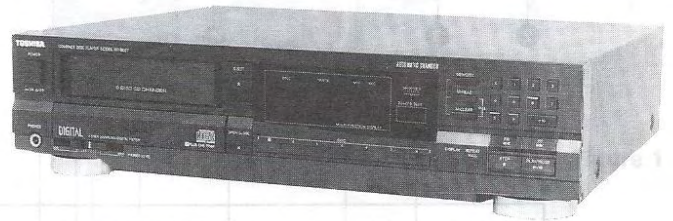


TOSHIBA

COMPACT DISC DIGITAL AUDIO PLAYER

XR-9057



SPECIFICATIONS

Type: Compact Disc Player with optical pickup

Quantization: 16 bit linear

Channels: 2 channels (stereo)

Frequency response: 5 Hz – 20 kHz ± 0.5 dB

Dynamic range: 94 dB

Total harmonic distortion: 0.004% (1 kHz)

Channel separation: 90 dB

Wow and flutter: Unmeasurable

Output: 2.0 Volts

Pickup: Semiconductor laser

Track search: By track number

Power supply: AC 120V, 60 Hz
(U.S.A., Canada)
AC 220V, 50 Hz (Europe)
AC 240V, 50 Hz (U.K.)

Power consumption: 11 Watts

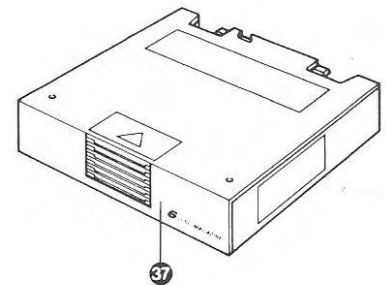
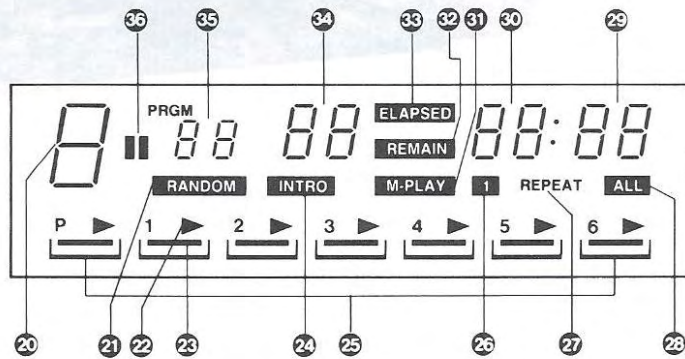
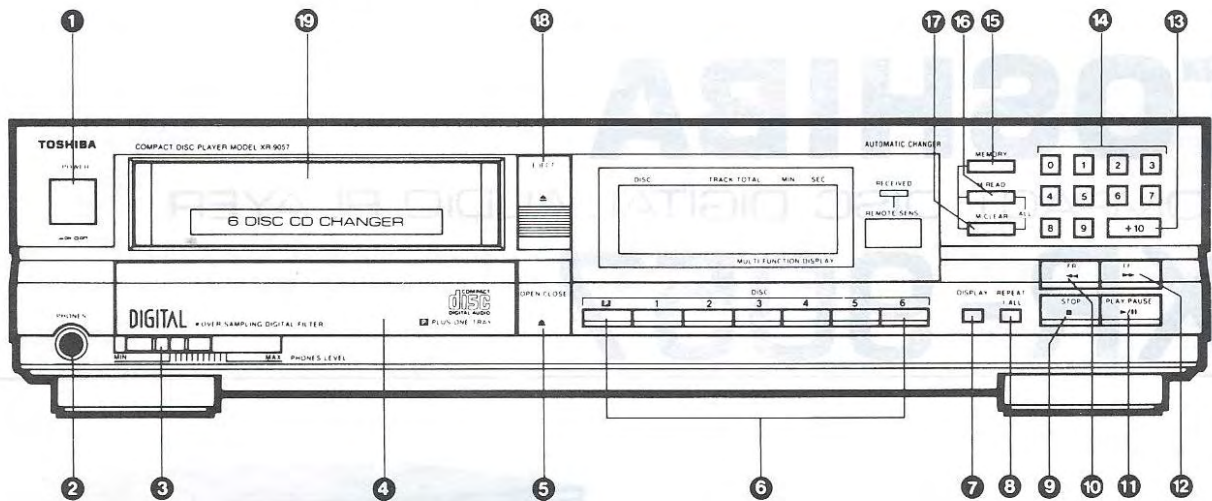
Dimensions: 420(W) x 107(H) x 327(D) mm

Weight: 5.4 kg

Specifications are subject to change without notice.

TA, TC, TE, TU

OPERATING CONTROLS



Front Panel Controls

- ① Power Switch [POWER]
- ② Headphones Jack [PHONES]
- ③ Headphones Volume Level Control [PHONES LEVEL]
- ④ Single Disc Tray [PLUS ONE TRAY]
- ⑤ Open/Close Key [OPEN/CLOSE]
- ⑥ Disc Selection Key [DISC " P ", "1" - "6"]
- ⑦ Display Selector Key [DISPLAY]
- ⑧ Repeat 1/All Key [REPEAT 1/ALL]
- ⑨ Stop Key [STOP]
- ⑩ Fast Reverse Key [FR]
- ⑪ Play/Pause Key [PLAY/PAUSE]
- ⑫ Fast Forward Key [FF]
- ⑬ Direct Track Selection Key [+ 10]
- ⑭ Direct Track Selection Key [0 - 9]
- ⑮ Memory Key [MEMORY]
- ⑯ Memory Read Key [M-READ]
- ⑰ Memory Clear Key [M-CLEAR]
- ⑱ Eject Key [EJECT]
- ⑲ Magazine Slot [6 DISC CD CHANGER]

Indicator and Display Section

- ⑳ Playing Disc Indicator [P, 1-6]
- ㉑ Random Play Indicator [RANDOM]
- ㉒ Play Indicator [▶]
- ㉓ Disc Indicator [—]
- ㉔ Intro Scan Indicator [INTRO]
- ㉕ Disc Tray Indicator [⌋]
- ㉖ Repeat 1 Indicator [1]
- ㉗ Repeat Play Indicator [REPEAT]
- ㉘ Repeat All Indicator [ALL]
- ㉙ Second Time Indicator [SEC]
- ㉚ Minute Time Indicator [MIN]
- ㉛ Memory Play Indicator [M-PLAY]
- ㉜ Remained Time Indicator [REMAIN]
- ㉝ Elapsed Time Indicator [ELAPSED]
- ㉞ Track Number Indicator [0-99]
- ㉟ Program Indicator [PRGM 0-32]
- ㊱ Pause Indicator [II]
- ㊲ Magazine [6 DISC MAGAZINE (RS-9057)]

DISASSEMBLY INSTRUCTIONS

TRAY PANEL REMOVAL

1. Turn power of unit ON.
Push open button to open tray panel.
2. Remove two mounting screws (A), and the tray panel will be removed.

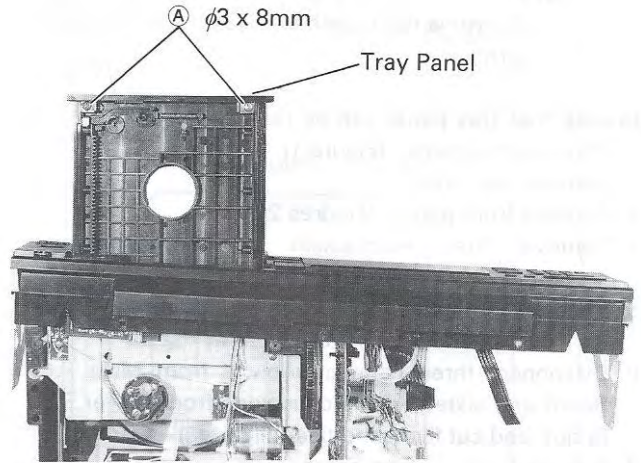


Figure 1

TOP COVER REMOVAL

1. Remove four screws from top cover both sides and five screws from rear board, and the top cover will be removed.

FRONT PANEL REMOVAL

1. Remove tray panel.
2. Remove top cover.
3. Remove one plastic rivet (B) from panel upper side and five screws (C) and (D) from panel lower side. (Figures 2 and 3)
4. Remove four screws (E) and (F) from side boards. (Figures 4 and 5)
5. Remove power switch shaft (G). (Figure 2)
6. Disconnect 9P connector plug from Main P.C. Board and 9P and 5P connector plugs from Power P.C. Board, and the front panel will be removed.

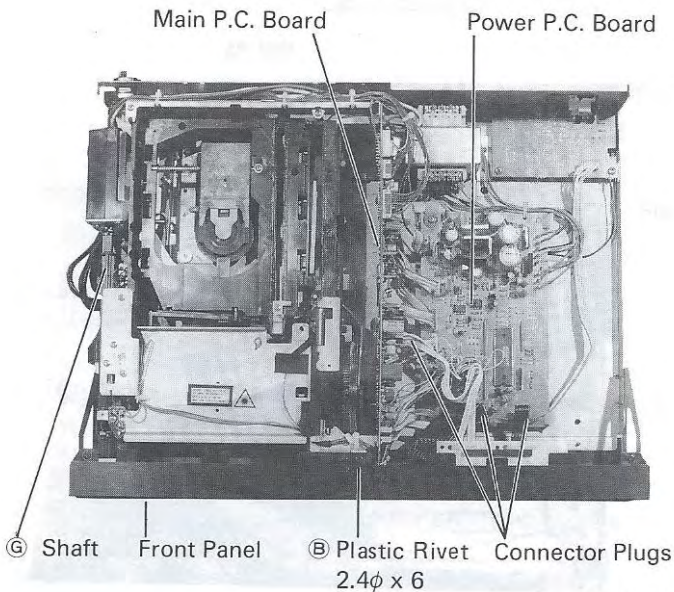


Figure 2

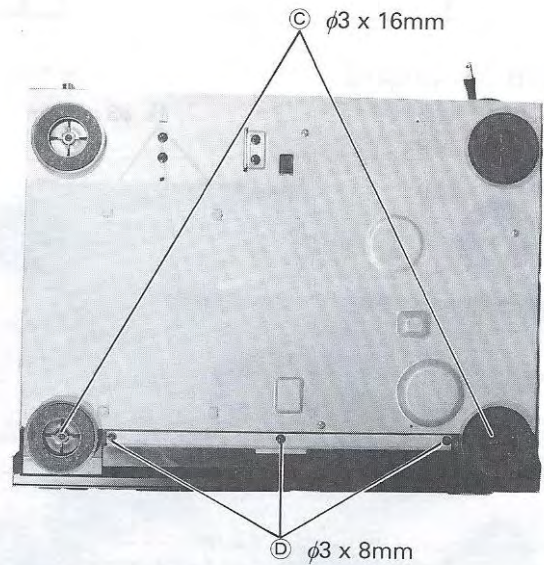


Figure 3

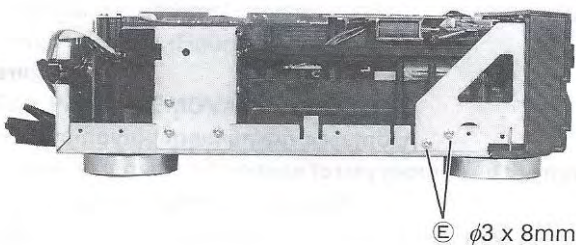


Figure 4

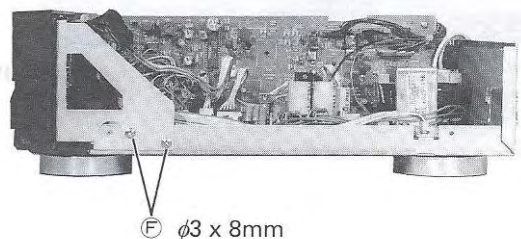


Figure 5

MECHANISM ASSEMBLY REMOVAL

Note: There are two procedures to remove mechanism assembly.

- (A) In case that tray panel can be removed.
- (B) In case that tray panel can not be removed.
(Power is not turned on, Tray motor does not turn.)

In case that tray panel can be removed

1. Remove tray panel. (Figure 1)
2. Remove top cover.
3. Remove front panel. (Figures 2 to 5)
4. Remove three mechanism assembly mounting screws \textcircled{H} from bottom plate. (Figure 6)
5. Remove two mechanism assembly mounting screws \textcircled{I} from upper side. (Figure 7)
6. Disconnect three connector plugs from Main P.C. Board and sixteen connector plugs from Power P.C. Board, and cut five band ties. (Figure 8)
7. Release hook \textcircled{J} from mechanism assembly, and the mechanism assembly will be removed from chassis. (Figure 7)

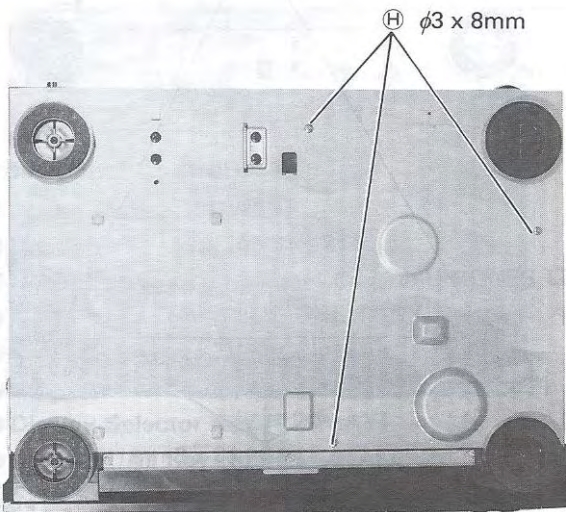


Figure 6

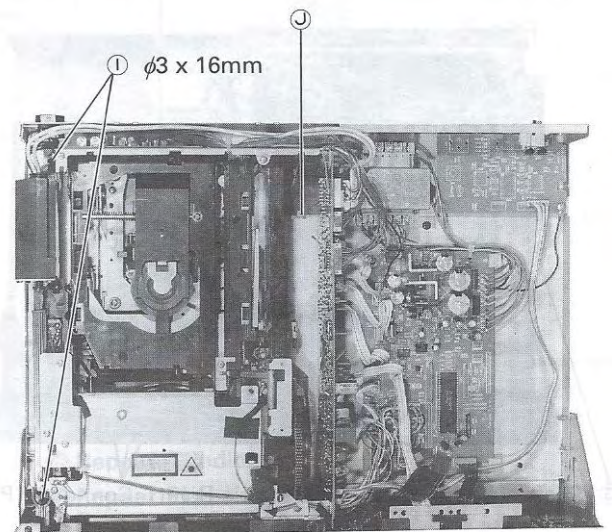


Figure 7

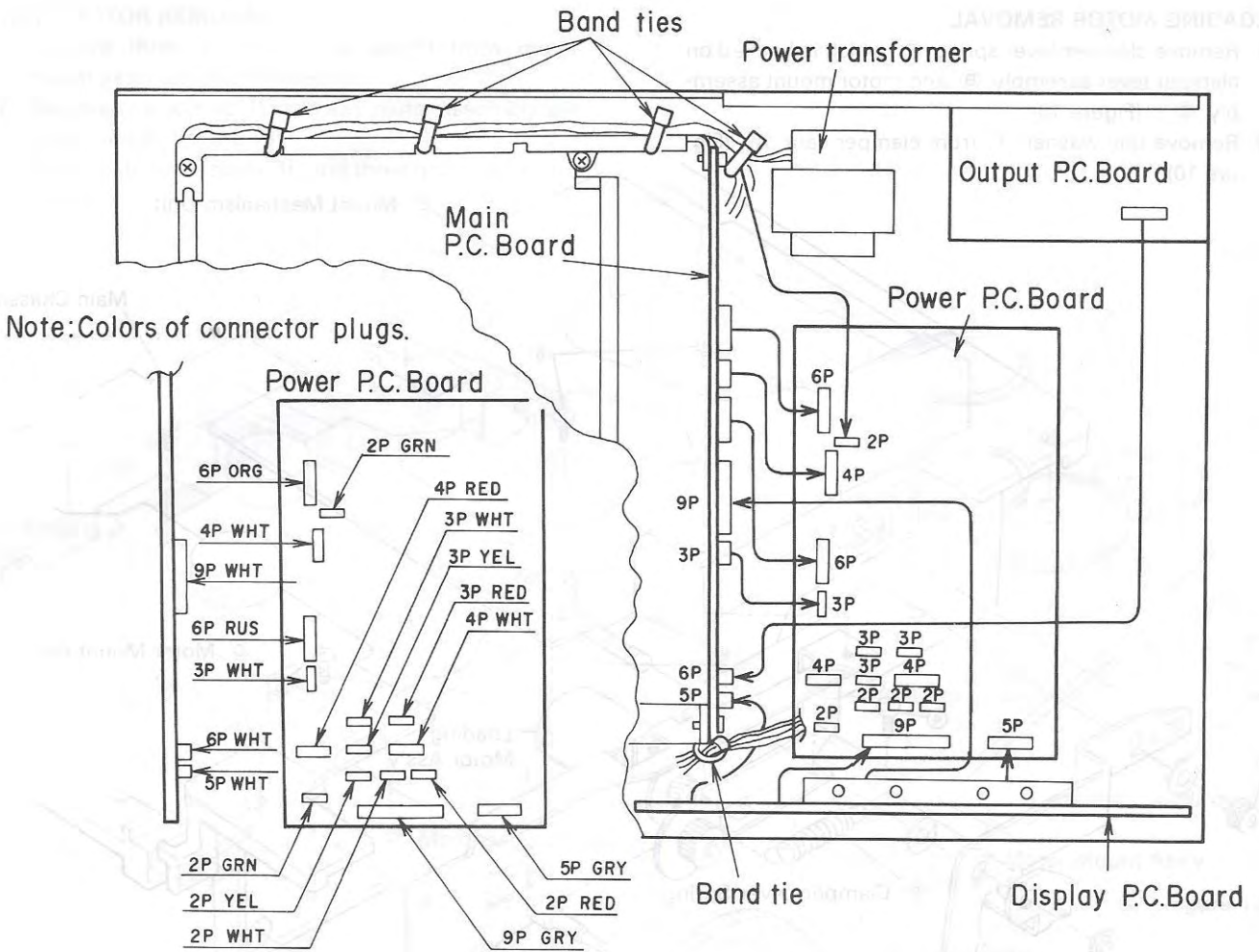


Figure 8

In case that tray panel cannot be removed

(Note: Remove mechanism assembly and front panel as one unit.)

1. Remove top cover.
2. Remove front panel. (Figures 2 to 5)
3. Remove three mechanism assembly mounting screws (H) from bottom plate. (Figure 6)
4. Remove two mechanism assembly mounting screws (I) from upper side. (Figure 7)
5. Disconnect three connector plugs from Main P.C. Board and sixteen connector plugs from Power P.C. Board, and cut five band ties. (Figure 8)
6. Release hook (J) from mechanism assembly, and the mechanism assembly and front panel will be removed from chassis. (Figure 7)

TRAY PANEL REMOVAL

(After removing mechanism assembly)

1. Apply external $\pm 5V$ voltage to tray motor, and the tray panel will be opened. (Figure 9)
2. Remove two mounting screws (A) from tray panel, and the tray panel will be opened. (Figure 1)

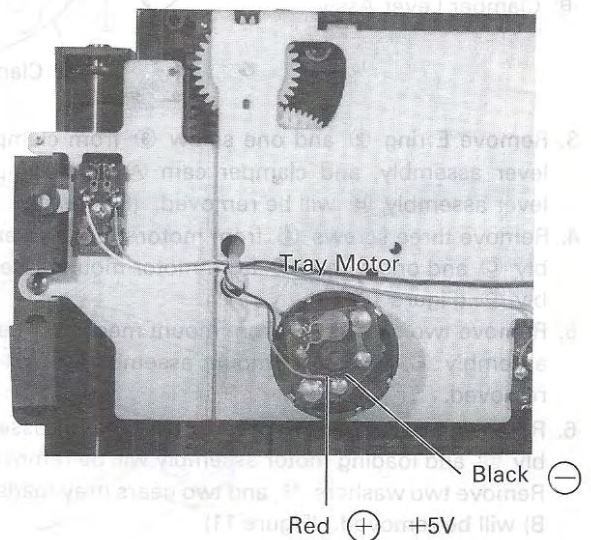


Figure 9

LOADING MOTOR REMOVAL

1. Remove clamber lever spring ① which is hooked on clamber lever assembly ② and motor mount assembly ③ . (Figure 10)
2. Remove one washer ④ from clamber cam ⑤. (Figure 10)

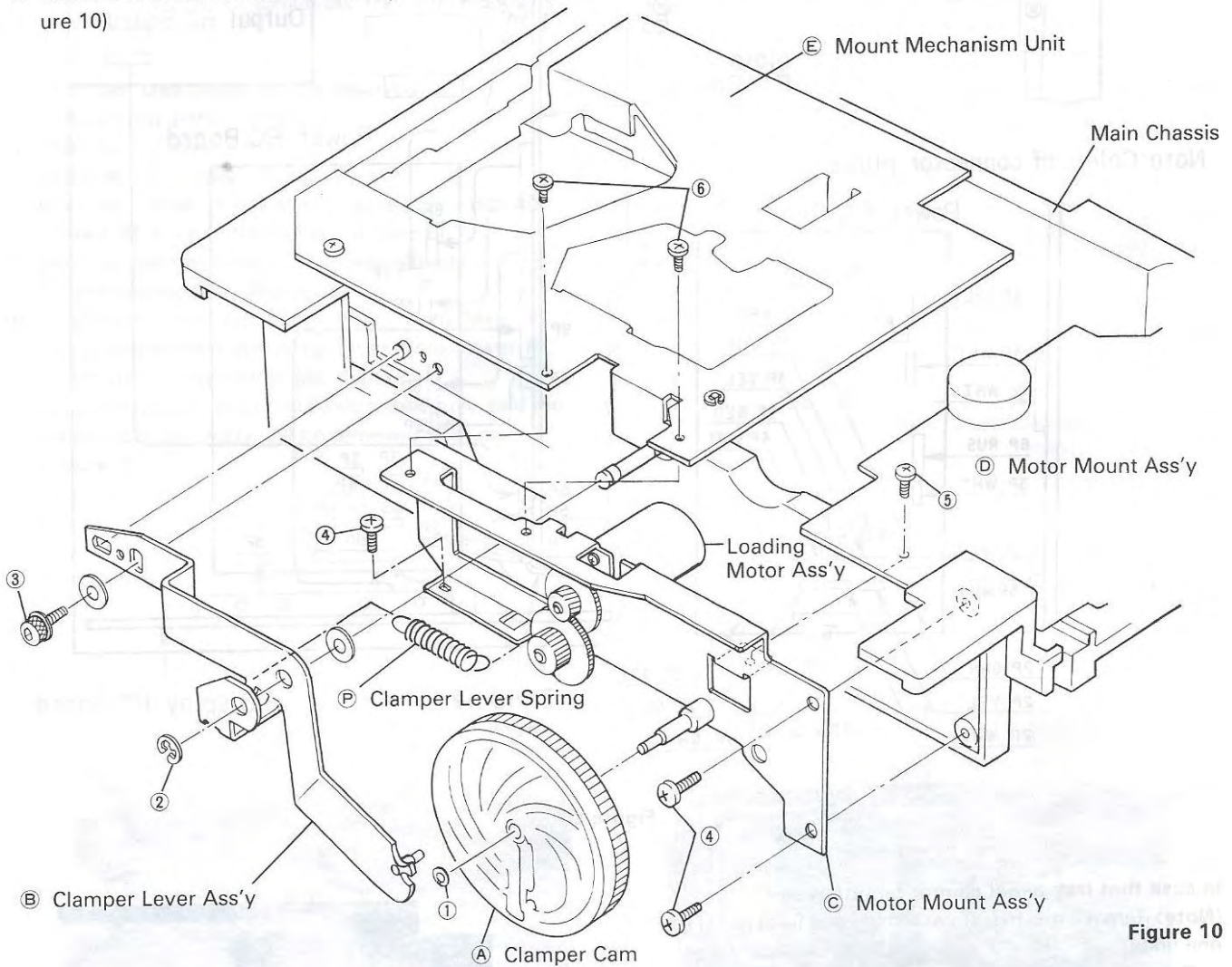


Figure 10

3. Remove E ring ② and one screw ③ from clamber lever assembly, and clamber cam ④ and clamber lever assembly ⑤ will be removed. (Figure 10)
4. Remove three screws ⑥ from motor mount assembly ⑦ and one screw ⑧ from motor mount assembly ⑨. (Figure 10)
5. Remove two screws ⑩ from mount mechanism unit assembly ⑪, and motor mount assembly ⑦ will be removed.
6. Remove two screws ⑫ from motor mount assembly ⑦, and loading motor assembly will be removed. Remove two washers ⑬, and two gears (tray-loads A, B) will be removed. (Figure 11)

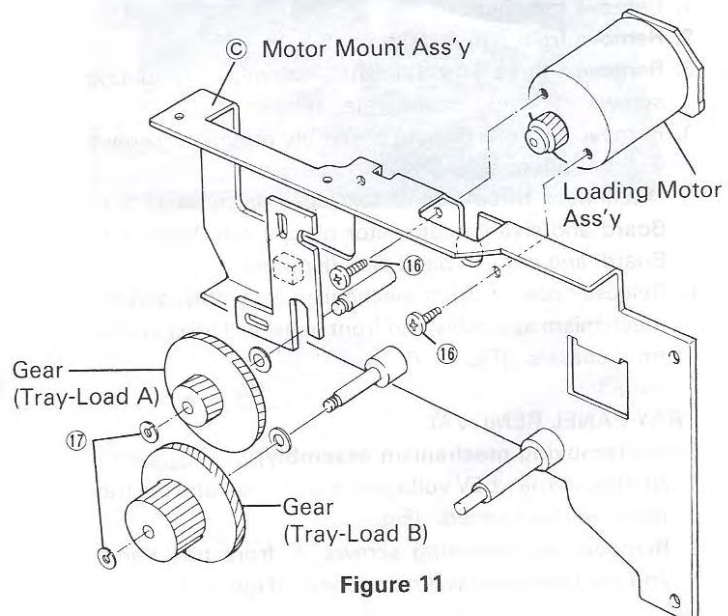


Figure 11

TRAY MOTOR REMOVAL

1. Remove three screws ⑪, ⑫ and ⑬ from motor mount assembly ①. (Figure 12)
2. Remove two screws ⑮, and tray motor assembly will be removed. (Figure 13)
Remove three washers ⑭, and three gears will be removed.

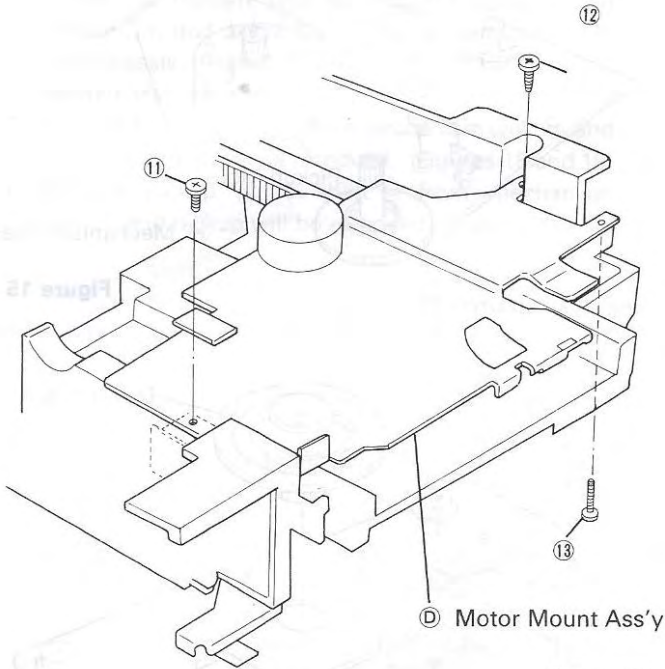


Figure 12

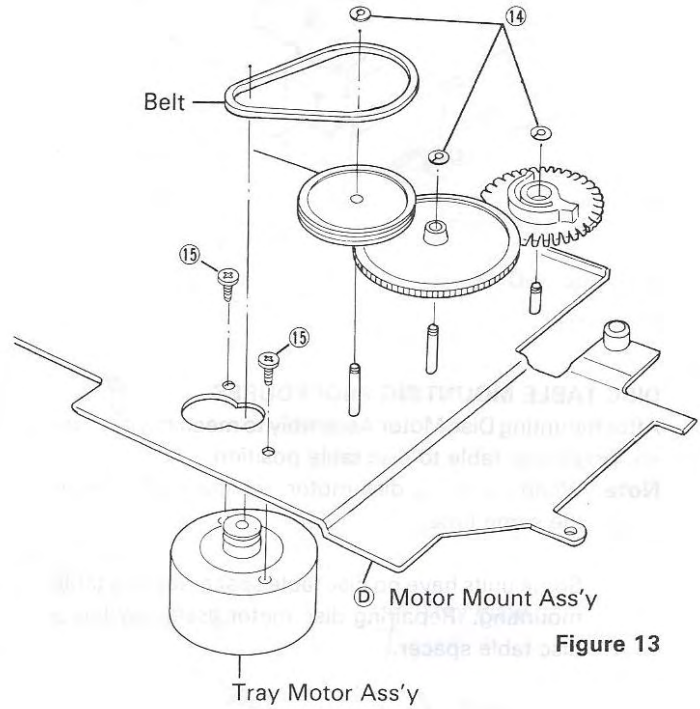


Figure 13

TRAY ASSEMBLY REMOVAL

1. Remove E ring from shaft, pull out the shaft and pull Tray Assembly to the arrow direction, the Tray Assembly will be removed. (Figure 14)

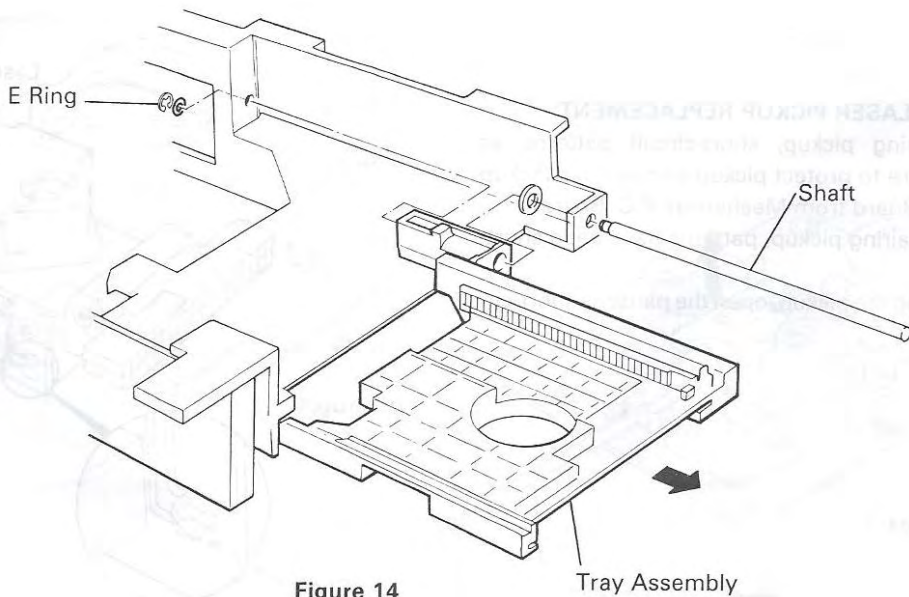


Figure 14

GEAR REMOVAL

1. Push two stoppers ① and ② from mechanism chassis ③, and pickup gear will be removed. (Figure 15)

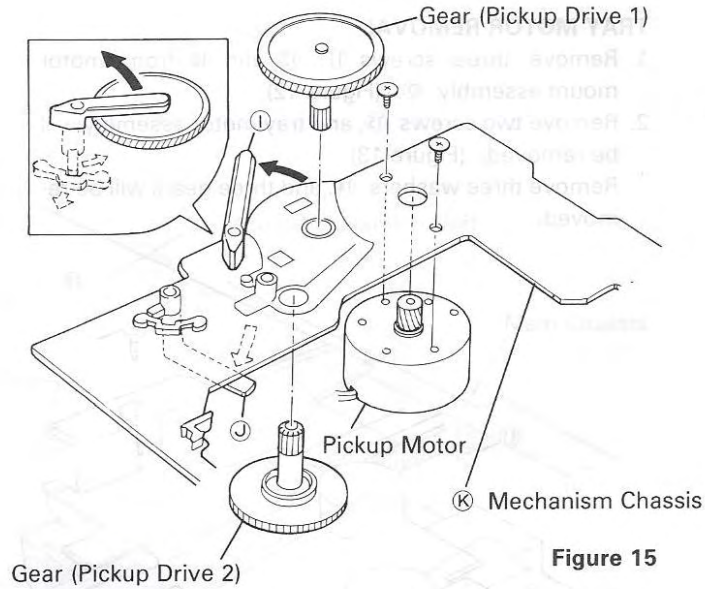


Figure 15

DISC TABLE MOUNTING PROCEDURES

After mounting Disc Motor Assembly to mechanism chassis, press disc table to disc table position.

Note: When replacing disc motor, replace disc table at the same time.

Some units have no disc table spacer for disc table mounting. Repairing disc motor assembly has a disc table spacer.

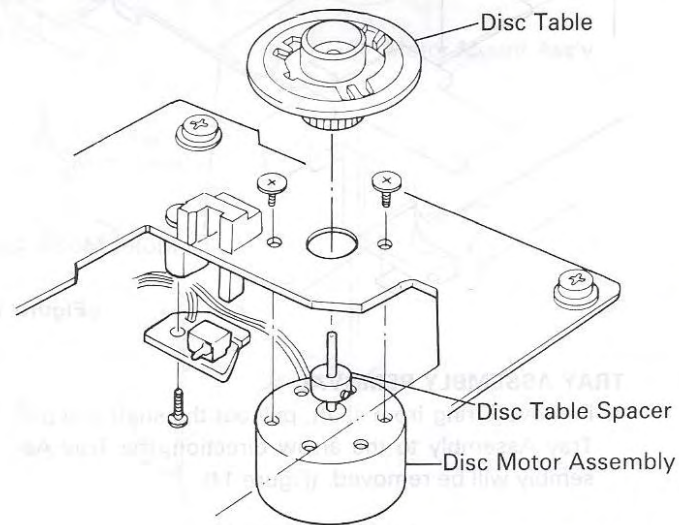


Figure 16

CAUTIONS ON LASER PICKUP REPLACEMENT

1. When removing pickup, short-circuit patterns as shown in figure to protect pickup and remove Pickup Flexible P.C. Board from Mechanism P.C. Board.
2. In case of repairing pickup, patterns have been short-circuited. After mounting the pickup, open the patterns short-circuited.

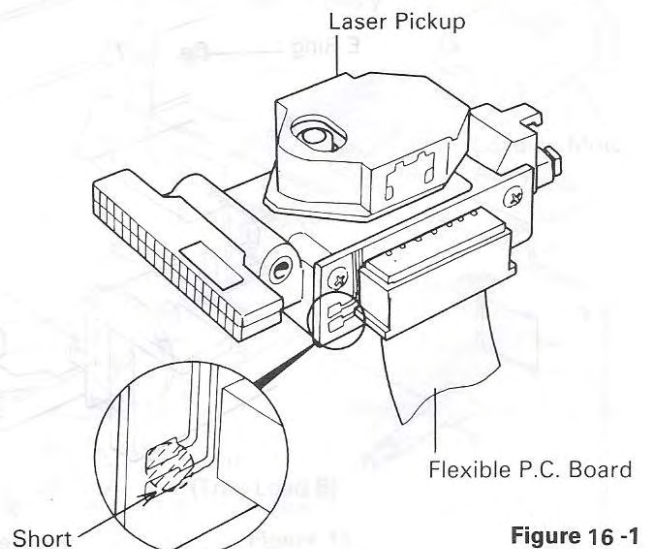


Figure 16-1

LASER PICKUP REMOVAL

1. Remove clamber lever assembly ②, clamber cam ①, motor mount assembly ③ and motor mount assembly ④. (Figure 10)
2. Remove one washer ⑨ from disc stop lever ⑥. (Figure 17)
3. Remove three screws ⑦ and one washer ⑧ from mount mechanism unit assembly ⑤, and mount mechanism unit assembly ⑤ will be removed from main chassis. (Figure 17)
4. Remove tray plate ⑩. (Figure 18)
5. Remove four screws ⑪ from mechanism unit ⑨, and mechanism unit will be removed. (Figures 18 and 19)
6. Remove pickup guide shaft ⑫ from mechanism unit ⑨, and pickup will be removed. (Figure 20)

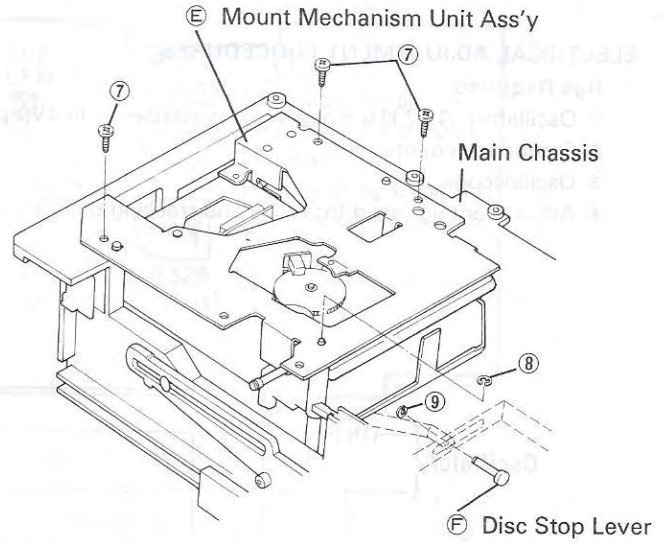


Figure 17

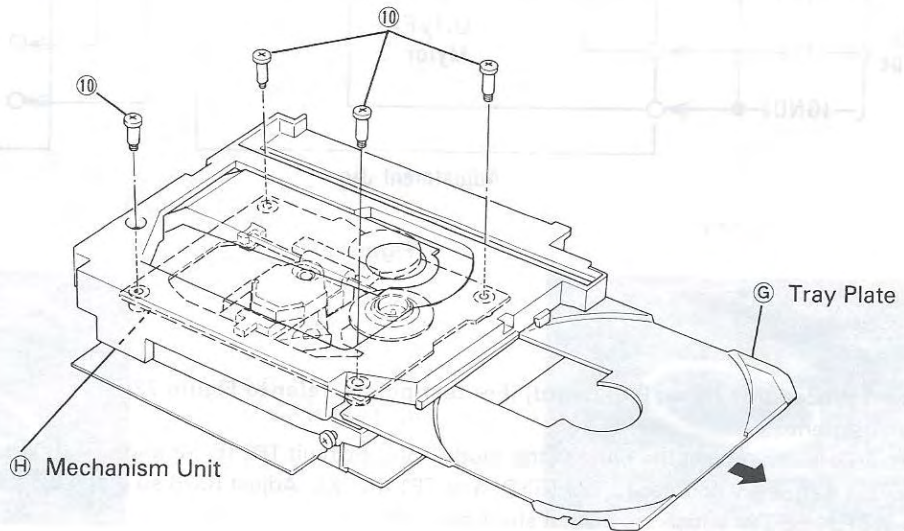


Figure 18

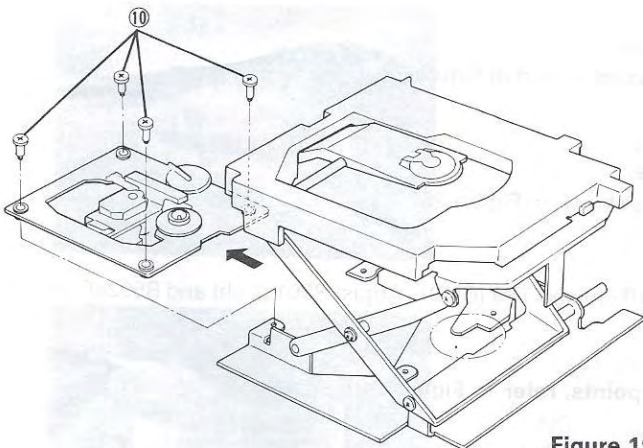


Figure 19

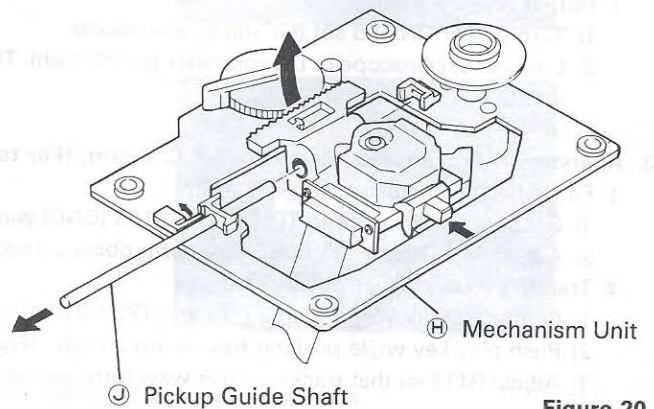


Figure 20

ADJUSTMENTS

ELECTRICAL ADJUSTMENT PROCEDURES

1. Jigs Required

- ① Oscillator: 1.37 kHz sinewave, adjustable up to 4Vp-p with alignment jig connected.
- ② Frequency counter
- ③ Oscilloscope
- ④ Adjustment jig (used for focus and tracking gain adjustment)

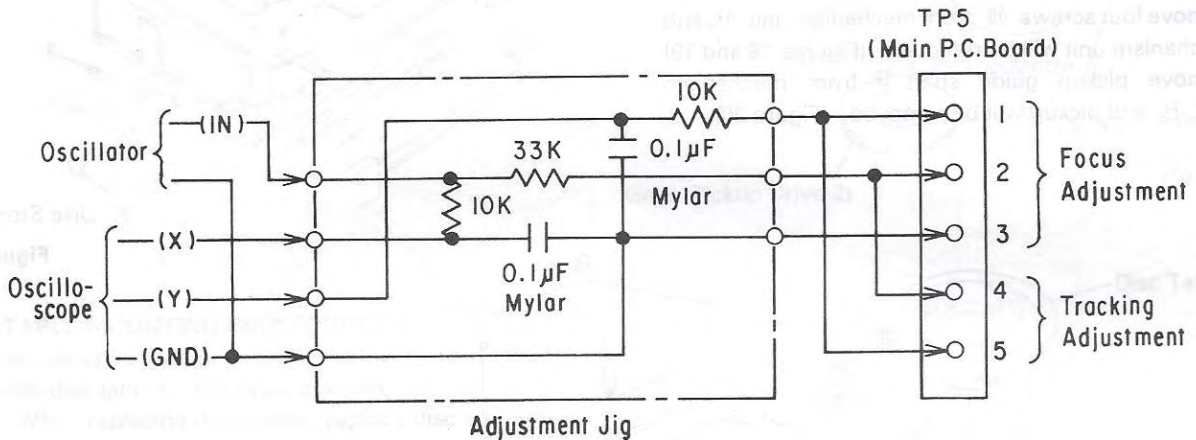


Figure 21

2. Adjustment Procedures [Main P.C. Board] (For test points, refer to Figure 22.)

- ① VCO adjustment
 - 1) Turn power ON and set the unit to stop mode. Short-circuit TP2 (EFM) and TP4 (GND).
 - 2) Connect frequency counter to TP4 (GND) and TP1 (PLCK). Adjust R316 so that 4.32 ± 0.01 (MHz) is obtained.
 - 3) Open TP2 and TP4 which have been short-circuited.
- ② Focus gain adjustment
 - 1) Connect adjustment jig. (Figure 21)
 - 2) Input 1.37 kHz, 2.5Vp-p signal from oscillator in play mode.
 - 3) Adjust R328 so that the waveform on oscilloscope shows as shown in Figure 23.
- ③ Tracking gain adjustment
 - 1) Connect adjustment jig. (Figure 21)
 - 2) Input 1.37 kHz, 4Vp-p signal from oscillator in play mode.
 - 3) Adjust R324 so that waveform on oscilloscope shows as shown in Figure 23.
- ④ Output offset adjustment
 - 1) Turn power ON and set the unit to stop mode.
 - 2) Connect oscilloscope or DC voltmeter to TP7 (L ch), TP8 (R ch) and TP9 (GND). Adjust R501 (L ch) and R502 (R ch) so that DC 0V is obtained.

3. Adjustment Procedures [Mechanism P.C. Board] (For test points, refer to Figure 24.)

- ① Focus balance adjustment
 - 1) Connect oscilloscope to TP1 (RF) and TP3 (GND) with the unit set to play mode.
 - 2) Adjust R113 so that 3T of RF waveform obtains max. (Figure 25)
- ② Tracking error balance adjustment
 - 1) Connect oscilloscope to TP2 (TE) and TP3 (GND) with the unit set to play mode.
 - 2) Push play key while pushing tray return switch. (Figure 27) (Tracking: OFF, Feeding motor: OFF)
 - 3) Adjust R112 so that tracking error waveform shows equal amplitude in its up and down swings. (Figure 26)

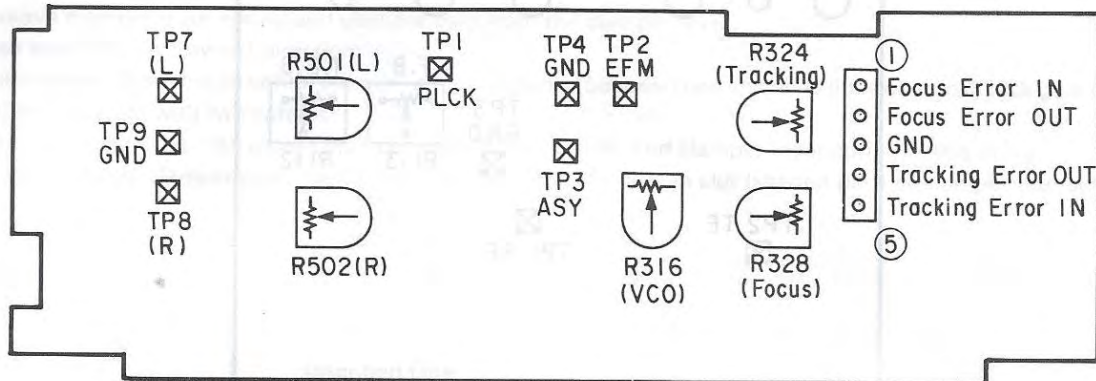


Figure 22 Test Points on Main P.C. Board

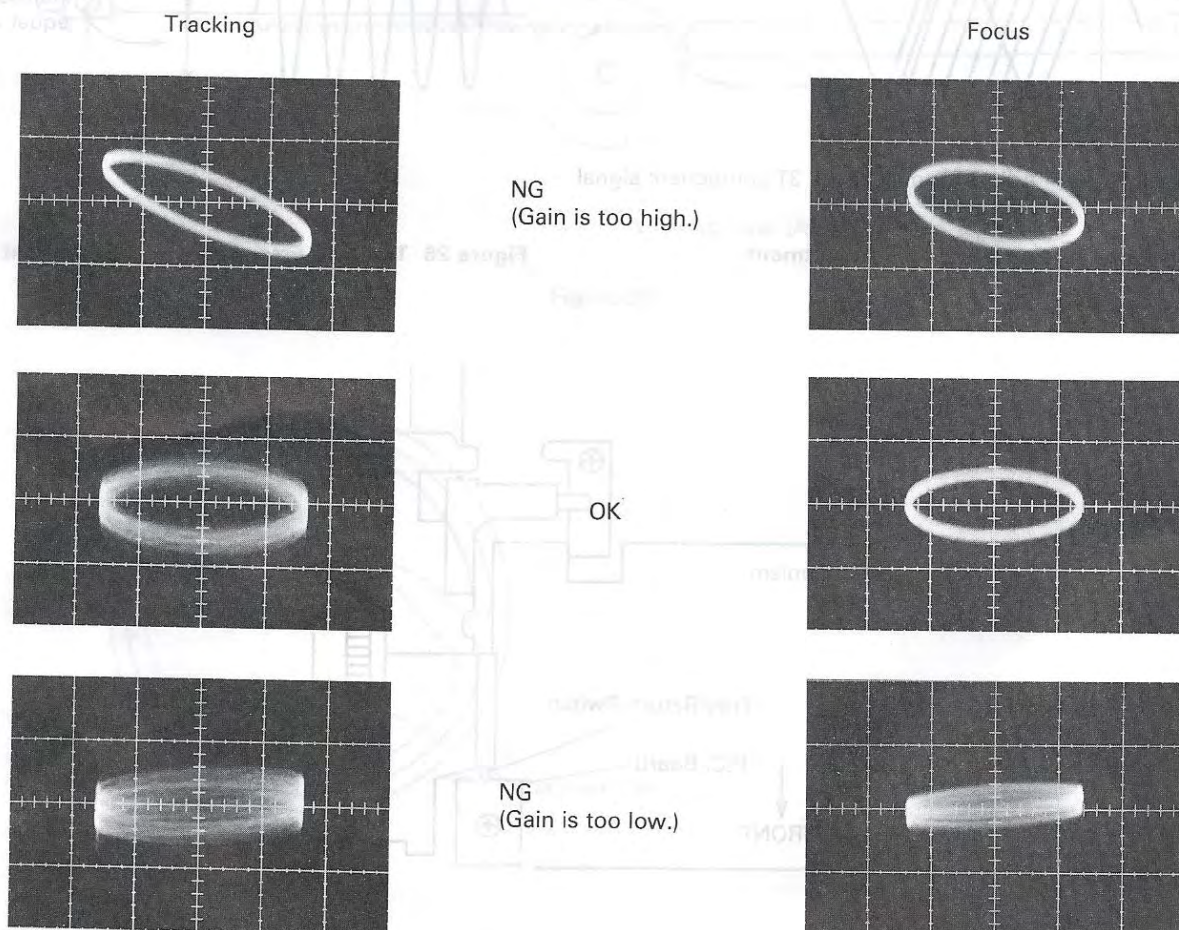


Figure 23 Focus and Tracking Gain Adjustment Lissajous Waveform

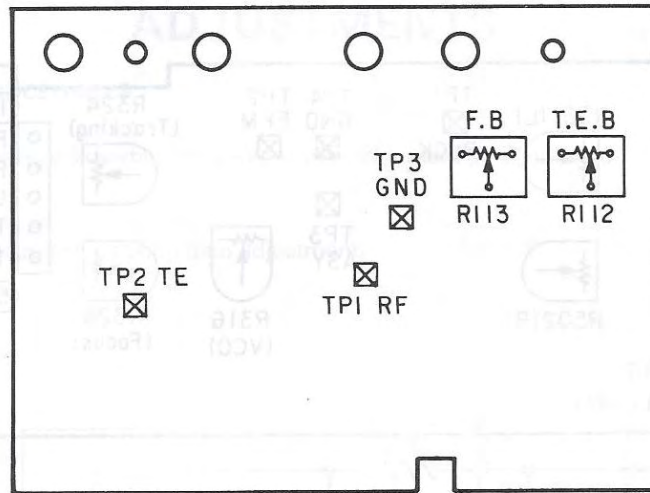


Figure 24 Test Points on Mechanism P.C. Board

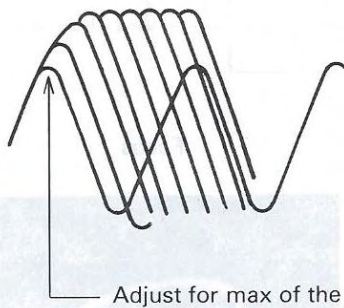


Figure 25 Focus Balance Adjustment

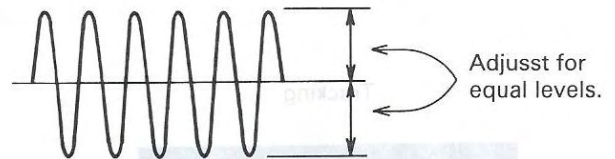


Figure 26 Tracking Error Balance Adjustment

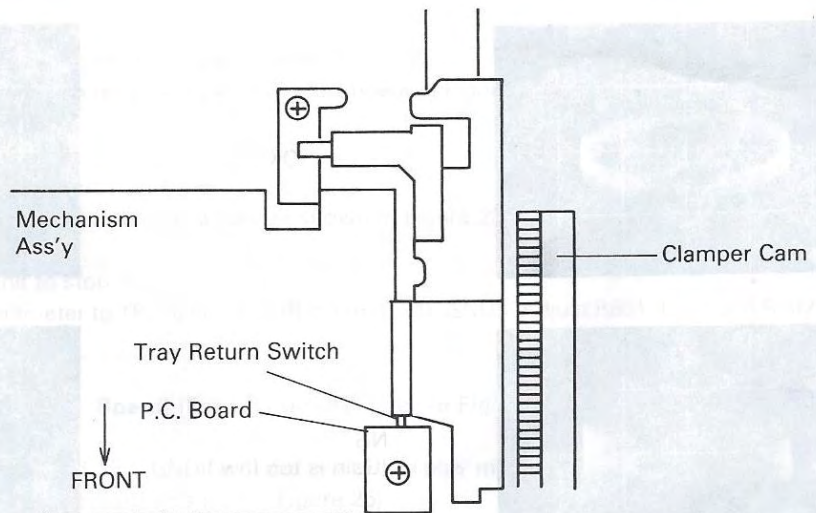


Figure 27 Tray Return Switch Position

MECHANICAL ADJUSTMENT PROCEDURES

1. Positioning of Tray Slider and Slider (A)

- ① Remove clamber lever spring and clamber cam from the clamber lever.
 - ② Push tray slider in forward direction.
 - ③ Mount slider (A) so that its center marker Δ is positioned between two inscribed lines on side of rack gear of tray slider and fix slider (A) with two screws.
 - ④ After mounting slider (A), mount clamber cam, clamber lever and clamber lever spring in this order.
- When mounting clamber cam, round boss of slider (A) should be in slot (shaded part) of clamber rear side. (Figure 29)

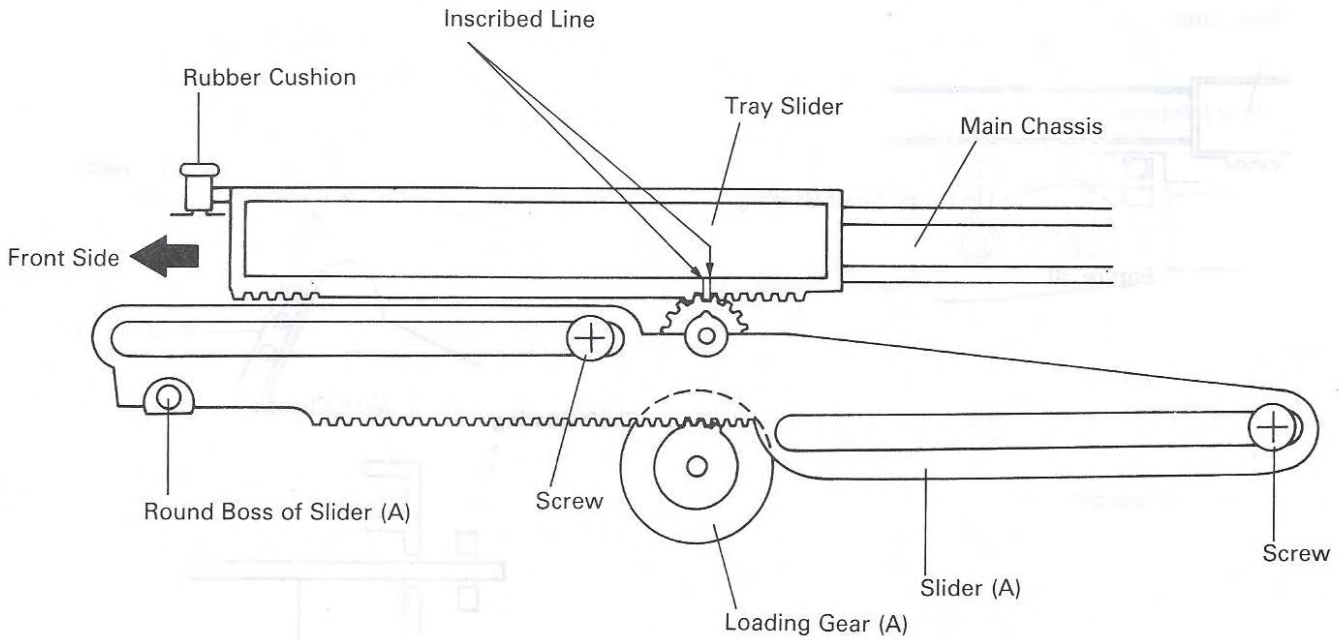


Figure 28

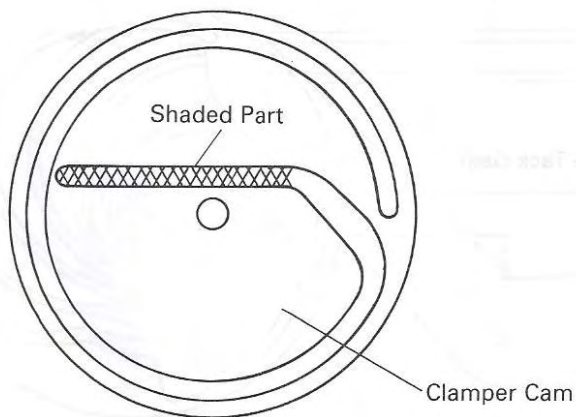


Figure 29

2. Search Tack Gear Position Adjustment

- ① Turn search tack gear until up-down shaft bearing is positioned at sixth disc.
(So that upper hole of two holes on side of main chassis to hole on up-down shaft bearing.)
- ② Insert $\phi 3$ pin (or a drill) through the two holes, and turn search tack gear to lift up the up-down shaft bearing by amount of pin backlash.
- ③ Adjust search tack gear position until search tack gear slit matches to tack sensor.

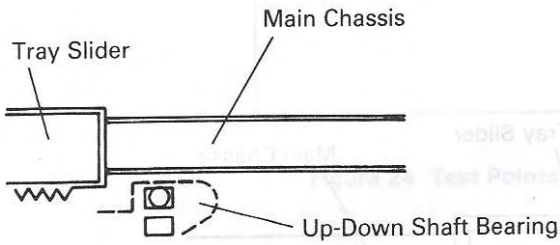


Figure 30

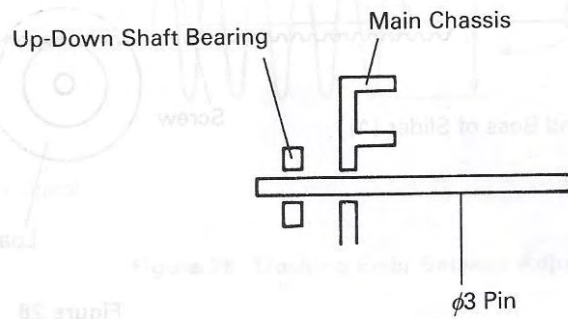


Figure 31

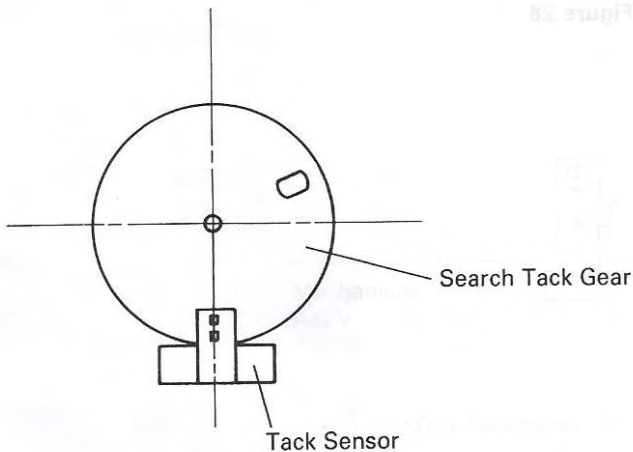


Figure 32

3. Tray Holder Height Adjustment

- ① After search tack gear position adjustment, rotate search tack gear by six turns in clockwise, viewed from bottom side to position both of the search tack gear slit and tack sensor in the same position again.
- ② Get rid of tray holder's upper and lower backlash by pushing tray holder from upper side.
- ③ Turn eccentricity cam so that cutout of clumper lever end matches first hole on clumper cam.
- ④ After adjustment, tighten screw with hex hole and fix it with screw lock.

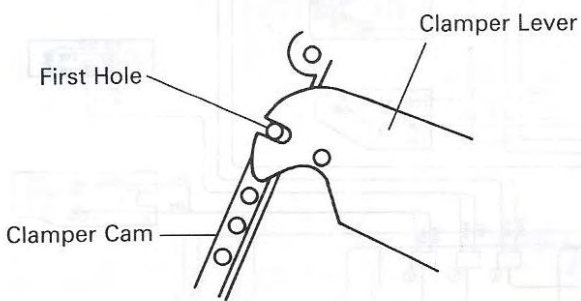


Figure 33

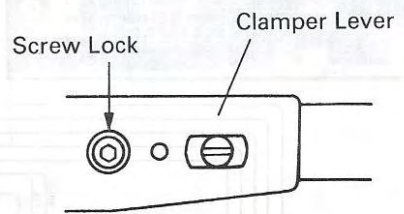


Figure 34

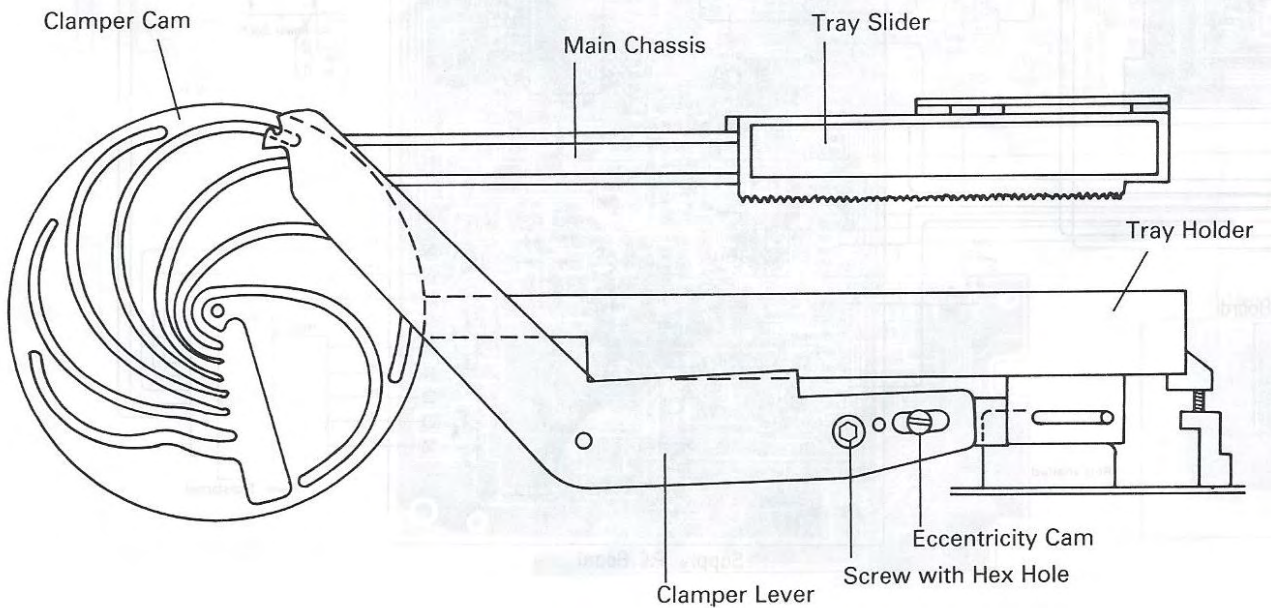


Figure 35

4. Down Limit Switch Height Position Adjustment

- ① Turn search tack gear clockwise until up-down shaft bearing touches search gear and stops.
- ② Turn search tack gear counterclockwise until search tack gear and tack sensor are located as shown in illustration.
- ③ Connect a circuit tester to 2P mini-connector (yellow). Turn eccentricity cam with minus driver until the switch turns ON at that position of tray.
- ④ After adjustment, tighten screw and fix it with screw lock.

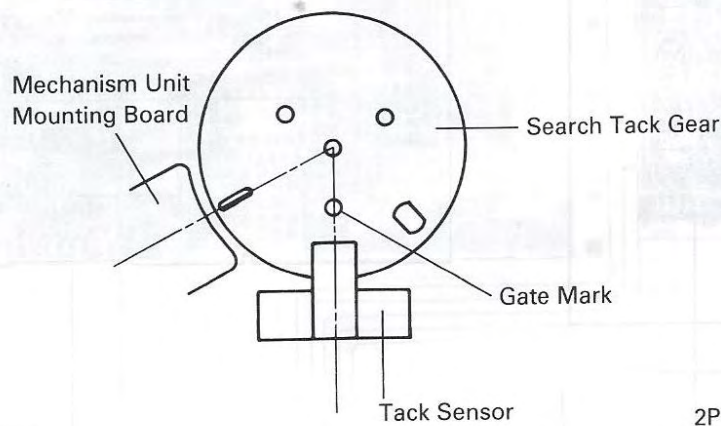


Figure 36

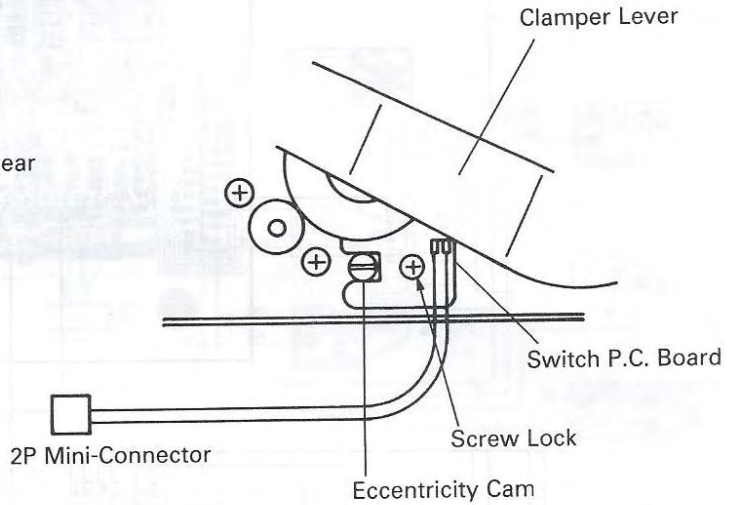


Figure 37

5. Clamper Adjustment

- ① Insert slant disc (applied with cotton tape) into fifth magazine. (Figure 39)
- ② Play back fifth disc.
- ③ Tighten adjusting screw on clamper lever rear side until clamper lever touches disc and rustling noise is heard.
(Note: When the noise is heard, adjusting screw should not be tightened.)
- ④ Untighten adjusting screw until the noise disappears and then further untighten the screw by 3 turns.

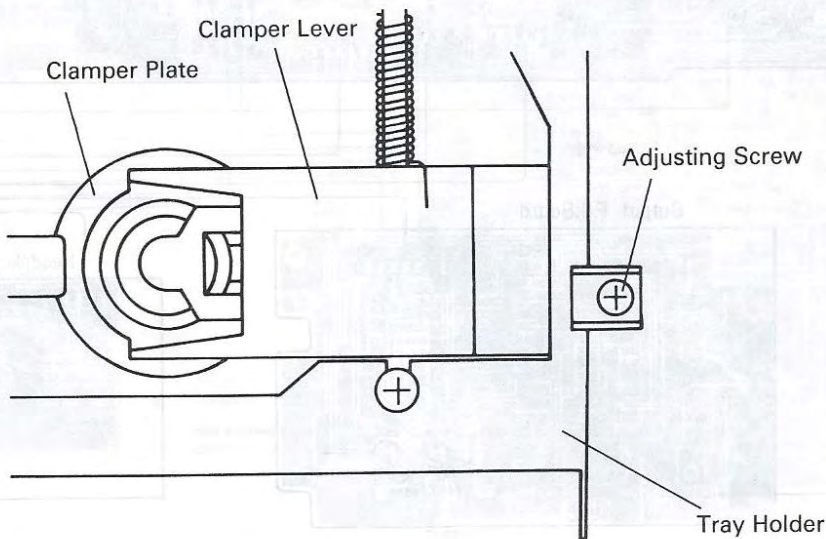


Figure 38

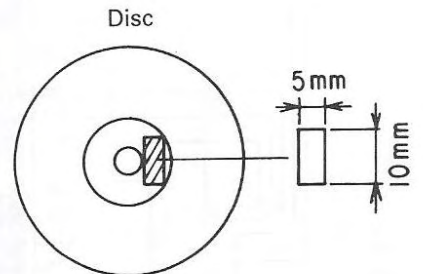
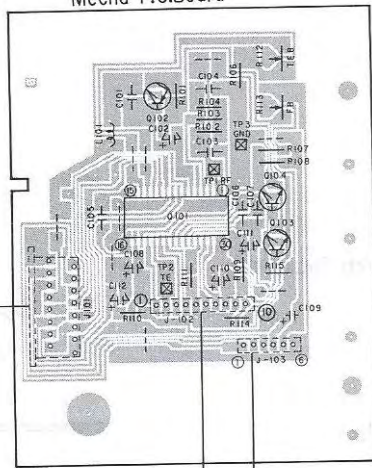


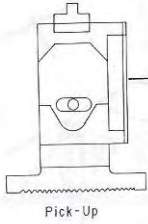
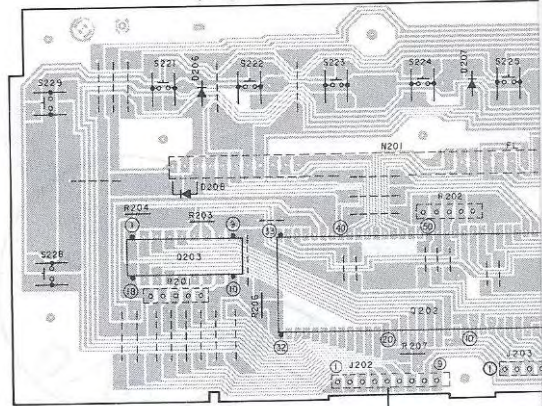
Figure 39

ELECTRICAL P

Mecha P.C.Board

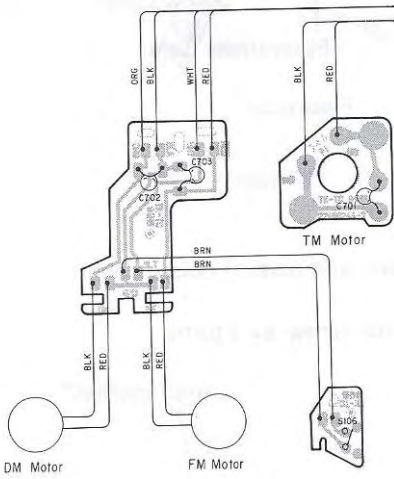
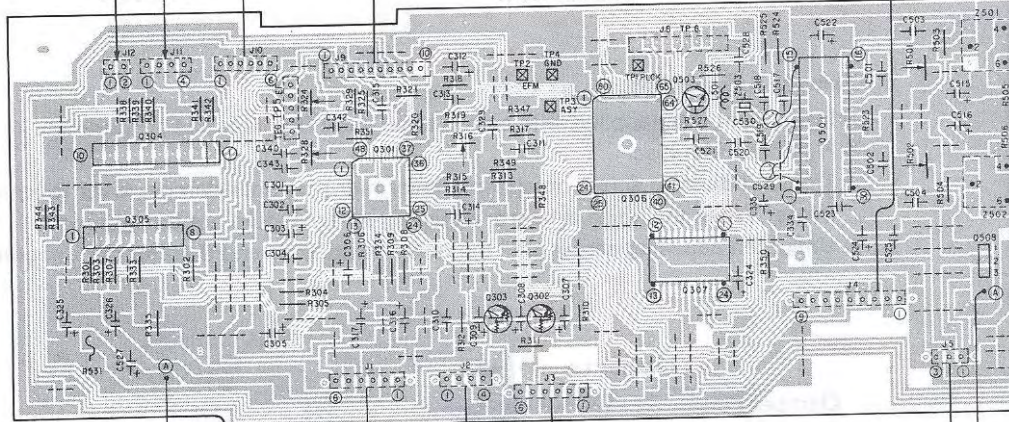


Display P.C.Board

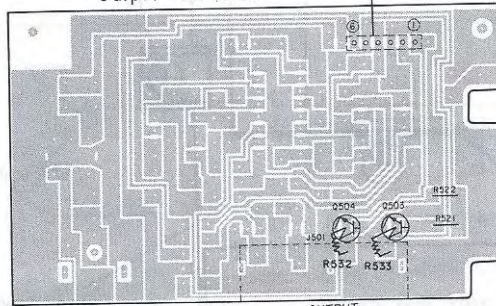


Pick-Up

Main P.C.Board

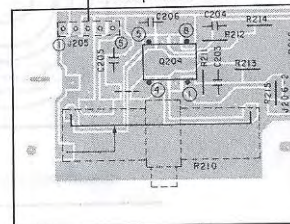


Output P.C.Board

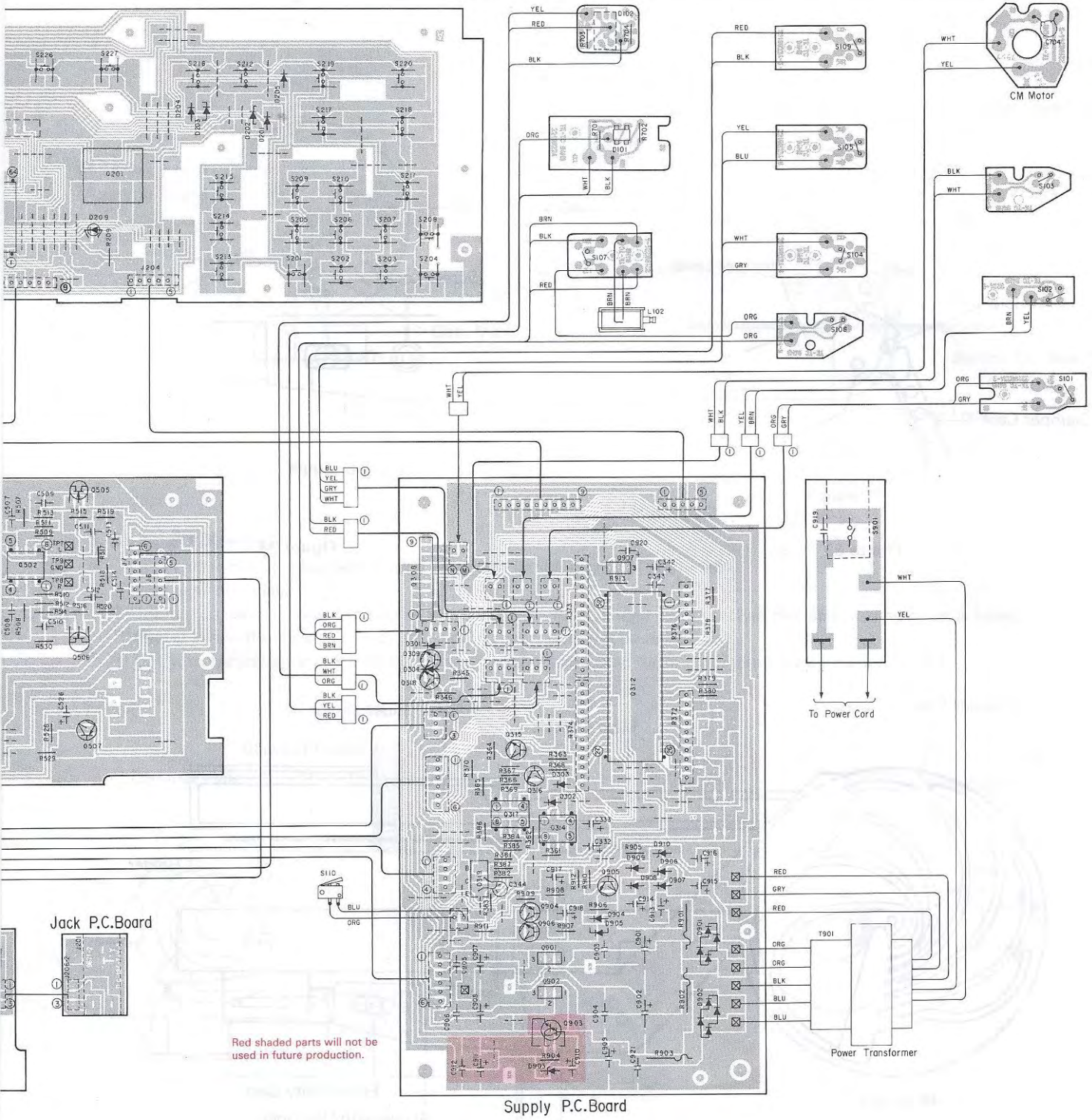


OUTPUT

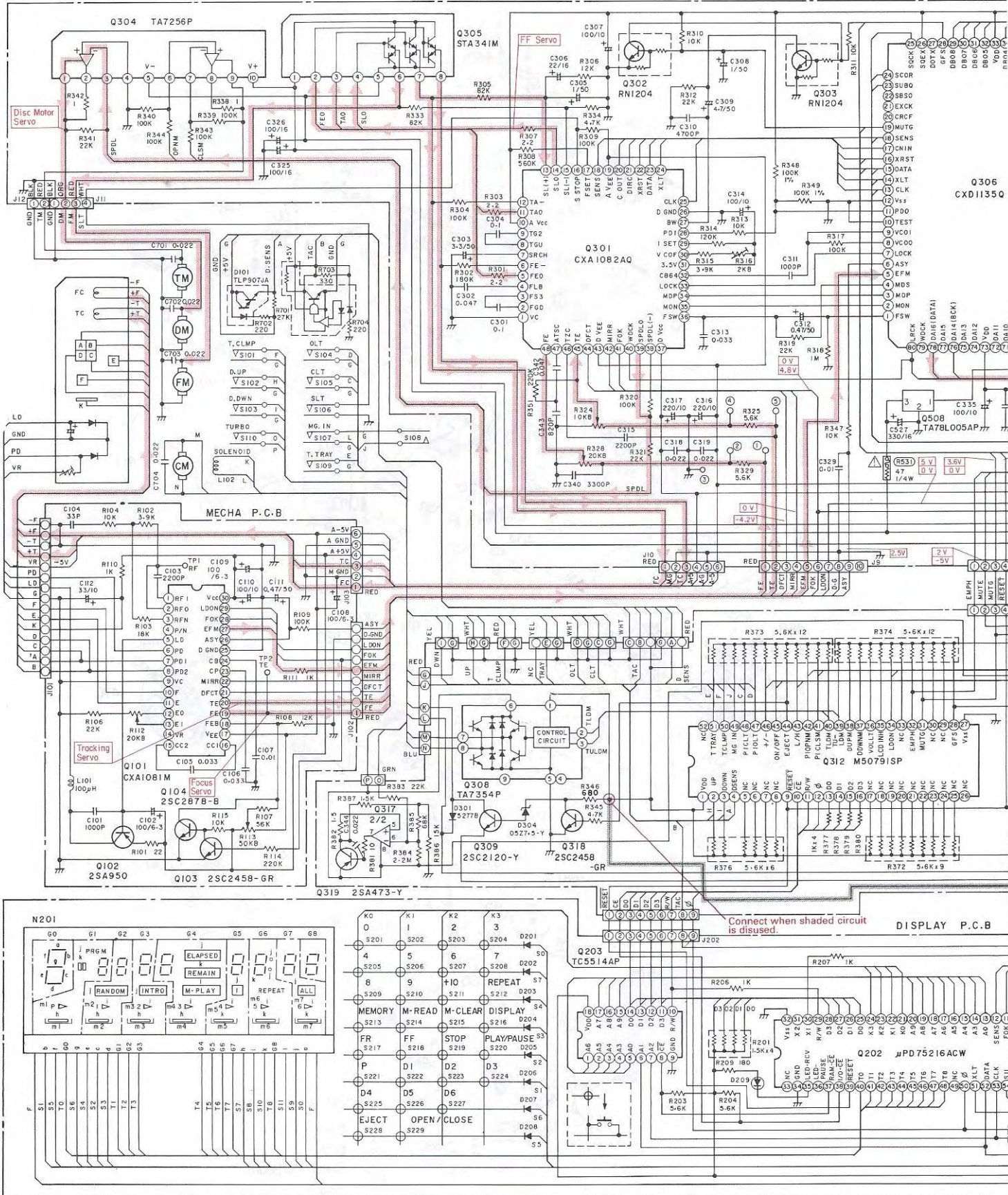
Headphone P.C.Board



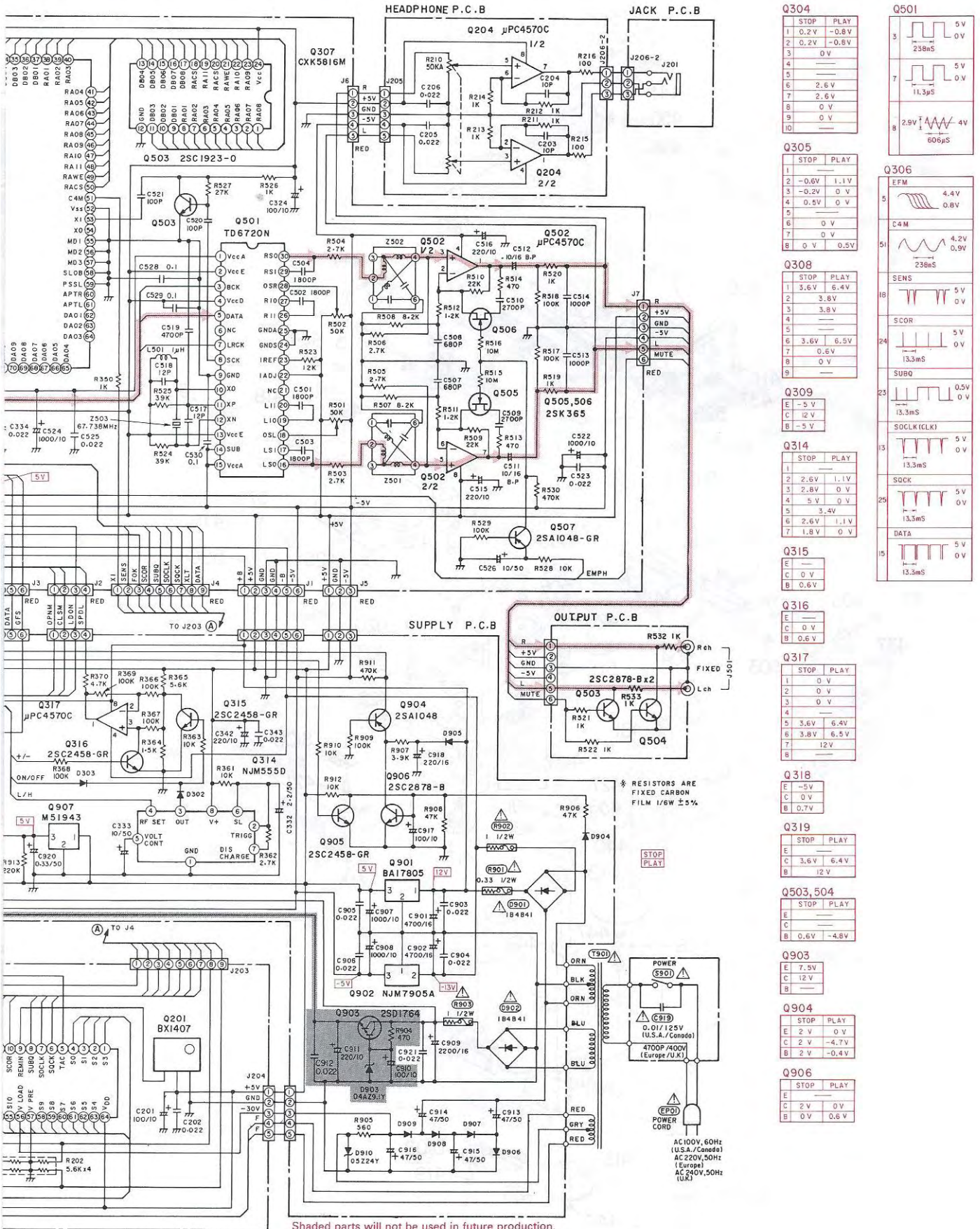
ARTS LOCATIONS



MAIN P.C.B

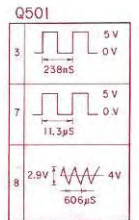


DIAGRAM



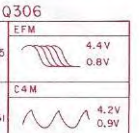
Q304

STOP	PLAY
1	0.2V -0.8V
2	0.2V -0.8V
3	0V
4	0V
5	2.6V
6	2.6V
7	0V
8	0V
9	0V
10	0V



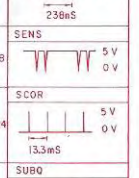
Q305

STOP	PLAY
1	0V
2	-0.6V 1.1V
3	-0.2V 0V
4	0.8V 0V
5	0V
6	0V
7	0V
8	0V 0.5V



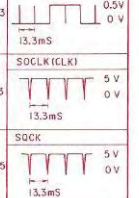
Q308

STOP	PLAY
1	3.6V 6.4V
2	3.8V
3	3.8V
4	0V
5	0V
6	3.6V 6.5V
7	0.6V
8	0V
9	0V



Q314

STOP	PLAY
1	2.6V 1.1V
2	2.8V 0V
3	3.4V 0V
4	3.4V
5	2.6V 1.1V
6	2.6V 1.1V
7	1.8V 0V



Q316

E	-5V
C	0V
B	0.6V

Q317

STOP	PLAY
1	0V
2	0V
3	0V
4	0V
5	3.6V 6.4V
6	3.8V 6.5V
7	12V
8	0V

Q318

E	-5V
C	0V
B	0.7V

Q319

STOP	PLAY
E	0V
C	3.6V 6.4V
B	12V

Q503, 504

STOP	PLAY
E	0V
C	-4.7V
B	2V -0.4V

Q903

E	7.3V
C	12V
B	0V

Q904

STOP	PLAY
E	2V 0V
C	2V -4.7V
B	2V -0.4V

Q906

STOP	PLAY
E	0V
C	0V
B	0.6V

* RESISTORS ARE FIXED CARBON FILM 1/6W ±5%

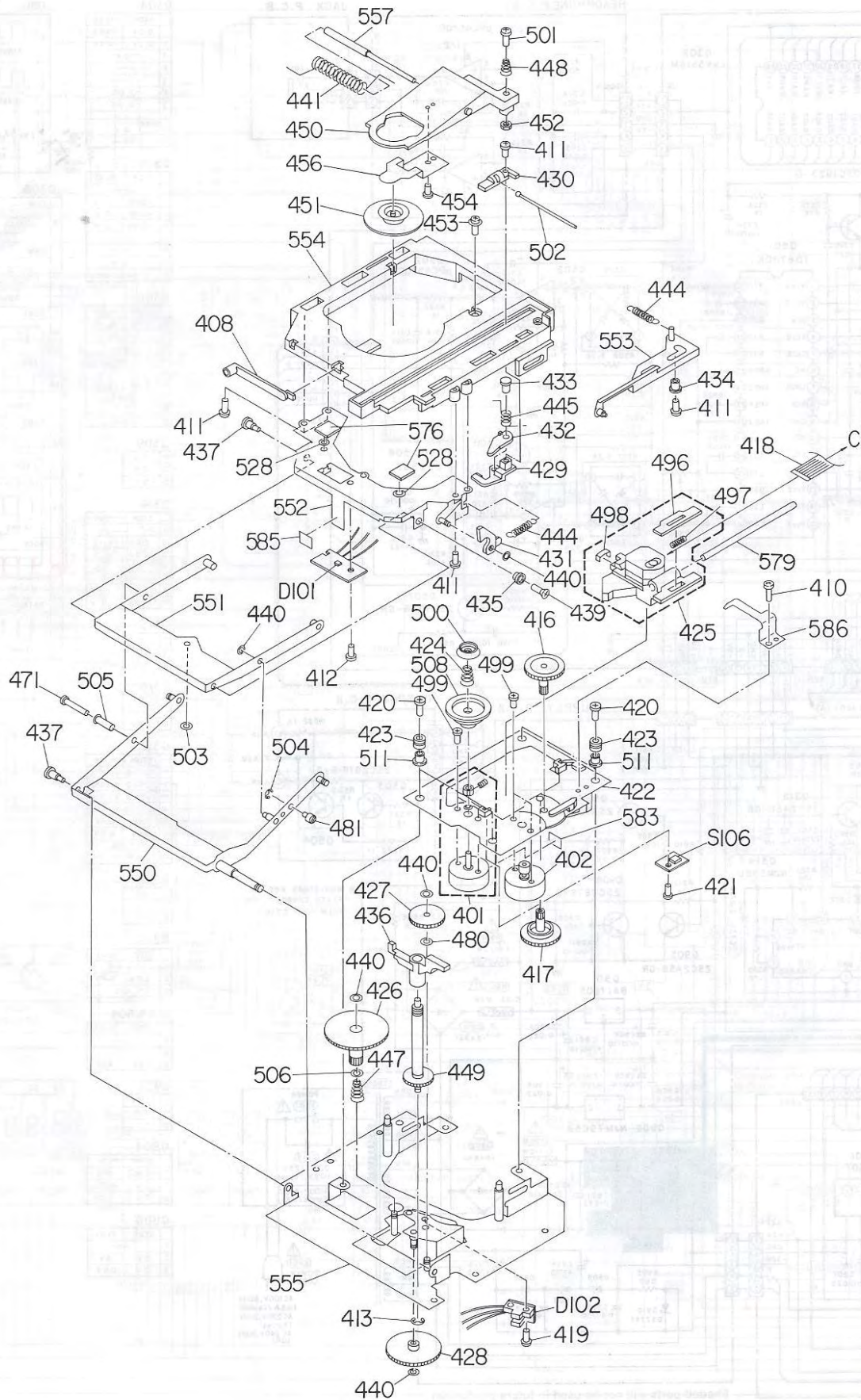
STOP PLAY

STOP PLAY

STOP PLAY

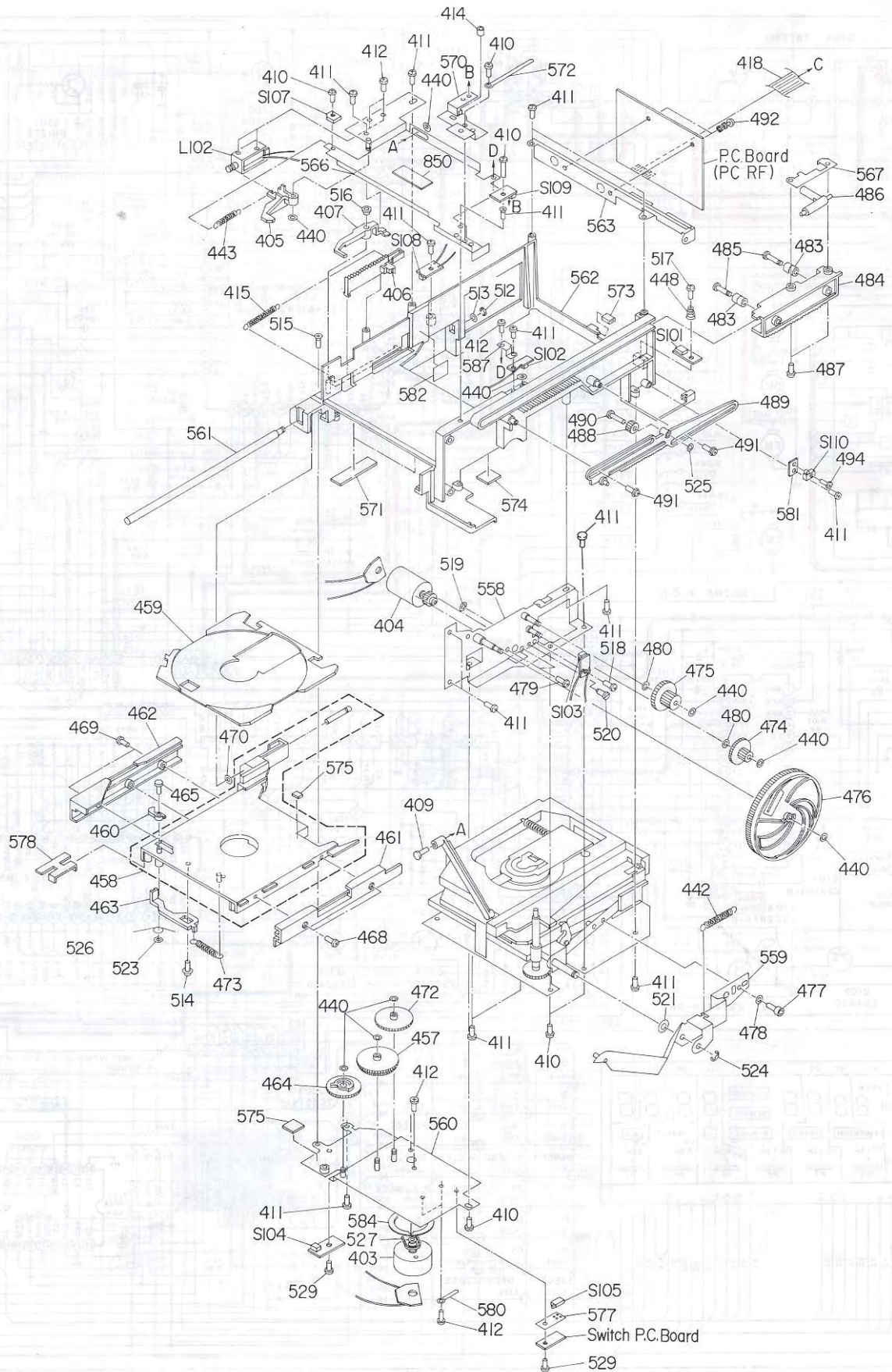
CAUTION: The mark, the Location No. circled with oval in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list.

CD PLAYER MECHA



CAUTION: The  mark the location of the laser diode and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list.

ANISM EXPLODED VIEW



NOTE: Parts excluded in the parts list are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

CD PLAYER MECHANISM PARTS LIST

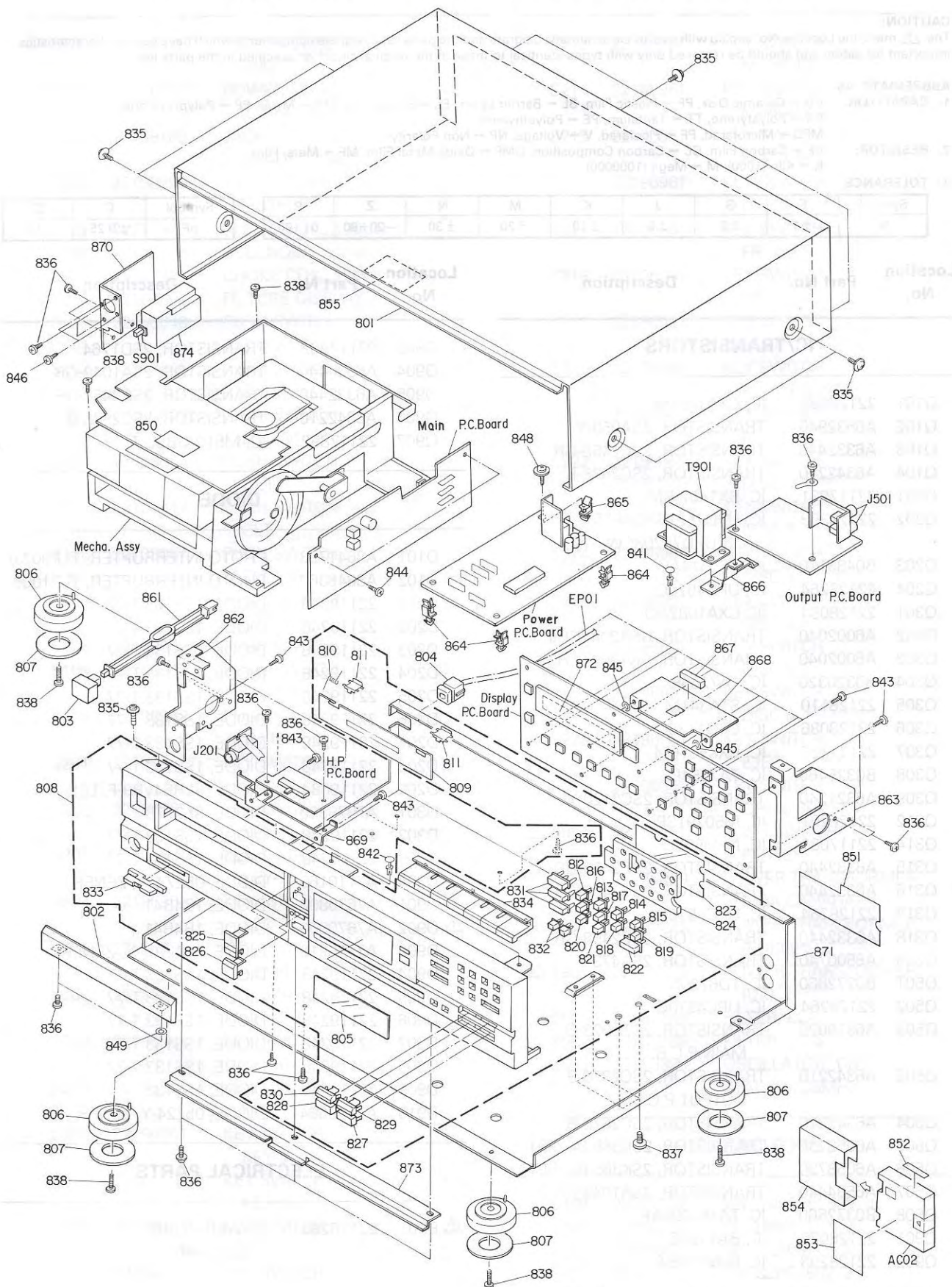
Location No.	Part No.	Description	Location No.	Part No.	Description
401	22125911	MOTOR ASSY, DISC	447	25777723	SPRING
402	22125901	MOTOR ASSY, PICK DRIVE			CLUTCH
403	22125902	MOTOR ASSY, TRAY CAM	448	25777748	SPRING
404	22125903	MOTOR ASSY, LOADING			CLAMP ADJUST
405	20754348	LEVER, LOCK	449	25709714	GEAR ASSY, SEARCH
406	20754349	SLIDER	450	20754342	LEVER, CLAMPER
		RETURN	451	20754343	PLATE, CLAMPER
407	20754350	LEVER, TRAY RELEASE	452	22702216	NUT, 2.6MM
408	20754377	LEVER, DISC STOP	453	22707825	SCREW, 2.6X6MM, Z, TPAN
409	20764435	PIN, DISC LEVER	454	22707913	SCREW, 2.6X6MM, Z, 2DTBID
410	22707366	SCREW, 2.6X6MM, Z, DTBID	456	25779700	SPRING
411	22707979	SCREW, 2.6X8MM, Z, 2DTBID			CLAMPER
412	22708528	SCREW, 2.6X3MM, Z, BID	457	20727236	GEAR
413	22708568	E RING, 2.0MM, Z			MIDDLE
414	25761533	CUSHION, STOPPER	458	20748466	TRAY ASSY
415	25778617	SPRING	459	20749153	PLATE, TRAY
		RETURN	460	20754359	LEVER
416	20727242	GEAR	461	20754364	TRAY GUIDE, R
		PICK UP DRIVE 1	462	20754365	TRAY GUIDE, L
417	20727243	GEAR	463	20754366	SLIDER, TRAY
		PICK UP DRIVE 2	464	20757047	CAM, DRIVE
418	22199251	PC BOARD, FLEXIBLE	465	20764436	PIN, LOCK
419	22701285	SCREW, 2.6X6MM, Z, PAN	468	22709084	SCREW, 2.0X10MM, B, 12BID
420	22709124	SCREW, SPECIAL	469	22709085	SCREW, 2.0X6MM, B, 2DTBID
		(#1 ~ 5000)	470	25761582	CUSHION, RUBBER
420	22708271	SCREW, SPECIAL	471	22708820	SCREW, 2.6X20MM, Z, PAN
		(#5001 ~)	472	25758300	PULLEY, RELAY
421	22708807	SCREW, SPECIAL	473	25770089	SPRING
422	20741534	CHASSIS, PICK-UP	474	20727245	GEAR
423	25761576	CUSHION, PICK-UP			TRAYLOAD-A
424	25777708	SPRING	475	20727246	GEAR
		CENTER RING			TRAYLOAD-B
425	22155127	PICK-UP ASSY	476	20757050	CAM, CLAMPER
426	20727229	GEAR, CLUTCH	477	22707894	SCREW, 3.0X6MM, B, SPECIAL
427	20727230	GEAR	478	22708561	WASHER, 2.6MM
		RELAY SEARCH	479	22709086	SCREW, 3.0X3MM, Z, PAN
428	20727231	GEAR	480	25766150	WASHER, 3.1X6.0X0.25T
		SEARCH TACK	481	20764403	PIN, ADJUST
429	20754339	SLIDER A, TRAY	483	20748398	ROLLER
430	20754341	SLIDER B, TRAY	484	20754340	SLIDER, DRIVE
431	20754347	LEVER, LOCK SEARCH	485	20764405	SHAFT, ROLLER
432	20754379	LEVER, HOLD	486	20776162	HOLDER, MOVE
433	20764442	BUSH	487	22708525	SCREW, 2.0X5MM, Z, BID
434	20764444	BUSH	488	20727238	GEAR
435	20773424	COLLAR			SLIDE
436	20776160	SCREW, SEARCH	489	20754344	SLIDER A
437	22707429	SCREW, 2.6X4.9MM, SPECIAL	490	20764383	PIN, SLIDE GEAR
439	22708599	SCREW, 2.6X5MM, Z, FLT	491	22708827	SCREW, 2.6X8MM, Z, 2DTPANW
440	25766199	WASHER, 2.1X4.5X0.4T	492	22705020	PLASTIC RIVET, 3.0X4.5MM
441	25770079	SPRING	494	22708818	SCREW, 2.0X8MM, Z, PAN
442	25770080	SPRING	496	20727244	GEAR
		LEVER			RACK
443	25770081	SPRING	497	25777632	SPRING
		LOCK LEVER	498	25779699	SPRING
444	25770088	SPRING			PICK-DAMP
		SEARCH	499	22707680	SCREW, 1.7X3MM, N, BID
445	25770099	SPRING	500	20776161	RING, CENTER
		D-H-LEVER	501	22708533	SCREW, 2.6X8MM, Z, BID

Location No.	Part No.	Description	Location No.	Part No.	Description
502	20764382	PIN, SLIDER	517	22708716	SCREW, 2.6X12MM, Z, 2DTPANW
503	20776172	CUSHION	518	22707617	SCREW, 2.6X6MM, Z, DTPAN
504	22703470	E RING, 2.0MM, Z, SPECIAL	519	22703472	E RING, 1.5MM, Z, SPECIAL
505	20773397	SLEEVE	520	20764457	CAM
506	25764480	WASHER, 3.0X4.3X0.13T, PO	521	25766189	WASHER, 5.2X10X0.5T, PO
508	20723190	DISC TABLE	523	25766229	WASHER, 1.5X5.0X0.5T
511	22709125	SPACER (#1~5000)	524	22708570	E RING, 4.0MM, Z
512	22708569	E RING, 3.0MM, Z	525	25766050	WASHER, 1.6X4.0X0.5T, PO
513	25761521	CUSHION, PU STOP	526	25778580	SPRING
514	22709093	SCREW, 2.6X6MM, B, TPANW	527	25759147	BELT, DRIVE
515	22708576	SCREW, 2.0X10MM, Z, BID	528	25766500	WASHER, 1.58X2.2X0.5T, PO
516	25783260	BUSHING, BLACK	529	22708382	SCREW, 2.6X3MM, Z, PAN

CD PLAYER CABINET PARTS LIST

Location No.	Part No.	Description	Location No.	Part No.	Description
801	20848856	TOP COVER	827	22884904	KNOB PLAY
802	20713862	PANEL, TRAY	828	22884920	KNOB STOP
803	20872224	KNOB, POWER	829	22884903	KNOB FF
804	25844322	BUSH POWER CORD	830	22884919	KNOB FR
806	22874539	FOOT	831	22884901	KNOB MEMORY
807	22766696	CUSHION, FOOT	832	20872302	KNOB
808	20713863	PANEL ASSY, FRONT	833	22884908	KNOB VOLUME
809	20848855	COVER, MAGAZINE	834	22884907	KNOB DISC
810	20703914	SPRING EJECT	835	22708776	SCREW, 3.0X8MM, B, 2DTPANW
811	22882659	HOLDER, DOOR	836	22707842	SCREW, 3.0X8MM, Z, 2DTBID
812	22884909	KNOB KEY-0	837	22707185	SCREW, 4.0X8MM, B, FTBID
813	22884910	KNOB KEY-1	838	22703670	SCREW, 3.0X6MM, B, 2DTPANW
814	22884911	KNOB KEY-2	839	22755925	PROTECTOR
815	22884912	KNOB KEY-3	841	22705021	PLASTIC RIVET, 3.0X3.5MM
816	22884913	KNOB KEY-4	842	22705515	PLASTIC RIVET, 2.4X6.0MM
817	22884914	KNOB KEY-5	843	22707826	SCREW, 3.0X10MM, Z, 2DTBID
818	22884915	KNOB KEY-6	844	22707350	SCREW, 2.6X5MM, Z, DTBID
819	22884916	KNOB KEY-7	845	22753756	WASHER, 3.2X8X0.5T
820	22884917	KNOB KEY-8	846	22708538	SCREW, 3.0X5MM, Z, BID
821	22884918	KNOB KEY-9	848	22708048	SCREW, 3.0X10MM, Z, TPAN
822	22884902	KNOB (+)10 KEY	850	22907153	LABEL, LASER-2
823	25848642	SUPPORTER	851	22867465	NAME PLATE (USA)
824	22766694	CUSHION, KEY	851	22867468	NAME PLATE (EUROPE)
825	22884905	KNOB EJECT	851	22867469	NAME PLATE (UK)
826	22884906	KNOB OPEN	851	22867470	NAME PLATE (CANADA)
			852	22867467	LABEL, MAGAZINE CASE
			853	22867466	LABEL, MAGAZINE
			854	22721635	CASE, MAGAZINE
			855	22755939	PROTECTOR, SWITCH

CD PLAYER CABINET EXPLODED VIEW



NOTE: Parts excluded in the parts list are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

PARTS LIST

CAUTION:

The Δ mark, the Location No. circled with oval in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list.

ABBREVIATIONS

1. **CAPACITOR:** CD = Ceramic Disk, PF = Plastic Film, BL = Barrier Layer, EL = Electrolytic, MY = Mylar, PP = Polypropylene, PS = Polystyrene, TT = Tantalum, PE = Polyethylene
 MFD = Microfarad, PF = Picofarad, V = Voltage, NP = Non Polarity
2. **RESISTOR:** CF = Carbon Film, CC = Carbon Composition, OMF = Oxide Metal Film, MF = Metal Film
 K = Kilo (1000), M = Mega (1000000)
3. **TOLERANCE**

Symbol	F	G	J	K	M	N	Z	P
%	±1	±2	±5	±10	±20	±30	-20+80	0+100

Symbol	C	D
pF	±0.25	±0.5

Location No.	Part No.	Description	Location No.	Part No.	Description
IC/TRANSISTORS					
			Q903	22117962	TRANSISTOR, 2SD1764
			Q904	A6534440	TRANSISTOR, 2SA1048-GR
			Q905	A6332440	TRANSISTOR, 2SC2458-GR
			Q906	A6342210	TRANSISTOR, 2SC2878-B
			Q907	22117892	IC, M51943BSL-T
Q101	22128085	IC, CXA1081M	DIODE		
Q102	A6532940	TRANSISTOR, 2SA950-Y	D101	A8641793	PHOTO INTERRUPTER, TLP907JA
Q103	A6332440	TRANSISTOR, 2SC2458-GR	D102	A8646060	PHOTO INTERRUPTER, TLP1006
Q104	A6342210	TRANSISTOR, 2SC2878-B	D201	22119248	DIODE, 1SS133.T-77
Q201	22117931	IC, BX1407-RM	D202	22119248	DIODE, 1SS133.T-77
Q202	22128358	IC, UPD75216ACW-057 OR UPD75208CW	D203	22119248	DIODE, 1SS133.T-77
Q203	B0483110	IC, TC5514AP	D204	22119248	DIODE, 1SS133.T-77
Q204	22128264	IC, UPC4570C	D205	22119248	DIODE, 1SS133.T-77
Q301	22128084	IC, CXA1082AQ	D206	22119248	DIODE, 1SS133.T-77
Q302	A6002040	TRANSISTOR, RN1204, CHIP	D207	22119248	DIODE, 1SS133.T-77
Q303	A6002040	TRANSISTOR, RN1204, CHIP	D208	22119248	DIODE, 1SS133.T-77
Q304	B0320320	IC, TA7256P	D209	22119084	DIODE, SLR54VR3-F, LED
Q305	22128110	IC, STA341M	D301	A7978380	DIODE, S5277B
Q306	22128086	IC, CXD1135Q	D302	22119248	DIODE, 1SS133.T-77
Q307	22117936	IC, CXK5816M	D303	22119248	DIODE, 1SS133.T-77
Q308	B0325460	IC, TA7354P	D304	A7110160	DIODE, 05Z7.5-Y, ZENER
Q309	A6321240	TRANSISTOR, 2SC2120-Y	Δ D901	A7670800	DIODE, 1B4B41
Q312	22128291	IC, M50791SP	Δ D902	A7670800	DIODE, 1B4B41
Q314	22117081	IC, NJM555D	D903	A7116915	DIODE, 04AZ9.1-Y, ZENER
Q315	A6332440	TRANSISTOR, 2SC2458-GR	D904	22119248	DIODE, 1SS133.T-77
Q316	A6332440	TRANSISTOR, 2SC2458-GR	D905	22119248	DIODE, 1SS133.T-77
Q317	22128264	IC, UPC4570C	D906	22119248	DIODE, 1SS133.T-77
Q318	A6332440	TRANSISTOR, 2SC2458-GR	D907	22119248	DIODE, 1SS133.T-77
Q319	A6500740	TRANSISTOR, 2SA473-Y	D908	22119248	DIODE, 1SS133.T-77
Q501	B0272860	IC, TD6720N	D909	22119248	DIODE, 1SS133.T-77
Q502	22128264	IC, UPC4570C	D910	A7110664	DIODE, 05Z24-Y, ZENER
Q503	A6319020	TRANSISTOR, 2SC1923-O MAIN P.C.B.	ELECTRICAL PARTS		
Q503	A6342210	TRANSISTOR, 2SC2878-B OUTPUT P.C.B.	Δ EP01	22176286	POWER CORD (EUROPE)
Q504	A6342210	TRANSISTOR, 2SC2878-B			
Q505	A6058730	TRANSISTOR, 2SK365-BL, FET			
Q506	A6058730	TRANSISTOR, 2SK365-BL, FET			
Q507	A6534440	TRANSISTOR, 2SA1048-GR			
Q508	B0372560	IC, TA78L005AP			
Q901	22128025	IC, BA17805			
Q902	22128293	IC, NJM7905A			

Location No.	Part No.	Description	Location No.	Part No.	Description
△ EP01	22176628	POWER CORD (UK)	S213	22196961	KEY SWITCH MEMORY
△ EP01	22176759	POWER CORD (USA,CANADA)	S214	22196961	KEY SWITCH M-READ
J201	22198165	JACK HEADPHONE	S215	22196961	KEY SWITCH M-CLEAR
J501	22198295	JACK, US-2P OUTPUT	S216	22196961	KEY SWITCH DISPLAY
L101	22211343	CHOKE COIL, 100UH	S217	22196961	KEY SWITCH FR
L102	22147298	SOLENOID	S218	22196961	KEY SWITCH FF
L501	22291288	CHOKE COIL, 1UH	S219	22196961	KEY SWITCH STOP
N201	22104692	FL TUBE DISPLAY	S220	22196961	KEY SWITCH PLAY/PAUSE
S101	22108046	PUSH SWITCH T.CLAMP	S221	22196961	KEY SWITCH P
S102	22108046	PUSH SWITCH D. UP	S222	22196961	KEY SWITCH DISC 1
S103	22108047	PUSH SWITCH D. DWN	S223	22196961	KEY SWITCH DISC 2
S104	22108047	PUSH SWITCH OLT	S224	22196961	KEY SWITCH DISC 3
S105	22108047	PUSH SWITCH CLT	S225	22196961	KEY SWITCH DISC 4
S106	22108047	PUSH SWITCH SLT	S226	22196961	KEY SWITCH DISC 5
S107	22108047	PUSH SWITCH MG. IN	S227	22196961	KEY SWITCH DISC 6
S108	22108047	PUSH SWITCH	S228	22196961	KEY SWITCH EJECT
S109	22108047	PUSH SWITCH TRAY	S229	22196961	KEY SWITCH OPEN/CLOSE
S110	22196982	PUSH SWITCH TURBO	△ S901	22196751	PUSH SWITCH POWER
S201	22196961	KEY SWITCH KEY-0	△ T901	22225020	POWER TRANSFORMER (USA,CANADA)
S202	22196961	KEY SWITCH KEY-1	△ T901	22225021	POWER TRANSFORMER (EUROPE)
S203	22196961	KEY SWITCH KEY-2	△ T901	22225022	POWER TRANSFORMER (UK)
S204	22196961	KEY SWITCH KEY-3	Z501	22137788	FILTER, LC-5
S205	22196961	KEY SWITCH KEY-4	Z502	22137788	FILTER, LC-5
S206	22196961	KEY SWITCH KEY-5	Z503	22153390	OSCILLATOR, CRY- STAL,67.738MHZ
S207	22196961	KEY SWITCH KEY-6	CAPACITORS		
S208	22196961	KEY SWITCH KEY-7	C101	20371102	MY, 1000PF, 50V, J
S209	22196961	KEY SWITCH KEY-8	C102	20433101	EL, 100MFD, 6.3V
S210	22196961	KEY SWITCH KEY-9	C103	20371222	MY, 2200PF, 50V, J
S211	22196961	KEY SWITCH KEY-+10	C104	20311330	CD, 33PF, 50V, J
S212	22196961	KEY SWITCH REPEAT	C105	20371333	MY, 0.033MFD, 50V, J

Location No.	Part No.	Description	Location No.	Part No.	Description
C106	20371333	MY, 0.033MFD, 50V, J	C510	20381272	PP, 2700PF, 100V, J
C107	20371103	MY, 0.01MFD, 50V, J	C511	20455100	EL, 10MFD, 16V, NP
C108	20433101	EL, 100MFD, 6.3V	C512	20455100	EL, 10MFD, 16V, NP
C109	20433101	EL, 100MFD, 6.3V	C513	20381102	PP, 1000PF, 100V, J
C110	20433101	EL, 100MFD, 6.3V	C514	20381102	PP, 1000PF, 100V, J
C111	20438478	EL, 0.47MFD, 50V, M	C515	20414221	EL, 220MFD, 10V
C112	20433330	EL, 33MFD, 6.3V	C516	20414221	EL, 220MFD, 10V
C201	204141Q1	EL, 100MFD, 10V	C517	20311120	CD, 12PF, 50V, J
C202	20341223	CD, 0.022MFD, 50V, Z	C518	20311120	CD, 12PF, 50V, J
C203	20321100	CD, 10PF, 50V, J	C519	20343472	CD, 4700PF, 50V, K
C204	20321100	CD, 10PF, 50V, J	C520	20311101	CD, 100PF, 50V, J
C205	20328223	BL, 0.022MFD, 16V, K	C521	20311101	CD, 100PF, 50V, J
C206	20328223	BL, 0.022MFD, 16V, K	C522	20414102	EL, 1000MFD, 10V
C301	20371104	MY, 0.1MFD, 50V, J	C523	20341223	CD, 0.022MFD, 50V, Z
C302	20371473	MY, 0.047MFD, 50V, J	C524	20414102	EL, 1000MFD, 10V
C303	20418339	EL, 3.3MFD, 50V	C525	20341223	CD, 0.022MFD, 50V, Z
C304	20371104	MY, 0.1MFD, 50V, J	C526	20418100	EL, 10MFD, 50V
C305	20418109	EL, 1MFD, 50V	C527	20415331	EL, 330MFD, 16V
C306	20415220	EL, 22MFD, 16V	C528	20319104	BL, 0.1MFD, 25V, M
C307	20414101	EL, 100MFD, 10V	C529	20319104	BL, 0.1MFD, 25V, M
C308	20418109	EL, 1MFD, 50V	C530	20319104	BL, 0.1MFD, 25V, M
C309	20419479	EL, 4.7MFD, 50V	C701	20341223	CD, 0.022MFD, 50V, Z
C310	20371472	MY, 4700PF, 50V, J			MECHA. SECTION
C311	20371102	MY, 1000PF, 50V, J	C702	20341223	CD, 0.022MFD, 50V, Z
C312	20418478	EL, 0.47MFD, 50V			MECHA. SECTION
C313	20371333	MY, 0.033MFD, 50V, J	C703	20341223	CD, 0.022MFD, 50V, Z
C314	20414101	EL, 100MFD, 10V			MECHA. SECTION
C315	20371222	MY, 2200PF, 50V, J	C704	20341223	CD, 0.022MFD, 50V, Z
C316	20414221	EL, 220MFD, 10V			MECHA. SECTION
C317	20414221	EL, 220MFD, 10V	C901	20415472	EL, 4700MFD, 16V
C324	20414101	EL, 100MFD, 10V	C902	20415472	EL, 4700MFD, 16V
C325	20415101	EL, 100MFD, 16V	C903	20341223	CD, 0.022MFD, 50V, Z
C326	20415101	EL, 100MFD, 16V	C904	20341223	CD, 0.022MFD, 50V, Z
C329	20371103	MY, 0.01MFD, 50V, J	C905	20341223	CD, 0.022MFD, 50V, Z
C332	20418229	EL, 2.2MFD, 50V	C906	20341223	CD, 0.022MFD, 50V, Z
C333	20418100	EL, 10MFD, 50V	C907	20414102	EL, 1000MFD, 10V
C334	20341223	CD, 0.022MFD, 50V, Z	C908	20414102	EL, 1000MFD, 10V
C335	20414101	EL, 100MFD, 10V	C909	20415222	EL, 2200MFD, 16V
C340	20371332	MY, 3300PF, 50V, J	C910	20414101	EL, 100MFD, 10V
C342	20319473	BL, 0.047MFD, 25V, M	C911	20414221	EL, 220MFD, 10V
		MAIN P.C.B.	C912	20341223	CD, 0.022MFD, 50V, Z
C342	20414221	EL, 220MFD, 10V	C913	20418470	EL, 47MFD, 50V
		SUPPLY P.C.B.	C914	20418470	EL, 47MFD, 50V
C343	20341223	CD, 0.022MFD, 50V, Z	C915	20418470	EL, 47MFD, 50V
		SUPPLY P.C.B.	C916	20418470	EL, 47MFD, 50V
C343	20343821	CD, 820PF, 50V, J	C917	20414101	EL, 100MFD, 10V
		MAIN P.C.B.	C918	20415221	EL, 220MFD, 16V
C344	20341223	CD, 0.022MFD, 50V, Z	△ C919	22300050	CD, 4700PF, 400V, M
C501	20381182	PP, 1800PF, 100V, J			(UK)
C502	20381182	PP, 1800PF, 100V, J	△ C919	22340232	CD, 4700PF, 400V, M
C503	20381182	PP, 1800PF, 100V, J			(EUROPE)
C504	20381182	PP, 1800PF, 100V, J	△ C919	22340236	CD, 0.01MFD, 125V, M
C507	20381681	PP, 680PF, 100V, J			(USA/CANADA)
C508	20381681	PP, 680PF, 100V, J	C920	20418338	EL, 0.33MFD, 50V
C509	20381272	PP, 2700PF, 100V, J	C921	20341223	CD, 0.022MFD, 50V, Z

Location No.	Part No.	Description	Location No.	Part No.	Description
RESISTORS					
R101	20512220	CF, 22 OHM, 1/6W, J	R329	20512562	CF, 5.6K OHM, 1/6W, J
R102	20512392	CF, 3.9K OHM, 1/6W, J	R333	20512823	CF, 82K OHM, 1/6W, J
R103	20512183	CF, 18K OHM, 1/6W, J	R334	20512472	CF, 4.7K OHM, 1/6W, J
R104	20512103	CF, 10K OHM, 1/6W, J	R338	20512109	CF, 1 OHM, 1/6W, J
R106	20512223	CF, 22K OHM, 1/6W, J	R339	20512104	CF, 100K OHM, 1/6W, J
R107	20512563	CF, 56K OHM, 1/6W, J	R340	20512104	CF, 100K OHM, 1/6W, J
R108	20512123	CF, 12K OHM, 1/6W, J	R341	20512223	CF, 22K OHM, 1/6W, J
R109	20512104	CF, 100K OHM, 1/6W, J	R342	20512109	CF, 1 OHM, 1/6W, J
R110	20512102	CF, 1K OHM, 1/6W, J	R343	20512104	CF, 100K OHM, 1/6W, J
R111	20512102	CF, 1K OHM, 1/6W, J	R344	20512104	CF, 100K OHM, 1/6W, J
R112	22658855	VARIABLE, SEMI FIXED, 20K-B	R345	20512472	CF, 4.7K OHM, 1/6W, J
R113	22658857	VARIABLE, SEMI FIXED, 50K-B	R346	20512681	CF, 680 OHM, 1/6W, J
R114	20512224	CF, 220K OHM, 1/6W, J	R347	20512103	CF, 10K OHM, 1/6W, J
R115	20512104	CF, 100K OHM, 1/6W, J	R348	22570747	OMF, 100K OHM, 1/6W, F
R201	22540684	COMPOSITE PARTS, 1.5K OHMX4	R349	22570747	OMF, 100K OHM, 1/6W, F
R202	22540776	COMPOSITE PARTS	R350	20512102	CF, 1K OHM, 1/6W, J
R203	20512562	CF, 5.6K OHM, 1/6W, J	R351	20512224	CF, 220K OHM, 1/6W, J
R204	20512562	CF, 5.6K OHM, 1/6W, J	R361	20512103	CF, 10K OHM, 1/6W, J
R206	20512102	CF, 1K OHM, 1/6W, J	R362	20512272	CF, 2.7K OHM, 1/6W, J
R207	20512102	CF, 1K OHM, 1/6W, J	R363	20512103	CF, 10K OHM, 1/6W, J
R209	20512181	CF, 180 OHM, 1/6W, J	R364	20512152	CF, 1.5K OHM, 1/6W, J
R210	22657495	VARIABLE, 50K OHM, D	R365	20512562	CF, 5.6K OHM, 1/6W, J
R211	20512102	CF, 1K OHM, 1/6W, J	R366	20512104	CF, 100K OHM, 1/6W, J
R212	20512102	CF, 1K OHM, 1/6W, J	R367	20512104	CF, 100K OHM, 1/6W, J
R213	20512102	CF, 1K OHM, 1/6W, J	R368	20512104	CF, 100K OHM, 1/6W, J
R214	20512102	CF, 1K OHM, 1/6W, J	R369	20512104	CF, 100K OHM, 1/6W, J
R215	20512101	CF, 100 OHM, 1/6W, J	R370	20512472	CF, 4.7K OHM, 1/6W, J
R216	20512101	CF, 100 OHM, 1/6W, J	R371	22540781	COMPOSITE PARTS, 5.6K OHMX6
R301	20512229	CF, 2.2 OHM, 1/6W, J	R372	22540653	COMPOSITE PARTS, 5.6K OHMX9
R302	20512184	CF, 180K OHM, 1/6W, J	R373	20510005	COMPOSITE PARTS, 5.6K OHMX12
R303	20512229	CF, 2.2 OHM, 1/6W, J	R374	20510057	COMPOSITE PARTS, 5.6K OHMX11
R304	20512104	CF, 100K OHM, 1/6W, J	R376	22540781	COMPOSITE PARTS, 5.6K OHMX6
R305	20512823	CF, 82K OHM, 1/6W, J	R377	20512102	CF, 1K OHM, 1/6W, J
R306	20512123	CF, 12K OHM, 1/6W, J	R378	20512102	CF, 1K OHM, 1/6W, J
R307	20512229	CF, 2.2 OHM, 1/6W, J	R379	20512102	CF, 1K OHM, 1/6W, J
R308	20512564	CF, 560K OHM, 1/6W, J	R380	20512102	CF, 1K OHM, 1/6W, J
R309	20512104	CF, 100K OHM, 1/6W, J	R381	20512100	CF, 10 OHM, 1/6W, J
R310	20512103	CF, 10K OHM, 1/6W, J	R382	20515159	CF, 1.5 OHM, 1/2W, J
R311	20512103	CF, 10K OHM, 1/6W, J	R383	20512223	CF, 22K OHM, 1/6W, J
R312	20512223	CF, 22K OHM, 1/6W, J	R384	20512225	CF, 2.2M OHM, 1/6W, J
R313	20512103	CF, 10K OHM, 1/6W, J	R385	20512683	CF, 68K OHM, 1/6W, J
R314	20512124	CF, 120K OHM, 1/6W, J	R386	20512153	CF, 15K OHM, 1/6W, J
R315	20512392	CF, 3.9K OHM, 1/6W, J	R387	20512152	CF, 1.5K OHM, 1/6W, J
R316	22658955	VARIABLE, SEMI FIXED, 2K-B	R501	22658889	VARIABLE, SEMI FIXED, 50K-B
R317	20512104	CF, 100K OHM, 1/6W, J	R502	22658889	VARIABLE, SEMI FIXED, 50K-B
R318	20512105	CF, 1M OHM, 1/6W, J	R503	20512272	CF, 2.7K OHM, 1/6W, J
R319	20512223	CF, 22K OHM, 1/6W, J	R504	20512272	CF, 2.7K OHM, 1/6W, J
R320	20512104	CF, 100K OHM, 1/6W, J	R505	20512272	CF, 2.7K OHM, 1/6W, J
R321	20512223	CF, 22K OHM, 1/6W, J	R506	20512272	CF, 2.7K OHM, 1/6W, J
R324	22658944	VARIABLE, SEMI FIXED, 10K-B	R507	20512822	CF, 8.2K OHM, 1/6W, J
R325	20512562	CF, 5.6K OHM, 1/6W, J	R508	20512822	CF, 8.2K OHM, 1/6W, J
R328	22658945	VARIABLE, SEMI FIXED, 20K-B	R509	20512223	CF, 22K OHM, 1/6W, J

Location No.	Part No.	Description
R510	20512223	CF, 22K OHM, 1/6W, J
R511	20512122	CF, 1.2K OHM, 1/6W, J
R512	20512122	CF, 1.2K OHM, 1/6W, J
R513	20512471	CF, 470 OHM, 1/6W, J
R514	20512471	CF, 470 OHM, 1/6W, J
R515	22555106	CF, 10M OHM, 1/4W, J
R516	22555106	CF, 10M OHM, 1/4W, J
R517	20512104	CF, 100K OHM, 1/6W, J
R518	20512104	CF, 100K OHM, 1/6W, J
R519	20512102	CF, 1K OHM, 1/6W, J
R520	20512102	CF, 1K OHM, 1/6W, J
R521	20512102	CF, 1K OHM, 1/6W, J
R522	20512102	CF, 1K OHM, 1/6W, J
R523	20512123	CF, 12K OHM, 1/6W, J
R524	20512393	CF, 39K OHM, 1/6W, J
R525	20512393	CF, 39K OHM, 1/6W, J
R526	20512102	CF, 1K OHM, 1/6W, J
R527	20512273	CF, 27K OHM, 1/6W, J
R528	20512103	CF, 10K OHM, 1/6W, J
R529	20512104	CF, 100K OHM, 1/6W, J
R530	20512474	CF, 470K OHM, 1/6W, J
△ R531	22500119	FUSIBLE, 47 OHM, 1/4W, J
R532	20512102	CF, 1K OHM, 1/6W, J
R533	20512102	CF, 1K OHM, 1/6W, J
R701	20512273	CF, 27K OHM, 1/6W, J MECHA. SECTION
R702	20512221	CF, 220 OHM, 1/6W, J MECHA. SECTION
R703	20512331	CF, 330 OHM, 1/6W, J MECHA. SECTION
R704	20512221	CF, 220 OHM, 1/6W, J MECHA. SECTION
△ R901	20510058	FUSIBLE, 0.33 OHM, 1/2W, J
△ R902	20532109	FUSIBLE, 1 OHM, 1/2W, J
△ R903	20532109	FUSIBLE, 1 OHM, 1/2W, J
R904	20512471	CF, 470 OHM, 1/6W, J
R905	20512561	CF, 560 OHM, 1/6W, J
R906	20512473	CF, 47K OHM, 1/6W, J
R907	20512392	CF, 3.9K OHM, 1/6W, J
R908	20512473	CF, 47K OHM, 1/6W, J
R909	20512103	CF, 10K OHM, 1/6W, J
R909	20512104	CF, 100K OHM, 1/6W, J
R910	20512103	CF, 10K OHM, 1/6W, J
R911	20512474	CF, 470K OHM, 1/6W, J
R912	20512103	CF, 10K OHM, 1/6W, J
R913	20512224	CF, 220K OHM, 1/6W, J

ACCESSORIES (CD PLAYER)

Location No.	Part No.	Description
AC01	22908599	OWNER'S MANUAL (EUROPE)
AC01	22908600	OWNER'S MANUAL (UK)
AC02	22721633	MAGAZINE ASSY
AC03	22120153	REMOTE CONTROL UNIT, RM-A601
AC04	22882258	COVER, BATTERY, REMOTE CONTROL UNIT
AC05	22197084	JUNCTION CORD

AC01	22908597	OWNER'S MANUAL (USA)
AC01	22908598	OWNER'S MANUAL (CANADA)

