OWNER'S MANUAL

ARISTON AUDIO RDIIs

TRANSCRIPTION RECORD PLAYER

MODEL NOS:

RDIIs Chassis Unit
RDIIs/PC
RDIIs/PC1007

IMPORTANT: Read this manual before unpacking the unit.

INTRODUCTION

As the owner of a Dunlopwestayr Ariston RDlls turntable, you have at your command a high performance, precision built instrument which guarantees the best in record reproduction. In order to maintain these qualities, and for the protection of your records, careful attention should be given to the Assembly and Operating Instructions contained in this manual.

CONTENTS

1. IMPORTANT INSTRUCTIONS

1.1. It is critical that the main bearing does not become contaminated by dust or any other foreign matter. Such a condition can be avoided by retaining and replacing the red sealing plug it at any time the turntable drive hub is removed.

1.2. Do not attempt to dismantle the motor/drive pulley assembly as this unit is tuned, during production, to provide optimum performance.

1.3. The RD11s can be supplied for service on 220-240v 50Hz or 110v 60Hz AC mains supply. Before connecting to the mains supply, check both the supply voltage and other information on the rating plate of the unit. If required, at any time, a mains supply conversion kit can be obtained from your local dealer.

2. UNPACKING

2.1. Turn the carton over and lift clear of the contents.

2.2. Remove only the upper half of the packing to expose contents.

2.3. Lift out the drive hub and platter and place them carefully aside on a dust free surface.

2.4. Remove the accessory pack, which contains the stylus alignment protractor, drive belt, tone arm board socket wrench and where applicable, the tone arm bias weights.

2.5. Remove plinth and cover. If an arm is fitted, they should be removed simultaneously in order to avoid damage to the arm.

2.6. Remove all protective coverings.

2.7. Retain all packing materials for future use.

3. GENERAL ASSEMBLY & OPERATING INSTRUCTIONS

3.1. If no arm is supplied, refer to Section 5 in conjunction with the fitting instructions supplied with the tone arm of your choice.

3.2. Place the plinth assembly on a flat surface. Remove the suspension clamp screws, the red bearing plug and cable retaining bands.

3.3. Fit the drive hub, allowing the shaft to descend gently into the main bearing - do not use force.

3.4. Remove the packing piece from under the motor pulley and fit the drive belt on the motor pulley and drive hub.

Small pulley for 33.1/3 r.p.m.
Large pulley for 45 r.p.m.

For subsequent speed changing, lift off the record platter and re-position drive belt on pulley.

3.5. Place the record platter on the drive hub, ensuring that is is located on the hub spiggot.

3.6. The design of the cover and hinges is such that the cover will remain open in any desired position. It can also be easily lifted clear of the unit to cater for low overhead shelves etc.

3.7. If an AT1007 tone arm is fitted, refer to Section 6 to carry out the necessary adjustments.

3.8. When the arm and cartridge are installed and properly adjusted, the unit can be connected for operation.

a) Connect the supply cable to the power outlet, if available, on the rear of your amplifier, or use a suitable adaptor to connect directly to the mains supply.

b) The tone arm outlets on the AT1007 arm are standard model phono connector plugs.

COLOUR CODE:	RED	-	Right-hand Channel
	GREY	-	Left-hand Channel

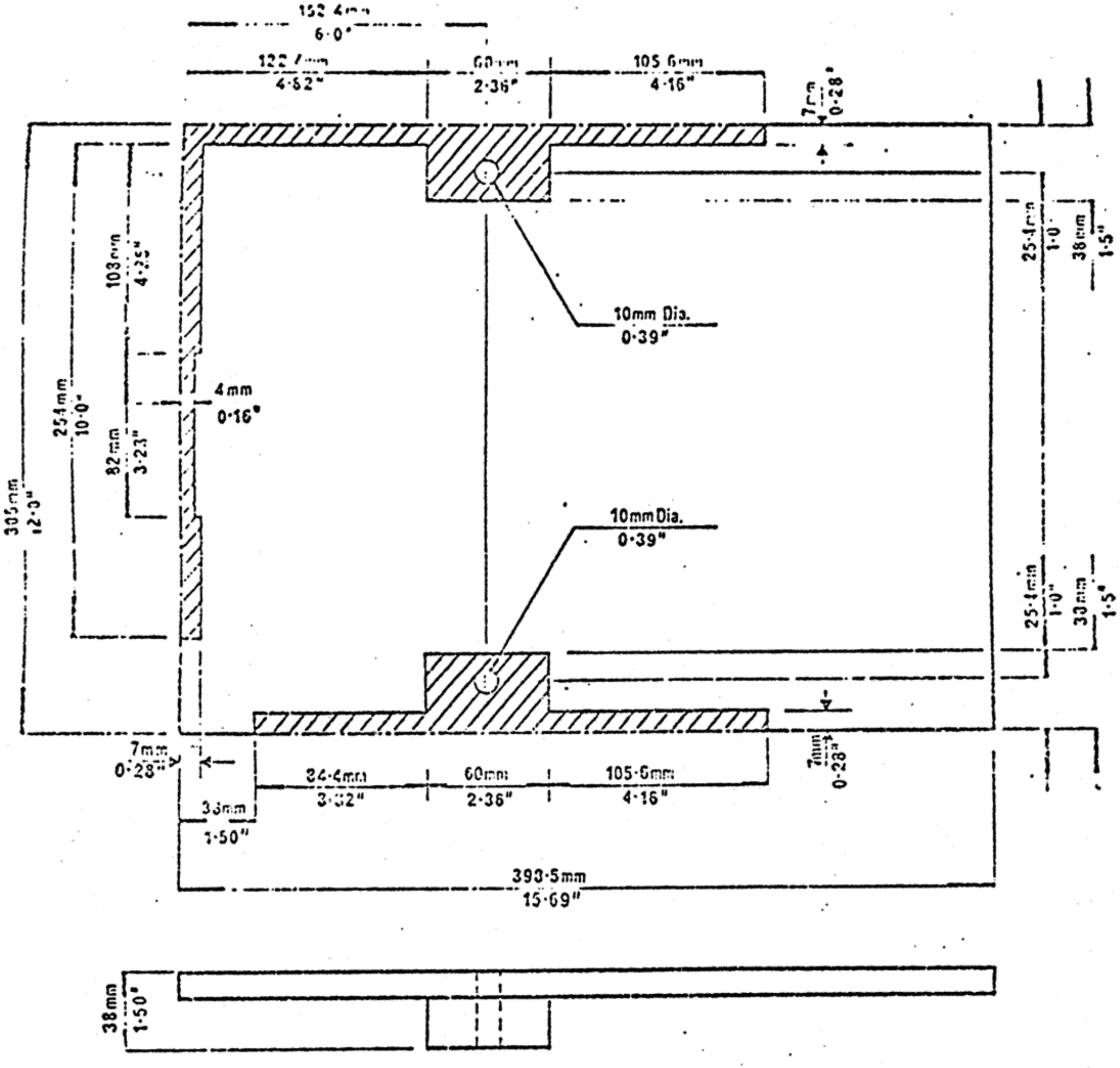
Should these plugs be unsuitable for your amplifier, a good quality adaptor should be purchased from your dealer (example, Phono plug female sockets/5-pin DIN model plug).

Earth Loops

Depending on the amplifier in use, it is advisable to experiment with the earth wire from the tone arm in order to avoid earth hum.

Try the unit with the earth lead connected to the amplifier, if hum occurs, remove it.

3.9. Ensuring that the turntable speed is compatible with record, (see paragraph 3.4.), the deck may now be switched on by operating the ON/OFF switch.



If it is required that the unit be flush mounted the shaded portion of the aperture drawing should be recessed 1.65mm (0.065") below the top surface of the mounting board.

4. RD11s CHASSIS MODEL

4.1. The chassis model requires a 398.5mm (15.7") x 305mm (12") mounting aperture with a minimum of 75mm (3") clearance between the upper surface of the deck top plate and any underneath obstruction in order to accept the motor and suspension assembly etc. Refer to the cutting and mounting details shown. If it is required that the unit be flush mounted, the shaded portion of the aperture drawing should be recessed 1.65mm (0.065") below the top surface of the mounting board.

4.2. When the mounting arrangement is complete, remove nuts and washers retaining the terminals block channel. Carefully move the channel aside, taking care not to strain or disconnect any of the wires. Gently lower the unit into position, ensuring that both the long retaining screws pass through the holes in the mounting blocks.

4.3. Refit the terminal block channel over the bottom of the mounting blocks, then refit washers and nuts.

Ensure that the earth wire is relocated in the position indicated. It is important that, after assembly, the unit is level in its mounting. If this is not so, subsequent adjustment will be affected.

4.4. The turntable is now ready for assembly. Refer to Section 3, paragraphs 3.3 to 3.5.

4.5. If a tone arm is not fitted, refer to Section 5, paragraphs 5.1., 5.2. and 5.5.

4.6. The tone arm board may now require levelling. This is achieved by adjusting the three Blue spring tension nuts located below the chassis. When viewed fron underneath, turn clockwise to raise and anti-clockwise to lower.

4.7. On completion of operation 4.5, the tone arm board may require entralising in the aperture. This is achieved by rotating the suspension spring cam washers. Re-check levelling as detailed in operation 4.6., and refit the plinth base.

5. RD11s/PC Model

5.1. This model is available with the tone arm board pre-cut for the SME range of tone arms, or with the board uncut to allow a tone arm of your choice to be mounted. Please refer to the relevant manufacturers instructions in all cases.

5.2. The tone arm board is removed for cutting and/or fitting of the arm by withdrawing the two retaining set screws using the socket wrench supplied in the accessory pack.

5.3. The plinth base is removed by withdrawing the four screws located in the plinth feet: this is necessary to allow entry of the cable to the tone arm through the slot pre-cut in the rear of the plinth, or when carrying out any levelling or centralising adjustments as detailed in Section 4, paragraphs 4.6 and 4.7.

5.4. When the tone arm is cofrectly mounted, refer to Section 3, paragraphs 3.3 to 3.5. The turntable and board may now require levelling or centralising. Again refer to Section 4, paragraphs 4.6 and 4.7.

5.5. When fitting the cartridge, always adhere to the instructions provided by the manufacturer.

5.6. On completion of the above instructions refer to Section 3 - General Assembly and Operating Instructions.

6. RD11sPC1007 Model

6.1. Refer to and carry out the instructions given in Section 3 and Section 4, paragraphs 4.6 and 4.7, of this manual.

6.2. Installation of Cartridge

a) Remove the tone arm headshell by unscrewing the ring at the rear of the headshell in a clockwise direction, also the black plastic bridge piece from the underside of finger lift. Retain the finger lift and screws.

b) Connect the leads from the tone arm to the rear of the cartridge - the correct order of connection is as follows:-

RED R+	(Right-hand Channel)
GREEN R-	(Right ground)
WHITE L+	(Left-hand Channel)
BLUE L-	(Left ground)

Always refer to cartridge manufacturer's fitting instructions during installation.

Never solder leads to the pins on the rear of the cartridge.

c) Select suitable length screws either from the accessory pack or cartridge manufacturer's hardware, the selected screws being located into the threaded holes on the finger lift.

Do not, at this stage, over-tighten these screws as the cartridge still has to be aligned.

Refit headshell/cartridge assembly to tone arm.

d) The stylus alignment is now set by using the "Ariston" alignment protractor provided.

Method: Pierce protractor with pin, as indicated, and place on the turntable with the pre-cut hole on protractor located over the centre pin of the turntable. Position the cartridge with its sides parallel to the lines on the protractor, with the stylus point in the hole previously pierced. Remove headshell/cartridge assembly and carefully tighten the cartridge retaining screws.

Do not over-tighten these screws as this could cause damage to cartridge.

Refit headshell/cartridge assembly to tone arm and re-check for alignment and stylus position.

6.3. Adjusting Arm Height

a) When making this adjustment, great care must be taken to ensure that the stylus does not strike the tone arm board or turntable platter.

b) Place on "old" record on the turntable and lower the tone arm into the playing position.

c) If the arm requires adjustment, replace the tone arm in the rest provided and gently slacken the screw at the base of the tone arm pillar. Re-position the tone arm in the playing position and, very carefully, raise or lower the arm until an imaginary line along the centre of the arm is parallel with the record. Very carefully re-tighten the locking screw only sufficiently to hold the arm at the desired level. Replace the arm in the rest and completely tighten the locking screw.

d) If necessary, adjust the tone arm rest pillar so that the tone arm is in the horizontal position when not in use.

e) Adjust the height of the hydraulic lift by slackening the clamping screw and by raising or lowering the assembly until it operates to your satisfaction, then re-tighten clamping screw.

6.4. Adjusting Stylus Pressure

a) Set the vernier calibration knob on the rear of the arm to zero and ascertain whether the large or small counter-balance weight is required by first sliding the small weight onto the rear of the arm. If the cartridge proves too heavy, remove the small weight and replace by the large weight, adjusting this till the arm balances in the horizontal position.

b) When horizontal free balance is obtained, set the adjustment knob, which is calibrated in 0.1 grammes per mark, to the recommended tracking weight of your cartridge.

6.5. Adjusting the Anti-Skating Bias

a) For stylus pressures of less than 1.5 grammes, use the smaller of the two anti-skating weights supplied by placing the loop on the bias weight thread over the graduated bar on the arm in the position as indicated below:

Stylus pressure of 0.5 grammes - innermost ring
Stylus pressure of 1.0 grammes - middle ring
Stylus pressure of 1.5 grammes - outer ring

Place the bias weight thread over the wire support, ensuring that the weight hangs free.

b) For stylus pressures of more than 1.5 grammes, use the larger of the anti-skating weights supplied by applying the loop on the bias weight thread over the graduated bar on the arm in the position as indicated below:

Stylus pressure of 1.5 grammes - innermost ring
Stylus pressure of 2.0 grammes - middle ring
Stylus pressure of 2.5 grammes - outer ring

Place bias weight thread over the wire support, ensuring that the weight hangs free.

6.6. Refer to Section 3, paragraphs 3.7 and 3.8 for operating instructions.

7. MAINTENANCE

7.1. Main Bearing

Although the main bearing is self-lubricating and requires only a film of light machine oil once every twelve months to protect the shaft from atmospheric contamination, no harm will be done by more regular applications of oil.

7.2. Motor/Clutch Assembly

The clutch assembly should be lubricated once every three months by placing a small drop of light machine oil between the pulley top and the clutch spring retaining washer.

7.3. Drive System

The periphery of the drive hub, drive pulley and belt, should be kept free from any traces of oil or grease. Should they become contaminated, clean them with a lint-free cloth, dampened with methylated or similar type spirit.

7.4. Exterior Finish

The plinth and cover may be cleaned by the use of any proprietry household wax-type polish.

7.5. Do not use anything other than a clean, dry cloth on the polished and lacquered surface of the record platter or drive hub.

Motor lead colour code:-

A. RED
B. GREY
C. GREY
D. BLUE

Note: To identify electrical components cross refer the Item Nos. to paragraph 8.2. "Schedule "A" Parts".

8. SPARE PARTS

8.1. A system has been devised to separate essential and non-essential spare parts.

8.2. Schedule "A" Parts - These are parts which, if damaged, will cause mal-functioning of the turntable.

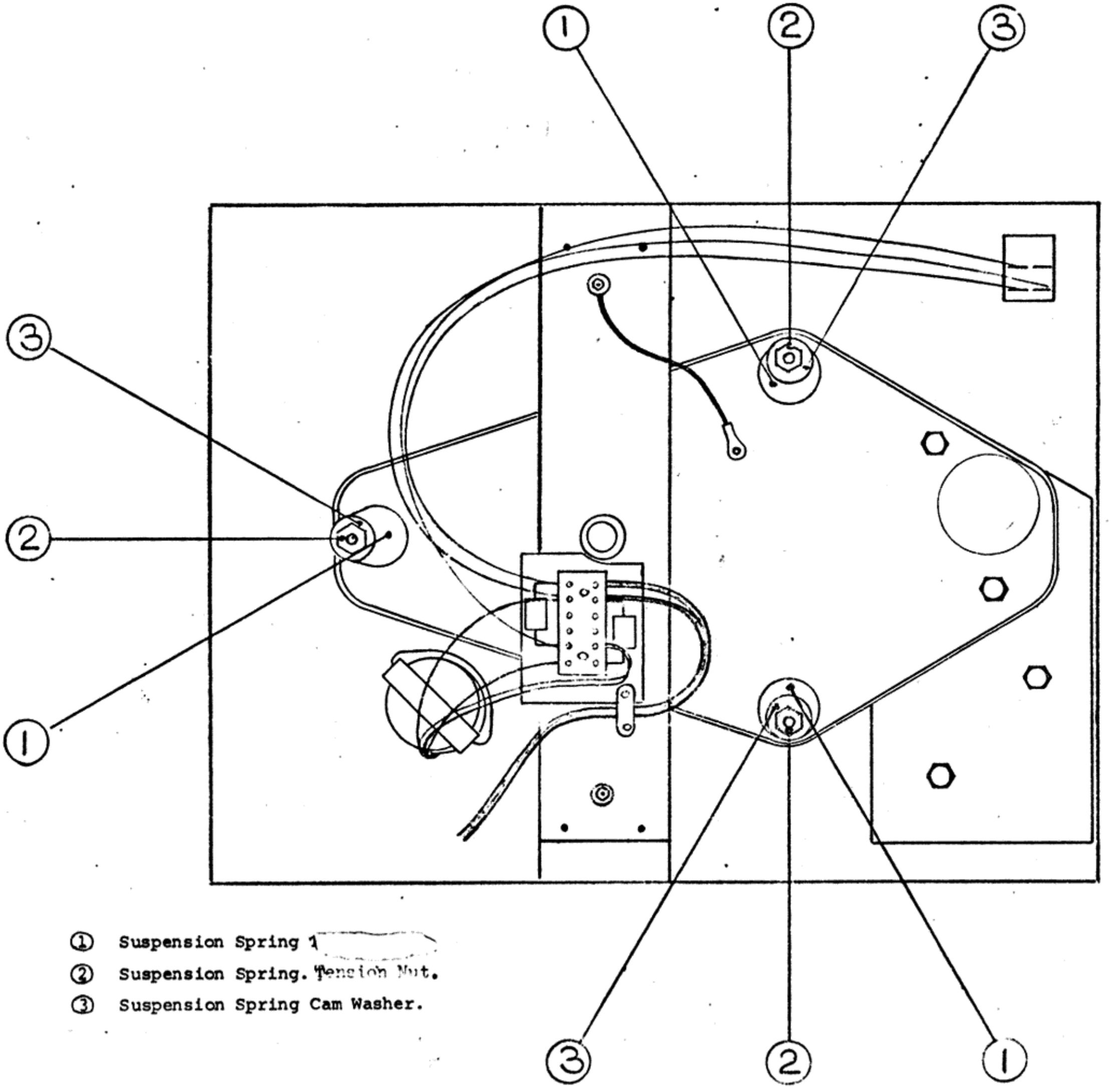
These parts are listed hereunder.

Item No.	Description	Part No.	Unit Qty.
1	Rocker Switch (240v)	212500/0032	1
1A	Rocker Switch (110v)	212501/0032	1
2	Terminal Block	212500/0068	1
3	Capacitor	212500/0018	1
3A	Capacitor	212501/0018	1
4	Start Capacitor	212500/0016	1
4A	Start Capacitor	212501/0016	1
5	Mains Cable (Standard)	212501/0019	1
5A	Mains Cable (America, Canada)	212500/0019	1
6	Motor	212500/0015	1
7	Pulley (50Hz)	212502/0008	1
7A	Pulley (60Hz)	112503/0008	1
8	Circlip	212500/0014	1
9	Retaining Disc	112500/0007	2
10	Conical Spring	212500/0058	1
11	Clutch Pad	112500/0006	1
12	Switch Lead	212500/0084	1
13	Switch Lead	212500/0083	1
14	Switch Lead	212500/0082	1
15	Resistor	212500/0017	1
15A	Resistor	212501/0017	1
16	Ball Bearing (Main Shaft)	212500/0013	1

The Model Number and Serial Number of your turntable must always be quoted when ordering spares or making enquiries.

8.3. Schedule "B" Parts - These are parts which, if damaged, will not render the turntable unfunctionable; they should, however, be replaced as soon as possible.

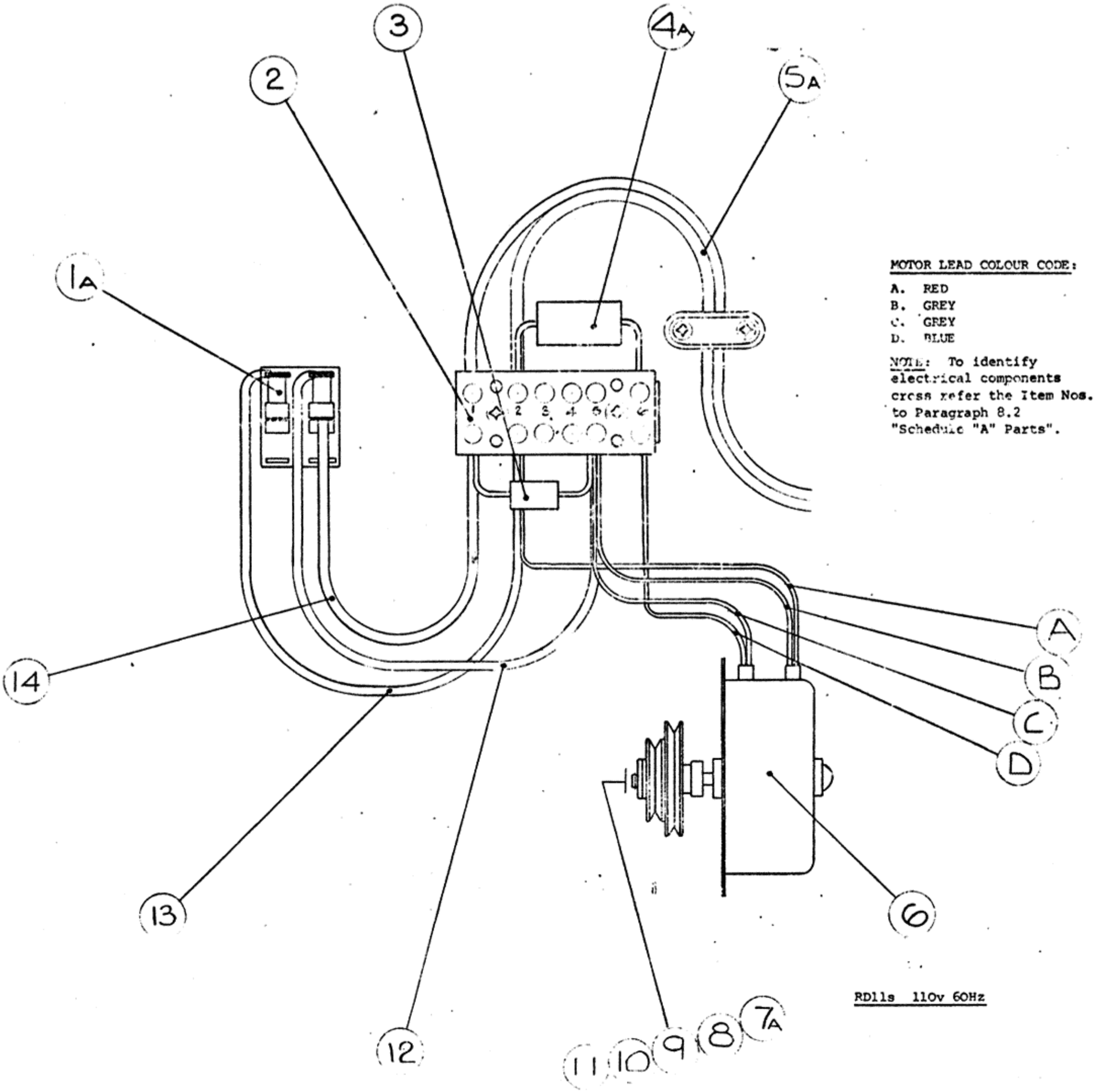
Due to the nature of these parts no list is given in this manual.



① Suspension Spring 1

② Suspension Spring. Tension Nut.

③ Suspension Spring Cam Washer.

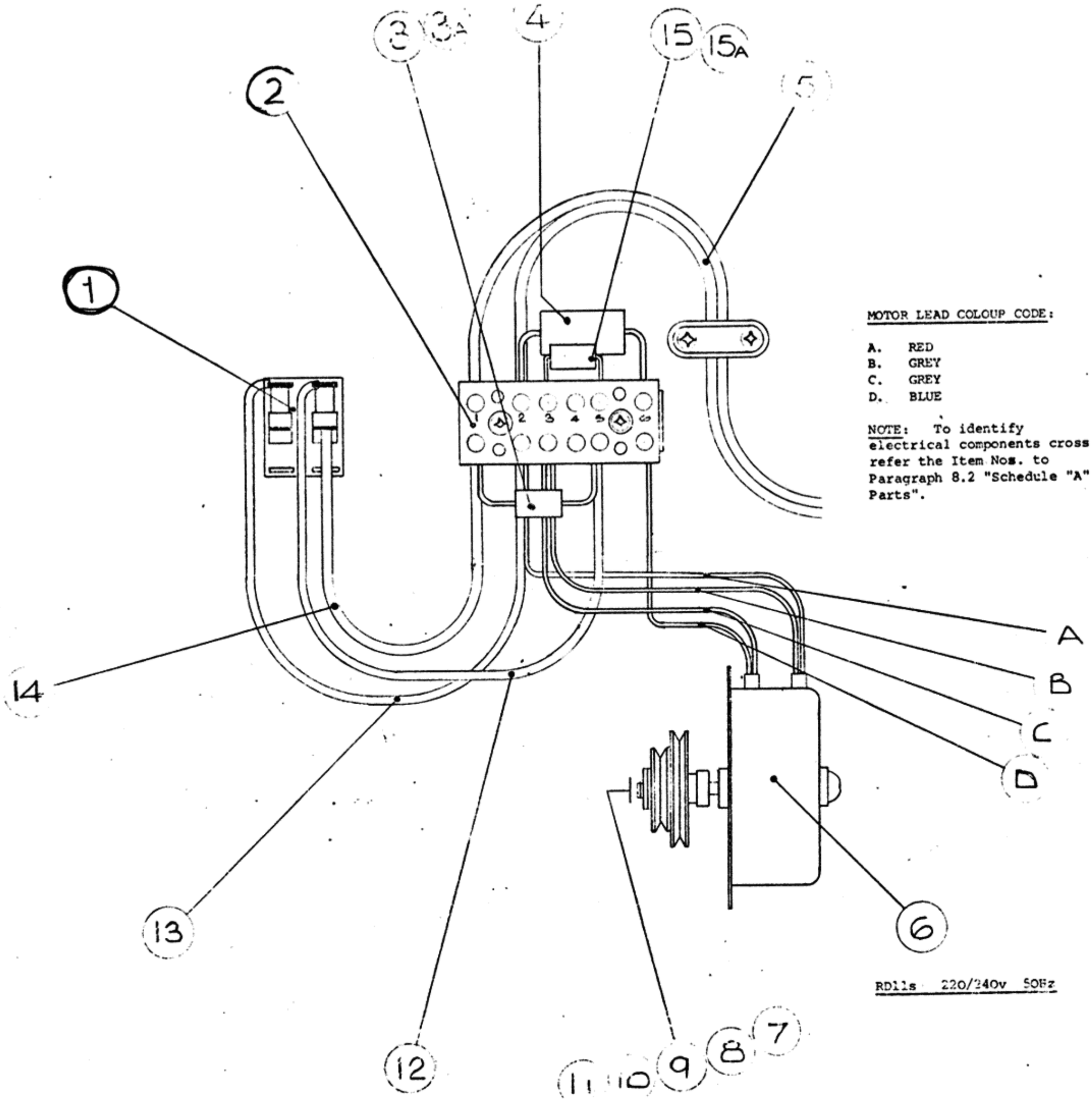


MOTOR LEAD COLOUR CODE:

A. RED
B. GREY
C. GREY
D. BLUE

NOTE: To identify electrical components cross refer the Item Nos. to Paragraph 8.2 "Schedule "A" Parts".

RD11s 110v 60Hz



MOTOR LEAD COLOUP CODE:

A. RED
B. GREY
C. GREY
D. BLUE

NOTE: To identify electrical components cross refer the Item Nos. to Paragraph 8.2 "Schedule "A" Parts".

RD11s 220/240v 50Hz