

TEMPORARY TECHNICAL SERVICE MANUAL

B·I·C MODELS

911, 912, 912C, 914, 914C

CONTENTS

Page

2	FAULT FINDING CHART
6	ANALYSIS OF MECHANISM
12	GENERAL DISASSEMBLY
16	ADJUSTMENTS Brake Pin Cueing - repacking silicon compound Motor Pulley Height Wiring Diagrams
19	Lubrication Exploded View/Parts List

Note: See the Owner's Manual for proper setup procedure and any adjustments not covered in the Service Manual.

B•I•C SERVICE HOT LINE

800 645-3106

FAULT FINDING CHART

(All reference numbers shown on this chart correspond to the Exploded View.)

SYMPTOM	CAUSE	REMEDY
<u>AC SUPPLY</u>		
Unit fails to start	Open or improperly wired power supply	Re-wire
	AC switch defective or mis-aligned (#80)	Replace or re-align
<u>TONEARM</u> (Excluding 911)		
1. Lowers to incorrect position	Stylus overhang incorrect	Reset
	Setdown improperly adjusted	Re-adjust by turning setdown adjustment screw(See Owners Manual)
	Pickup lever (#70) bent	Re-align
2. Lift is too high or too low	Lift height screw mis-adjusted (#35)	Re-adjust by turning lift height screw (See Owners Manual)
3. Lands at 45 position when set at 33	Pickup lever (#70) not engaging correct step on size selector lever (#127)	Observe point pickup lever engages size lever, re-align
	Size selector lever (#127) binding	Check for free movement, check that spring (#128) is installed
4. Tonearm drift	Cue brake pin (#41) out of adjustment	See page 16

SYMPTOM	CAUSE	REMEDY
5. Fails to track	<p>Transit screws fully tightened (#145)</p> <p>Tonearm leads too tight</p> <p>Pickup lever (#70) bent, hitting on main cam (#98)</p> <p>Cue brake pin (#41) not disengaging</p> <p>Lateral friction</p>	<p>Loosen screws by turning clockwise</p> <p>Free tonearm leads</p> <p>Re-align</p> <p>See Page 16</p> <p>Check lateral bearing (#31) and pivot, clean or replace</p>
6. Stylus does not track first grooves of record	<p>Setdown not properly adjusted</p> <p>Cue brake pin (#41) improperly adjusted</p>	<p>Re-adjust - See Owners Manual</p> <p>See Page 16</p>
7. Stylus sticks on last band of record	<p>Pickup lever (#70) bent, rubbing on main cam (#98)</p> <p>Tonearm leads too tight</p> <p>Excessive friction in trip mechanism</p>	<p>Re-align</p> <p>Redress leads for more slack</p> <p>Clean pivot with cotton swab saturated in alcohol</p>
8. Tonearm will not leave rest post	<p>Cam gear (#98) does not cycle</p> <p>Spring (#138) on drive plate (#133) missing</p>	<p>Replace</p> <p>Repalce</p>
9. Tonearm movement rough	<p>Drive plate (#133) bent or movement restricted</p>	<p>Reshape/lubricate pivot and point of contact with lift pin (#43)</p>

SYMPTOM	CAUSE	REMEDY
<u>TURNTABLE SPEED</u>		
1. Consistently fast or slow	Motor pulley height mis-adjusted, belt rubbing	Re-adjust - top of pulley must be level with top of speed cam (#192)
	Grease or oil on drive surfaces	Clean drive surfaces with alcohol
2. Turntable does not revolve	Belt off pulley	Re-install - See Owners Manual
	Defective drive motor (#185)	Replace
3. Variable pitch control inoperative	Belt off (#170 & 173)	Re-install or replace
	Expanding motor pulley (#187)	Repair or replace
<u>CUE AND CYCLE</u>		
1. Arm will not cue up	Cue lever (#120) off cue spool (#116)	Repair or replace
	Screw stripped (#119)	Replace
	Cue link (#112) deformed	Re-align or replace
2. Arm will not cue down	Cue link (#112) bent	Re-align or replace
3. Cues too fast	Insufficient silicon compound	Repack lift pin (#43) See Page 17
4. Will not cycle when play key is depressed	Reject rod (#110) bent, binding	Re-align or replace
	Spring (#111) missing	Replace
	Reject lever (#90) binding	Check for free movement
	Trip pawl (#96) not resetting, sticking	Clean pivot with alcohol

SYMPTOM	CAUSE	REMEDY
5. Fails to trip	Pickup lever (#70) bent, not contacting trip pawl plate	Re-align
	Trip pawl (#96) not engaging cog on platter, insufficient reset	Re-align or replace
	Trip pawl pivot contaminated	Clean with alcohol
6. Continuous trip	Reject lever (#90) does not reset	Check for free movement
	Trip mechanism not re-setting	Re-align or replace

ANALYSIS OF THE MECHANISM

All reference numbers correspond to the Model 911 thru 914C exploded view.

CUEING

As the cue lever (#120) is moved forward the cue spool (#116) rotates and drives the cue link (#112). The other end of the cue link impulses the rocker plate (#44) down, raising the opposite end of the rocker plate and the lift pin (#43). The lift pin rises thru the pickup base raising the tonearm.

The lift pin cylinder (#34), thru which the lift pin (#43) passes, contains silicon compound. This provides slow, gentle tonearm lift.

When the cue lever (#120) is returned to the play position the cue spool (#116) rotates allowing the cue link to move. This allows the rocker plate (#44) to move in the opposite direction. When this occurs the lift pin (#43) is lowered allowing the tonearm to descend. The silicon compound in the cue cylinder (#34) allows slow gentle descent of the tonearm.

ADJUSTABLE CUEING RATE

You should now already understand how the cueing device operates and, as you will see, if the tension of the compression spring (#46) acting against the rocker plate (#44) is varied, the amount of thrust given to the lifting pin will also vary. The heavier the spring

compression, the faster the pin will move through the damping compound.

TURNTABLE ROTATION AND SPEED CHANGE

Turntable Rotation: The turntable begins to revolve when the following electrical and mechanical actions occur:

When the program knob (#60), which is attached to the detent slider (#89), is moved from "Off", it impulses the program link (#86) which moves the program cam (#124). This closes the AC Switch (#80) which starts the motor revolving. The schematic of the electrical components is included in this manual and, if power is not being supplied to the motor, please refer to the schematic. As the motor revolves, the motor pulley (#187) which is locked to the motor shaft through a set screw (#188) also revolves. When the motor pulley revolves, the drive belt (#4) also turns which causes the platter to revolve.

NOTE: The Model 911 is a manual turntable. The AC switch is located directly beneath the Stop/Start key. When the Stop/Start key is depressed the AC switch allows the motor to be energized.

33 and 45 Speeds: The speed of the motor is 300 RPM. To achieve 33 and 45 speeds, the belt is moved from one position on the motor pulley to another position on the motor pulley.

The speed control knob (#61) moves the speed/size rod (#82) which moves the speed change lever (#54). The speed change cam (#192) is attached to the speed change lever (#54) and as the lever moves, the cam moves with it.

You will notice that there are two cam surfaces on the speed change cam. The lower surface, for the 33 position, pushes the belt upward so that it engages the 33 RPM step of the motor pulley. The upper surface pushes the belt down from the 33 RPM step to the 45 RPM step of the motor pulley.

Record Size: The size of the record to be played is set when speed is selected. When the speed/size knob (#61) is set to 33 the speed/size rod (#82), which travels in a slot in the unit plate, allows the size selector lever (#127) to pivot to its maximum. As the tonearm moves inward the pickup lever (#70) stops at the edge of the size selector lever (#127). This prevents the tonearm from landing past the setting for 12" 33 RPM.

When the speed/size knob (#61) is set at 45, the speed/size rod (#82) prevents the size selector lever (#127) from pivoting, permitting the pickup lever (#70) to move further inward. The step on the size selector lever (#127) stops the pickup lever (#70) and the tonearm at the correct setting for 7" 45 RPM.

AUTOMATIC PLAY AND SHUTOFF - Excluding Model 911

As the program knob is moved from OFF to the number of records selected, the slider detent (#89) and program link (#86) also move. One end of the program link (#86) passes thru the program cam (#124) and the subchassis. When the program knob (#60) is moved to any number on the control panel, the program link (#86) registers in the equivalent detent in the program cam (#124).

Play Key: Depressing the play key (#11) causes the reject rod (#110) to rotate. This rotation allows the reject lever (#90) to be pulled by spring #91. The end of the reject lever (#90) nearest the main cam (#98) swings towards and impulses the trip pawl (#96).

A cog on the platter hub engages the trip pawl and the cam gear is driven to allow its gear teeth to engage the teeth on the turntable hub.

As the cam gear rotates, a pin on the cam moves the secondary program cam (#123) to the left. (The secondary program cam has the same number of teeth as the main program cam.) As it moves to the left, one of the teeth engages and steps down the program link (#86) halfway to the next position. As the main cam (#98) continues rotation, a second pin moves the main program cam (#124) to the right. As it swings right its teeth also engage the program link (#86) completing step down to the next position.

This process continues throughout each automatic cycle until the "Manual" position is reached. At this point the program link (#86) will be in the last detent of the program cam (#124). During the last cycle, the program cam (#124) moves the program link (#86) into the angled portion of the program cam. The program cam swings to the left, opening the AC switch (#80) which shuts off the power supply.

NOTE: Single Play Automatic Models 912 and 914 differ from the above in the following: When the program knob (#60) is moved to the Repeat position, the program link (#86) moves into an area in the

secondary program cam (#123) which has a blanked toothless area. The program link cannot be stepped down in this position and the unit will continue to cycle indefinitely, until manually moved down to the next position.

AUTOMATIC CYCLE

When automatic cycle is initiated, the turntable causes the cam gear (#98) to rotate. This gear has an eccentric track which varies in depth and causes the drive plate (#133) to move both in and out and up and down. The latter motion causes the tonearm to move up and down and the former motion allows it to move in and out. As the cam gear (#98) rotates, the cam follower on the drive plate (#133) is driven down causing the opposite end to raise. This pushes up the lift pin (#43) which raises the tonearm. As the arm raises, the cam follower is driven outward. This motion is transmitted to the pickup lever (#70) which causes the tonearm to move outward. As the cam continues to rotate, the eccentric track moves the drive plate (#133) inward and, in turn, the tonearm is moved inward until the pickup lever (#70) engages the size selector lever (#127). The drive plate (#133) disengages from the pickup lever and enters the deepest portion of the track releasing the lift pin. The cam is now in the neutral position and stops moving. The tonearm descends to the record and begins tracking inward.

When the tonearm reaches the lead out grooves at the end of the record, the pickup lever (#70) drives the trip pawl plate (#95) inward carrying the trip pawl (#96) inward. The trip pawl engages the cog on the platter and auto cycle is initiated. This process

continues until the last record is completed. At this time the stop lever (#129) engages the vertical extension of the pickup lever (#170) which holds the tonearm over the rest until the cycle is completed. The tonearm lowers into the rest and the unit switches off.

VARIABLE PITCH CONTROL

The variable pitch control allows the speed of the platter to be increased or decreased. Variable speed is achieved by expanding or contracting the pulley which works as follows. The pitch control knob (#177) is connected to an idler pulley (#171) through a belt (#179). A second, smaller belt (#170) is also connected to the idler pulley and when the pitch control knob is rotated toward either plus (+) or minus (-) this motion is transmitted to the idler pulley. As the idler pulley rotates either clockwise or counter-clockwise, the smaller belt causes the lift pulley (#183) to turn. The lift pulley rotates up or down on a threaded screw. As the lift pulley is raised, (by turning the pitch control toward +), the pulley expander is driven upward inside the motor pulley (#187). This increases the circumference of the pulley (#187) thus increasing platter speed. Lowering the lift pulley (by turning the pitch control toward -) allows the pulley expander to lower, decreasing the circumference of the motor pulley and, in turn, decreasing platter speed.

GENERAL DISASSEMBLY INSTRUCTIONS

The exploded view provides useful illustrations which, in most cases, will answer your questions regarding disassembly. We list below some general disassembly instructions:

Top Cover - The steps for disassembling the top cover have been coded to the diagram provided. Before disassembling be certain to disconnect the unit from the power supply.

- A. Remove the stylus.
- B. Remove the counterbalance weight.
- C. Remove the platter. Instructions for removing the platter are in the Owners Manual.
- D. Use a No. .050 Allen key to loosen the screws which hold the pickup rest and record support in place. Only changer turntables have the record support and in later production units the record support plugs in.
- E. Use a small screwdriver and lift up the tonearm slot cover located directly under the rear of the tonearm. This cover is held in place by four tabs.
- F. Remove the anti-skate knob by grasping and lifting straight up.
- G. There are eight 3/16" hex slotted screws located on the underside of the unit which must be removed. One of the screws is located under the audio cables, which must be unplugged.

H. Early production units have a one piece aluminum cue knob/lever, later production units have a round cue lever with a press on knob.

If the unit has a one piece cue lever the control trim must be removed. Lift the edges of the trim until it is free, rotate the trim 90° and lift from the cue lever. If the trim is bent when removed contact B·I·C/Avnet, Westbury, N.Y. 11590 and a replacement trim will be sent no charge.

(See Ref. No. 9 on the exploded view for correct replacement part number.)

It is not necessary to remove the control trim from units with a pressure fit cue knob. Simply grasp the cue knob and pull straight up to remove the knob from the cue lever.

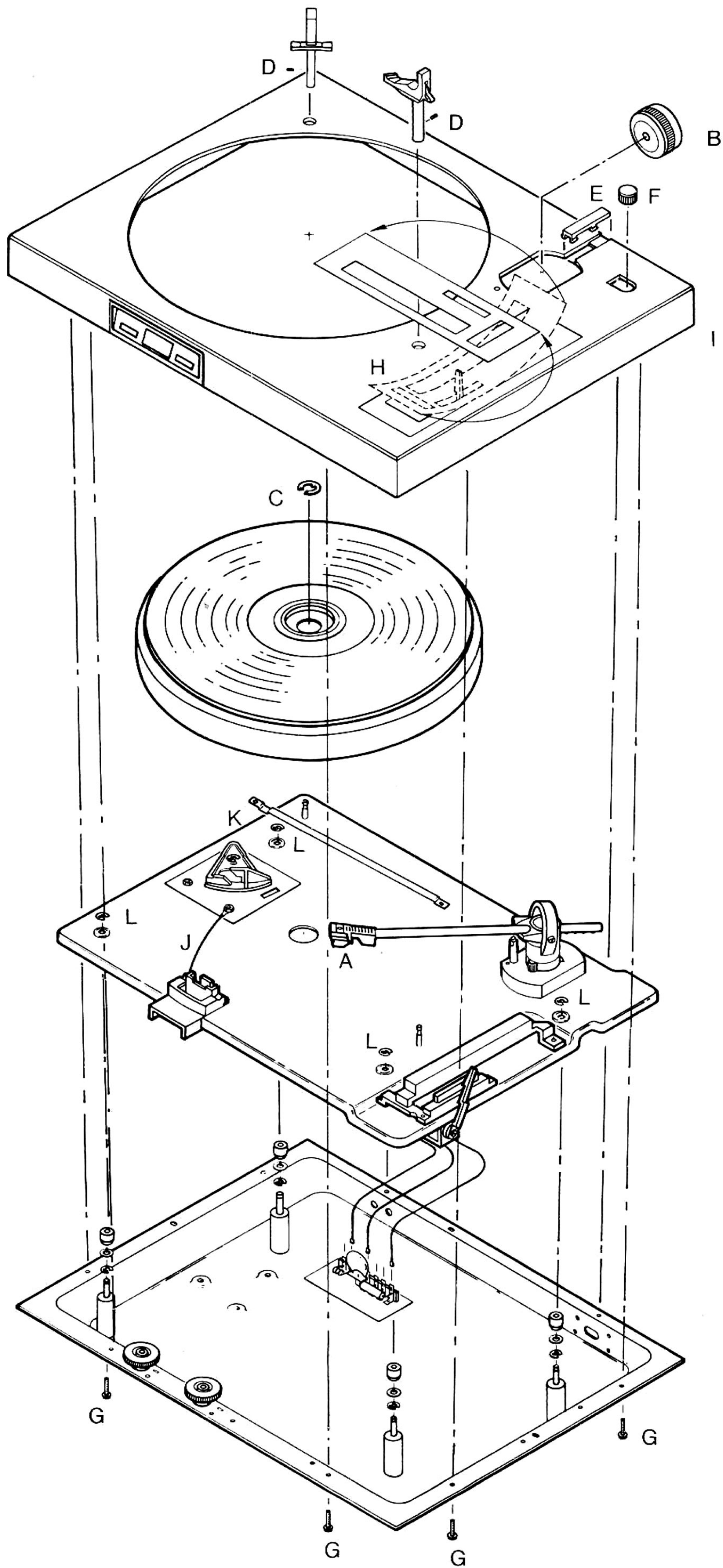
I. Lift the rear edge of the top cover until you can slide it slightly forward to clear the pitch control and viewing angle knobs. The tonearm can then be eased through the hole in the top cover by lifting the cover and moving it forward.

Sub-chassis

J. Disconnect the green ground wire running from the neon lamp to the motor plate at the motor plate. Later units have the ground on the terminal strip.

K. Lift the red speed cam and slide the speed change lever out from under the cam. Pivot the speed change lever and remove it from the speed change rod.

L. Remove the four "c" clips holding the sub-chassis to the bottom pan. The sub-chassis can be lifted up. The AC wiring will be exposed. Make certain the unit is unplugged.



ADJUSTMENTS

CUE BRAKE PIN - The brake pin eliminates drift when cueing or during automatic cycle and has been pre-set. In certain cases, however, depending upon the type cartridge installed, it may be necessary to re-adjust the brake pin. If the brake pin is disengaging too soon, the tonearm will move to the right when cueing or just before landing on the record. If the brake pin is releasing too late, the stylus will pop two or three times when landing.

The adjustment should be performed as follows:

1. Set the anti-skate to 3 grams and the stylus pressure to 1 gram. This will allow closer observation of when the brake pin releases.
2. Cue up the tonearm and place it between the edge of the platter and the pickup rest. Cue down the arm and observe the point at which the stylus moves to the right. The arm should swing to the right just as the stylus tip passes the top surface of the mat.

If the arm moves to the right too soon, place a wrench over the two flats at the top of the lift pin (#43) and turn the lift pin clockwise, if the brake pin is releasing too late turn the lift pin counterclockwise. As this adjustment is being made, check the tonearm pickup height and re-adjust as necessary.

(The lift pin is the silver colored pin that lifts the tonearm gimbal during cue.)

REPACKING THE CUE MECHANISM

The lift pin (#43) is coated with silicon compound which may, after a period of time, have to be replenished. The procedure for doing this is as follows:

1. Remove or protect the stylus.
2. Loosen the left hand pivot screw (#16 for 911-912C or #197 for 914-914C) to free the tonearm from the gimbal, (The stylus pressure spring on the 914 and 914C may become disconnected.) slide the tonearm back to clear the lift pin.
3. There are two flats on the cue cylinder (#34). Place a piece of tape around the flats to prevent scratching and use a 9/32" wrench to loosen the cylinder. Unscrew the cylinder to expose the lift pin (#43).
4. Clean the lift pin and the inside of the cue cylinder with alcohol to remove all the old silicon compound. Recoat the lift pin and the inside of the cylinder with fresh compound. Only exact factory replacement silicon compound should be used.
5. Re-install the cue cylinder but do not overtighten. Any excess compound can be wiped off the outside of the cue cylinder.
6. Re-assemble the tonearm in the pivot. Make certain the stylus pressure spring is reconnected on the 914 and 914C.

MOTOR PULLEY HEIGHT - The height of the motor pulley is pre-set at the factory. If the pulley is changed or removed the correct height must be re-set. To do this, rotate the pitch control knob toward minus (-) as far as it will go. Adjust the motor pulley so that the top surface of the pulley is flush with the top surface of the speed change cam (#192). Use a 1/16 Allen key to secure the pulley set screw (#188) to the motor shaft. Recheck the pulley height.

LUBRICATION

All of the pivot points and bearing surfaces have been lubricated at the factory and will seldom, if ever, require lubrication.

Listed below are the points of lubrication and the recommended lubricants. There are, however, a few important procedures which should be carefully followed.

1. Before applying lubrication, clean off as much of the old lubricant as possible with a clean, lint-free cloth saturated in alcohol.
2. Apply lubrication sparingly; excessive lubrication will accumulate dust, congeal, and cause problems at a later date.
3. Use only lubricants recommended.
4. Take care not to contaminate the drive surfaces which consist of motor pulley, inner rim of the platter and the drive belt. If this happens thoroughly clean these parts with alcohol. Replace the belt if necessary.

LUBRICATE ONLY THE POINTS LISTED BELOW

Molybdenum Gear Oil # 90 - Part No. 29-004-01 is used on:

T/T Bore - Ref. # 3

T/T Bearings - Ref. # 101 (912C/914C Only)

Silicon Compound - Part No. 29-395-01 is used on:

Lift Pin - Ref. # 43

Cue Cylinder - Ref. # 34

Petroleum Jelly - is used on:

Point of pivot between Speed Change Lever (#54) and Speed Change Rod (#82)

Slot for program Slide Detent (# 89)

LUBRICATION - Con't

Anti-skate Lever (#73) pivot point

Program Link (#86) point of contact through sub-chassis slot, along edges of slot

Drive Plate stud (#133)

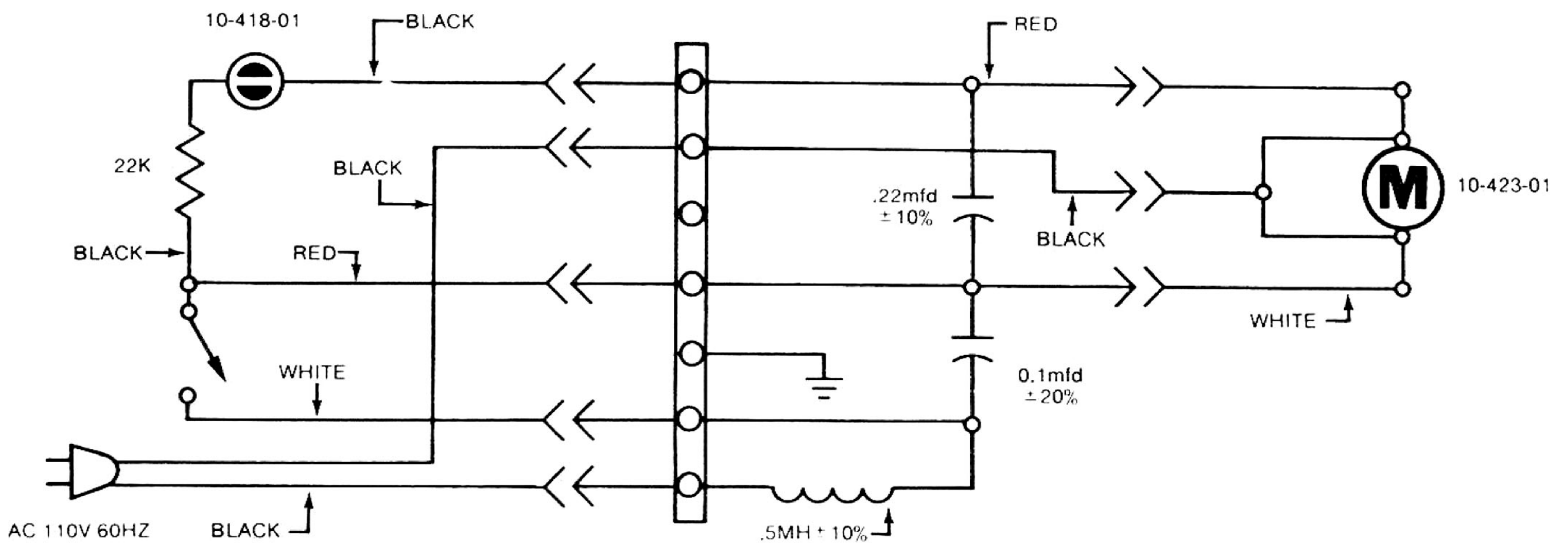
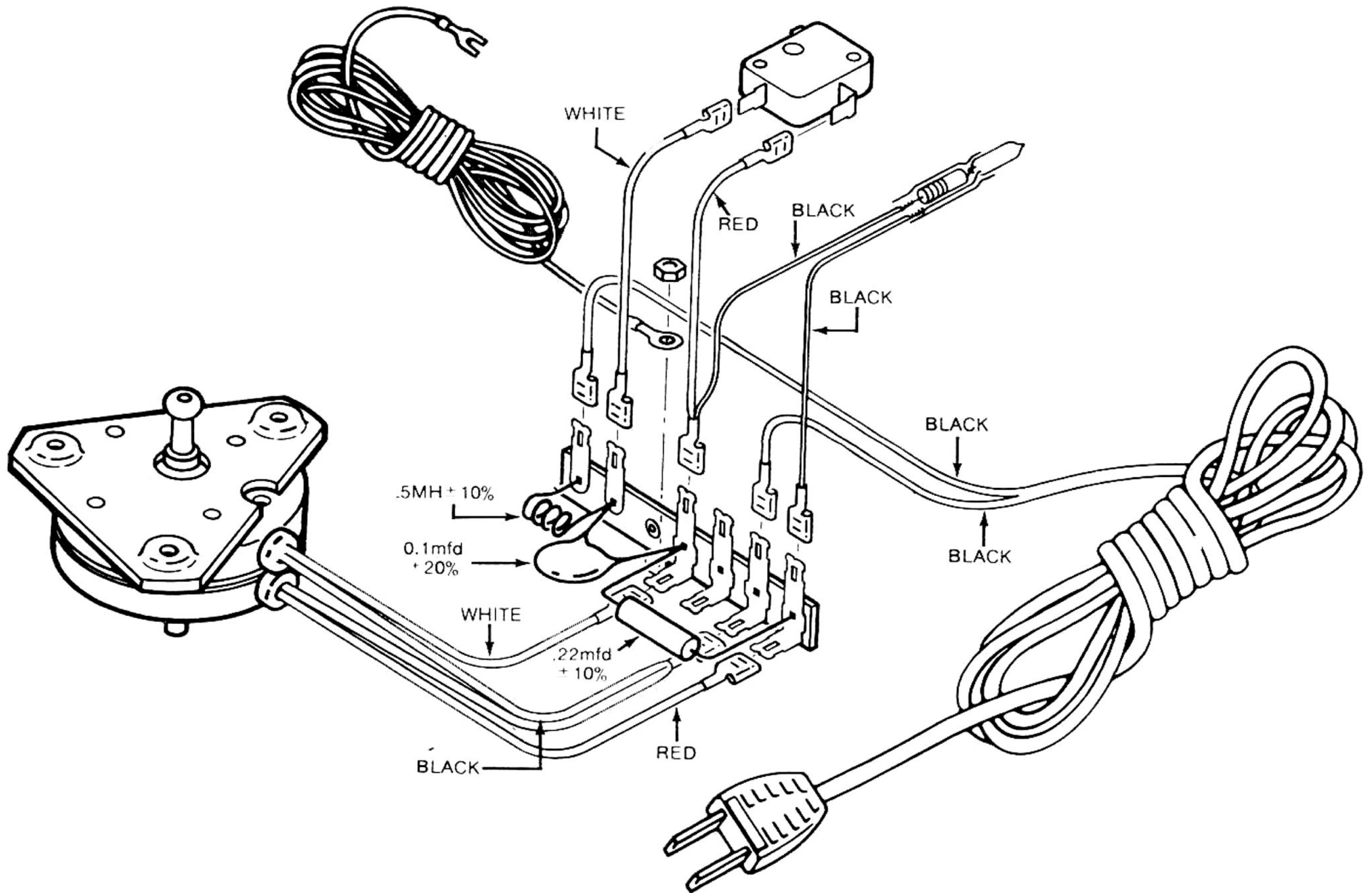
Eccentric track on Main Cam Gear (#98)

Spindle Housing Lever (#103) pivot areas (912 - 914C only)

Rate Adjuster (#149) contact points with bottom pan

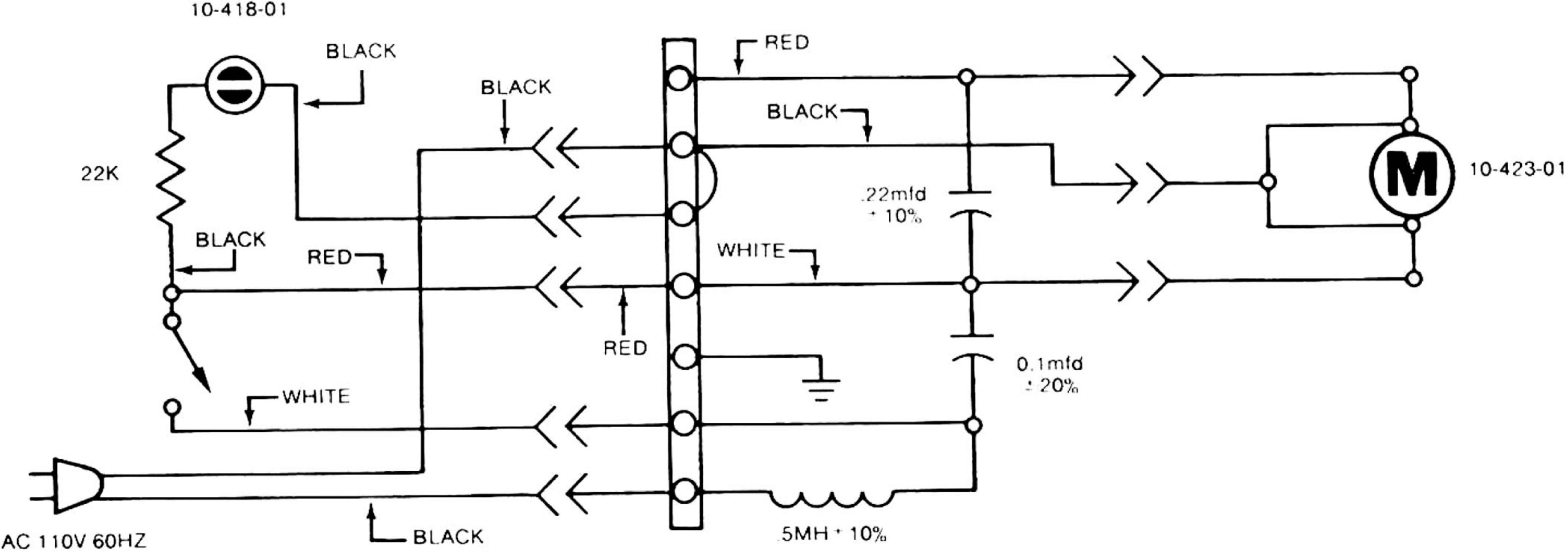
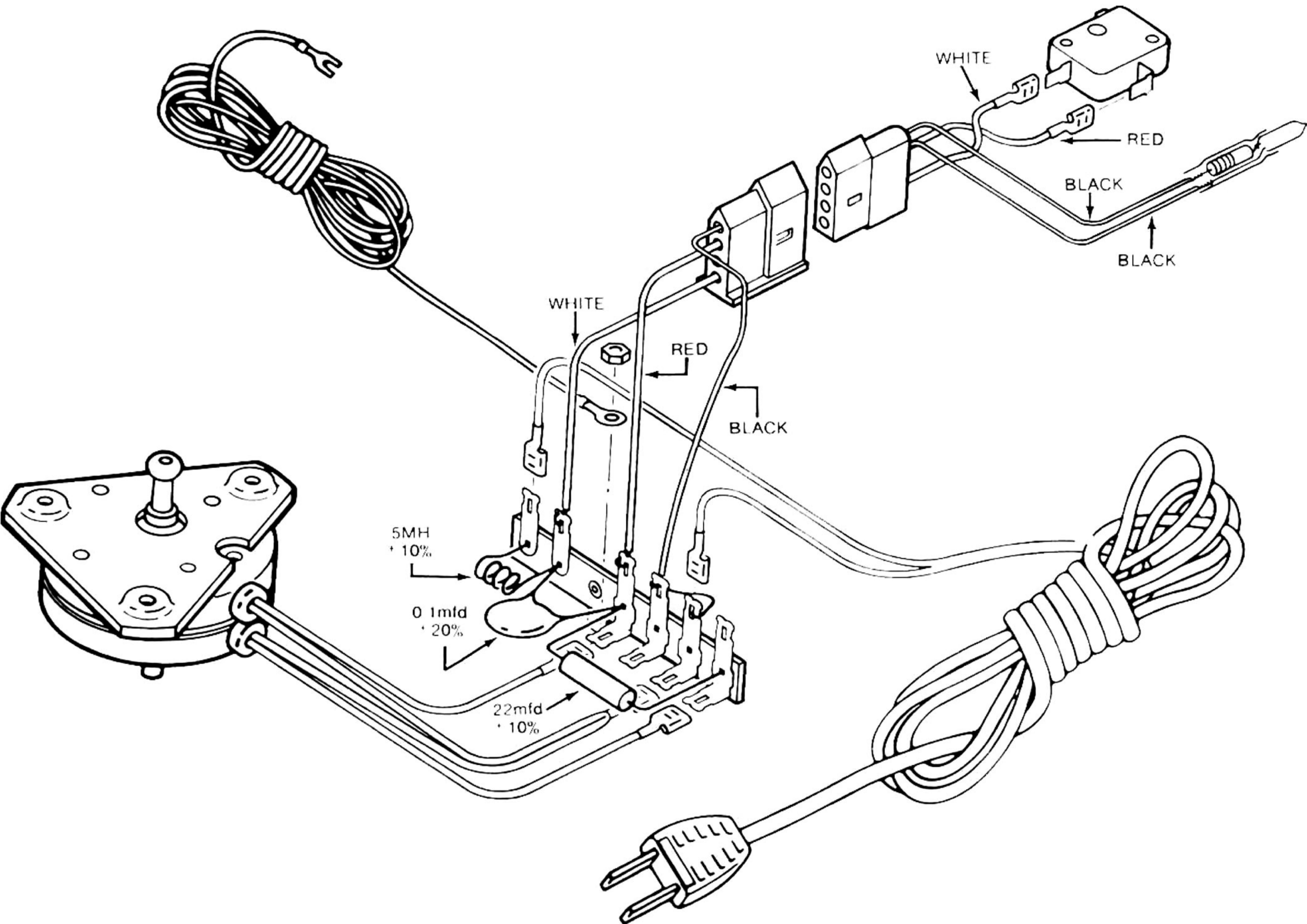
MODEL 911-914C

ELECTRICAL WIRING Earlier Version



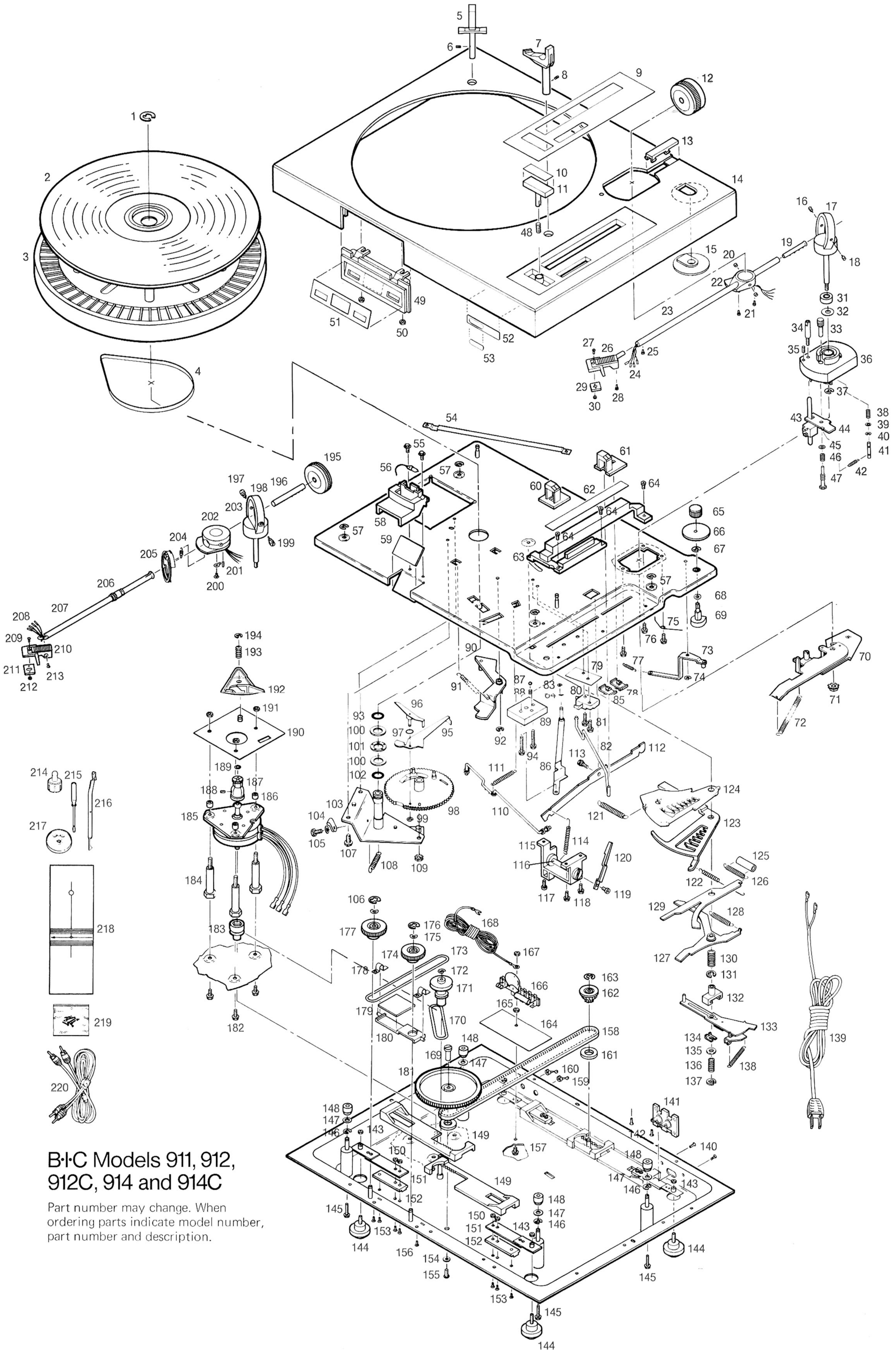
MODEL 911-914C

ELECTRICAL WIRING Later Version



Official Parts List | B·I·C Models 911, 912, 912C, 914 and 914C (Continued)

REF. NO.	911 PART NO.	912 PART NO.	912C PART NO.	914 PART NO.	914C PART NO.	DESCRIPTION	REF. NO.	911 PART NO.	912 PART NO.	912C PART NO.	914 PART NO.	914C PART NO.	DESCRIPTION
110	—	41-015-01	41-015-01	41-015-01	41-015-01	Reject rod	167	21-280-01	21-280-01	21-280-01	21-280-01	21-280-01	Nut
111	—	40-286-01	40-286-01	40-286-01	40-286-01	Spring—reject rod	168	10-106-01	10-106-01	10-106-01	10-106-01	10-106-01	Ground lead
112	38-122-01	38-122-01	38-122-01	38-122-01	38-122-01	Cue link	169	37-375-02	37-375-02	37-375-02	37-375-02	37-375-02	Screw—VIA wheel
113	20-268-02	20-268-02	20-268-02	20-268-02	20-268-02	Screw—cue link	170	37-328-01	37-328-01	37-328-01	37-328-01	37-328-01	Belt—pitch control (sm.)
114	38-122-01	38-122-01	38-122-01	38-122-01	38-122-01	Spring—cue link	171	37-301-01	37-301-01	37-301-01	37-301-01	37-301-01	Idler pulley
115	37-205-01	37-205-01	37-205-01	37-205-01	37-205-01	Cue mounting Bkt.	172	23-180-01	23-180-01	23-180-01	23-180-01	23-180-01	"c" clip
116	37-204-01	37-204-01	37-204-01	37-204-01	37-204-01	Cue spool	173	37-328-02	37-328-02	37-328-02	37-328-02	37-328-02	Belt—pitch control (lg.)
117	20-013-02	20-013-02	20-013-02	20-013-02	20-013-02	Screw	174	37-297-01	37-297-01	37-297-01	37-297-01	37-297-01	Knob—viewing angle
118	20-187-01	20-187-01	20-187-01	20-187-01	20-187-01	Screw	175	38-073-01	38-073-01	38-073-01	38-073-01	38-073-01	Bowed washer
119	20-064-01	20-064-01	20-064-01	20-064-01	20-064-01	Screw	176	23-180-01	23-180-01	23-180-01	23-180-01	23-180-01	"c" clip
120	36-045-01	36-045-01	36-045-01	36-045-01	36-045-01	Cue lever	177	37-298-01	37-298-01	37-298-01	37-298-01	37-298-01	Knob—pitch control
121	—	40-031-01	40-031-01	40-031-01	40-031-01	Spring—program plate	178	38-168-01	38-168-01	38-168-01	38-168-01	38-168-01	Pivot bracket
122	—	40-032-01	40-032-01	40-032-01	40-032-01	Spring—secondary plate	179	27-032-01	27-032-01	27-032-01	27-032-01	27-032-01	Mirror
123	—	37-199-02	37-199-01	37-199-02	37-199-01	Secondary program plate	180	37-295-01	37-295-01	37-295-01	37-295-01	37-295-01	Mirror bracket
124	—	37-198-02	37-198-01	37-198-02	37-198-01	Program plate	181	37-189-01	37-189-01	37-189-01	37-189-01	37-189-01	VIA wheel
125	—	17-567-02	17-567-02	17-567-02	17-567-02	Sleeve	182	20-181-02	20-181-02	20-181-02	20-181-02	20-181-02	Screw
126	—	40-564-01	40-564-01	40-564-01	40-564-01	Spring—stop lever	183	37-314-01	37-314-01	37-314-01	37-314-01	37-314-01	Lift pulley
127	—	38-137-01	38-137-01	38-137-01	38-137-01	Stop lever	184	39-156-01	39-156-01	39-156-01	39-156-01	39-156-01	Stand off—motor
128	—	40-286-01	40-286-01	40-286-01	40-286-01	Spring size selector lever	185	10-423-01	10-423-01	10-423-01	10-423-01	10-423-01	Motor
129	—	10-309-01	10-309-01	10-309-01	10-309-01	Size selector lever	186	39-185-01	39-185-01	39-185-01	39-185-01	39-185-01	Spacer
130	—	40-283-01	40-283-01	40-283-01	40-283-01	Spring—compression	187	10-356-01	10-356-01	10-356-01	10-356-01	10-356-01	60 Hz pulley
131	—	23-292-01	23-292-01	23-292-01	23-292-01	"c" clip	188	10-408-01	10-408-01	10-408-01	10-408-01	10-408-01	50 Hz pulley
132	—	37-265-01	37-265-01	37-265-01	37-265-01	Drive plate bracket	189	20-422-01	20-422-01	20-422-01	20-422-01	20-422-01	Set screw
133	—	10-307-01	10-307-01	10-307-01	10-307-01	Drive plate	190	37-305-01	37-305-01	37-305-01	37-305-01	37-305-01	"o" ring
134	—	38-541-01	38-541-01	38-541-01	38-541-01	Bias plate	191	10-361-01	10-361-01	10-361-01	10-361-01	10-361-01	Motor plate
135	—	22-560-01	22-560-01	22-560-01	22-560-01	Fibre washer	192	21-280-01	21-280-01	21-280-01	21-280-01	21-280-01	Nut
136	—	40-155-01	40-155-01	40-155-01	40-155-01	Spring—override	193	37-134-01	37-134-01	37-134-01	37-134-01	37-134-01	Speed cam
137	—	23-292-01	23-292-01	23-292-01	23-292-01	"c" clip	194	40-302-01	40-302-01	40-302-01	40-302-01	40-302-01	Spring
138	—	40-371-01	40-371-01	40-371-01	40-371-01	Spring—drive plate	195	23-292-01	23-292-01	23-292-01	23-292-01	23-292-01	"c" clip
139	10-386-01	10-386-01	10-386-01	10-386-01	10-386-01	Line cord	196	—	—	—	10-382-01	10-382-01	Counterbalance wgt.
140	20-181-01	20-181-01	20-181-01	20-181-01	20-181-01	Screw	197	—	—	—	37-279-01	37-279-01	Tube, CB wgt.
141	10-320-01	10-320-01	10-320-01	10-320-01	10-320-01	Phono socket	198	—	—	—	10-384-01	10-384-01	Fixed pivot
142	20-293-03	20-293-03	20-293-03	20-293-03	20-293-03	Screw	199	—	—	—	10-380-01	10-380-01	Gimbal
143	39-227-01	39-227-01	39-227-01	39-227-01	39-227-01	Nut—VIA foot (4)	200	—	—	—	10-383-01	10-383-01	Floating pivot
144	10-420-01	10-420-01	10-420-01	10-420-01	10-420-01	VIA foot (4)	201	—	—	—	20-027-03	20-027-03	Screw
145	39-144-01	39-144-01	39-144-01	39-144-01	39-144-01	Transit screw (4)	202	—	—	—	20-060-01	20-060-01	Screw—allen
146	23-180-01	23-180-01	23-180-01	23-180-01	23-180-01	"c" clip (4)	203	—	—	—	10-378-01	10-378-01	Pivot & tube assy.
147	22-023-01	22-023-01	22-023-01	22-023-01	22-023-01	Washer (4)	204	—	—	—	27-037-01	27-037-01	Jeweled pivot
148	37-182-01	37-182-01	37-182-01	37-182-01	37-182-01	Grommet (4)	205	—	—	—	40-093-01	40-093-01	Stylus pressure spring
149	37-188-01	37-188-01	37-188-01	37-188-01	37-188-01	Rate adjuster	206	—	—	—	37-213-01	37-213-01	Ring—stylus force
150	21-280-01	21-280-01	21-280-01	21-280-01	21-280-01	Nut	207	—	—	—	39-162-01	39-162-01	Locking collar
151	10-316-01	10-316-01	10-316-01	10-316-01	10-316-01	VIA spring assy.	208	—	—	—	10-371-01	10-371-01	Plug-in tone arm—includes nos. 206, 208, 209, 210, 213
152	37-278-01	37-278-01	37-278-01	37-278-01	37-278-01	Mounting block	209	—	—	—	10-381-01	10-381-01	Tube w/harness
153	20-293-02	20-293-02	20-293-02	20-293-02	20-293-02	Screw	210	—	—	—	39-220-01	39-220-01	Bkt. mtg. screw
154	22-012-01	22-012-01	22-012-01	22-012-01	22-012-01	Washer	211	—	—	—	10-385-01	10-385-01	P/U head
155	20-047-01	20-047-01	20-047-01	20-047-01	20-047-01	Screw—VIA wheel	212	—	—	—	37-307-01	37-307-01	Cart. mtg. 6 Bkt.
156	20-268-02	20-268-02	20-268-02	20-268-02	20-268-02	Screw—reflector Bkt.	213	—	—	—	21-005-01	21-005-01	Hex nut
157	20-187-01	20-187-01	20-187-01	20-187-01	20-187-01	Screw—terminal strip	214	—	—	—	20-058-01	20-058-01	Screw
158	27-030-01	27-030-01	27-030-01	27-030-01	27-030-01	Belt—VIA	215	—	—	39-128-01	—	39-128-01	Manual spindle—rotating
159	12-057-04	12-057-04	12-057-04	12-057-04	12-057-04	Heyco—line cord	216	—	—	—	—	—	Manual spindle—fixed
160	12-057-01	12-057-01	12-057-01	12-057-01	12-057-01	Heyco—grd. lead	217	39-214-01	39-214-01	—	39-214-01	—	Fixing screw—(2)
161	38-201-01	38-201-01	38-201-01	38-201-01	38-201-01	Spacer—rate adj. pulley	218	20-029-01	20-029-01	—	20-029-01	—	Screwdriver
162	37-258-01	37-258-01	37-258-01	37-258-01	37-258-01	Timing pulley	219	27-003-01	27-003-01	27-003-01	27-003-01	27-003-01	Automatic spindle
163	23-180-01	23-180-01	23-180-01	23-180-01	23-180-01	"c" clip	220	—	—	10-038-01	—	10-038-01	45 rpm manual adaptor
164	28-192-01	28-192-01	28-192-01	28-192-01	28-192-01	Insulator	219	37-539-01	37-539-01	37-539-01	37-539-01	37-539-01	Gauge—stylus overhang
165	21-280-01	21-280-01	21-280-01	21-280-01	21-280-01	Nut	220	28-225-01	28-225-01	28-225-01	28-225-01	28-225-01	Gauge—20° tracking angle
166	10-162-10	10-162-10	10-162-10	10-162-10	10-162-10	Terminal strip assy.	219	—	—	—	37-372-01	37-372-01	Cartridge mtg. screws
	14-252-01	14-252-01	14-252-01	14-252-01	14-252-01	Capacitor—.22 mfd.	220	10-414-01	10-414-01	10-414-01	10-414-01	10-414-01	Audio cable
	14-374-01	14-374-01	14-374-01	14-374-01	14-374-01	Capacitor—pop filter		17-113-04	17-113-04	17-113-04	17-113-04	17-113-04	
	12-043-02	12-043-02	12-043-02	12-043-02	12-043-02	Choke							

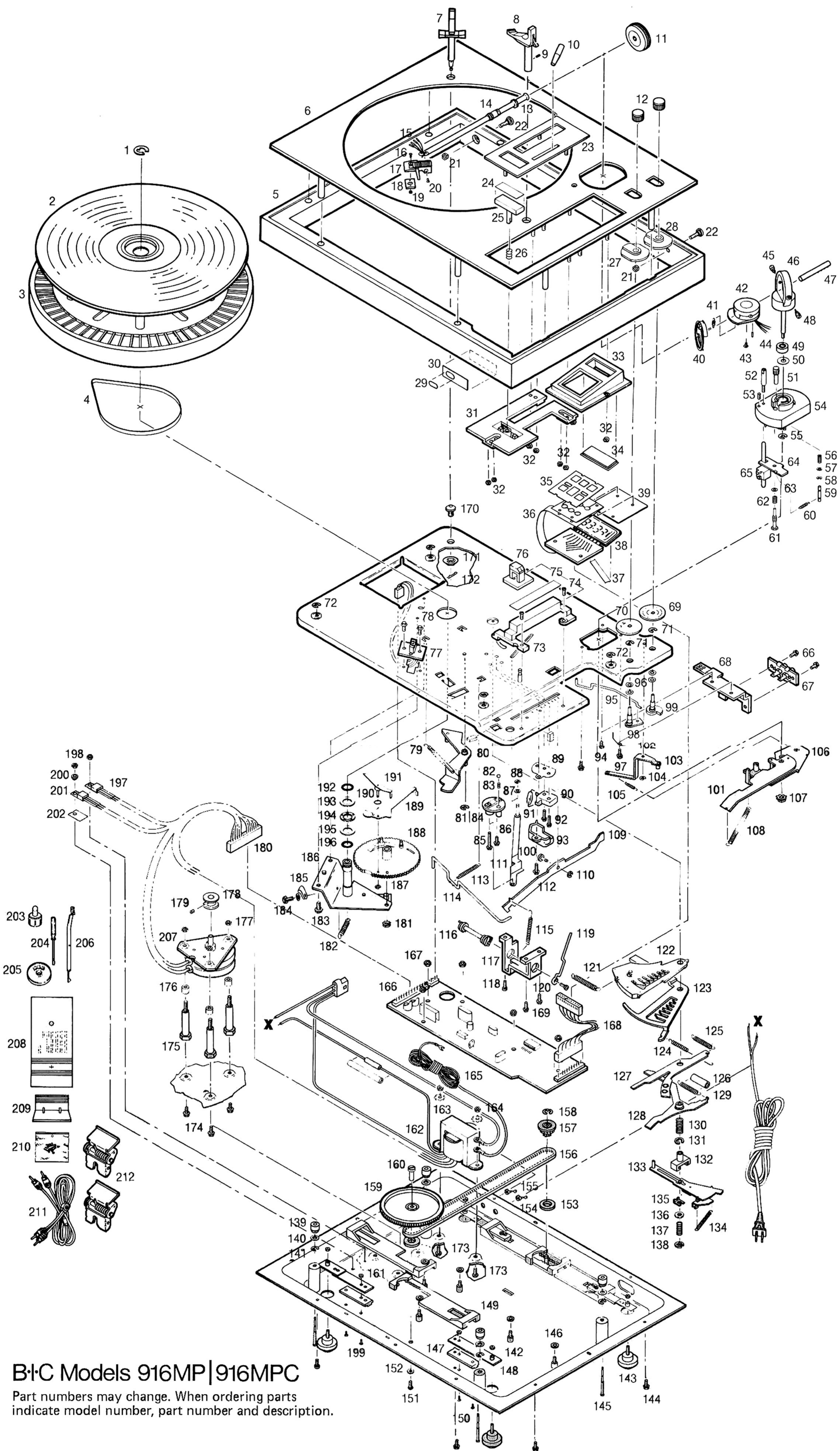


B·C Models 911, 912, 912C, 914 and 914C

Part number may change. When ordering parts indicate model number, part number and description.

Official Parts List | B·I·C Models 916MP and 916MPC

REF. NO.	916 MP PART NO.	916 MPC PART NO.	DESCRIPTION	REF. NO.	916 MP PART NO.	916 MPC PART NO.	DESCRIPTION	REF. NO.	916 MP PART NO.	916 MPC PART NO.	DESCRIPTION	REF. NO.	916 MP PART NO.	916 MPC PART NO.	DESCRIPTION
1	—	37-143-01	T/T "c" clip	51	37-250-01	37-250-01	Cue rate knob	106	10-324-01	10-324-01	Adjusting plate	161	21-280-01	21-280-01	Nut
2	37-302-01	37-267-01	T/T mat	52	39-172-02	39-172-02	Cylinder — lift pin	107	21-426-01	21-426-01	Nut	162	10-428-01	10-428-01	Transformer
	—	38-385-01	Trim ring-sm (not shown)	53	20-263-01	20-263-01	P/U hgt. adj. screw	108	40-179-01	40-179-01	Spring	163	22-026-01	22-026-01	Washer
	—	38-180-01	Trim ring-lg (not shown)	54	36-025-01	36-025-01	P/U base	109	38-122-01	38-122-01	Cue link	164	21-280-01	21-280-01	Nut
3	10-366-04	10-366-03	T/T w/mat	55	23-525-01	23-525-01	"c" clip	110	23-001-01	23-001-01	"c" clip	165	10-106-01	10-106-01	Ground lead
	37-191-01	37-191-01	Strobe mask (not shown)	56	40-257-01	40-257-01	Spring — brake rod	111	10-312-01	10-312-01	Program link	166	10-376-01	10-376-01	Speed control board
	20-293-03	20-293-03	Screw-strobe mask (8)	57	22-343-01	22-343-01	Washer — brake rod	112	20-033-01	20-033-01	Screw — switch cover	167	21-280-01	21-280-01	Nut — speed board (5)
4	37-130-01	37-130-01	Drive belt	58	23-543-01	23-543-01	"c" clip — brake rod	113	40-286-01	40-286-01	Spring — reject rod	168	10-425-01	10-425-01	Harness
5	10-363-01	10-363-01	Base	59	39-139-01	39-139-01	Brake rod	114	41-015-01	41-015-01	Reject rod	169	20-013-02	20-013-02	Screw — cue bracket
6	10-329-02	10-329-02	Top plate	60	40-493-01	40-493-01	Spring — brake bias	115	40-091-01	40-091-01	Spring — cue link	170	—	39-043-02	Base — plug-in support
7	—	10-223-01	Record support	61	39-369-01	39-369-01	Screw — rocker plate	116	37-386-01	37-386-01	Cue spool	171	—	21-004-01	Nut
8	10-319-01	10-319-01	Tonearm rest	62	40-258-01	40-258-01	Spring — rocker plate	117	37-205-01	37-205-01	Cue bracket	172	—	40-007-01	Spring clip
9	20-060-01	20-060-01	Set screw	63	22-003-01	22-003-01	Washer — rocker plate	118	20-268-02	20-268-02	Screw	173	20-293-02	20-293-02	Screw
10	37-385-02	37-385-02	Knob — cue lever	64	38-563-01	38-563-01	Rocker plate	119	41-023-01	41-023-01	Cue lever	174	20-181-02	20-181-02	Screw — motor (3)
11	10-382-01	10-382-01	CB wgt	65	10-062-02	10-062-02	Lift pin	120	20-067-01	20-067-01	Screw	175	39-156-01	39-156-01	Stand off — motor
12	10-413-01	10-413-01	Knob — anti-skate/size	66	20-181-01	20-181-01	Screw	121	40-041-01	40-041-01	Spring — program plate	176	39-185-01	39-185-01	Spacer
13	10-371-01	10-371-01	Plug-in tonearm complete (#14, 15, 16, 17, 18, 19, 20)	67	12-123-01	12-123-01	Phono socket	122	37-198-02	37-198-01	Program plate	177	21-018-01	21-018-01	Nut
				68	38-130-01	38-130-01	Phono bracket	123	10-470-02	10-470-01	Secondary program plate	178	39-182-01	39-182-01	Pulley
14	39-162-01	39-162-01	Locking collar	69	37-252-02	37-252-02	Anti-skate disc	124	40-032-01	40-032-01	Spring — secondary plate	179	20-422-01	20-422-01	Allen screw
15	10-381-01	10-381-01	Tube w/harness	70	37-252-03	37-252-03	Size select disc	125	40-564-01	40-564-01	Spring — stop lever	180	12-147-15	12-147-15	Connector w/o wires
16	39-220-01	39-220-01	Bkt. mtg. screw	71	23-180-01	23-180-01	"c" clip	126	17-567-02	17-567-02	Sleeve	181	21-178-01	21-178-01	Nut
17	10-385-01	10-385-01	P/U head	72	23-002-01	23-002-01	"c" clip	127	38-137-01	38-137-01	Stop lever	182	40-294-01	40-294-01	Spring
18	37-307-01	37-307-01	Cart. mtg. bkt.	73	37-271-01	37-271-01	Control molding	128	10-309-01	10-309-01	Size selector lever	183	20-181-01	20-181-01	Screw
19	21-005-01	21-005-01	Hex nut	74	20-013-02	20-013-02	Screw	129	40-286-01	40-286-01	Spring — size lever	184	20-290-01	20-290-01	Screw
20	20-058-01	20-058-01	Screw	75	38-150-01	38-150-01	Trim	130	40-092-01	40-092-01	Compression spring	185	12-409-01	12-409-01	Strain relief
21	21-006-01	21-006-01	Nut (2)	76	36-123-01	36-123-01	Control knob	131	23-192-01	23-192-01	"c" clip	186	10-012-05	10-012-07	Spindle housing
22	20-045-01	20-045-01	Shoulder screw (2)	77	10-396-01	10-396-01	Detector	132	37-265-01	37-265-01	Drive plate bracket	187	23-239-01	23-239-01	"c" clip
23	10-398-01	10-398-01	Control escutcheon	78	20-181-01	20-181-01	Screw	133	10-307-01	10-307-01	Drive plate	188	10-091-01	10-091-01	Cam gear assy. (includes os. 187-191)
24	38-162-01	38-162-01	Trim — play key	79	40-033-01	40-033-01	Spring	134	40-294-01	40-294-01	Spring — drive plate				
25	10-393-01	10-393-01	Play key w/trim	80	37-202-01	37-202-01	Reject lever	135	38-541-01	38-541-01	Bias plate	189	10-171-01	10-171-01	Trip plate
26	40-092-01	40-092-01	Spring	81	23-180-01	23-180-01	"c" clip	136	22-560-01	22-560-01	Fibre washer	190	37-001-01	37-001-01	"o" ring
27	37-251-02	37-251-02	Lens — size	82	27-036-01	27-036-01	Ball bearing	137	40-155-01	40-155-01	Spring — override	191	10-089-01	10-089-01	Trip pawl
28	37-251-01	37-251-01	Lens — anti-skate	83	40-098-01	40-098-01	Spring, slider detent	138	23-192-01	23-192-01	"c" clip	192	—	37-175-02	"o" ring
29	38-153-02	38-153-02	B-I-C logo	84	37-203-01	37-203-01	Slider detent	139	37-182-01	37-182-01	Grommet (4)	193	—	27-177-01	Washer
30	38-152-02	38-152-02	Logo molding	85	20-067-01	20-067-01	Screw	140	22-023-01	22-023-01	Washer (4)	194	—	27-176-01	Bearing
31	37-272-01	37-272-01	Control slab molding	86	20-067-02	20-067-02	Screw	141	23-180-01	23-180-01	"c" clip (4)	195	—	27-177-01	Washer
32	21-014-01	21-014-01	Hex nut	87	38-154-01	38-154-01	Nylon washer	142	21-018-01	21-018-01	Nut — VIA foot (4)	196	—	37-113-02	"o" ring
33	37-261-02	37-261-02	Display molding	88	23-256-01	23-256-01	"c" clip	143	10-420-01	10-420-01	VIA foot (4)	197	10-427-01	10-427-01	Regulator
34	37-264-01	37-264-01	Display lens	89	28-080-01	28-080-01	Insulator	144	20-068-01	20-068-01	Screw (8)	198	21-014-01	21-014-01	Nut
35	38-184-01	38-184-01	Speed legend	90	12-289-01	12-289-01	AC switch	145	39-144-01	39-144-01	Transit screw (4)	199	20-293-02	20-293-02	Screw
36	12-125-01	12-125-01	Speed control panel	91	14-001-01	14-001-01	Capacitor	146	22-032-01	22-032-01	Washer (5)	200	22-030-01	22-030-02	Washer
37	38-206-01	38-206-01	Retainer	92	20-187-01	20-187-01	Screw — AC switch	147	37-278-01	37-278-01	Mounting block	201	10-427-01	10-427-01	Regulator
38	10-432-01	10-432-01	Display w/board	93	37-070-01	37-070-01	Switch cover	148	10-316-01	10-316-01	VIA spring assy.	202	12-141-01	12-141-01	Insulator
39	28-248-01	28-248-01	Panel support	94	20-181-01	20-181-01	Screw	149	37-188-01	37-188-01	Rate adjuster	203	—	39-128-01	Manual spindle — rotating
40	37-213-01	37-213-01	Ring — stylus force	95	41-013-01	41-013-01	Rod, size	150	20-293-02	20-293-02	Screw		39-214-01	—	Manual spindle — fixed
41	40-093-01	40-093-01	Stylus pressure spring	96	38-007-01	38-007-01	Bowed washer (4)	151	20-047-01	20-047-01	Screw		20-029-01	—	Fixing screw
42	10-378-01	10-378-01	Pivot & tube assy. w/bearing	97	20-022-01	20-022-01	Shoulder screw	152	22-002-01	22-002-01	Washer	204	27-003-01	27-003-01	Screwdriver
43	20-063-01	20-063-01	Screw	98	10-374-01	10-374-01	Speed control lever	153	38-201-01	38-201-01	Spacer — rate adj. pulley	205	37-539-01	37-539-01	45 rpm manual adaptor
44	20-060-01	20-060-01	Allen screw	99	10-317-01	10-317-01	Anti-skate cam	154	12-057-04	12-057-04	Heyco — line cord	206	—	10-038-01	Automatic spindle
45	10-384-01	10-384-01	Fixed pivot	100	39-234-01	39-234-01	Stud	155	12-057-01	12-057-01	Heyco — grd. lead	207	18-009-05	18-009-05	Motor
46	10-380-01	10-380-01	Gimbal	101	10-308-01	10-308-01	P/U lever	156	27-030-01	27-030-01	Belt — VIA	208	28-225-01	28-225-01	Gauge — stylus overhang
47	37-279-01	37-279-01	Tube, CB wgt.	102	40-095-01	40-095-01	Bias spring	157	37-258-01	37-258-01	Timing pulley	209	37-364-01	37-364-01	Gauge — 20° tracking angle
48	10-383-01	10-383-01	Floating pivot	103	10-310-01	10-310-01	Anti-skate lever	158	23-180-01	23-180-01	"c" clip	210	10-414-02	10-414-02	Cart. mtg. hwdr.
49	27-366-01	27-366-01	Bearing	104	23-180-01	23-180-01	"c" clip	159	37-189-01	37-189-01	VIA wheel	211	17-113-04	17-113-04	Audio cable
50	22-007-01	22-007-01	Washer (as required)	105	40-040-01	40-040-01	Anti-skate spring	160	39-218-01	39-218-01	Pivot — VIA wheel	212	10-290-04	10-290-04	Hinge (2)



B·C Models 916MP | 916MPC
 Part numbers may change. When ordering parts indicate model number, part number and description.

