

# *H·M·V* 2007G and 2007R

## **4 - SPEED RECORD REPRODUCER**



### **STUDY THESE OUTSTANDING FEATURES:—**

**A compact, lightweight portable 4-SPEED Record Reproducer at a popular price** ● Provides playing facilities for 78, 45,  $33\frac{1}{3}$  and  $16\frac{2}{3}$  r.p.m. in all sizes ● Simple speed selector knob ● Lightweight pick-up with high gain turnover crystal cartridge for all speeds of records ● Inbuilt amplifier provides excellent volume ● 8" "slot" permanent magnet speaker ● Combined volume and on/off switch ● Reliable and simple speed change and drive mechanism ● Case covered in green and grey (2007G) or in red and grey (2007R) durable leathercloth ● Protective feet on base and side ● For AC mains only.

For Technical Specification, please see over.

**"HIS MASTER'S VOICE"**

(Made in England) Model 2007G or R

NZ R = £16/10/0

Oct 1957



# TECHNICAL SPECIFICATION

## 4-SPEED Record Reproducer

### MODELS 2007G and 2007R

A beautifully compact and attractive 4-speed reproducer. Thanks to its many ingenious design features, it packs into its small size an AC mains-driven 4-speed turntable unit, a lightweight pick-up, an efficient AF amplifier and the exclusive 8" "slot" speaker—all combining to give really good quality of reproduction at an irresistible price.

**CIRCUIT FEATURES:** The latest type of inbuilt AF amplifier circuit, using a metal rectifier for HT supply, provides on all records an excellent output which is more than adequate for the average-sized room. The 8" "slot" permanent magnet speaker possesses the quality advantages of a larger speaker and makes the utmost use of the smaller space available.

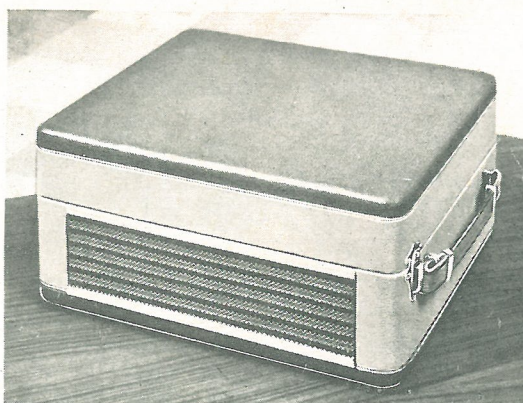
**PICK-UP:** The pick-up is of the high gain turnover crystal cartridge type: one stylus is employed for the reproduction of 78 r.p.m. records and the other for  $16\frac{2}{3}$ ,  $33\frac{1}{3}$  and 45 r.p.m. records. The stylus can be moved into an intermediate neutral position when not in use.

**STYLI:** The correct replacement styli are the "Acos" sapphire stylus types SK 1 (78 r.p.m.) and SK 2 ( $33\frac{1}{3}$ , 45 and  $16\frac{2}{3}$  r.p.m.)

**MOTOR:** "Squirrel cage" shaded pole induction type.

**DRIVE MECHANISM:** The speed selector and drive mechanism are of simplified and reliable design. Selection of speeds is controlled by means of a spring governing the height of the idler pulley.

**CONTROLS:** Sliding 5-position speed selector knob for four-speed positions ( $16\frac{2}{3}$ ,  $33\frac{1}{3}$ , 45, 78 r.p.m.) and "Off" to disengage the turntable. Volume and On/Off switch controls amplifier and motor.



This colourful, leathercloth covered case has a neat carrying handle and protective feet on the side and base.

**VOLTAGE RANGE:** 200-250 volts, 50 c/s AC only.

**CONSUMPTION:** 30 watts.

**VALVE:** UL84 AF Amplifier.

**LOUDSPEAKER:** 8" "slot" permanent magnet type. Speech coil impedance 5 ohms at 1,000 c/s.

**CABINET:** Compact, neatly styled and finished in alternative two-colour shades of leathercloth. Model 2007G is in green and grey; Model 2007R in red and grey. There are two sets of feet for standing the instrument on its side or in the playing position.

**DIMENSIONS:** Height  $5\frac{1}{2}$ ", width 12", depth  $10\frac{1}{4}$ ". (approx. overall)

**WEIGHT:**  $8\frac{1}{2}$  lb. (approx.).

Made in Great Britain.



**"HIS MASTER'S VOICE"**  
(N.Z.) LTD.,

Box 296, Wellington, N.Z.

C. S. W. LTD.



**MODELS 2007G  
2007R**

# **SERVICE MANUAL**

## **FOUR-SPEED PORTABLE RECORD REPRODUCER FOR A.C. MAINS**



**MODELS 2007G & R**

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## 2007G & 2007R SPECIFICATION

### Physical

|        |            |                       |
|--------|------------|-----------------------|
| Height | 5½ inches  | } Approx.<br>Overall. |
| Width  | 12 inches  |                       |
| Depth  | 10½ inches |                       |

Models 2007G and 2007R differ only in cabinet styling. The cabinet of Model 2007G is finished in green and grey rexine while that of Model 2007R is finished in red and grey rexine.

### Mains Supply

200 - 250 volts, 50 cycles A.C.

### Consumption

32 volt/amps approximately.

### Rated Output

2 watts maximum.

### Valve

V1 Audio Amplifier UL84

### Loudspeaker

8" slot permanent magnet, moving coil type. The speech coil has a D.C. resistance of 4.5  $\Omega$  and an impedance of 5  $\Omega$  at 1,000 c.p.s.

### Pick-Up

High output, turnover, crystal type.

### Styli

The styli are referred to as follows:-

SK1 - for 78 r.p.m. (green identification)  
SK2 - for 16 2/3, 33½ and 45 r.p.m. (red identification)

### Playing Weight

12 - 14 grammes (adjustable)

## INSTALLATION

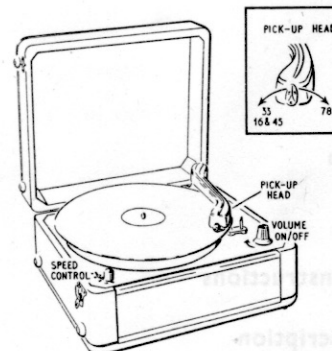
Fit a suitable plug to the mains lead and insert into the supply socket. The supply socket to which this instrument is connected should be fused for not more than 2 amperes.

If the mains supply socket is normally fused at a higher rating than this, a plug fused for 2 amperes may be used satisfactorily.

## OPERATING INSTRUCTIONS

1. Select the correct turntable speed by positioning the SPEED SELECTOR knob into the slot marked with the speed required.
2. Turn the VOLUME ON/OFF control clockwise to switch on the instrument. The valve will take a few minutes to warm up.
3. Select the correct stylus for the type of record to be played by turning the STYLUS CONTROL knob to "33" or "78". The green "78" should be uppermost when playing standard records at 78 r.p.m. The red "33" should be uppermost when playing microgroove records at 16 2/3, 33½ and 45 r.p.m.
4. Lift the pick-up in one hand and place the record on the turntable.
5. Lower the pick-up carefully on to the plain edge of the record.
6. Adjust volume.
7. At the conclusion of the record lift the pick-up and remove the record.

FIG. 1



8. Return the pick-up arm to its rest position.
9. The turntable may be stopped by positioning the Speed Selector knob into the "off" position. The turntable will revolve a few more times but may be stopped by hand. Alternatively the instrument may be switched off by the Volume control, but since this switches off the amplifier it is desirable to change the record immediately, otherwise the instrument will have to warm up again to give full volume.



**IMPORTANT:** Failure to observe operation 3, may cause damage to both the record and the stylus.

It is advisable to switch the Speed Selector to the "off" position if the instrument is not going to be used for several days to avoid temporary distortion of the rubber-edged

idler pulley wheel which would produce a knocking sound when the instrument is used again.

**WARNING:** This instrument should not be operated with the cabinet lid closed.

## CIRCUIT DESCRIPTION

The signal from the pick-up is connected via the volume control, RV1, to the grid of the audio amplifier, V1 (UL84). The amplified signal from V1 anode is coupled directly to the primary of the output transformer, TR1.

H.T. is developed by a contact-cooled metal rectifier, MR1, and reservoir capacitor, C4. Smoothing is by R2 and C2.

The valve heater voltage is derived by dropping the mains voltage through the motor winding; the filament being in series with the motor and connected to chassis.

The capacitor, C3, decouples the mechanism plate, and at the same time isolates it from the mains supply, thus preventing contact with the live side of the mains under any condition.

**NOTE:** On later versions the valve heater voltage is derived from an auto-tap on the motor winding. The motor winding being connected between one side of the mains and chassis; the filament is connected between the auto-tap and chassis.

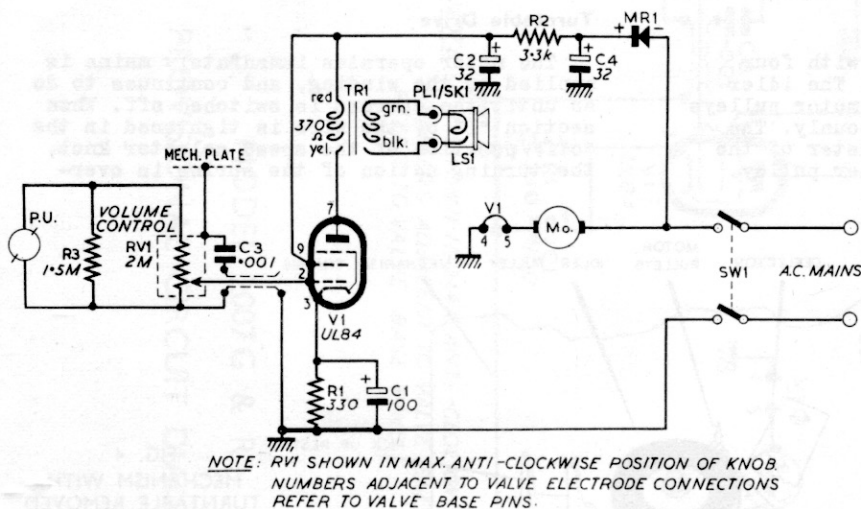


FIG. 2 CIRCUIT DIAGRAM - EARLY VERSION

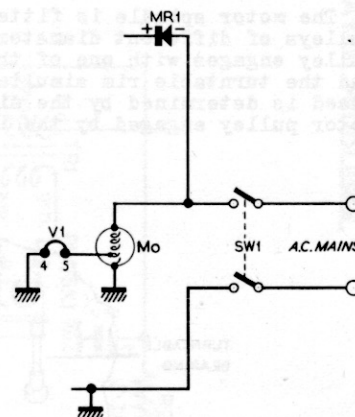


FIG. 2A LATER VERSION

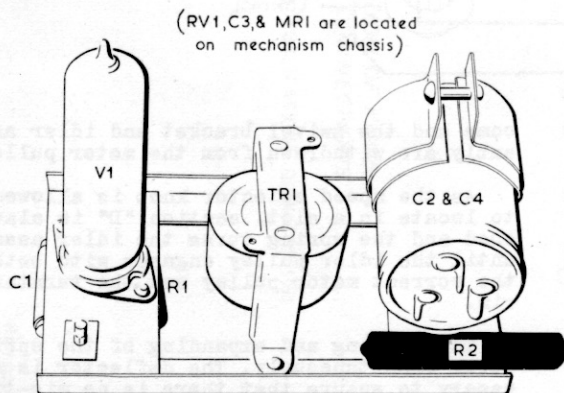


FIG. 3 AMPLIFIER UNIT

## VOLTAGE AND CURRENT READINGS

The following readings are given for a mains input of 240 volts. Due allowance should be made for any variation in mains voltage.

|    |       |      |        |
|----|-------|------|--------|
| V1 | pin 7 | 160V | 39 mA. |
| V1 | pin 9 | 170V | 2 mA.  |
| V1 | pin 3 | 14V  | 41 mA. |

MR1 +ve to chassis : 300V  
Smoothed H.T. : 170V

## DISMANTLING

The amplifier and mechanism may be removed from the cabinet as one unit. To do this proceed as follows:-

1. Disconnect the instrument entirely from the mains.
2. Remove four round-headed screws securing mechanism to cabinet.
3. Lift out mechanism plate.
4. Remove two nuts and washers securing amplifier unit to supporting screws.
5. Remove plugs from loudspeaker sockets.

6. Remove amplifier and mechanism together.

For access to topside of mechanism plate, switch speed selector to "off" and lift off turntable. When removing the turntable it is advisable to twist the circlip a quarter of a turn. This will then free the turntable and prevent the circlip from being lost.

**WARNING:** When testing the mechanism and amplifier after withdrawal from the cabinet, always ensure that there is no contact between the amplifier chassis and the mechanism as the chassis may be live under certain conditions.

## OPERATION OF MECHANISM

### Speed Selection

The motor spindle is fitted with four pulleys of different diameters. The idler pulley engages with one of the motor pulleys and the turntable rim simultaneously. The speed is determined by the diameter of the motor pulley engaged by the idler pulley.

### Turntable Drive

The motor operates immediately mains is applied to the winding, and continues to do so until the current is switched off. When section "D" of the wire is tightened in the "off" position of the speed selector knob, the turning action of the spring is over-

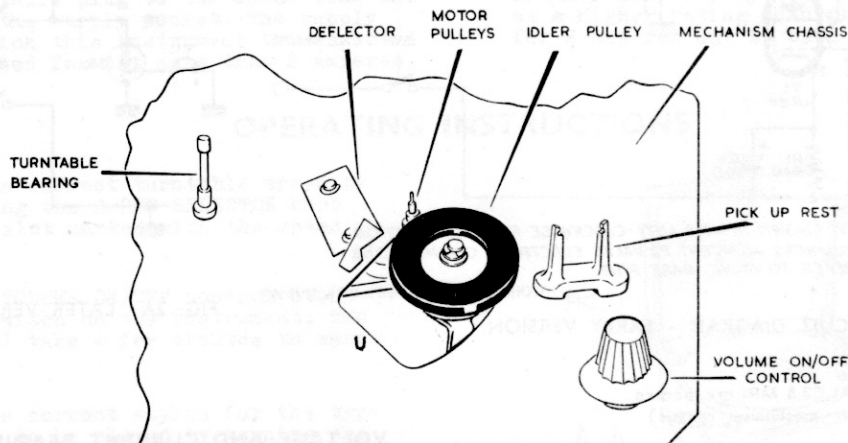


FIG. 4  
MECHANISM WITH  
TURNTABLE REMOVED

The idler pulley is mounted on a bracket attached to a spring. Contraction or expansion of the spring varies the height of the idler pulley. This is effected by tightening or slackening section "S" of a wire which is passed through a curved tube so that it acts in a vertical direction only. See Fig.5.

In the 16 r.p.m. position the section "S" is taut, the spring contracted, and the idler pulley held at the height of the smallest motor pulley. In the 78 r.p.m. position the opposite occurs and the idler pulley is adjusted to the height of the largest motor pulley.

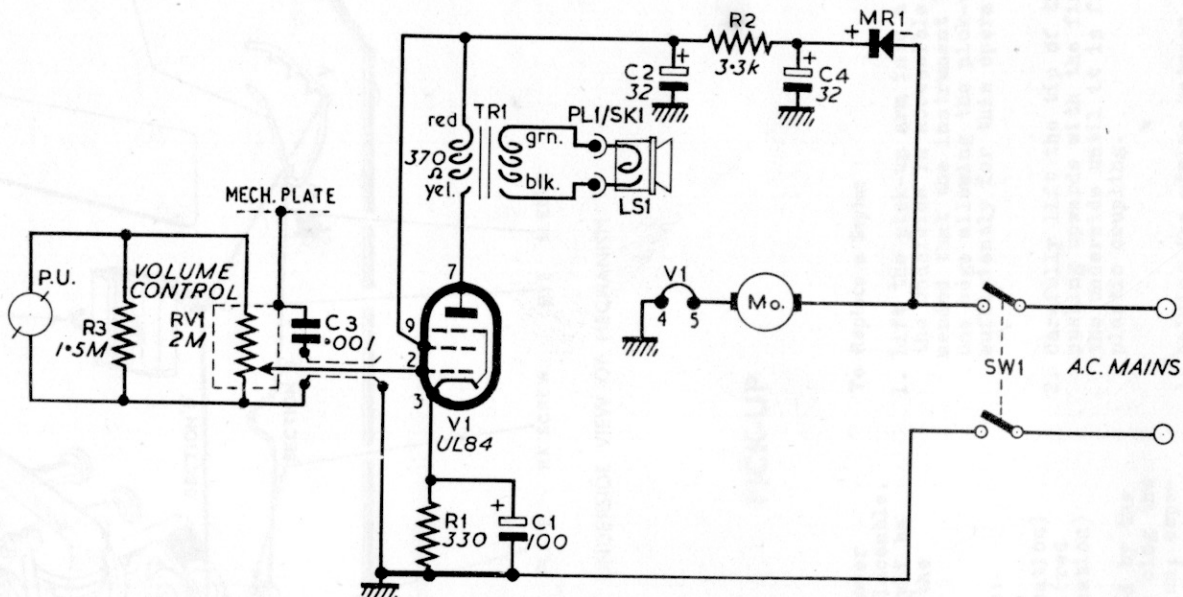
come and the swivel bracket and idler assembly are withdrawn from the motor pulleys.

As the speed selector knob is allowed to locate in a slot, section "D" is slackened and the spring turns the idler assembly until the idler pulley engages with both the correct motor pulley and the turntable rim.

The turning and expanding of the spring occur simultaneously. The deflector is necessary to ensure that there is no mis-timing caused by the idler pulley falling back too far and engaging the wrong motor pulley when a speed is selected.



ISSUED BY:- **E.M.I. SALES & SERVICE LTD., HAYES, MIDDLESEX.**



**NOTE:** RV1 SHOWN IN MAX. ANTI-CLOCKWISE POSITION OF KNOB.  
NUMBERS ADJACENT TO VALVE ELECTRODE CONNECTIONS  
REFER TO VALVE BASE PINS.

TECHNICAL PUBLICATIONS DIVN. TP7359/1

MODEL 2007 G & R  
PROVISIONAL CIRCUIT DIAGRAM

Part No. 96372/CT

Printed in England

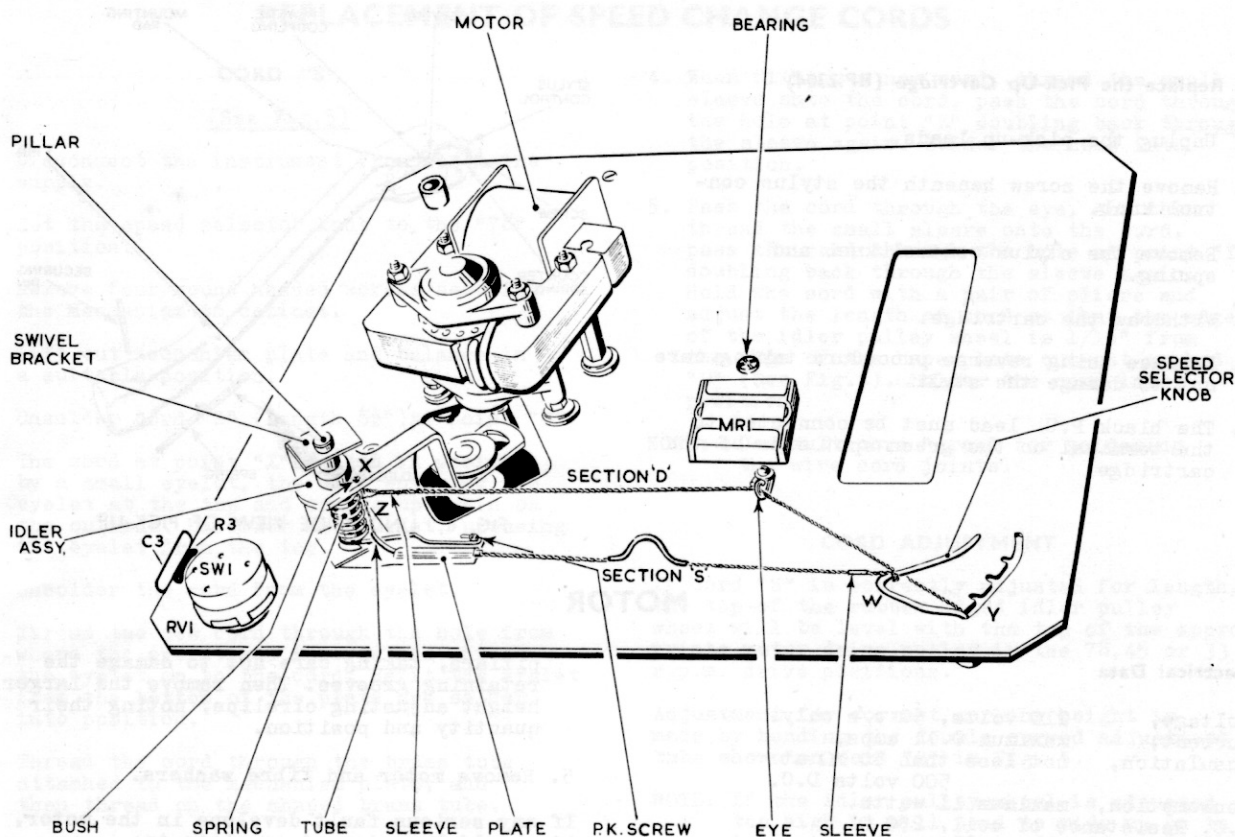


FIG. 5 UNDERSIDE VIEW OF MECHANISM

## PICK-UP

The pick-up is fitted with a turnover crystal cartridge. The styli are replaceable. Under no circumstances should any styli be used other than those specified for the cartridge.

The styli are referred to as follows:-

SK1 - for 78 r.p.m. (green identification)  
SK2 - for 16 2/3, 33 1/3 and 45 r.p.m. (red identification)

The life of a stylus is determined by the care with which it is used. Dust may clog the stylus tip and cause poor reproduction, especially of long playing records. If this occurs, the dust is best removed by brushing with a small soft brush.

Long playing records should be cleaned periodically with an EMITEX cleaning cloth, which is designed to prevent the attraction of dust. Rubbing with an ordinary dry cloth is not advisable.

### To Replace a Stylus

1. Lift the pick-up arm into a position where the underside is accessible. It is recommended that the instrument be stood on one edge allowing the pick-up to overhang sufficiently for this operation.
2. Carefully lift the tip of the stylus by pushing upwards with the finger-tip from the underside until it is free from the plastic coupling.
3. Holding the stylus between the thumb and forefinger, withdraw the shank from the circular mounting pad.
4. Replace in the reverse manner. The stylus should be pressed on to the plastic coupling firmly with the fingernail, but not clinched on with a tool of any description.



### To Replace the Pick-Up Cartridge (BP.2304)

1. Unplug the pick-up leads.
2. Remove the screw beneath the stylus control knob.
3. Remove the stylus control knob and spring.
4. Withdraw the cartridge.
5. Replace using reverse procedure taking care not to damage the styli.
6. The black P.U. lead must be connected to the terminal on the green spot side of the cartridge.

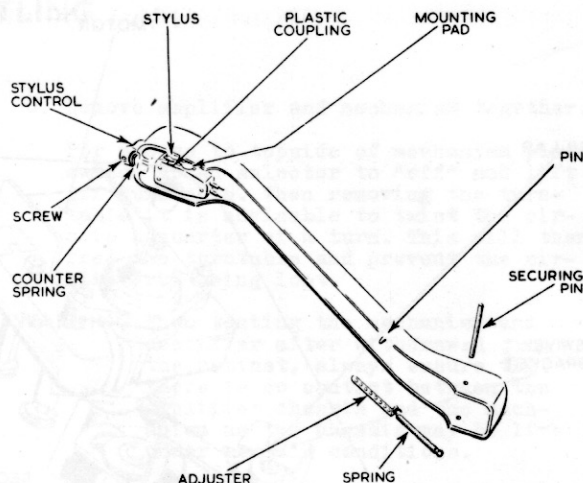


FIG. 6 UNDERSIDE VIEW OF PICK-UP

## MOTOR

### Electrical Data

Voltage, 210 volts, 50 c/s only.  
 Current, maximum 0.11 amps.  
 Insulation, not less than 50 MΩ at 500 volts D.C.  
 Consumption, maximum 11 watts.  
 D.C. Resistance of coil, 250 Ω (Early versions).  
 D.C. Resistance of coil, 270 Ω (Later versions).  
 Voltage at tap with valve connected 45 volts.  
 Voltage at tap with valve removed 55 to 57 volts.

### To Remove the Motor

1. Disengage the idler pulley by positioning the speed selector knob to "off".
2. Lift off the turntable.
3. Unsolder leads from the motor tags.
4. Remove the small circlips from supporting

pillars, taking care not to damage the retaining grooves. Then remove the larger height adjusting circlips, noting their quantity and position.

5. Remove motor and fibre washers.

If any serious fault develops in the motor, it should be returned complete to:-

Service Department, E.M.I. Sales & Service Ltd., Sheraton Works, Wadsworth Road, Greenford, Middlesex, England.

| Key | Description                 | Part No. |
|-----|-----------------------------|----------|
| 1   | Nut (2)                     | 200704   |
| 2   | Washer (2)                  | 201804   |
| 3   | Bottom Bearing Housing      | 46582A   |
| 4   | Ball Bearing                | 249      |
| 5   | Shading Ring                | 46581B   |
| 6   | Rotor & Top Bearing Housing | 96213A   |
| 7   | Securing Bolts              | 96215    |
| 8   | Coil                        | 96216A   |

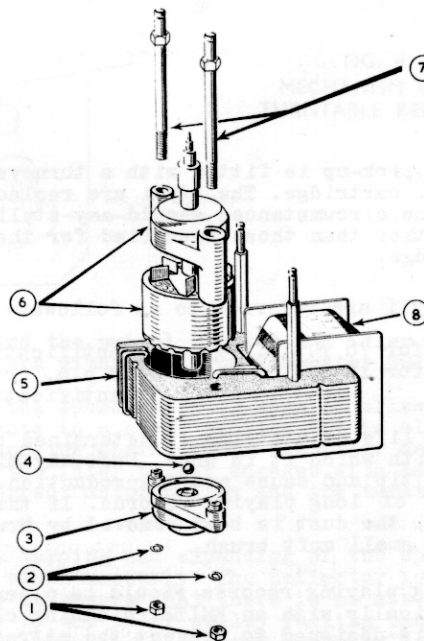


FIG. 7 EXPLODED VIEW OF MOTOR

## REPLACEMENT OF SPEED CHANGE CORDS

### CORD "S"

(See Fig.5)

1. Disconnect the instrument from the mains supply.
2. Set the speed selector knob to the "78" position.
3. Remove four round headed screws securing the mechanism to cabinet.
4. Lift out mechanism plate and balance in a suitable position.
5. Unsolder cord "S" (Length  $8\frac{1}{2}$ " ) at point "W".
6. The cord at point "X" is held in position by a small eyelet, the cord entering the eyelet at the top and coming up again on the outside. Unsolder the eyelet, pressing the eyelet from the top.
7. Unsolder the cord from the eyelet.
8. Thread the new cord through the hole from where the eyelet was removed and thread the eyelet on to the cord. Refit the eyelet from the bottom of the plate and solder into position.
9. Thread the cord through the brass tube attached to the mechanism plate, and then thread on the shaped brass tube.
10. Pass the cord round the speed selector at point "W", hold the end of the cord with a pair of pliers and adjust the length of cord so that the idler pulley is just  $\frac{1}{8}$ " below the top of the 78 r.p.m. pulley. Solder the cord into position.

### CORD "D" (LENGTH 9")

(See Fig. 5)

1. Set the speed selector to the "16" position.
2. The cord at point "Y" is threaded through an eyelet and doubles back through a small sleeve. Unsolder the sleeve and slide it away from the eyelet, then unsolder the cord from the eyelet.
3. The cord at point "Z" can be removed in the same manner as above.

4. When fitting a new cord, thread the small sleeve onto the cord, pass the cord through the hole at point "Z" doubling back through the sleeve again. Solder the cord into position.
5. Pass the cord through the eye, and then thread the small sleeve onto the cord, pass the cord through the hole at point "Y" doubling back through the sleeve again. Hold the cord with a pair of pliers and adjust the length of cord so that the edge of the idler pulley wheel is  $1/16$ " from the edge of the base plate cut-out marked "U" (See Fig.4). Solder the cord into position.

NOTE:- Use Multicore "Arax" for soldering the wire cord joints.

### CORD ADJUSTMENT

If cord "S" is correctly adjusted for length, the top of the rubber edged idler pulley wheel will be level with the top of the appropriate motor drive pulley in the 78,45 or 33 r.p.m. drive positions.

Adjustment for correct working height is made by bending the double curved adjustment tube shown on cord "S" in Fig. 5.

NOTE: If the idler pulley wheel is adjusted too high it will tend to ride up on to the next drive pulley. If adjusted too low, the lower edge of the idler pulley will foul the top edge of the adjacent larger drive pulley. This will cause wear of the rubber, incorrect speed of the turntable and bad wow.

If cord "D" is correctly adjusted for length, there will be no tension in the cord when the speed control knob is set in the 16 r.p.m. position. When the control is set in the "OFF" position the idler pulley will be approximately  $\frac{3}{8}$ " from the motor pulleys.

NOTE: Adjustment for cord "D" is made by moving the eye backwards or forwards. If cord "D" is too long, the idler pulley will not come clear of the motor pulley during speed changing, thus fouling the edge of an adjacent larger diameter drive pulley. If the cord is too short, the idler pulley will not properly engage both drive pulley and turntable.

## GENERAL ADJUSTMENTS

The pick-up playing weight is adjustable between 13 and 15 grammes. Adjustment is by means of the adjuster and spring located on the underside of the pick-up arm. See Fig.6.

If it is found that the idler pulley is engaging with the wrong motor pulley following a component replacement, the height

of the motor may be adjusted by the addition of circlips to the supporting pillars on the top side of the mechanism plate. After considerable use, a few drops of light machine oil should be applied to the turntable bearing, idler pulley bearing and the sliding bush attached to the spring.



# SPARE PARTS LIST

| PAKT No.   | DESCRIPTION  | No. PER INST. | FIN-ISH | PART No.                         | DESCRIPTION   | No. PER INST. | FIN-ISH |
|--|--|---------------|---------|----------------------------------|---|---------------|---------|
| <b>INSTRUCTIONS</b>  |  |               |         | 96255                            | Wood Spacer)securing                                    | 2             | 00      |
| 96371  | Instruction Card   | 1             | 00      | 200704                           | Nut )Amplifier  | 2             | 696     |
| 96377  | Guarantee Card   | 1             | 00      | 201804                           | SP Washer )Assembly                                     | 2             | 00      |
| <b>CABINET AND FITTINGS</b>  |  |               |         | 96200                            | Chassis Angle Plates                                    | 2             | 00      |
| 96257A   | Cabinet complete - Model 2007G only                            | 1             | 00      | 1735                             | Earth Tag on Valve mounting plate                       | 1             | 104     |
| 96257B   | Cabinet complete - Model 2007R only                            | 1             | 00      | 16757                            | Grommet on valve mounting plate                         | 1             | 00      |
| 164/305/Tygan for Baffle Board - 501 Model 2007G only                    |  | 1             | 00      | 39250N                           | V1 Valveholder  | 1             | 00      |
| 164/305/Tygan for Baffle Board - 802 Model 2007R only                    |  | -             | -       | -                                | UL84 Valve  | 1             | 00      |
| 96258A   | Handle - Model 2007G only                                      | 1             | 00      | 34680DK                          | TRL Output Transformer                                  | 1             | 513A    |
| 96258B   | Handle - Model 2007R only                                      | 1             | 00      | 59119AD                          | Rivets securing Output Transformer                      | 2             | 00      |
| 200042N  | Screws securing Loudspeaker to Baffle Board                    | 4             | 689     | 59007AA                          | Rivets securing Valveholder and Earth Tag               | 3             | 00      |
| 200042M  | Screws securing Baffle Board to Cabinet                        | 4             | 689     | 38150D                           | C2 & C4 Electrolytic Capacitor 350v                     | 1             | 00      |
| 200704   | Nuts )securing Baffle  | 10            | 696     | 38420C                           | C1 - 100 $\mu$ F Electrolytic Capacitor 12v             | 1             | 00      |
| 201304   | Washers )Board Loudspeaker & Handle                            | 10            | 689     | 38552ACM                         | C3 - .001 $\mu$ F 25% 1000v Capacitor                   | 1             | 00      |
| 96262  | PVC Channel on Baffle Board edge                               | 2             | 00      | 38190B                           | Clip for C2 & C4  | 1             | 00      |
| 168/306/Rexine Leathercloth 501 for lid & bottom (Green)                 | Model 2007G  | -             | -       | 200040G                          | Screw)securing Clip                                     | 1             | 689     |
| 168/306/Rexine Leathercloth 802 (Grey) for Cabinet sides & inside of lid | Only   | -             | -       | 200704                           | Nut ) to plate  | 1             | 696     |
| 168/306/Rexine Leathercloth 201 for lid & bottom (Red)                   | Model  | -             | -       | 200040M                          | Screw )securing Capacitor                               | 1             | 689     |
| 168/306/Rexine Leathercloth 802 for Cabinet sides & inside of lid (Grey) | 2007R only   | -             | -       | 200704                           | Nut ) in clip   | 1             | 696     |
| 173/399/Gold Bead 401  |  | -             | -       | 47019                            | Insulating Strip between Clip and Capacitor             | 1             | 00      |
| 19203  | Brads securing Gold Bead                                       | As req'd      |         | 37990G                           | RV1 - 2 M $\Omega$ volume control & Mains ON/OFF switch | 1             | 00      |
| 96259A   | Lid Catch  | 2             | 00      | 33362BK                          | R1 - 330 $\Omega$ 10% $\frac{1}{2}$ w Resistor          | 1             | 00      |
| 25627  | Woodscrews securing lid catches                                | 10            | 00      | 37873R                           | R2 - 3300 $\Omega$ 5% $\frac{1}{2}$ w Resistor          | 1             | 00      |
| 96260A   | Hinges   | 2             | 00      | 33362EH                          | R3 - 1.5 M $\Omega$ 20% $\frac{1}{2}$ w "               | 1             | 00      |
| 25628  | Woodscrews securing Hinges                                     | 8             | 00      | 35444                            | Earth Tag on RV1  | 1             | 104     |
| 9837   | Rubber Feet  | 4             | 00      | 46626B                           | Control knob for RV1                                    | 1             | 00      |
| 96261A   | Bell Feet  | 4             | 00      | 35508                            | Spring for control knob                                 | 1             | 00      |
| 95696E   | Combination Screws securing Amplifier Unit in Cabinet          | 2             | 00      | 38387A                           | MRL - Flat HT Rectifier                                 | 1             | 00      |
| 164/003/Felt packing pieces (under 110 Motor Plate) on mounting block    |  | 2             | 00      | 92447                            | Flat washer under nut fixing RV1                        | 1             | 689     |
| 165/001/Felt packing piece (under 102 Motor Plate) on front of cabinet   |  | 1             | 00      | 38750                            | Fixing nut for RV1                                      | 2             | 00      |
| 46440  | H.M.V. Trade Mark Transfer                                     | 1             | 00      | 146/010/071                      | Mains Lead in bulk                                      | 6ft           |         |
| 96267  | Transfer - "DO NOT CLOSE LID, etc".                            | 1             | 00      | 49651                            | Grommet on base plate for mains lead                    | 1             | 00      |
| <b>AMPLIFIER ASSEMBLY</b>  |  |               |         | <b>LOUDSPEAKER</b>               |   |               |         |
| 96200A   | Amplifier Assembly (less loudspeaker, valve, & Flat Rectifier) | 1             | 00      | 93790H                           | Slot Elliptical Loudspeaker complete                    | 1             | 00      |
|  |  |               |         | 96208A                           | Spider Assembly   | 1             | 00      |
|  |  |               |         | 93788C                           | Cone & Coil Assembly                                    | 1             | 00      |
|  |  |               |         | 96210                            | Dust Cover  | 1             | 00      |
|  |  |               |         | 36863                            | Dust Cap  | 1             | 540     |
|  |  |               |         | 93793                            | Card Ring   | 1             | 00      |
|  |  |               |         | 91977B                           | Socket Panel Assembly                                   | 1             | 00      |
|  |  |               |         | 59119CB                          | Rivets securing socket panel                            | 2             | 00      |
|  |  |               |         | 31852                            | Loudspeaker lead plugs                                  | 2             | 944     |
|  |  |               |         | 201304                           | Washer)securing loudspeaker                             | 4             | 689     |
|  |  |               |         | 200704                           | Nut )to Baffle Board                                    | 4             | 696     |
|  |  |               |         | <b>RECORD PLAYER UNIT (HOME)</b> |   |               |         |
|  |  |               |         | 96230B                           | 4 Speed Record Player complete                          | 1             | 00      |

