

HIS MASTER'S VOICE (N.Z.) LTD.

TELEGRAMS AND CABLES
"GRAMOPHONE." WELLINGTON

P.O. BOX 296
WELLINGTON

HEAD OFFICE:
WAKEFIELD STREET,
WELLINGTON, C.1, N.Z.

H.M.V. circuits

19th November, 1952

CIRCULAR TO ALL H.M.V. DEALERS & SERVICE AGENTS:

With the object of giving our dealers all the help possible in the maintenance of H.M.V. products, we propose to distribute service sheets or bulletins from time to time. These sheets will contain information gained in our own Service Department, or received from overseas. It will also be a means of spreading any service hints given to us by our dealers. Should the information given be insufficient or not fully understood, we will be only too pleased to answer any letters addressed to our Service Department.

VALVES: Owing to plating restrictions imposed in England, all the Loctal series, Valves 7S7, 7B7, etc., at present being used, were received with the valve pins given a light bonderising to prevent rust. This has not been entirely satisfactory as the bonderising process provides an insulating film that is not always penetrated by the valve socket ^{CONTACTS}. In most cases where these valves appear noisy or intermittent in action the fault can be cured by using a light grade of emery cloth on the valve pins.

RECORD CHANGERS, TYPES 47200 & 45000: The most common cause of complaint in these changers is the damaging of the rubber drive due to interruption of the changer action.

RECORD CHANGERS, TYPES 47200 & 45000 (Cont'd): It is not fully realised by the majority of servicemen that there is a scolloped safety clutch, to prevent this damage, and if this clutch is correctly adjusted it is practically impossible to damage the rubber. This clutch will be found on the pick-up arm support and the tension on the spring of the safety clutch should be such that if the pick-up arm is held, the changer action will still continue without any strain on the moving part or damage to the rubber drive. All tests for correct clutch adjustment should be made with the turntable being rotated by hand. The adjustment is simple, and all that is necessary is to move the retaining collar on the clutch spring until the correct tension is obtained. Always adjust to the loosest possible position.

RADIO MODEL "NIPPER" 525BC: In certain cases where more audio output is required on weak signals, the by-passing of the cathode of the 7C5 with a 25 mfd. elec. condenser is quite effective.

"CORNWALL" 525R/G: This model is fitted with a B.S.R. single playing unit and it was found necessary to fit a 100,000 ohm. resistor across the pick-up of the B.S.R. unit for tone compensation. With the latest shipment of B.S.R. units we notice a slight change in the pick-up cartridge, and it is possible that better results may be obtained if the resistor is removed or increased in value. We do not advise any alteration unless the pick-up cartridge is being replaced for one of the newer type.

The fitting of two small felt washers to the corners of the lid will reduce noise due to cabinet vibration.

In one instance, some slight distortion after a set had been in operation after a long period, was cured by replacing the 250 PFD. condenser in the tone control circuit.

"OXFORD" PORTABLE, MODEL 525BC: When this set is to be used for a long period on battery operation, the leads to the C16. battery can be lengthened to permit the set to be operated on an external type such as the "Eveready", Type 739.

"HAMPTON" RADIOPHONIC: With the "Hampton" and all sets fitted with a Plessey record-changer, care should be taken when installing to see that the set is perfectly level or canted slightly in the front, otherwise the changer will not operate correctly, especially on long playing records.

Special care should be taken in removing the shipping bolts even for a demonstration, as unless the record-changer unit is floating on its spring a heavy mechanical feed-back is likely to occur.

"RADIMOBILE" MODIFICATION: This modification applies only to Type 524 amp., 46028A, and 46028C. amplifiers. A number of volume controls have been replaced on account of noise, and to reduce the possibility of this fault developing, we advise the fitting of .01 mfd 350 volt condenser in series with the $\frac{1}{2}$ meg. volume control on all sets serviced. Remove the PVC. lead from terminal four on terminal strip to pin of No.8. of the 8 pin socket.