

inserting or removing tubes and the correct type of tube is always inserted in the proper socket.

In case it is necessary to replace the pilot light lamp a new one may be secured from your dealer. The pilot light bracket is held on the front condenser shield plate by a spring clip. To replace the lamp, lift the clip off, change the lamp and replace the clip on the condenser shield plate.

Periodic inspection of antenna and ground system is recommended to see if there is a continuous electric circuit through all connections and to see if the antenna is well insulated from the ground at all points.

A FEW HINTS IN CASE OF TROUBLE

Power Supply. Be sure that there is power at the convenience outlet to which set plug is attached and that it is of the correct rating for the receiver.

Antenna and Ground. Check the antenna and ground to make sure that there is a continuous electric circuit through all connections, that the antenna is well insulated from the ground at all points and the antenna and ground leads are properly connected to the antenna and ground posts on the chassis.

Tubes. Inspect tubes to see if they are all lighted, in the correct sockets and firmly inserted in sockets. Make sure that the grid caps are in place on the ferrules of the 224 tubes.

If the above three tests do not reveal the source of the trouble, turn off power switch and get in touch with your GLORITONE RADIO Dealer.

WARRANTY

THE UNITED STATES RADIO & TELEVISION CORPORATION warrants each new radio product manufactured by it to be free from defective material and workmanship and agrees to remedy any such defect or to furnish a new part in exchange for any part of any unit of its manufacture which under normal installation, use and service, discloses such defect, provided the unit is delivered by the owner to us or to our authorized dealer or wholesaler from whom purchased, intact, for our examination, with all transportation charges prepaid to our factory, within ninety days from the date of sale to original purchaser and provided that such examination discloses in our judgment that it is thus defective.

UNITED STATES RADIO AND
TELEVISION CORPORATION

MARION -:- INDIANA



Instructions for
Models 26P and 26PX
AND
Models 26B and 26BX
Pentode Receivers

POWER SUPPLY

Models 26P and 26B are designed to operate on an alternating current power supply of 50 to 60 cycles, 105 to 125 volts. Models 26PX and 26BX are designed to operate on 25 to 40 cycles, 105 to 125 volts. If there is any doubt about the voltage or frequency of the power supply, consult your GLORITONE RADIO Dealer or the local power company before inserting attachment plug into convenience outlet. Do not insert attachment plug until all tubes are in the sockets.

ANTENNA AND GROUND

Best results will be obtained with an outside antenna 25 to 90 feet in length over all, including lead-in. For installations close to broadcasting stations the shorter antenna of 25 to 50 feet is preferable, while for installations at a distance from broadcasting stations the longer antenna of from 50 to 90 feet will be better. It is advisable to experiment with more than one antenna and use the shortest one that will give adequate signal strength.

The end of the lead-in wire which connects to the set should be scraped bright and clean and inserted under the binding post on the back of the chassis under the mark "A". If it is impossible to put up an outdoor antenna, an indoor antenna will be satisfactory in many cases.

It is important that a good ground connection be used. As a general rule, water and steam pipes make good grounds. The ground lead should be connected by means of an approved ground clamp to a section of pipe that has been scraped and cleaned to insure a good electrical connection. If a water or steam pipe is not available, a pipe or metal rod may be driven into the ground to a depth of several feet.

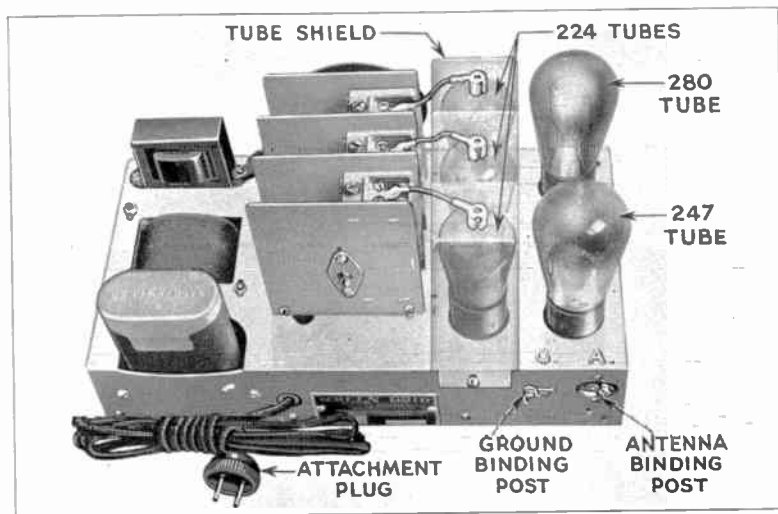


Fig. 1—Top View of Chassis Showing Tube Location

Connect the ground lead to the binding post on the back of the chassis under the mark "G". In some instances satisfactory reception can be obtained by connecting the ground lead to the antenna post and using no antenna.

TUBES

The following tubes are packed with this receiver:

- Three—224 Tubes
- One —247 Tube
- One —280 Tube

First remove the tube shield. Loosen the screw on the back panel holding this tube shield in place. Then lift the shield off. It is held at the front by a spring clamp but will come off readily.

Next insert the tubes into the sockets. The arrangement of the tubes is shown in Fig. 1 and each socket is marked with the proper type tube. After the tubes have been inserted place the grid caps on the ferrules of the three 224 tubes as shown in Fig. 1.

When the tubes have been inserted and the grid caps are in place, replace the tube shield, care being taken that the tube shield plates go between the grid wires of the 224 tubes. One end of the tube shield will go under the spring clamp at the front of the chassis while the slot at the other end of the shield will go under the head of the screw at the back of the chassis. Be sure the front end of the shield is under the spring clamp and then push the shield all the way down. When the shield is in place tighten the screw to avoid mechanical vibration.

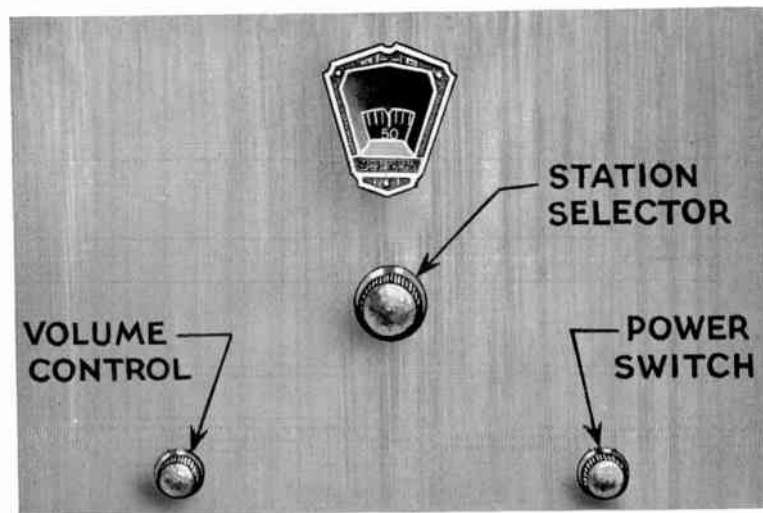


Fig. 2—Location of Controls on Panel

OPERATING THE RECEIVER

After the tubes have been inserted, antenna and ground connected to receiver and attachment plug placed into convenience outlet the set is ready to operate.

First turn on the power by turning the Power Switch knob in a clockwise direction. See Fig 2. A click will be heard and the pilot lamp will light. Then turn the volume on full by turning the Volume Control knob clockwise as far as it will go and allow one minute for the tubes to heat up.

Next turn the Station Selector knob slowly until a station is heard and reduce the volume to below the desired intensity. Now tune to resonance, that is, turn the Station Selector knob slowly back and forth until this station is brought in with the loudest volume. Then adjust the Volume Control until the desired intensity is obtained. Proceed over the dial in the same manner tuning in stations wherever desired.

To Turn Off the Receiver—Turn Power Switch knob in a counter-clockwise direction until a click is heard and the pilot lamp is off.

MAINTENANCE

As far as the chassis and speaker go, there is nothing to get out of order and no attention is necessary. The only parts which may require replacement are the tubes and pilot lamp.

It is advisable to have a spare set of tubes on hand to insure uninterrupted reception. The tubes in the set should be checked occasionally either by taking them out and having your dealer test them or by securing a new set of tubes and inserting them in the set, one at a time, noting any difference in performance. Be sure power switch is off when