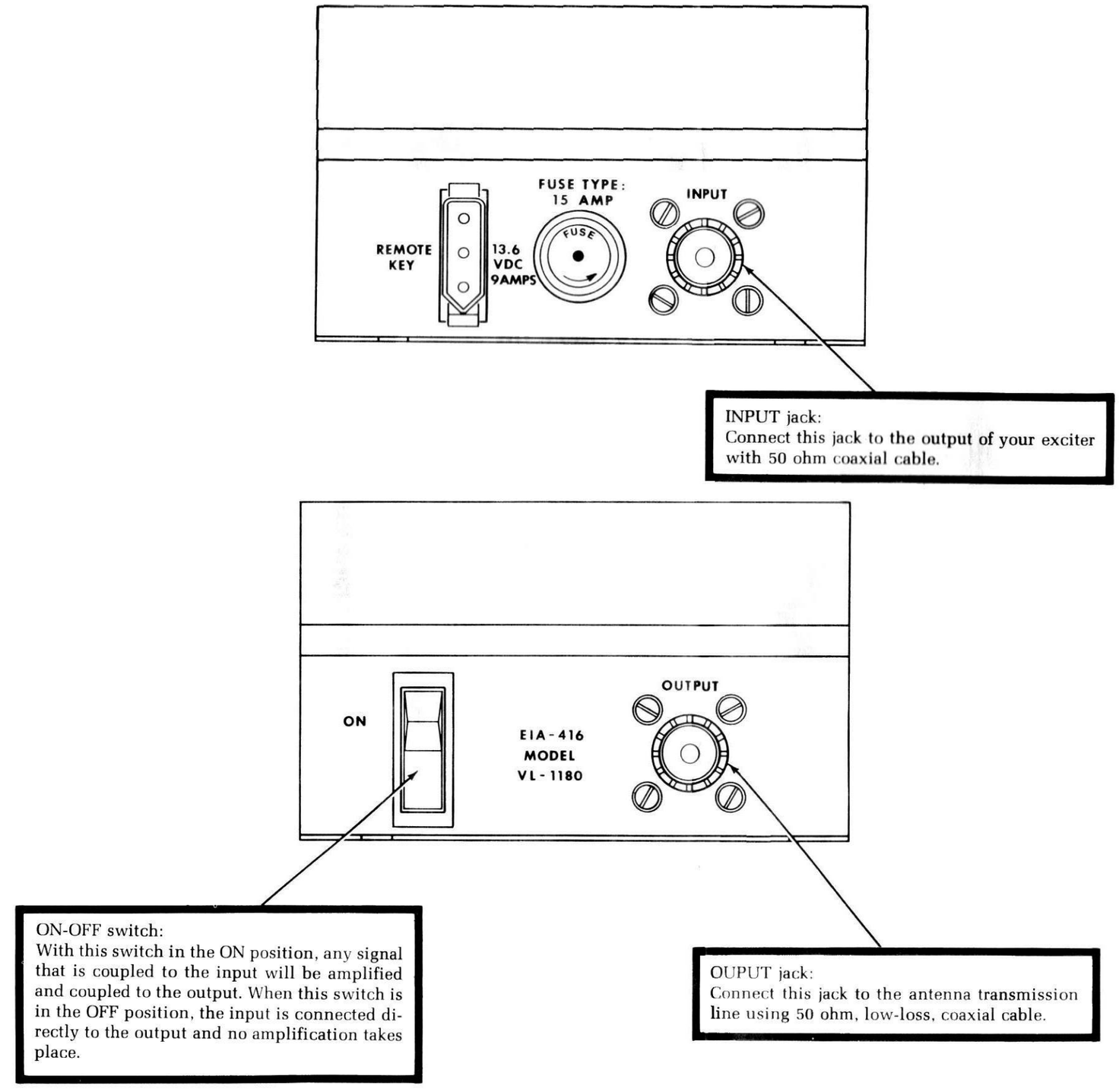
PICTORIAL 3-4



PICTORIAL 3-5



PICTORIAL 4-1

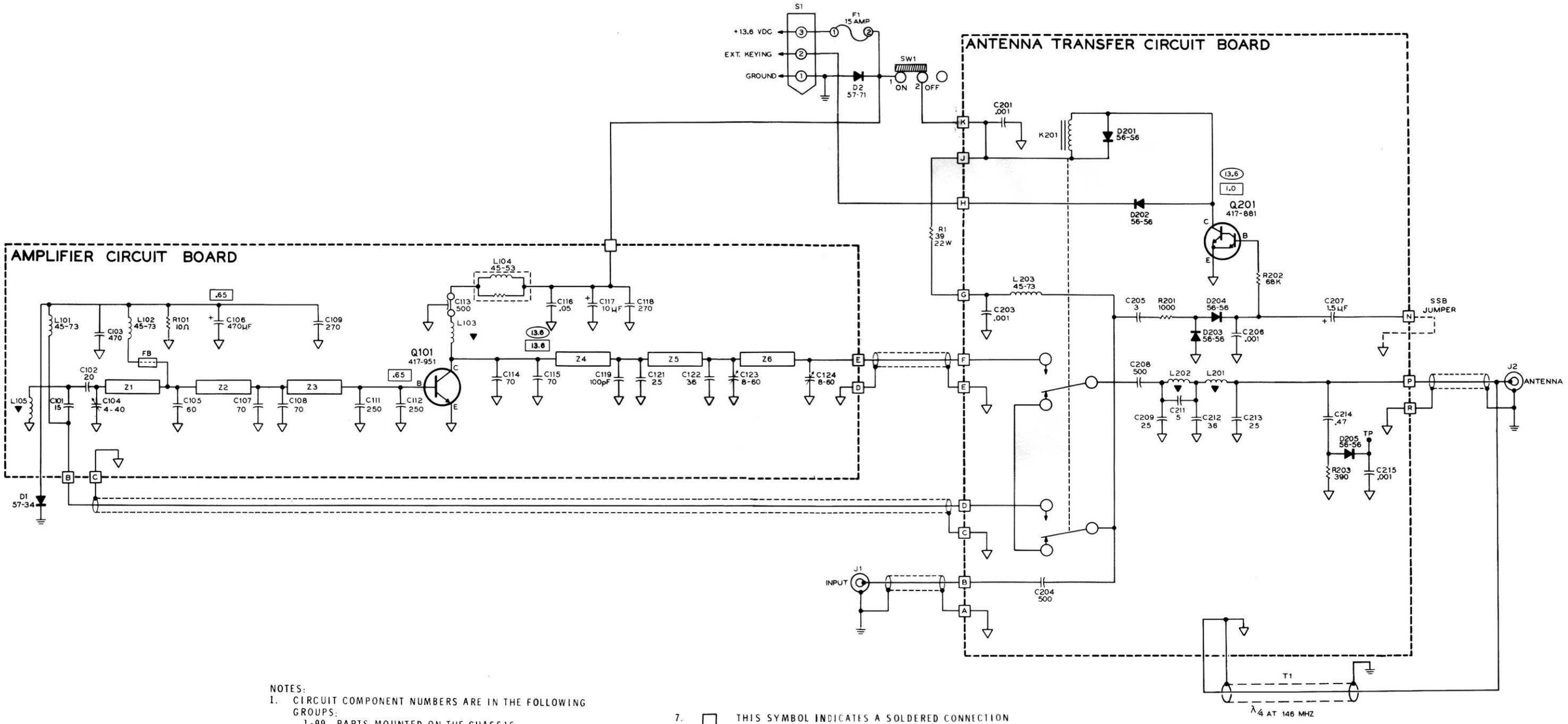


INPUT jack:
Connect this jack to the output of your exciter with 50 ohm coaxial cable.

ON-OFF switch:
With this switch in the ON position, any signal that is coupled to the input will be amplified and coupled to the output. When this switch is in the OFF position, the input is connected directly to the output and no amplification takes place.

OUPUT jack:
Connect this jack to the antenna transmission line using 50 ohm, low-loss, coaxial cable.

PICTORIAL 8-1



NOTES:

1. CIRCUIT COMPONENT NUMBERS ARE IN THE FOLLOWING GROUPS:
   1-99 PARTS MOUNTED ON THE CHASSIS.
   100-199 PARTS MOUNTED ON THE AMPLIFIER CIRCUIT BOARD.
   200-299 PARTS MOUNTED ON THE ANTENNA TRANSFER CIRCUIT BOARD.
2. REFER TO THE "CIRCUIT BOARD X-RAY VIEWS" FOR THE PHYSICAL LOCATION OF PARTS.
3. ALL RESISTORS ARE 1/4-WATT, 5% TOLERANCE, UNLESS OTHERWISE NOTED RESISTOR VALUES ARE IN OHMS(k=1000).
4. CAPACITOR VALUES LESS THAN 1.0 ARE IN µF AND VALUES LARGER THAN 1.0 ARE IN pF UNLESS OTHERWISE NOTED.
5. CONTACTS OF RELAY K201 ARE SHOWN IN RECEIVE POSITION.
6. ▼ THIS SYMBOL INDICATES A TEST POINT.
7. □ THIS SYMBOL INDICATES A SOLDERED CONNECTION TO A CIRCUIT BOARD.
8. ▽ THIS SYMBOL INDICATES CIRCUIT BOARD GROUND.
9. ⏚ THIS SYMBOL INDICATES CHASSIS GROUND.
10. ▼ THIS SYMBOL INDICATES A COIL WOUND BY THE KIT BUILDER.
11. ⬭ THIS SYMBOL INDICATES VOLTAGE MEASUREMENT IN THE RECEIVE MODE.
12. ▭ THIS SYMBOL INDICATES VOLTAGE MEASUREMENT IN THE TRANSMIT MODE.

NOTE: ALL VOLTAGES WERE MEASURED AT NOMINAL SUPPLY VOLTAGE (13.6 VDC) WITH A 10 MΩ (OR HIGHER) INPUT IMPEDANCE VOLTMETER. VOLTAGES MAY VARY ±20%.

SCHEMATIC OF THE HEATHKIT® VHF ALL-MODE AMPLIFIER MODEL VL-1180