

WIRING DIAGRAM FOR SILVERTONE MODEL 5302 POWER SHIFTER  
FOR 1 1/2 VOLT BATTERY RADIOS OF 4 OR 5 TUBES

"A" SUPPLY

The "A" supply is obtained from a full wave copper sulfide rectifier filtered by a condenser input filter consisting of two condensers and a low resistance choke. Terminal voltages with and without loads are indicated on wiring diagram.

"B" SUPPLY

The "B" supply employs a 6P5GT tube operated as a half wave rectifier operating into a condenser input filter of one choke followed by another condenser.

The "A" and "B" circuits are not common to each other or to the chassis. Different tube biasing methods make this necessary.

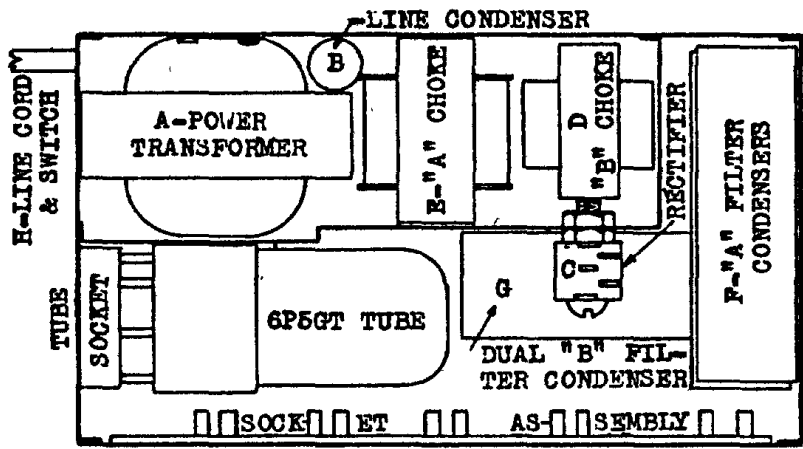
POWER DRAIN

The primary input is 7 watts when the "A" and "B" circuits are loaded as indicated on wiring diagram. The input watts under no-load should not be more than 4.5 watts and the primary current without load not more than 110 MA at 117 volts, 60 cycles.

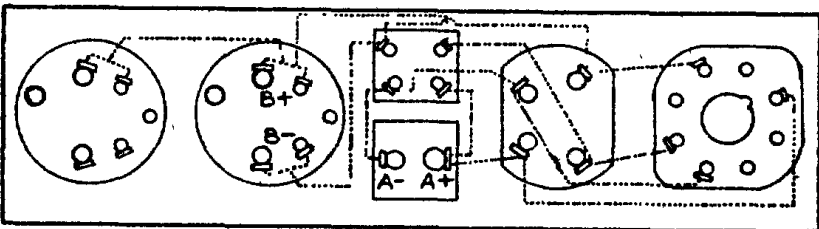
"A" SUPPLY FAILS

When the "A" voltage is excessively low the rectifier, condensers or transformer may be defective. To check the transformer remove one green lead of transformer winding from the rectifier and measure for A.C. voltage indicated on wiring diagram. To check the rectifier remove green lead from choke "E" and condenser "F", -- also

disconnect one side of jumper wire and measure D.C. voltage across rectifier. This should be 1.4 to 1.5 volts.



LOCATION OF PARTS IN CHASSIS



WIRING DIAGRAM OF SOCKET ASSEMBLY (Back)

"B" SUPPLY FAILS

The 6P5GT tube should be checked with a standard tube tester. Care should be exercised in removing this tube as all parts fit closely in chassis. A small screw driver may be used as a light pry behind the base of the tube to assist in removal. Be sure the tube is inserted with proper key alignment to tube socket. Also if a metal base tube, make certain the insulating sleeve of fibre is replaced on the tube base to prevent it from touching or contacting other parts in the chassis.

The transformer may be tested by measuring the secondary plate winding with the red-yellow lead disconnected.