



# SERVICE SLANTS

YOUR QUESTIONS OR COMMENTS ON "SERVICE SLANTS"  
ARE WELCOME AT ANY TIME

ISSUED BY WURLITZER SERVICE DEPT., NORTH TONAWANDA, N. Y.

Installation of Tone Arm Switch and Bracket Assembly,  
Part No. 55462, on Model 1250 Phonographs

(Muting Switch Operation on Models 510 and 514 Amplifiers)

(Use of Model 29 Volume Control and Volume Control, Part No. 55434,  
With Model 227 Auxiliary Amplifiers)

1. Installation of Single Pole, Double Throw Micro Switch - Model 1250  
In cases where the use of Switch and Bracket Assembly, Part No. 55462, on Model 1250 Phonographs instead of the original tone arm switch or the two micro switches, as described in Service Slant W-237, is desired, the following circuit changes, in the Model 510 Amplifier, should be made to provide quiet switch action and complete muting of the phonograph, auxiliary speakers, and/or auxiliary amplifiers:
  - A. See schematic wiring diagram, Page 29 of Model 1250 Manual. Relocate R15 (390 Ohm 1/2 W. Resistor) to the terminal strip physically located between the two 6SJ7 tubes, maintaining the same electrical value of the 6SN7 cathode circuit, Fig. 1. Remove and discard the wire now connected to the Auxiliary Amplifier socket.
  - B. Install Part No. 72236-32, 680K-1/2 W. Resistor (not supplied) between the pin lugs of the auxiliary amplifier socket and the muting switch socket. Remove and discard the wire now connected to the muting switch socket, Fig. 1.
  - C. Connect the pin lug of the muting switch socket, running the connecting wire via the shortest route, keeping it close to the chassis pan to avoid oscillation, to the out-put terminal of C13 at the terminal lug to which C13 is soldered, Fig. 1.
  - D. It is advised that the muting switch cable (a part of the Muting Switch and Bracket Assembly, Part No. 53828) be replaced with shielded cable to prevent pick-up of switch noises and hum.
  - E. Due to the circuit changes in A, B and C, the use of an auxiliary amplifier, Model 227, will require a different volume control and cable assembly, Part No. 55434, in accordance with instruction sheet, Part No. 55441, for Kit 127.
  
2. Remote Volume Control of Auxiliary Amplifier - Model 1250  
In cases where it is considered essential that the Model 29 Volume Control and its facilities of remote control be maintained, even though the muting switch action on the auxiliary amplifier be sacrificed, the Model 510 Amplifier may be altered as follows:
  - A. If not already accomplished, delete the procedure of Section A. In case this change has been made, reverse the procedure described in Section A.

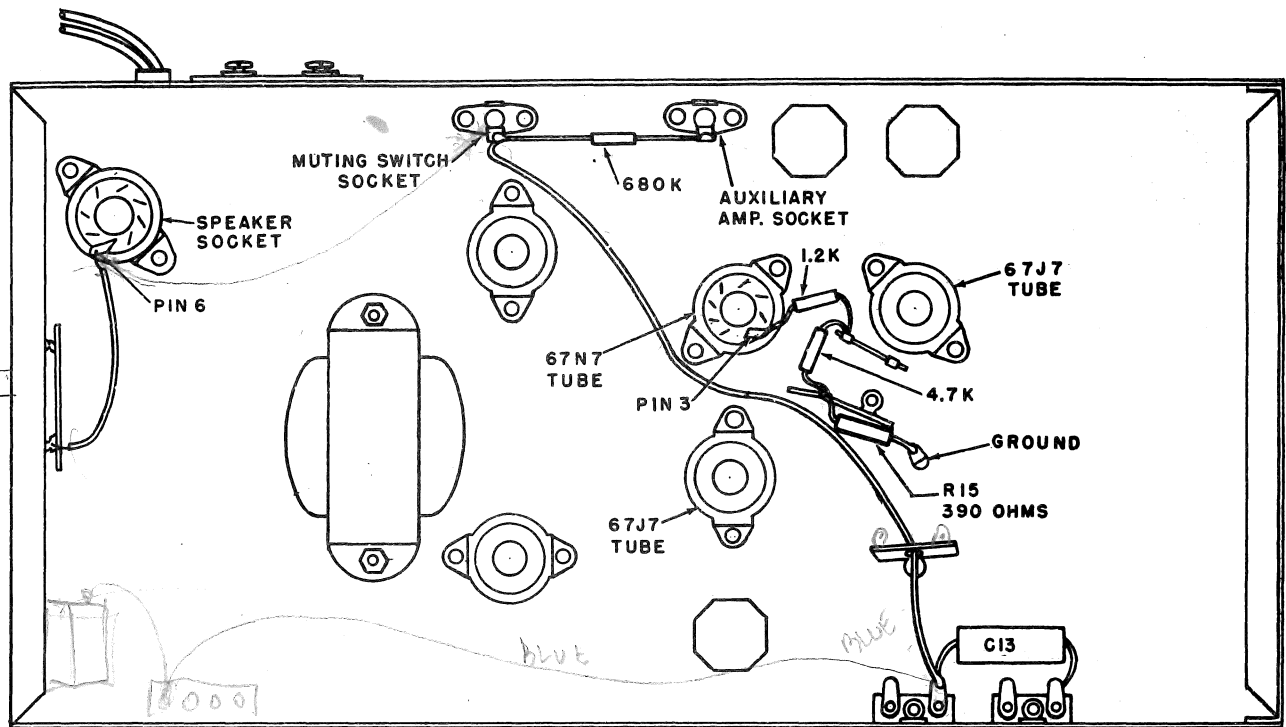
B. Remove the "muting switch socket wire" from the speaker socket pin No. 6 (Fig. 1) and connect the "muting switch socket lug" to the out-put terminal of C13 located on the treble control side of the chassis pan between the treble control and the electrolytic condenser, Part No. 46438, as in Paragraph 3. This connecting wire should be via the shortest route, keeping close to the chassis pan to avoid any pick-up or oscillation.

3. Remote Volume Control of Auxiliary Amplifiers - Models 1400 & 1450

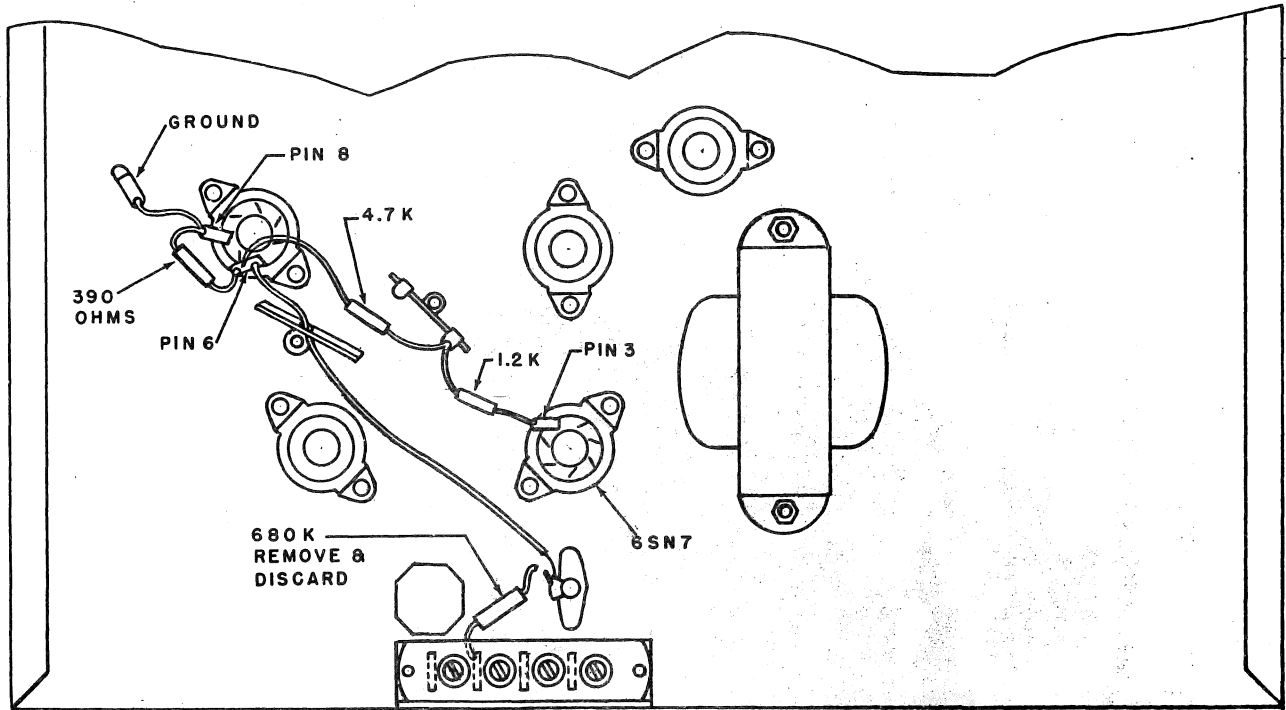
The Model 514 Amplifier may also be altered to accomplish the requirement described in Paragraph 2 as follows:

- A. See schematic wiring diagram, Model 514 Amplifier, and Fig. 2. Remove and discard the 680K-1/2 W. Resistor connecting the "auxiliary amplifier socket" to the volume control input lug of the terminal strip.
- B. Open the cathode circuit, Pin No. 3, of the 6SN7 at the ground point and install a 390 Ohm 1/2 W. Resistor, Part No. 72158-32, in series with this circuit to ground, Fig. 2.
- C. Connect the pin lug of the auxiliary amplifier socket to the junction of the 390 Ohm resistor and the 4.7K resistor just removed from ground. This connecting wire should be installed via the shortest route, keeping close to the chassis pan to avoid pick-up or oscillation.
- D. The Model 29 Volume Control will be mounted on the left side (as viewed from the front) up against the chassis cleat and about two inches back from the front cleat.





MODEL 510 AMPLIFIER  
FIGURE 1



MODEL 514 AMPLIFIER  
FIGURE 2