

TELEPHONE 20-156

PHILCO
MADE IN NEW ZEALAND

AND BROADWAY
NEW MARKET,
AUCKLAND, S.E. I N.Z.

SERVICE BULLETIN TO ALL PHILCO DEALER SERVICE DEPARTMENTS

SUBJECT : "Modulation Hum" - Philco Radio Receiver
Model 350 Portable.

PHILCO Radio Receiver Model 350 Portable is fitted with a 3-core power flex and is intended to be used - when operated from 250 volts A.C. - with the standard 3-pin plug and 3-pin power outlet, of which one pin is earthed. Should the receiver be operated from any other type of power outlet, where no earthing connection is present, then it is possible that "modulation hum" may be apparent, and it is essential that the chassis of Model 350 be always effectively earthed either through the 3-core cable to the power supply or by a separate properly installed reception earth connected to the earth connection receptacle at the back of the receiver cabinet.

In cases where "modulation hum" is present even though the receiver is operated from a 3-pin power outlet, this is an indication that the earthing of the power supply is faulty and this should either be attended to or a separate earth connected to the receiver chassis as before-mentioned.

Note : In all cases a check should be made to see that the electrostatic shield of the power transformer is connected direct to chassis. A few model 350 portable receivers of the first production run had the electrostatic shield connected to the neutral wire of the power cable. In cases of "modulation hum" in these few receivers the electrostatic shield connection should be altered from neutral to chassis and the above precautions regarding earthing be observed.

DOMINION RADIO & ELECTRICAL CORP. LTD.

RADIO & ELECTRICAL ENGINEERS & MANUFACTURERS



Broadway, Newmarket,

Auckland, New Zealand

19th December, 1949.

TO ALL DEALERS:

TECHNICAL BULLETIN

OVERHEATING OF ELECTROLYTIC CONDENSERS AND RECTIFIER

IN MODEL 352

It has been found that the position of the 1750 ohm 20 watt resistor in the power pack is raising the temperature of that unit to a degree where the Electrolytic condensers and A.C. rectifier are affected.

We recommend, therefore, that the resistor be removed from the power pack and mounted on the chassis. It is then connected to its original terminal points by means of a pair of leads approximately 12 inches long.

The method of mounting is as follows :- Drill a $5/32$ " hole in the chassis $3\frac{7}{8}$ " from the extreme right hand end as viewed from the rear and $\frac{1}{2}$ " in from the back edge. With a $2\frac{1}{2}$ " x $\frac{1}{8}$ " metal thread screw and nut and two bakelite insulating washers mount the resistor with connecting leads attached and with its terminals facing inwards. The terminal nearest the chassis should be the higher voltage one.

The chassis may now be replaced in the cabinet and the two leads from the resistor soldered to the terminal points from which the resistor was originally removed. The power pack may then be replaced.

J. G. Henderson,
Service Manager.

Telephones: 20-15
20-18

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PHIL
MADE IN NEW Z

MODEL 351

When trying new tubes in this model the set should always be switched off as the voltage surge resulting when a new tube is inserted in its socket could damage the DK40 converter tube.

MODEL 351.

Audio Howl.

Caused by insufficient contact of the electrolytic condensers with the chassis.

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point

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