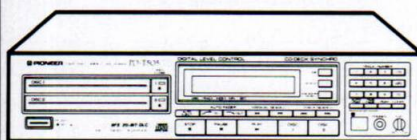


Service Manual



ORDER NO.
ARP1952

TWIN-TRAY COMPACT DISC PLAYER

PD-T505

PD-T505-S

PD-T305

PD-T505, PD-T505-S AND PD-T305 HAVE FOLLOWING VERSIONS :

Type	Applicable model			Power requirement	Export destination
	PD-T505	PD-T505-S	PD-T305		
KC	○	—	○	AC120V only	Canada
HEM	○	—	○	AC220V, 240V (switchable) *	European continent
HEWM	—	○	—	AC220V, 240V (switchable) *	European continent
HB	○	—	○	AC220V, 240V (switchable) *	United Kingdom
HPW	○	—	○	AC220V, 240V (switchable) *	Australia
SD	○	—	○	AC110V, 120V-127V, 220V, 240V (switchable)	Kindgom of Saudi Arabia and general market

*Change the position of jumper of the transformer board assembly.

- This manual is applicable to the PD-T505/KC, HEM, HB, HPW, SD, PD-T505-S/HEWM, PD-T305/KC, HEM, HB, HPW and SD types.
- As to the PD-T505/HEM, HB, HPW, SD, PD-T505-S/HEWM, PD-T305/HEM, HB, HPW and SD types, refer to pages 30-48.
- The PD-T505-S is the same as the PD-T505 except for color.
- As for adjusting method, refer to two-CD model (PD-T505) in ADJUSTMENT FOR CD PLAYER VOL.1 (ORDER NO. ARP2000).

CONTENTS

1. SAFETY INFORMATION.....	3	8. FOR PD-T505/HBM, HB, HPW, SD, PD-T505-S/HEWM, PD-T305/HBM, HB, HPW AND SD TYPES.....	30
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1. SAFETY INFORMATION

(FOR EUROPEAN MODEL ONLY)

VARO!

AVATTAESSA JA SUOJALUKITUS
OHITETTAESSA OLET ALTTIINA
NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.
ÄLÄ KATSO SÄTEESEEN.

ADVERSEL:

USYNLIG LASERSTRÅLING VED ÅBNING
NÅR SIKKERHEDSAFBRYDERE ER UDE AF
FUNKTION UNDGA UDSÆTTELSE FOR
STRÅLING.

VARNING!

OSYNLIG LASERSTRÅLNING NÅR DENNA
DEL ÄR ÖPPNAD OCH SPÄRREN
ÄR URKOPPLAD. BETRakta EJ STRÅLEN.



LASER

Kuva 1

Lasersäteilyn
varoituserkki

WARNING!

DEVICE INCLUDES LASER DIODE WHICH
EMITS INVISIBLE INFRARED RADIATION
WHICH IS DANGEROUS TO EYES. THERE IS
A WARNING SIGN ACCORDING TO PICTURE
1 INSIDE THE DEVICE CLOSE TO THE LASER
DIODE.



LASER

Picture 1

Warning sign for
laser radiation

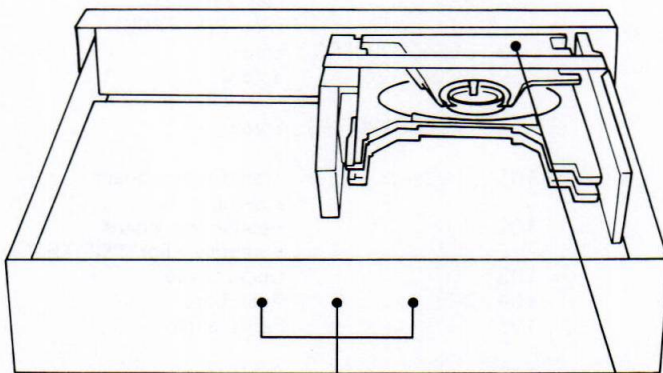
IMPORTANT

THIS PIONEER APPARATUS CONTAINS
LASER OF HIGHER CLASS THAN 1.
SERVICING OPERATION OF THE APPARATUS
SHOULD BE DONE BY A SPECIALLY
INSTRUCTED PERSON.

LASER DIODE CHARACTERISTICS

MAXIMUM OUTPUT POWER: 5 mw
WAVELENGTH: 780-785 nm

LABEL CHECK (TWIN type)



HEM and HB types

Additional Laser Caution

1. Laser Interlock Mechanism

The ON/OFF status of the U (S601) and L (S603) switches for detecting the disc clamp state is detected by the system microprocessor, and the design prevents laser diode oscillation when both switches U and L are OFF (high level).

Thus, the interlock will no longer function if switches U (S601) and L (S603) are deliberately shorted.

Laser diode oscillation will continue if pins 2 and 3 of CXA1471S (IC101) are connected to ground or pin 20 is connected to high level (ON) or the terminals of Q101 are shorted to each other (fault condition).

2. When the cover is opened, close viewing of the objective lens with the naked eye will cause exposure to a Class 1 or higher laser beam.

CAUTION

INVISIBLE LASER
RADIATION WHEN OPEN,
AVOID EXPOSURE
TO BEAM

PRW1018

HB type

ADVARSEL

USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHED SAF-
BRYDERE ER UDE AF FUNKTION.
UNDGA UDSÆTTELSE FOR STRÅLING.

VORSICHT!

UNSICHTBARE LASER-STRÄHLUNG TRITZ AUS, WENN DECKEL
(ODER KLASPE) GEÖFFNET IST! NICHT DEM STRAHL AUSSETZEN!

VRW1094

HEM type

CLASS 1
LASER PRODUCT

VRW-328

HEM and HB types

2. EXPLODED VIEWS AND PARTS LIST

NOTES :

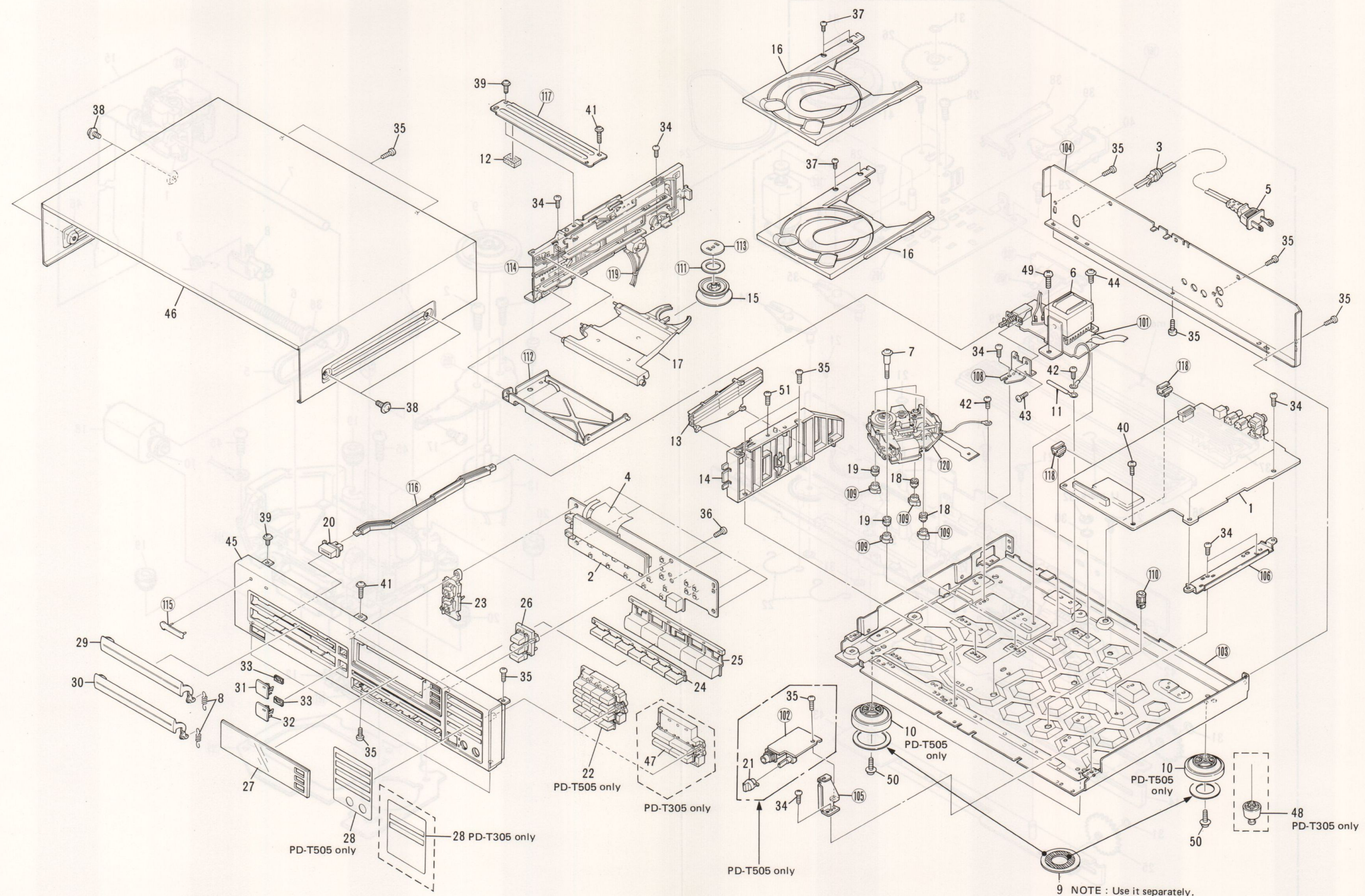
- Parts without part number cannot be supplied.
- The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Parts marked by "⊙" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

Parts List of Exterior (PD-T505/KC, PD-T305/KC)

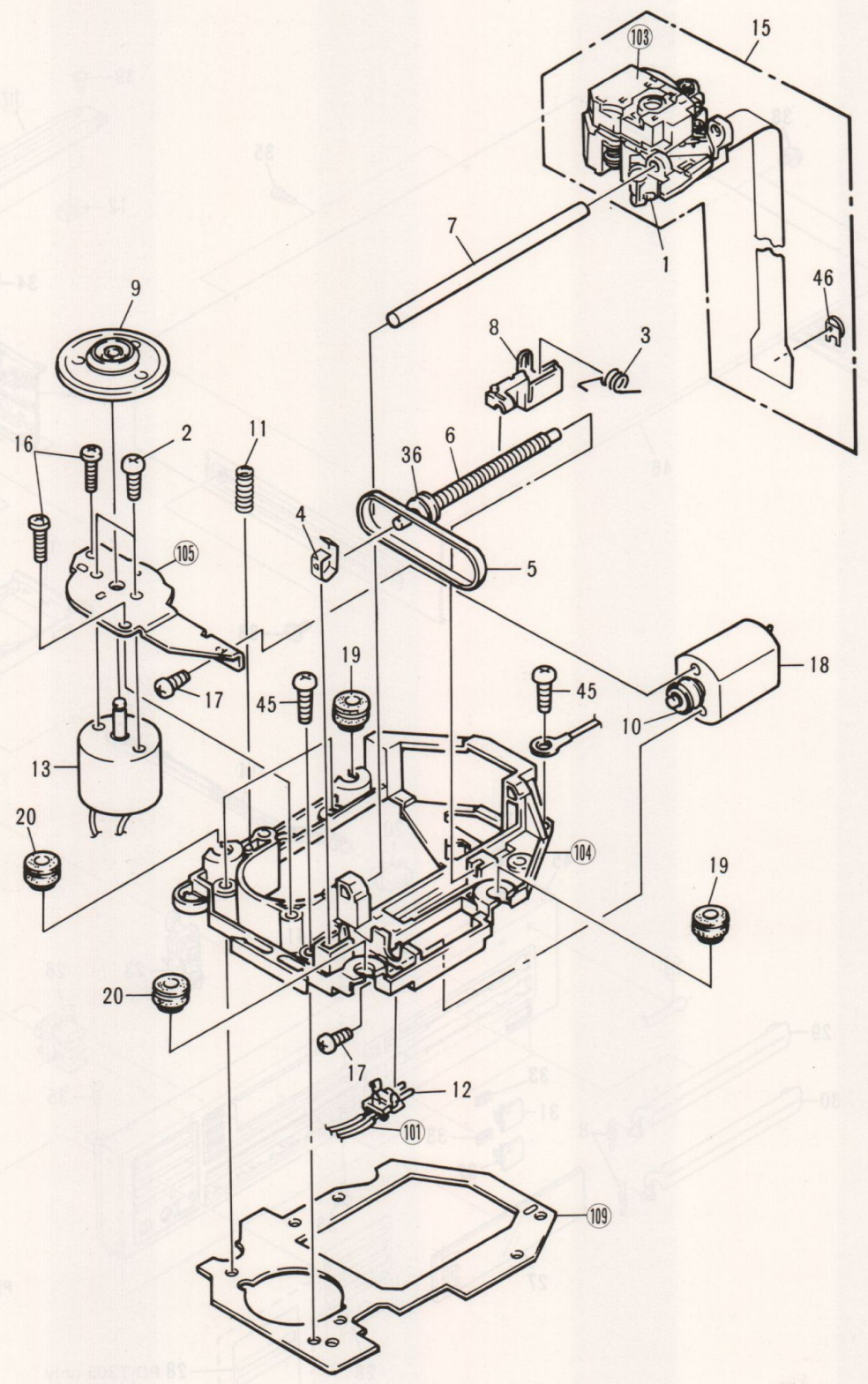
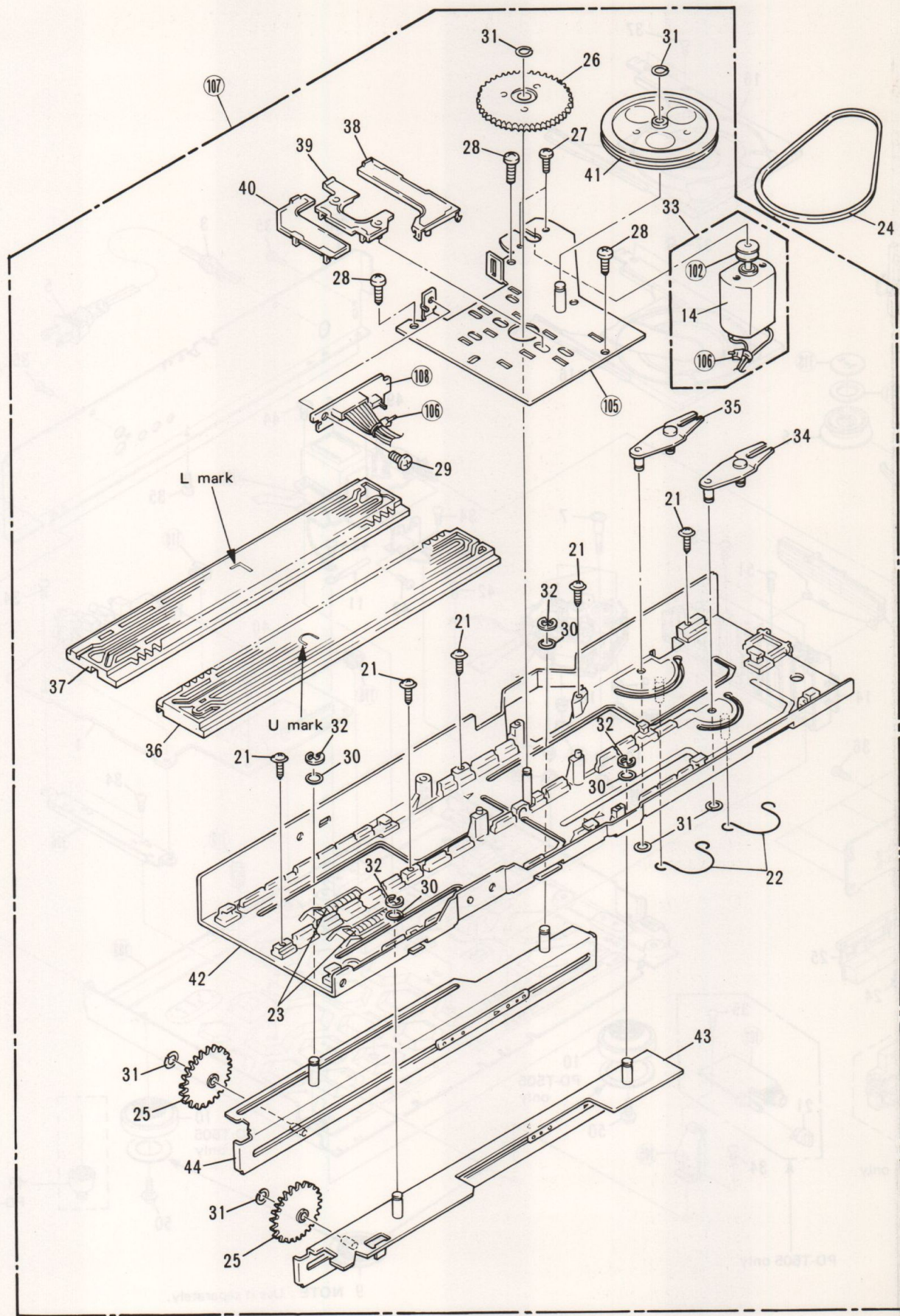
Mark	No.	Part No.	Description	Mark	No.	Part No.	Description
⊙	1	PWZ1897	Main board assembly (For PD-T505)	36	BBZ30P120FMC	Screw	
⊙		PWZ1891	Main board assembly (For PD-T305)	37	BMZ20P040FZK	Screw	
⊙	2	PWZ1908	Control board assembly (For PD-T505)	38	FBT40P080FZK	Screw	
⊙		PWZ1906	Control board assembly (For PD-T305)	39	IBZ30P050FZK	Screw	
⚠	3	CM-22C	Strain relief	40	IBZ30P150FCU	Screw	
⚠	4	PDD1050	36P F.F.C/30V (For PD-T505)	41	IPZ30P080FMC	Screw	
		PDD1051	34P F.F.C/30V (For PD-T305)	42	PDZ30P050FMC	Screw	
⚠	5	PDG1002	AC power cord	43	PMZ30P060FCU	Screw	
⚠	6	PTT1147	Power transformer	44	PSA40P080FZB	Screw	
	7	PBA1011	Screw	45	PEA1049	Control panel assembly (For PD-T505)	
	8	PBH1090	Door spring		PEA1047	Control panel assembly (For PD-T305)	
	9	PNM1070	Stopper (For PD-T505)	46	PYY1131	Bonnet	
	10	PNW1263	Insulator (For PD-T505)	47	PAC1452	Program button (For PD-T305)	
	11	RNH-184	Cord clasper	48	PXA1201	Leg assembly (For PD-T305)	
	12	PNM1011	Cushion rubber	49	BBZ40P080FCC	Screw	
	13	PNW1476	Guide	50	IBZ30P120FCC	Screw	
⊙	14	PNW1477	Guide base	51	BPZ30P120FMC	Screw	
	15	PNW1612	Clasper	101		Transformer board assembly	
	16	PNW1722	Tray	102		Headphone board assembly (For PD-T505)	
	17	PNW1723	Clasper holder	103		Under base	
	18	PEB1014	Floating rubber	104		Rear base	
	19	PEB1132	Floating rubber	105		Panel angle	
	20	PAC1058	Power button	106		P.C.B. angle	
	21	PAC1370	Headphone knob (For PD-T505)	107		Panel angle	
	22	PAC1440	Select button (For PD-T505)	108		Switch angle	
	23	PAC1448	O/C button	109		Mechanism support	
	24	PAC1449	Track button	110		P.C.B. spacer	
	25	PAC1450	Play button	111		Magnet	
	26	PAC1451	Time button	112		Synchronous lever	
	27	PAM1369	Display window (A)	113		Yoke	
	28	PAM1383	Headphone name plate (For PD-T505)	114		Loading base assembly	
		PAM1368	Headphone name plate (For PD-T305)	115		Name plate	
	29	PNW1683	Door 1	116		Power switch joint	
	30	PNW1684	Door 2	117		Joint plate	
	31	PNW1685	O/C cap 1	118		Holder	
	32	PNW1686	O/C cap 2	119		Binder	
	33	PNW1688	Lens	120		Servo mechanism assembly	
	34	BBZ30P060FMC	Screw				
	35	BBZ30P080FCC	Screw				

2.1 EXTERIOR

2.2 MECHANISM SECTION



2.2 MECHANISM SECTION



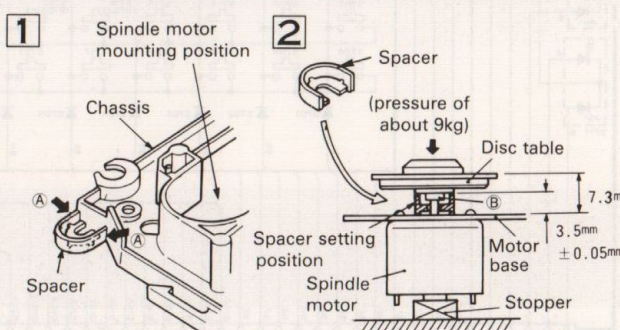
Parts List of Mechanism Section

Mark	No.	Part No.	Description	Mark	No.	Part No.	Description
	1	CKSYF105Z16	Chip capacitor	101			Connector assembly (6P)
	2	JFZ20P025FMC	Screw	102			Motor pulley
	3	PBH1084	Drive spring	103			Actuator cover
	4	PBK1057	Plate spring	104			Mechanism chassis
	5	PEB1072	Belt	105			Motor base
	6	PLA1003	Drive screw	106			Binder
	7	PLA1071	Guide bar	107			Loading base assembly
	8	PNW1605	Half nut	108			SW board assembly
	9	PNW1608	Disc table	109			Mechanism base
	10	PNW1634	Pulley				
	11	PBH1009	Earth spring				
	12	PSH1003	S Slide switch				
	13	PEA1028	Spindle motor assembly (with oil)				
	14	PXM1002	Motor (LOADING)				
	15	PEA1030	Pick-up assembly				
	16	BPZ20P080FZK	Screw				
	17	PMZ20P030FMC	Screw				
	18	PXM1012	Motor (CARRIAGE)				
	19	PEB1014	Floating rubber				
	20	PEB1132	Floating rubber				
	21	PBA1035	Screw				
	22	PBH1074	Spring				
	23	PBH1076	Spring				
	24	PEB1106	Belt				
	25	PNW1478	Sync gear				
	26	PNW1486	Gear				
	27	PMZ20P030FMC	Screw				
	28	PPZ26P080FMC	Screw				
	29	PSZ26P050FMC	Screw				
	30	WA32L060C035	Washer				
	31	WT26D047D025	Washer				
	32	Z39-010	E ring				
	33	PYY1089	Motor assembly (LOADING)				
	34	PNB1180	Auxiliary arm (U)				
	35	PNB1181	Auxiliary arm (L)				
	36	PNW1481	Rack (U)				
	37	PNW1482	Rack (L)				
	38	PNW1483	Switch lever (U)				
	39	PNW1484	Switch lever (S)				
	40	PNW1485	Switch lever (L)				
	41	PNW1487	Gear pulley				
	42	PNW1488	Loading base				
	43	PXT1025	Slide angle (U) unit				
	44	PXT1026	Slide angle (L) unit				
	45	PBZ30P080FMC	Screw				
	46	PCP1008	Semi-fixed resistor				

• How to install the disc table

① Use nippers or other tool to cut the two sections marked ㉑ in figure ①. Then remove the spacer.

② While supporting the spindle motor shaft with the stopper, put spacer on top of the motor base (angled so it doesn't touch section ㉑), and stick the disc table on top (takes about 9kg pressure). Take off the spacer.

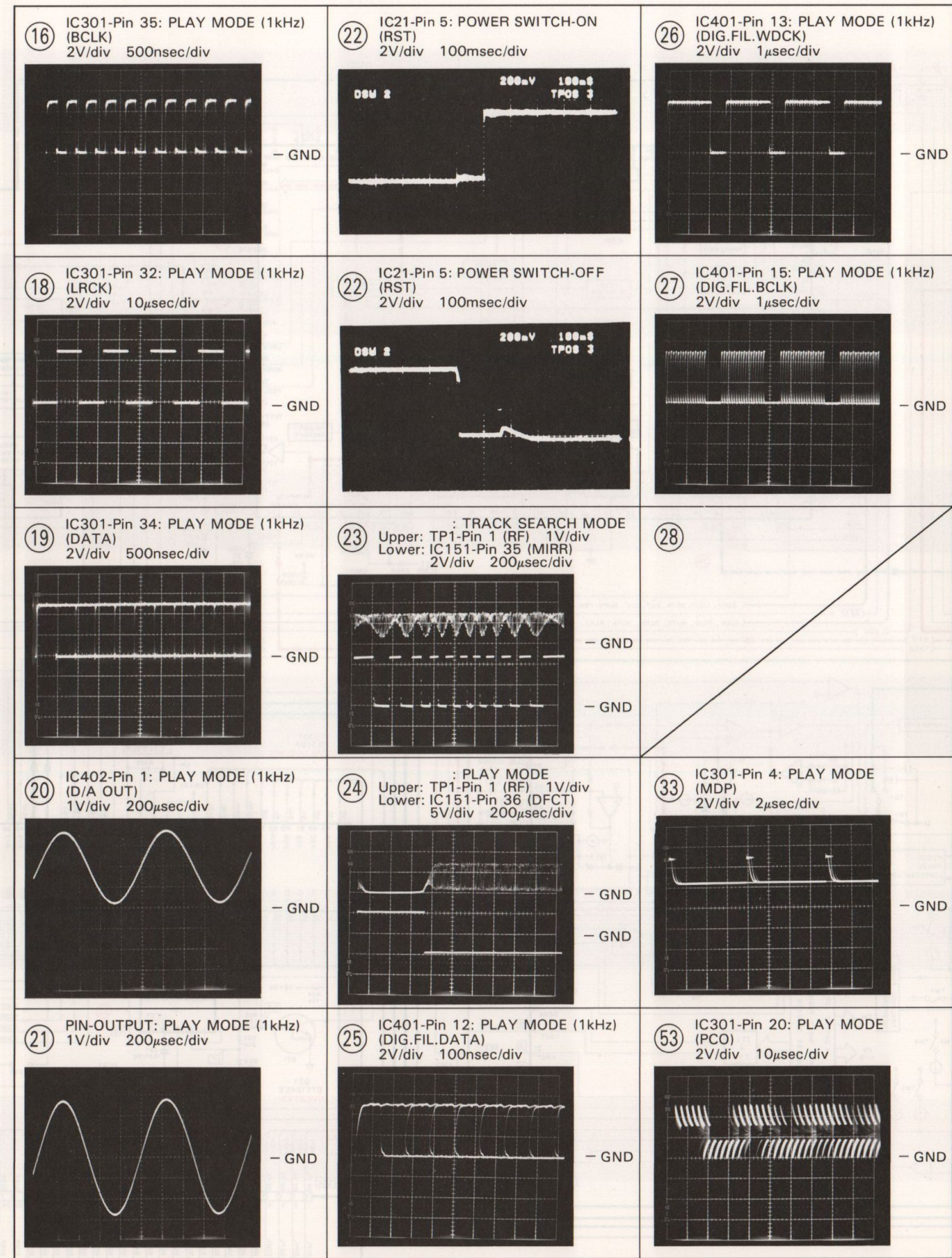
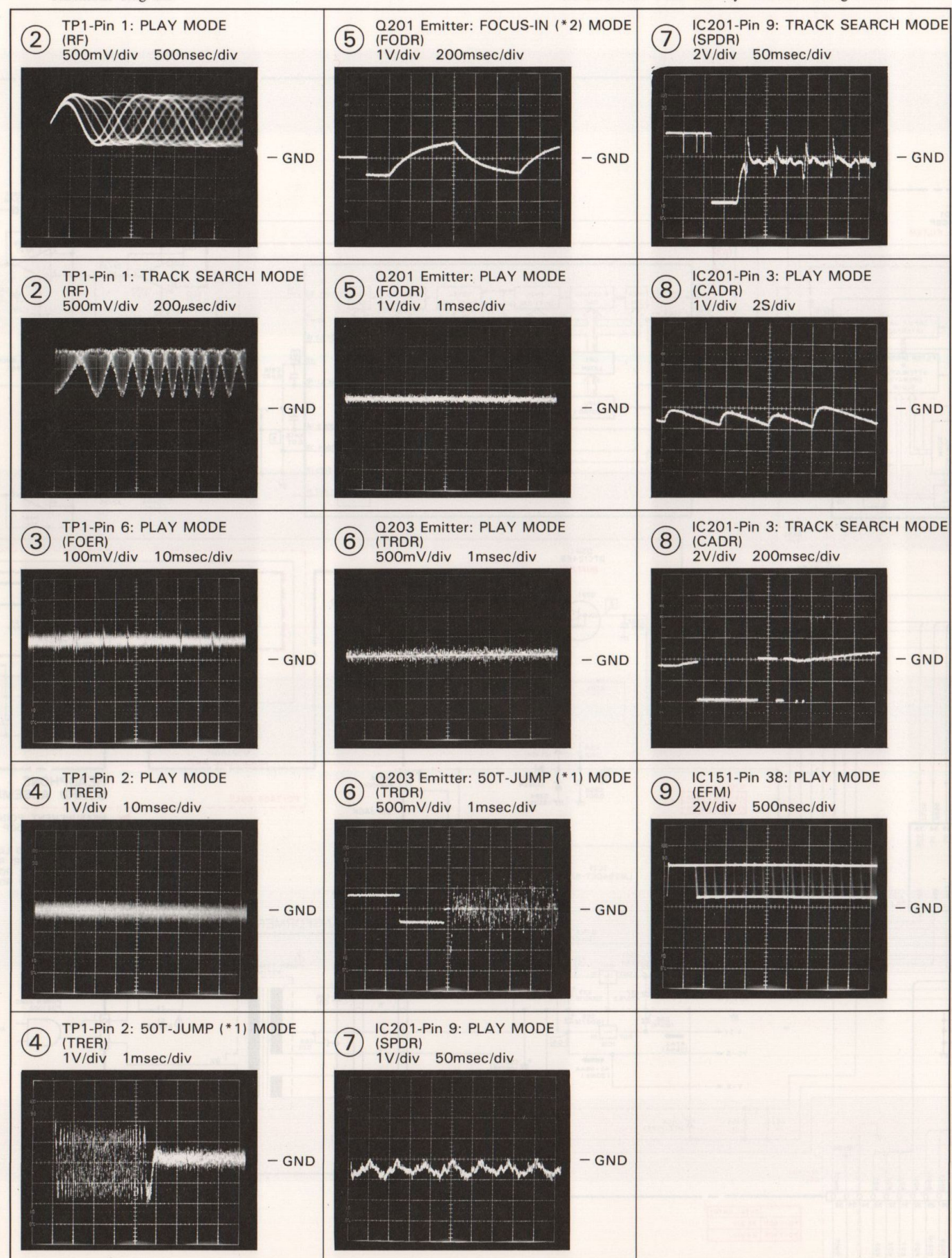


Wave Forms

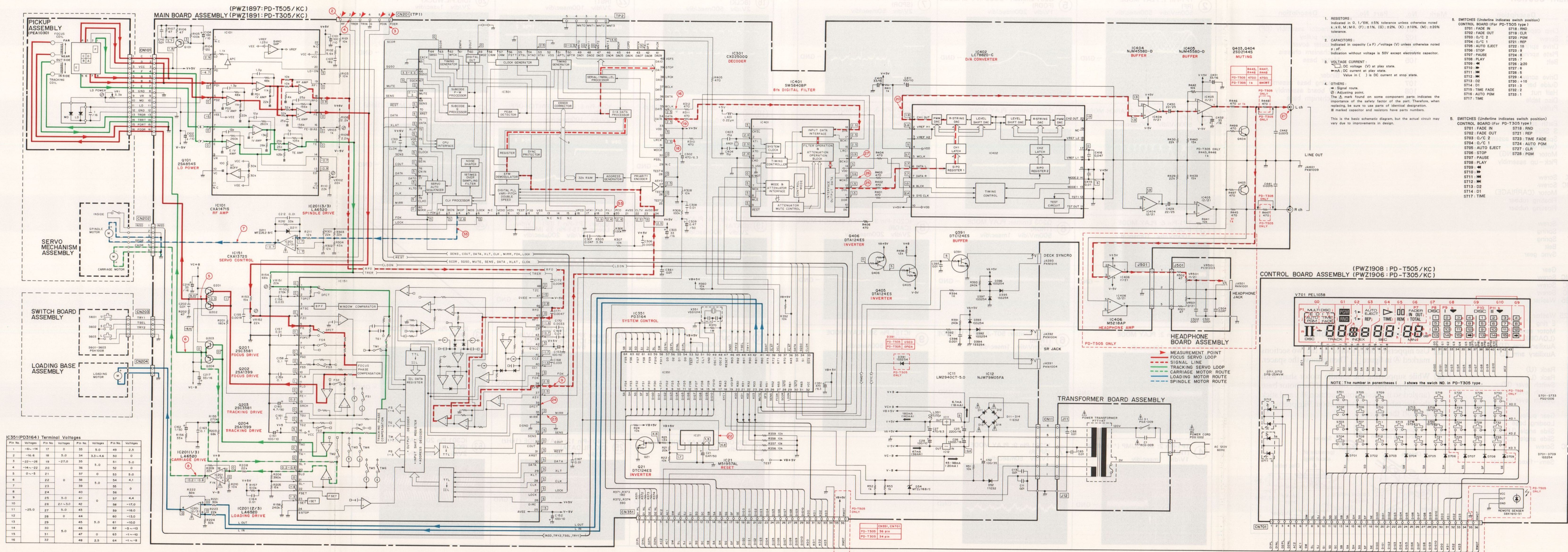
Note: The encircled numbers denote measuring points in the schematic diagram.

*1 50T-JUMP: After switching to the pause mode, press the manual search key.

*2 FOCUS-IN: Press the key without loading a disc.

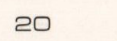


(FOR PD-T505/KC AND PD-T305/KC TYPES)



- View from component side

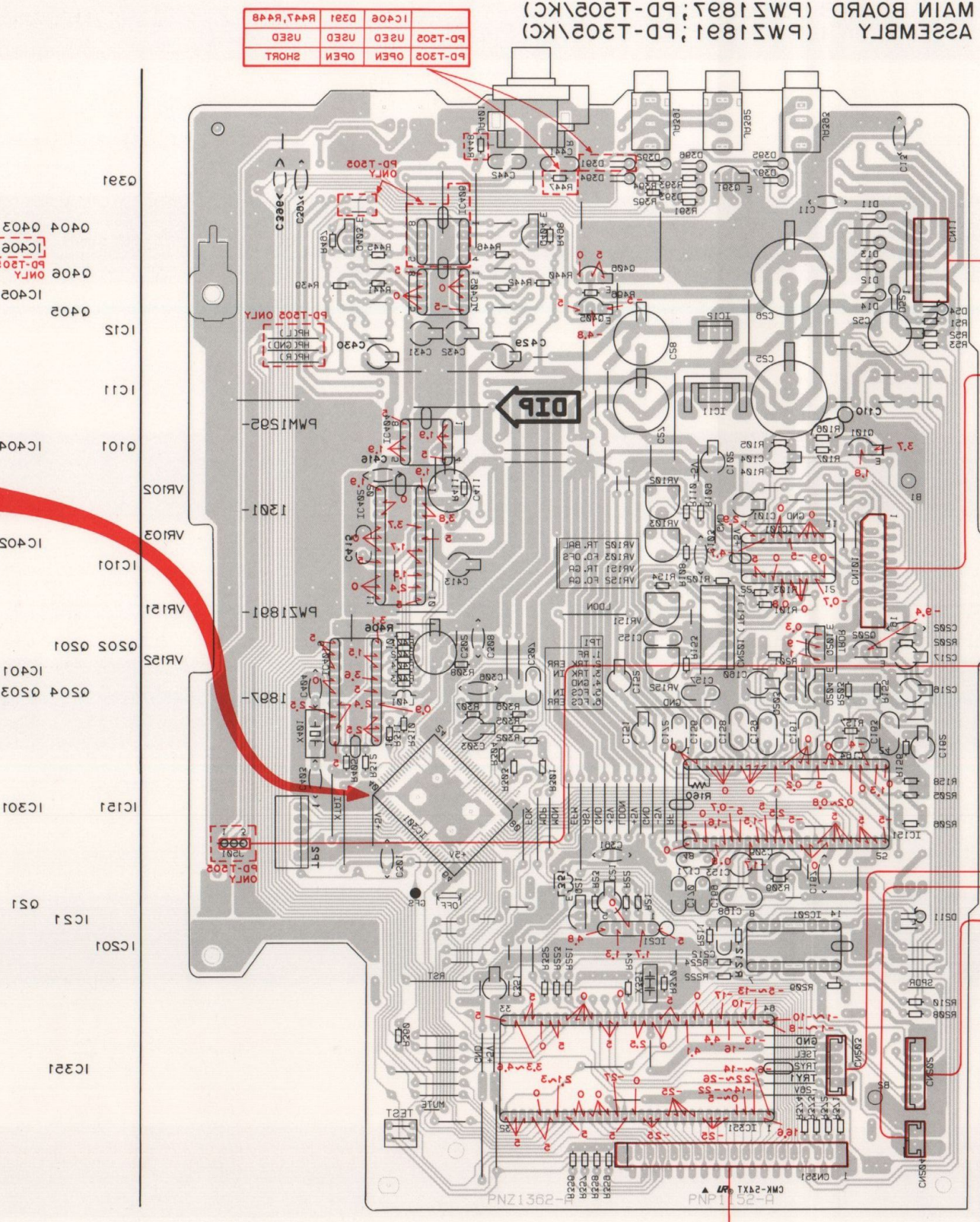
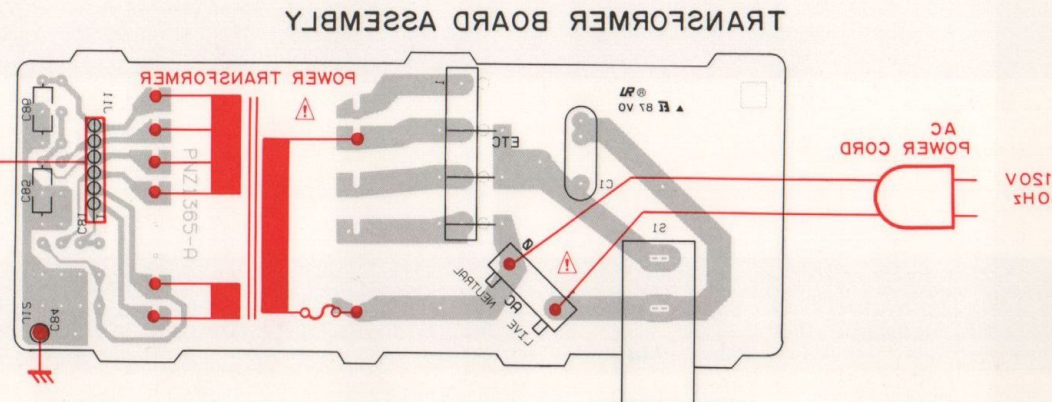
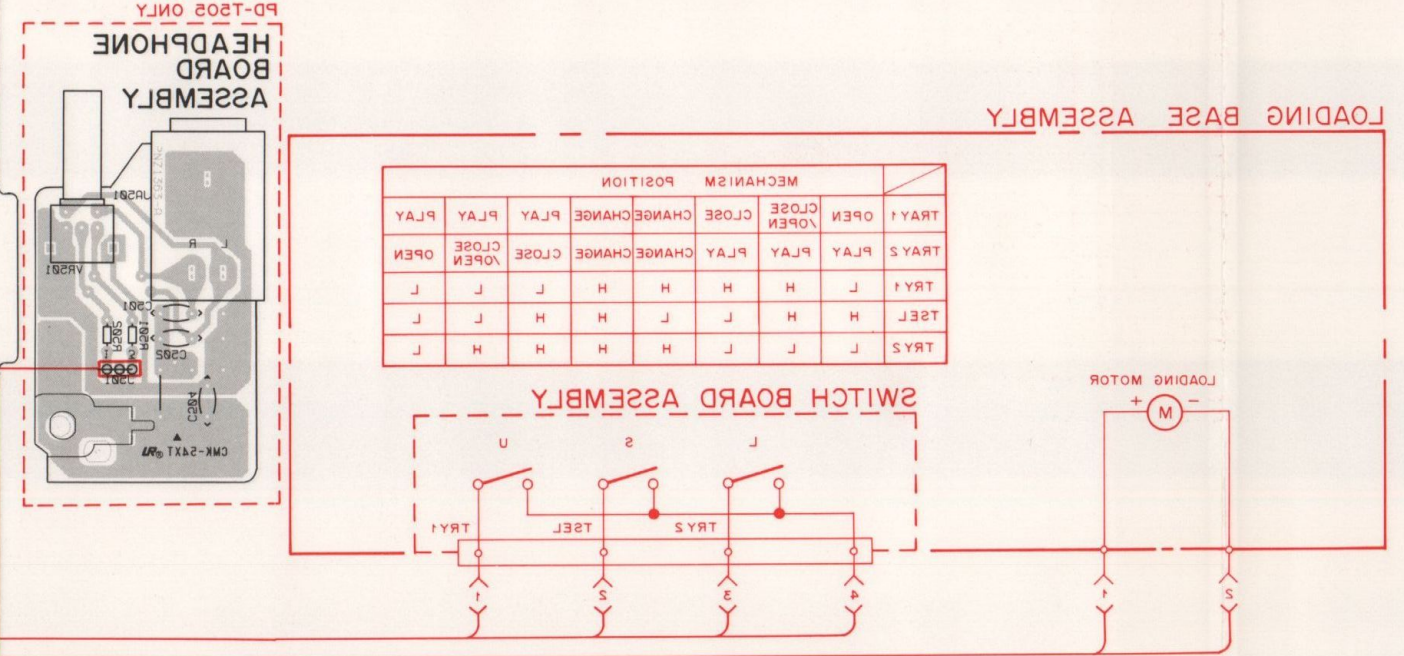
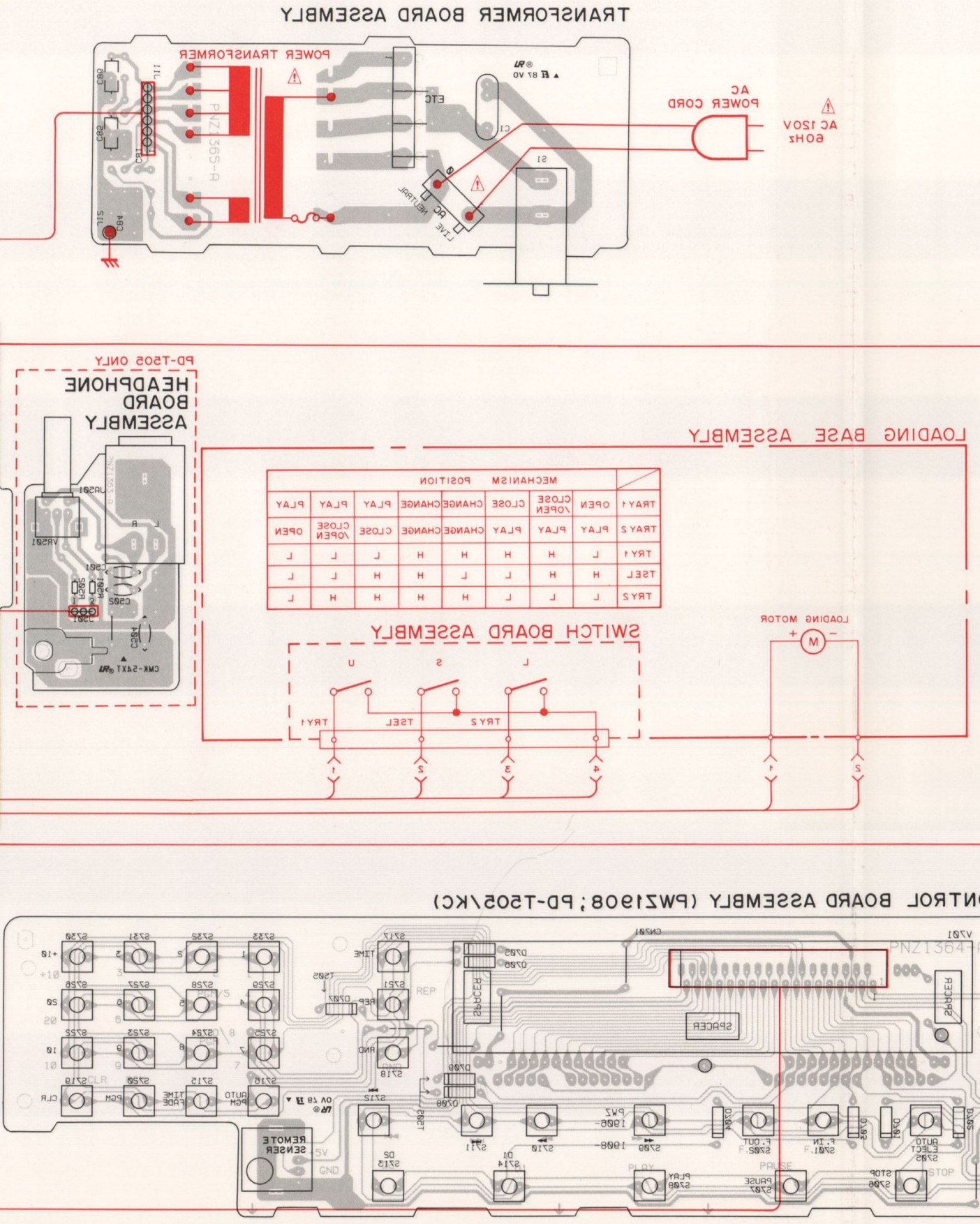
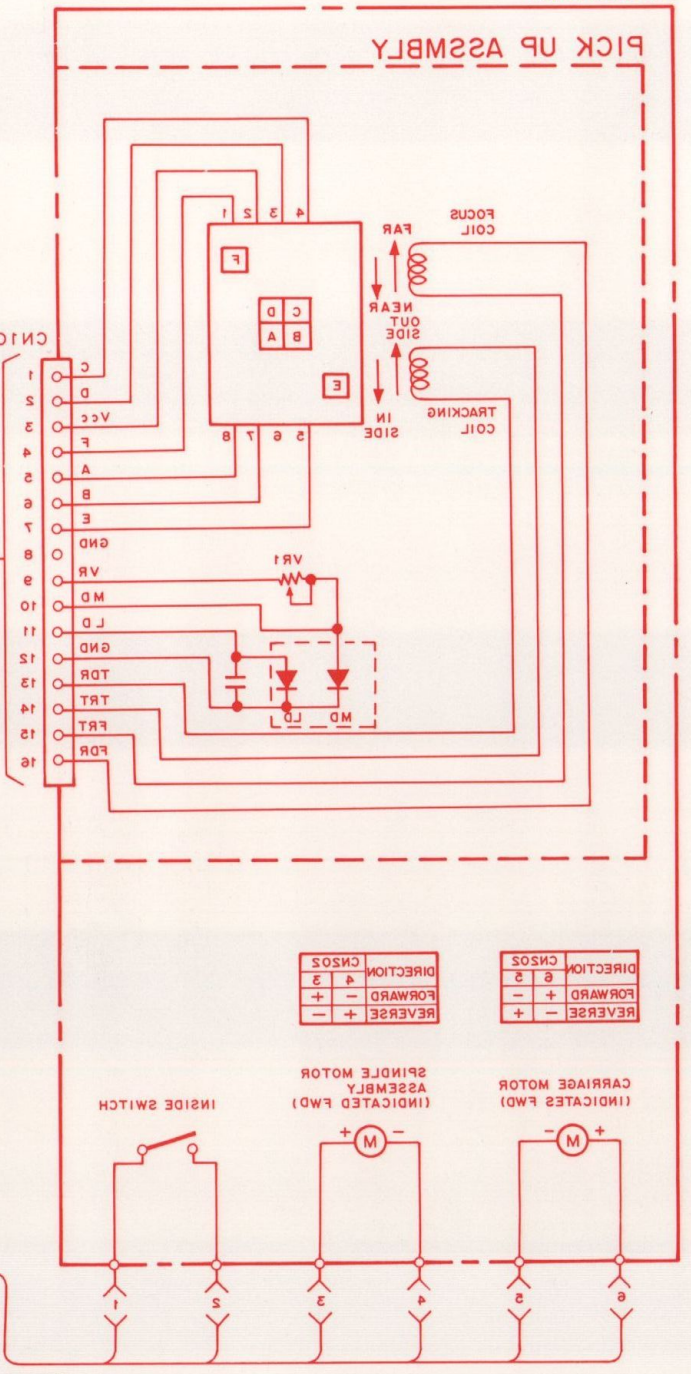
SERVO MECHANISM ASSEMBLY



4. P.C. BOARDS CONNECTION DIAGRAM

(FOR PD-T505\KC AND PD-T305\KC TYPES)

• View from soldering side



MAIN BOARD (PW21891; PD-T305\KC)
ASSEMBLY

PD-T305 OPEN USED
PD-T305 OPEN USED
PD-T305 OPEN USED

IC201

IC202

IC203

IC204

IC205

IC206

IC207

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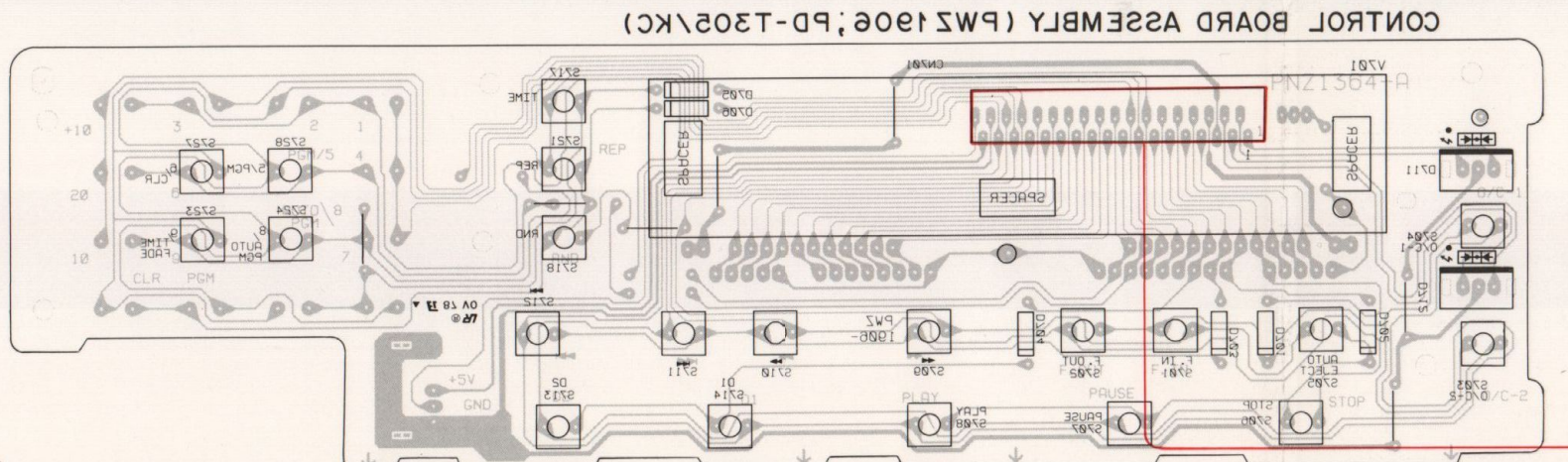
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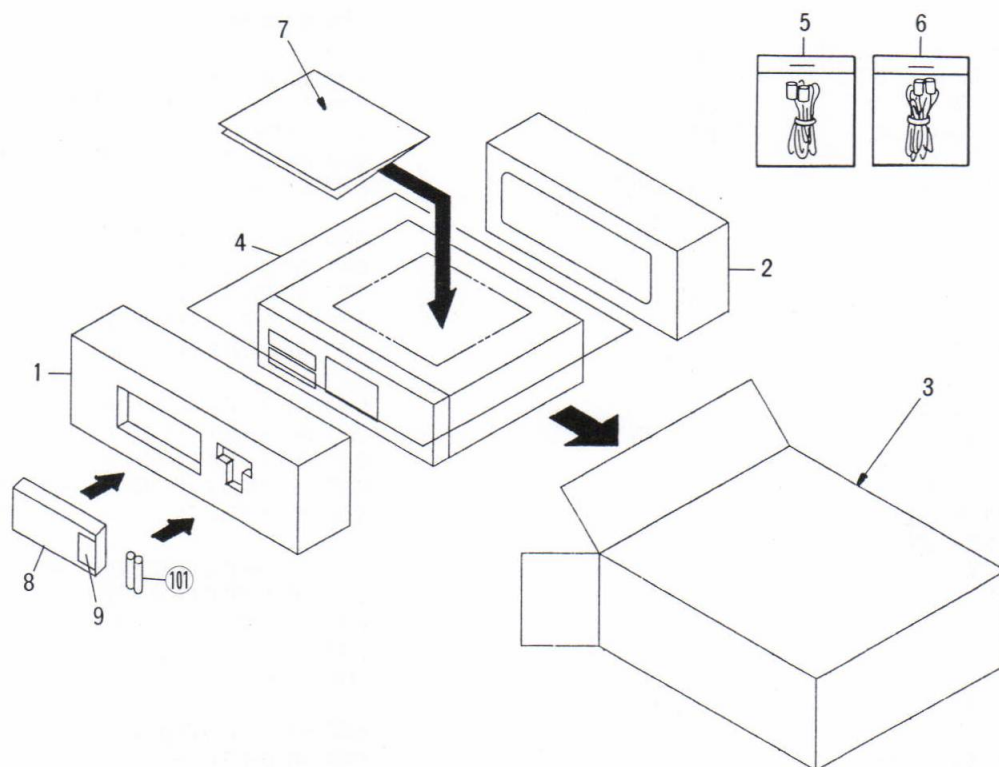
IC500



5. PACKING

Parts List (PD-T505/KC, PD-T305/KC)

Mark	No.	Part No.	Description
	1	PHA1124	Protector (F)
	2	PHA1125	Protector (R)
	3	PHG1439	Packing case (For PD-T505)
		PHG1425	Packing case (For PD-T305)
	4	Z23-007	Sheet
	5	PDE-319	Connection cord (Mini)
	6	PDE1001	Connection cord
	7	PRB1120	Operating instructions (English)
	8	PWW1048	Remote control unit (For PD-T505)
	9	VNL-634	Case (C) (For PD-T505)
101			Battery (For PD-T505)



6. P.C.B's PARTS LIST

NOTES:

- Parts without part number cannot be supplied.
- Parts marked by "⊙" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%)

560 Ω → 56 × 10¹ → 561 RD1/4PS 561J

47k Ω → 47 × 10³ → 473 RD1/4PS 473J

0.5 Ω → 0R5 RN2H 0R5K

1 Ω → 010 RS1P 010K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62k Ω → 562 × 10¹ → 5621 RN1/4SR 5621F

Mark	No.	Symbol & Description	Part No.
⊙	MAIN BOARD ASSEMBLY(PWZ1897) (For PD-T505/KC)		

SEMICONDUCTORS

⚠	IC11 IC	LM2940CT-5.0
⚠	IC12 REGULATOR IC	NJM79M05FA
	IC21 SYSTEM RESET IC	M51957AL
	IC101 PRE AMP IC	CXA1471S
	IC151 SERVO IC	CXA1372S
⚠	IC201 POWER OP-AMP	LA6520
	IC301 EFM DEMODULATION IC	CXD2500Q
	IC351 MICROCOMPUTER, IC	PD3164
	IC401 DIGITAL FILTER, IC	SM5840BP
	IC402 D/A CONVERTER, IC	LC78820-C
	IC404, 405 OP-AMP IC	NJM4558D-D
	IC406	M5218AP
	Q21 TRANSISTOR	DTC124ES
	Q101 TRANSISTOR	2SA854S
	Q201 TRANSISTOR	2SC3581
	Q202 TRANSISTOR	2SA1399
	Q203 TRANSISTOR	2SC3581
	Q204 TRANSISTOR	2SA1399
	Q391 TRANSISTOR	DTC124ES
	Q403, 404 TRANSISTOR	2SD2144S
	Q405 TRANSISTOR	DTC124ES
	Q406 TRANSISTOR	DTA124ES
⚠	D11-14 DIODE	11ES2
⚠	D52 DIODE	11ES2
	D54 ZENNER DIODE	MTZJ16B
	D211 ZENNER DIODE	MTZJ6. 2B
	D391-397 DIODE	1SS254

COILS/TRANSFORMERS

L351, 401	LAUR22K
-----------	---------

CAPACITORS

C11 CERAMIC CAPACITOR	CKCYF103Z50
C13 CERAMIC CAPACITOR	CKCYF103Z50
C21 ELECTR. CAPACITOR	CEASR47M50
C25 ELECTR. CAPACITOR	CEAS222M16
C26 ELECTR. CAPACITOR	CEAS102M16

Mark	No.	Symbol & Description	Part No.
------	-----	----------------------	----------

C27 ELECTROLYTIC CAPACIT	CEAS471M6R3
C28 ELECTR. CAPACITOR	CEAS101M10
C52 ELECTR. CAPACITOR	CEAS101M35
C101, 102 ELECTR. CAPACITOR	CEAS101M10
C103 CERAMIC CAPACITOR	CCCCH180J50

C104 ELECTR. CAPACITOR	CEAS101M10
C110 CERAMIC CAPACITOR	CKDYF103Z50
C151-153 ELECTR. CAPACITOR	CEAS101M10
C155 MYLOR FILM CAPACITOR	CQMA182J50
C156 MYLOR FILM CAPACITOR	CQMA333K50

C157 MYLOR FILM CAPACITOR	CQMA103K50
C158, 159 MYLOR FILM CAPACITOR	CQMA104K50
C160 ELECTR. CAPACITOR	CEAS4R7M50
C161 MYLOR FILM CAPACITOR	CQMA104K50
C162 ELECTR. CAPACITOR	CEAS010M50

C163 MYLOR FILM CAPACITOR	CQMA104K50
C164 MYLOR FILM CAPACITOR	CQMA103K50
C167 CERAMIC CAPACITOR	CKCYF103Z50
C168 MYLOR FILM CAPACITOR	CQMA333K50
C169 MYLOR FILM CAPACITOR	CQMA103K50

C170 MYLOR FILM CAPACITOR	CQMA332J50
C171 MYLOR FILM CAPACITOR	CQMA472J50
C172 MYLOR FILM CAPACITOR	CQMA472K50
C202 CERAMIC CAPACITOR	CKCYF103Z50
C212 MYLOR FILM CAPACITOR	CQMA103K50

C216, 217 ELECTR. CAPACITOR	CEAS330M16
C301 MYLOR FILM CAPACITOR	CQMA104K50
C302 ELECTROLYTIC CAPACIT	CEAS471M6R3
C303 ELECTR. CAPACITOR	CEAS330M16
C306 CERAMIC CAPACITOR	CKCYB152K50

C307 MYLOR FILM CAPACITOR	CQMA473J50
C308 MYLOR FILM CAPACITOR	CQMA103K50
C309 ELECTR. CAPACITOR	CEASR47M50
C351 ELECTROLYTIC CAPACIT	CEAS471M6R3
C361 CERAMIC CAPACITOR	CKCYF103Z50

C397 CERAMIC CAPACITOR	CKCYF103Z50
C396 CERAMIC CAPACITOR	CKCYB102K50
C403, 404 CERAMIC CAPACITOR	CCCCH150J50
C411 ELECTR. CAPACITOR	CEAS101M10

Mark	No.	Symbol & Description	Part No.
	C413	ELECTR. CAPACITOR	CEAS330M16
	C415	CERAMIC CAPACITOR	CKCYF103Z50
	C416	CERAMIC CAPACITOR	CKCYF473Z50
	C429, 430	ELECTR. CAPACITOR	CEAS220M25
	C431, 432	ELECTR. CAPACITOR	CEAS330M16

C441, 442	MYLOR FILM CAPACITOR	CQMA152J50
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RESISTORS

R21-24	CARBONFILM RESISTOR	RD1/6PM□□□J
R51-53	CARBONFILM RESISTOR	RD1/6PM□□□J
R101-110	CARBONFILM RESISTOR	RD1/6PM□□□J
R153-158	CARBONFILM RESISTOR	RD1/6PM□□□J
R160	CARBONFILM RESISTOR	RD1/6PM□□□J

R201-203	CARBONFILM RESISTOR	RD1/6PM□□□J
R205, 206	CARBONFILM RESISTOR	RD1/6PM□□□J
R208-212	CARBONFILM RESISTOR	RD1/6PM□□□J
R221-224	CARBONFILM RESISTOR	RD1/6PM□□□J
R301-312	CARBONFILM RESISTOR	RD1/6PM□□□J

R352	CARBONFILM RESISTOR	RD1/6PM□□□J
R356-360	CARBONFILM RESISTOR	RD1/6PM□□□J
R370-374	CARBONFILM RESISTOR	RD1/6PM□□□J
R391-394	CARBONFILM RESISTOR	RD1/6PM□□□J
R401-406	CARBONFILM RESISTOR	RD1/6PM□□□J

R411	CARBONFILM RESISTOR	RD1/6PM□□□J
R429, 430	CARBONFILM RESISTOR	RD1/6PM□□□J
R439-442	CARBONFILM RESISTOR	RD1/6PM□□□J
R445-448	CARBONFILM RESISTOR	RD1/6PM□□□J

R496-498	CARBONFILM RESISTOR	RD1/6PM□□□J
VR102	VR	VRTB6VS223
VR103	VR	VRTB6VS102
VR151, 152	VR	VRTB6VS223

OTHERS

CN11	JUMPER CONNECTOR	KPC6
CN101	CONNECTOR	52045-1610
CN351	CONNECTOR	HLEM36S-1
JA391, 392	REMOTE CONTROL JACK/12V	PKN1004
JA393	MINI-JACK	RKN1014

JA401	2P PIN JACK	PKB1009
X351	CERAMIC RESONATOR	VSS1014
X401	XTAL RES (OSC)	PSS1006

◎ **MAIN BOARD ASSEMBLY(PWZ1891)**
(For PD-T305/KC)

SEMICONDUCTORS

⚠	IC11	IC	LM2940CT-5.0
⚠	IC12	REGULATOR IC	NJM79M05FA
	IC21	SYSTEM RESET IC	M51957AL
	IC101	PRE AMP IC	CXA1471S
	IC151	SERVO IC	CXA1372S

⚠	IC201	POWER OP-AMP	LA6520
	IC301	EFM DEMODULATION IC	CXD2500Q
	IC351	MICROCOMPUTER, IC	PD3164
	IC401	DIGITAL FILTER, IC	SM5840BP
	IC402	D/A CONVERTER, IC	LC78820-C

IC404, 405	OP-AMP IC	NJM4558D-D
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Mark	No.	Symbol & Description	Part No.
	Q21	TRANSISTOR	DTC124ES
	Q101	TRANSISTOR	2SA854S
	Q201	TRANSISTOR	2SC3581
	Q202	TRANSISTOR	2SA1399

Q203	TRANSISTOR	2SC3581
Q204	TRANSISTOR	2SA1399
Q391	TRANSISTOR	DTC124ES
Q403, 404	TRANSISTOR	2SD2144S
Q405	TRANSISTOR	DTC124ES

Q406 TRANSISTOR	DTA124ES
D11-14 DIODE	11ES2
D52 DIODE	11ES2
D54 ZENNER DIODE	MTZJ16B
D211 ZENNER DIODE	MTZJ6. 2B

D392-397	DIODE	1SS254
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COILS/TRANSFORMERS

L351, 401	LAUR22K
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CAPACITORS

C11	CERAMIC CAPACITOR	CKCYF103Z50
C13	CERAMIC CAPACITOR	CKCYF103Z50
C21	ELECTR. CAPACITOR	CEASR47M50
C25	ELECTR. CAPACITOR	CEAS222M16
C26	ELECTR. CAPACITOR	CEAS102M16

C27	ELECTROLYTIC CAPACIT	CEAS471M6R3
C28	ELECTR. CAPACITOR	CEAS101M10
C52	ELECTR. CAPACITOR	CEAS101M35
C101, 102	ELECTR. CAPACITOR	CEAS101M10
C103	CERAMIC CAPACITOR	CCCCH180J50

C104	ELECTR. CAPACITOR	CEAS101M10
C110	CERAMIC CAPACITOR	CKDYF103Z50
C151-153	ELECTR. CAPACITOR	CEAS101M10
C155	MYLOR FILM CAPACITOR	CQMA182J50
C156	MYLOR FILM CAPACITOR	CQMA333K50

C157	MYLOR FILM CAPACITOR	CQMA103K50
C158, 159	MYLOR FILM CAPACITOR	CQMA104K50
C160	ELECTR. CAPACITOR	CEAS4R7M50
C161	MYLOR FILM CAPACITOR	CQMA104K50
C162	ELECTR. CAPACITOR	CEAS010M50

C163	MYLOR FILM CAPACITOR	CQMA104K50
C164	MYLOR FILM CAPACITOR	CQMA103K50
C167	CERAMIC CAPACITOR	CKCYF103Z50
C168	MYLOR FILM CAPACITOR	CQMA333K50
C169	MYLOR FILM CAPACITOR	CQMA103K50

C170	MYLOR FILM CAPACITOR	CQMA332J50
C171	MYLOR FILM CAPACITOR	CQMA472J50
C172	MYLOR FILM CAPACITOR	CQMA472K50
C202	CERAMIC CAPACITOR	CKCYF103Z50
C212	MYLOR FILM CAPACITOR	CQMA103K50

C216, 217	ELECTR. CAPACITOR	CEAS330M16
C301	MYLOR FILM CAPACITOR	CQMA104K50
C302	ELECTROLYTIC CAPACIT	CEAS471M6R3
C303	ELECTR. CAPACITOR	CEAS330M16
C306	CERAMIC CAPACITOR	CKCYB152K50

Mark	No.	Symbol & Description	Part No.
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C307	MYLOR FILM CAPACITOR	CQMA473J50
C308	MYLOR FILM CAPACITOR	CQMA103K50
C309	ELECTR. CAPACITOR	CEASR47M50
C351	ELECTROLYTIC CAPACIT	CEAS471M6R3
C361	CERAMIC CAPACITOR	CKCYF103Z50

C396	CERAMIC CAPACITOR	CKCYB102K50
C397	CERAMIC CAPACITOR	CKCYF103Z50
C403, 404	CERAMIC CAPACITOR	CCCCH150J50
C411	ELECTR. CAPACITOR	CEAS101M10
C413	ELECTR. CAPACITOR	CEAS330M16

C415	CERAMIC CAPACITOR	CKCYF103Z50
C416	CERAMIC CAPACITOR	CKCYF473Z50
C429, 430	ELECTR. CAPACITOR	CEAS220M25
C431, 432	ELECTR. CAPACITOR	CEAS330M16
C441, 442	MYLOR FILM CAPACITOR	CQMA152J50

RESISTORS

R21-24	CARBONFILM RESISTOR	RD1/6PM□□□J
R51-53	CARBONFILM RESISTOR	RD1/6PM□□□J
R101-110	CARBONFILM RESISTOR	RD1/6PM□□□J
R153-158	CARBONFILM RESISTOR	RD1/6PM□□□J
R160	CARBONFILM RESISTOR	RD1/6PM□□□J

R201-203	CARBONFILM RESISTOR	RD1/6PM□□□J
R205, 206	CARBONFILM RESISTOR	RD1/6PM□□□J
R208-212	CARBONFILM RESISTOR	RD1/6PM□□□J
R221-224	CARBONFILM RESISTOR	RD1/6PM□□□J
R301-312	CARBONFILM RESISTOR	RD1/6PM□□□J

R352	CARBONFILM RESISTOR	RD1/6PM□□□J
R356-360	CARBONFILM RESISTOR	RD1/6PM□□□J
R370-374	CARBONFILM RESISTOR	RD1/6PM□□□J
R391-394	CARBONFILM RESISTOR	RD1/6PM□□□J
R401-406	CARBONFILM RESISTOR	RD1/6PM□□□J

R411	CARBONFILM RESISTOR	RD1/6PM□□□J
R429, 430	CARBONFILM RESISTOR	RD1/6PM□□□J
R439-442	CARBONFILM RESISTOR	RD1/6PM□□□J
R445, 446	CARBONFILM RESISTOR	RD1/6PM□□□J
R496-498	CARBONFILM RESISTOR	RD1/6PM□□□J

VR102	VR	VRTB6VS223
VR103	VR	VRTB6VS102
VR151, 152	VR	VRTB6VS223

OTHERS

CN11	JUMPER CONNECTOR	KPC6
CN101	CONNECTOR	52045-1610
CN351	CONNECTOR	HLEM34S-1
JA391, 392	JACK/12V	PKN1004
JA393		RKN1014

JA401	JACK	PKB1009
X351	CERAMIC RESONATOR	VSS1014
X401	XTAL RES (OSC)	PSS1006

Mark	No.	Symbol & Description	Part No.
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**HEADPHONE BOARD ASSEMBLY
(For PD-T505/KC)****CAPACITORS**

C501, 502	CERAMIC CAPACITOR	CKCYB102K50
C504	CERAMIC CAPACITOR	CKCYF473Z50

RESISTORS

R501, 502	CARBONFILM RESISTOR	RD1/6PM□□□J
VR501	VARIABLE RESISTOR	PCS1003

**⊙ CONTROL BOARD ASSEMBLY
(PWZ1908)(For PD-T505/KC)****SEMICONDUCTORS**

D701-709	DIODE	1S2473
D721, 722		SPB-25MVW

SWITCHES

S701-733	SWITCH	PSG1006
	REMOTE SENSOR	SBX1610-51

OTHERS

CN701	CONNECTOR	HLEM36R-1
V701	FL INDICATOR TUBE	PEL1038

**⊙ CONTROL BOARD ASSEMBLY
(PWZ1906)(For PD-T305/KC)****SEMICONDUCTORS**

D701-706	DIODE	1S2473
D721, 722		SPB-25MVW

SWITCHES

S701-714, 723, 724, 727, 728	SWITCH	PSG1006
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OTHERS

CN701	CONNECTOR	HLEM34R-1
V701	FL INDICATOR TUBE	PEL1038

TRANSFORMER BOARD ASSEMBLY**SWITCH**

⚡ S1	POWER SWITCH	PSA-009
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CAPACITORS

⚡ C1	CAPACITOR (CERAMIC)	RCG-009
	C85, 86 CERAMIC CAPACITOR	CKCYF103Z50

7 IC DESCRIPTIONS

● LC78820 (D/A CONVERTER)

PIN FUNCTIONS

Pin No.	Pin Name	Pin Function
1	CH1OUT	CH1 output terminal (L ch).
2	VrefH1	Reference voltage "H" (Input terminal1).
3	VrefH2	Reference voltage "H" (Input terminal2).
4	VDD	Power supply voltage terminal +5V.
5	WCLK	Word clock input terminal. Generates the internal signal to latch digital audio data (DATAL, DATAR).
6	DATAL	Digital audio data input terminal (L ch). Input by bit serial from MSB. 2's complement format data.
7	DATAR	Digital audio data input terminal (R ch). Input by bit serial from MSB. 2's complement format data.
8	BCLK	Bit clock input terminal. Clock pulse to read-in digital audio data into LSI by bit serial.
9	SYSCLK	System clock input terminal. Main clock pulse to drive LSI. Functions as the interface select terminal in accordance with a mode (MODE1, 2).
10	VDD	Power supply voltage terminal +5V.
11	TSTOUT	Test output terminal. Normally open state.
12	TST1	Test output terminal. Normally connect to GND.
13	MODE1	Interface select terminal. Refer to the timing chart.
14	MODE2	
15	GND	GND terminal.
16	VrefL1	Reference voltage "L" Input terminal1.
17	GND	GND terminal.
18	VrefL2	Reference voltage "L" Input terminal2.
19	NC	No connection.
20	CH2OUT	CH2 output terminal (R ch).

8. FOR PD-T505/HEM, HB, HPW, SD, PD-T505-S/HEWM, PD-T305/HEM, HB, HPW AND SD TYPES

8.1 LINE VOLTAGE SELECTION FOR HEM, HB AND HPW TYPES

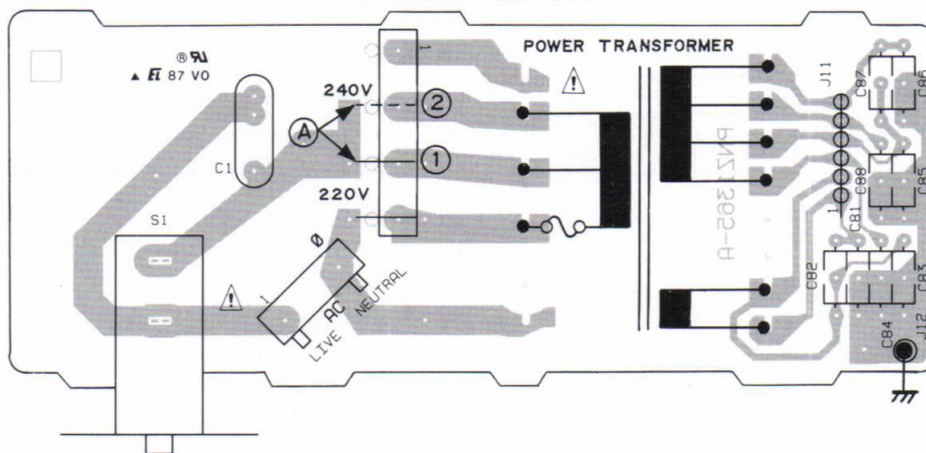
1. Disconnect the AC power cord.
2. Remove the bonnet.
3. Change the position of the jumper (A) as follows.

Voltage	Jumper (A) position
220V	①
240V	②

4. Stick the line voltage label on the rear panel.

Description	Part No.
220V label	AAX-193
240V label	AAX-192

TRANSFORMER BOARD ASSEMBLY



8.2 CONTRAST OF MISCELLANEOUS PARTS FOR PD-T505 AND PD-T505-S TYPES

- NOTES :
- Parts without part number cannot be supplied.
 - The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 - Parts marked by "⊙" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

The PD-T505/HEM, HB, HPW, SD and PD-T505-S/HEWM types are the same as the PD-T505/KC type with the exception of the following sections.

Mark	Symbol & Description	Part No.					
		PD-T505/ KC type	PD-T505/ HEM type	PD-T505/ HB type	PD-T505/ HPW type	PD-T505/ SD type	PD-T505-S/ HEWM type
⊙	Main board assembly	PWZ1897	PWZ1895	PWZ1895	PWZ1896	PWZ1896	PWZ1895
⚠	Transformer board assembly	Non supply	Non supply	Non supply	Non supply	Non supply	Non supply
⚠	Strain relief	CM-22C	CM-22B	CM-22B	CM-22B	CM-22B	CM-22B
⚠	AC power cord	PDG1002	PDG1008	PDG1009	PDG1011	RDG1003	PDG1008
⚠	Power transformer (120V)	PTT1147	.....	.....	.....	.....	.....
⚠	Power transformer (220/240V)	.....	PTT1148	PTT1148	PTT1148	.....	PTT1148
⚠	Power transformer (110/120-127/220/240V)	.....	.....	.....	.....	PTT1149	.....
⚠	Line voltage selector	.....	.....	.....	.....	PSB1002	.....
	Display window (A)	PAM1369	.....	.....	PAM1369	PAM1369	.....
	Display window (B)	.....	PAM1386	PAM1386	.....	.....	PAM1386
	Power button	PAC1058	PAC1058	PAC1058	PAC1058	PAC1058	PAC1482
	Headphone knob	PAC1370	PAC1370	PAC1370	PAC1370	PAC1370	PAC1402
	Select button	PAC1440	PAC1440	PAC1440	PAC1440	PAC1440	PAC1473
	Track button	PAC1449	PAC1449	PAC1449	PAC1449	PAC1449	PAC1496
	Play button	PAC1450	PAC1450	PAC1450	PAC1450	PAC1450	PAC1499
	Headphone name plate	PAM1383	PAM1383	PAM1383	PAM1383	PAM1383	PAM1415
	Door 1	PNW1683	PNW1683	PNW1683	PNW1683	PNW1683	PNW1754
	Door 2	PNW1684	PNW1684	PNW1684	PNW1684	PNW1684	PNW1755
	O/C cap 1	PNW1685	PNW1685	PNW1685	PNW1685	PNW1685	PNW1756
	O/C cap 2	PNW1686	PNW1686	PNW1686	PNW1686	PNW1686	PNW1757
	Control panel	PNW1701	PNW1701	PNW1701	PNW1701	PNW1701	PNW1730
	Control panel assembly	PEA1049	PEA1049	PEA1049	PEA1049	PEA1049	PEA1077
	Bonnet	PYY1131	PYY1131	PYY1131	PYY1131	PYY1131	PYY1138
	Stopper	PNM1070	PNM1070	PNM1070	.....	.....	PNM1070
	Insulator	PNW1263	PNW1263	PNW1263	.....	.....	PNW1263
	Leg assembly	.....	.....	.....	PXA1201	PXA1201	.....
	Connection cord (Mini)	PDE-319	.....	.....	.....	.....	.....
	Packing case	PHG1439	PHG1439	PHG1439	PHG1439	PHG1439	PHG1467
	Operating instructions (English)	.....	.....	PRB1120	PRB1120	PRB1120	.....
	Operating instructions (English/French)	PRE1116	PRE1116	.....	.....	.....	.....
	Operating instructions (German/Italian/Dutch/Spanish/Swedish/Portuguese)	.....	PRF1033	.....	.....	.....	PRF1033
	Operating instructions (Spanish)	.....	.....	.....	.....	PRC1021	.....

⊙ MAIN BOARD ASSEMBLY (PWZ1895 and PWZ1896)

The main board assemblies (PWZ1895 and PWZ1896) are the same as the main board assembly (PWZ1897) with the exception of the following sections.

Mark	Symbol & Description	Part No.			Remarks
		PWZ1897	PWZ1895	PWZ1896	
	D11-D14	11ES2	.....	11ES2	
	D25	.....	2W02-5008-L	.....	
	D391-D394	1SS254	.....	.....	
	IC30-IC32	.....	ICP-N10	.....	
	R391	RD ½ PM244J	.....	.....	
	R392	RD ½ PM102J	.....	.....	
	JA391, JA392 Remote control jack	PKN1004	.....	.....	

TRANSFORMER BOARD ASSEMBLY

The transformer board assemblies (for PD-T505/SD and PD-T505-S/HEWM types) are the same as the transformer board assembly (for PD-T505/KC type) for the service supply parts.

8.3 CONTRAST OF MISCELLANEOUS PARTS FOR PD-T305 TYPE

- NOTES :
- Parts without part number cannot be supplied.
 - The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 - Parts marked by "⊙" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

The PD-T305/HEM, HB, HPW and SD types are the same as the PD-T305/KC type with the exception of the following sections.

Mark	Symbol & Description	Part No.					Remarks
		PD-T305/ KC type	PD-T305/ HEM type	PD-T305/ HB type	PD-T305/ HPW type	PD-T305/ SD type	
⊙	Main board assembly	PWZ1891	PWZ1892	PWZ1892	PWZ1891	PWZ1891	
	Headphone board assembly	.....	Non supply	Non supply	Non supply	.....	
	Transformer board assembly	Non supply	Non supply	Non supply	Non supply	Non supply	
⚠	Strain relief	CM-22C	CM-22B	CM-22B	CM-22B	CM-22B	
⚠	AC power cord	PDG1002	PDG1008	PDG1009	PDG1011	RDG1003	
⚠	Power transformer (120V)	PTT1147	.....	.....	.....	.....	
⚠	Power transformer (220/240V)	.....	PTT1148	PTT1148	PTT1148	.....	
⚠	Power transformer (110/120-127/220/240V)	.....	.....	.....	.....	PTT1149	
⚠	Line voltage selector	.....	.....	.....	.....	PSB1002	
	Headphone name plate (C)	PAM1368	.....	.....	PAM1368	PAM1368	
	Headphone name plate (D)	.....	PAM1385	PAM1385	.....	.....	
	Display window (A)	PAM1369	.....	.....	PAM1369	PAM1369	
	Display window (B)	.....	PAM1386	PAM1386	.....	.....	
	Stopper	.....	PNM1070	PNM1070	.....	.....	
	Insulator	.....	PNW1263	PNW1263	.....	.....	
	Leg assembly	PXA1201	.....	.....	PXA1201	PXA1201	
	Headphone knob	.....	PAC1370	PAC1370	.....	.....	
	Operating instructions (English)	.....	.....	PRB1120	PRB1120	.....	
	Operating instructions (English/French)	PRE1116	PRE1116	.....	.....	.....	
	Operating instructions (German/Italian/Dutch/Swedish/Spanish/Portuguese)	.....	PRF1033	.....	.....	.....	
	Operating instructions (Spanish)	.....	.....	.....	.....	PRC1021	

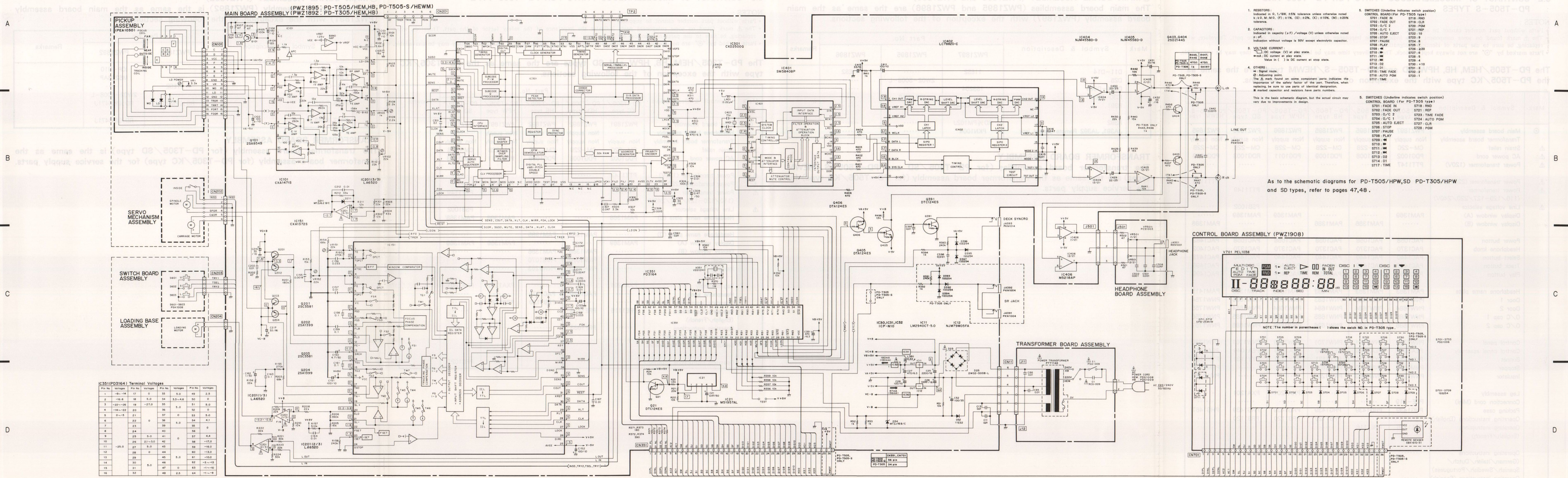
⊙ MAIN BOARD ASSEMBLY (PWZ1892)

The main board assembly (PWZ1892) is the same as the main board assembly (PWZ1891) with the exception of the following sections.

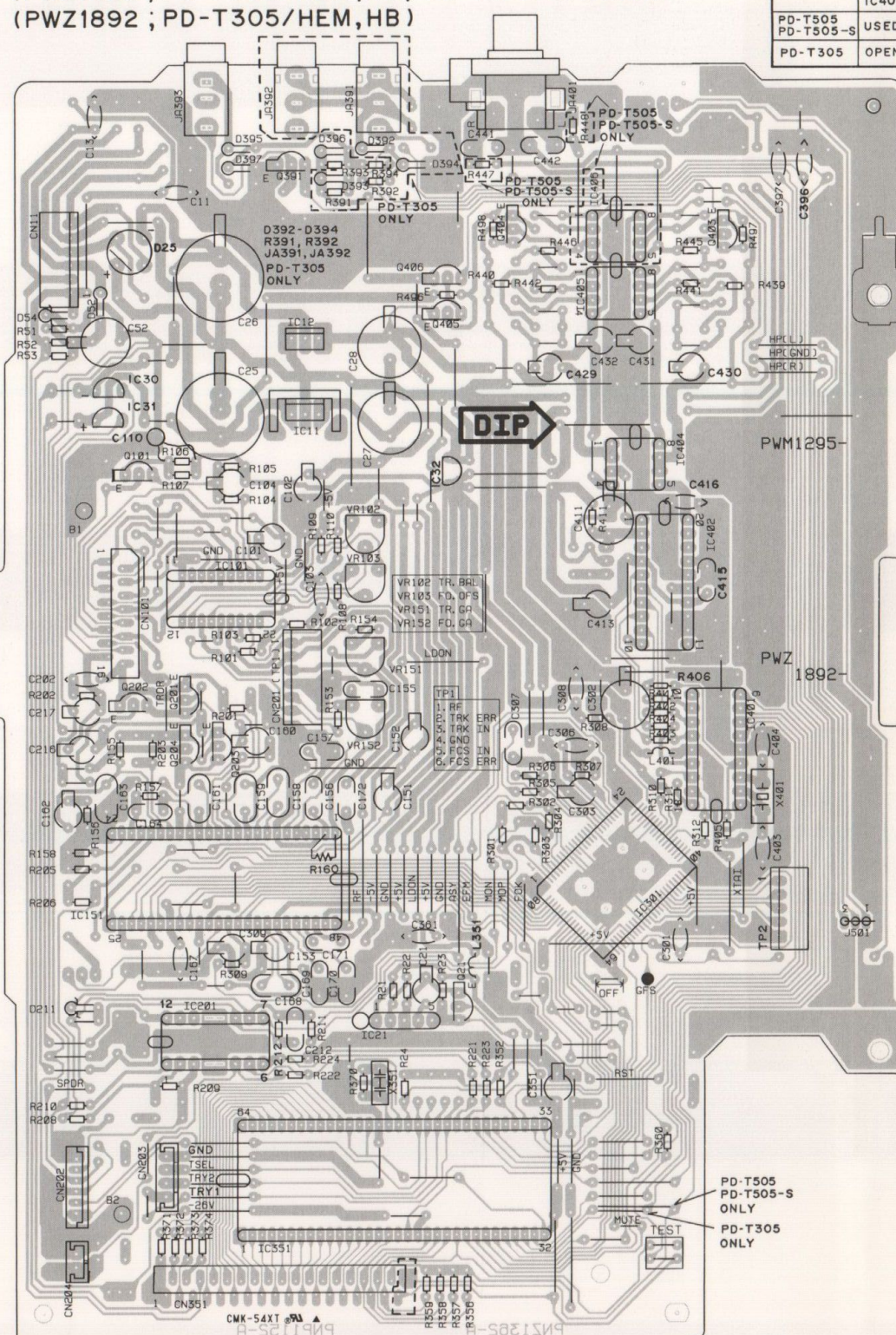
Mark	Symbol & Description	Part No.		Remarks
		PWZ1891	PWZ1892	
	IC30-IC32	.....	ICP-N10	
	IC406	.....	M5218AP	
	D11-D14	11ES2	.....	
	D25	.....	2W02-5008-L	
	R445, R446	RD ½ PM102J	RD ½ PM471J	
	R447, R448	.....	RD ½ PM471J	

TRANSFORMER BOARD ASSEMBLY

The transformer board assembly (for PD-T305/SD type) is the same as the transformer board assembly (for PD-T305/KC type) for the service supply parts.



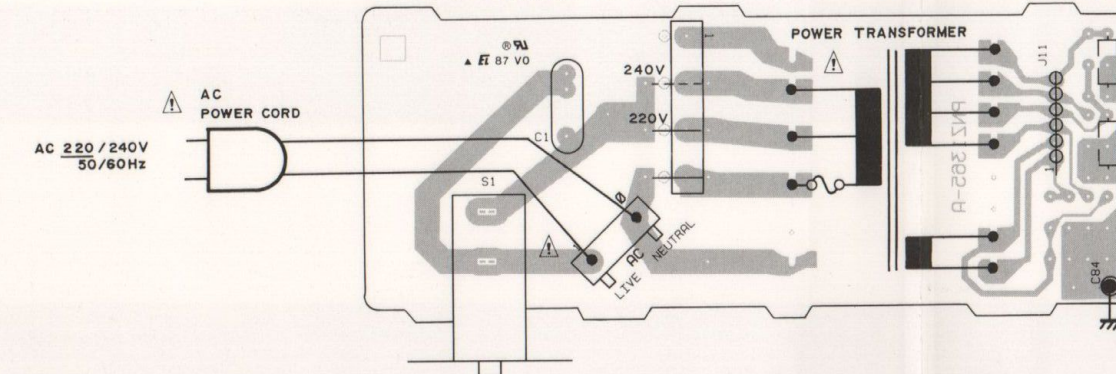
MAIN BOARD ASSEMBLY
(PWZ1895; PD-T505/HEM,HB, PD-T505-S/HEWM)
(PWZ1892; PD-T305/HEM,HB)



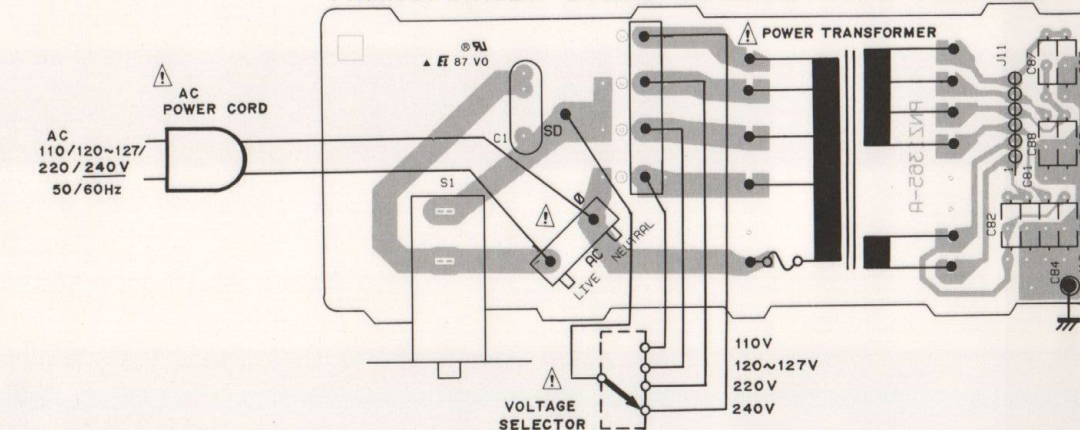
	IC406	D391	R447,R448
PD-T505 PD-T505-S	USED	USED	USED
PD-T305	OPEN	OPEN	SHORT

	CN351
PD-T505 PD-T505-S	36 PIN
PD-T305	34 PIN

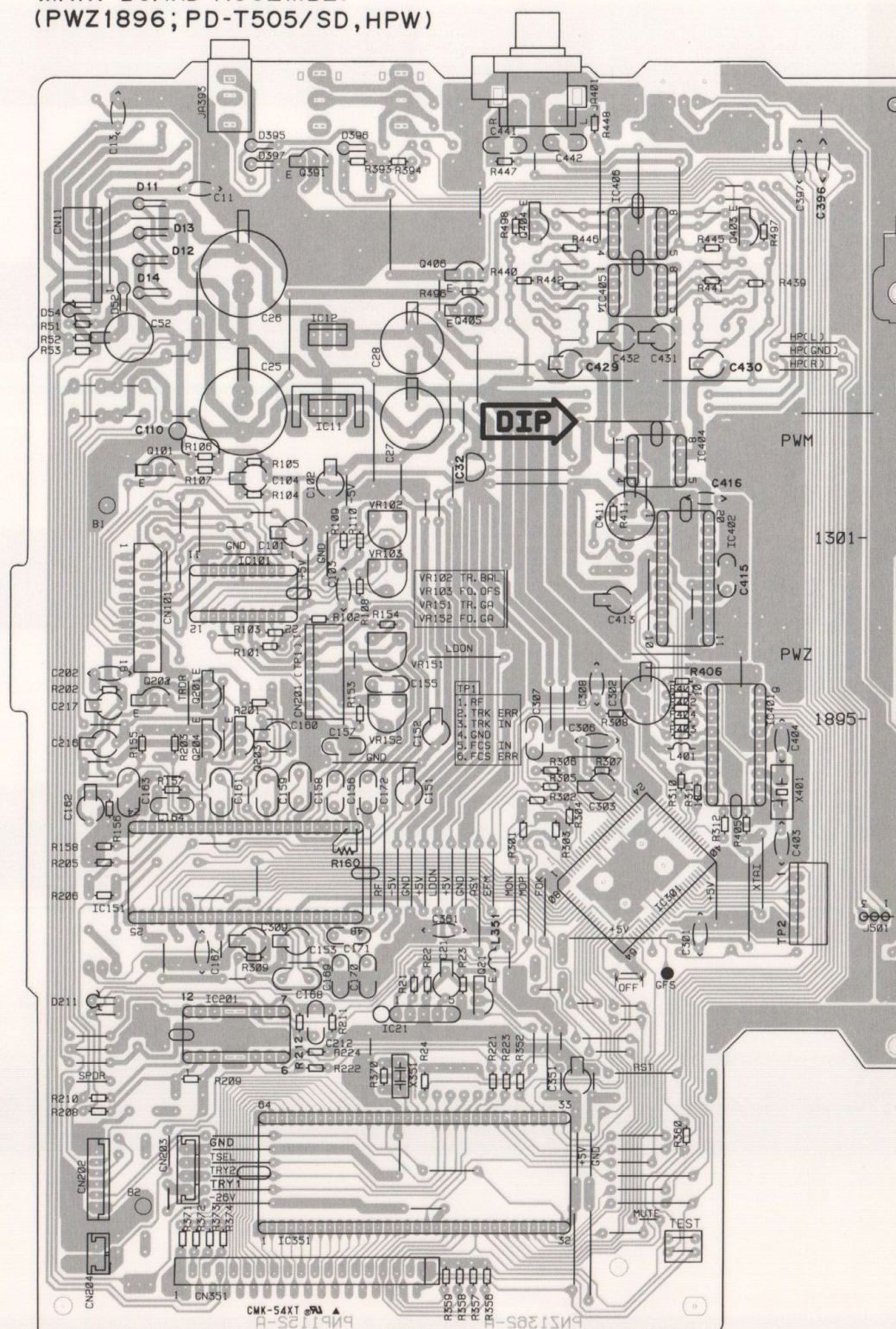
TRANSFORMER BOARD ASSEMBLY (PD-T305/HEM,HB,HPW)
(PD-T505/HEM,HB,HPW)
(PD-T505-S/HEWM)



TRANSFORMER BOARD ASSEMBLY (PD-T305/SD



MAIN BOARD ASSEMBLY
(PWZ1896; PD-T505/SD, HPW)



PCB pattern diagram indication	Corresponding part symbol	Part name
		Transistor
		FET
		Diode
		Zener diode
		LED
		Varactor
		Tact switch
		Inductor
		Coil
		Transformer
		Filter
		Ceramic capacitor
		Mylar capacitor
		Styrol capacitor
		Electrolytic capacitor (Non polarized)
		Electrolytic capacitor (Noiseless)
		Electrolytic capacitor (Polarized)
		Electrolytic capacitor (Polarized)
		Power capacitor
		Semi-fixed resistor
		Resistor array
		Resistor
		Resonator
		Thermistor

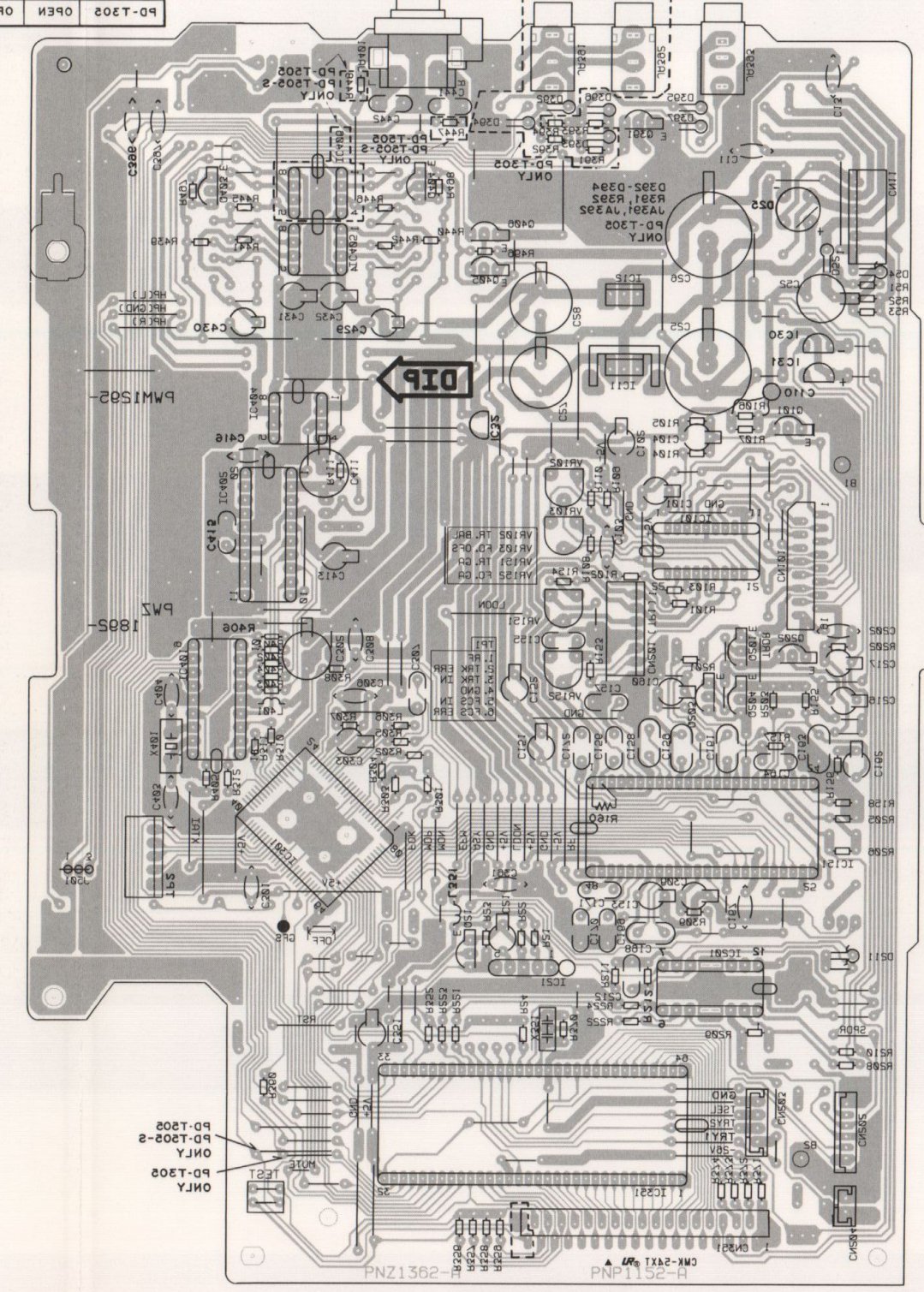
1. This P.C.B. connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the above Table.
3. The capacitor terminal marked with  shows negative terminal.
4. The diode marked with  shows cathode side.
5. The transistor terminal marked with  shows emitter.

View from soldering side

8.2. P.C. BOARD PATTERNS (FOR PD-T502\HEM, HB, 2D, PD-T502-2\HEMW, PD-T302\HEM, HB AND HPW TYPES)

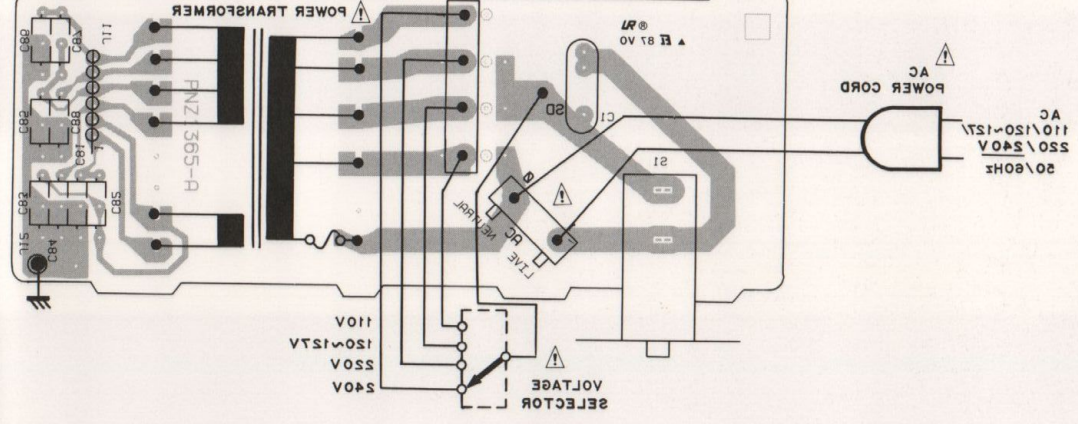
PD-T302	OPEN	IC408	R44T,R44B
PD-T502-2	USED	D3A1	
PD-T502-2	USED		
PD-T302	OPEN		
PD-T302	SHORT		

MAIN BOARD ASSEMBLY
(PM21885; PD-T502\HEM, HB, PD-T502-2\HEMW)

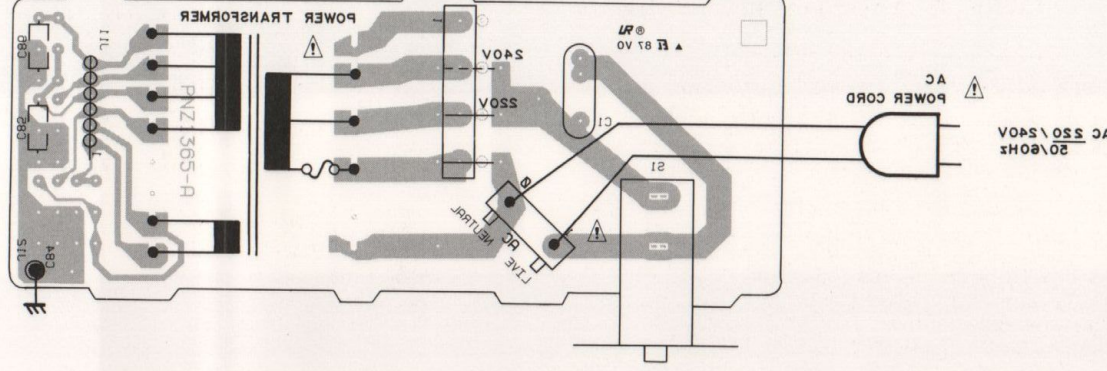


PD-T302	34 PIN
PD-T502-2	36 PIN
CH321	

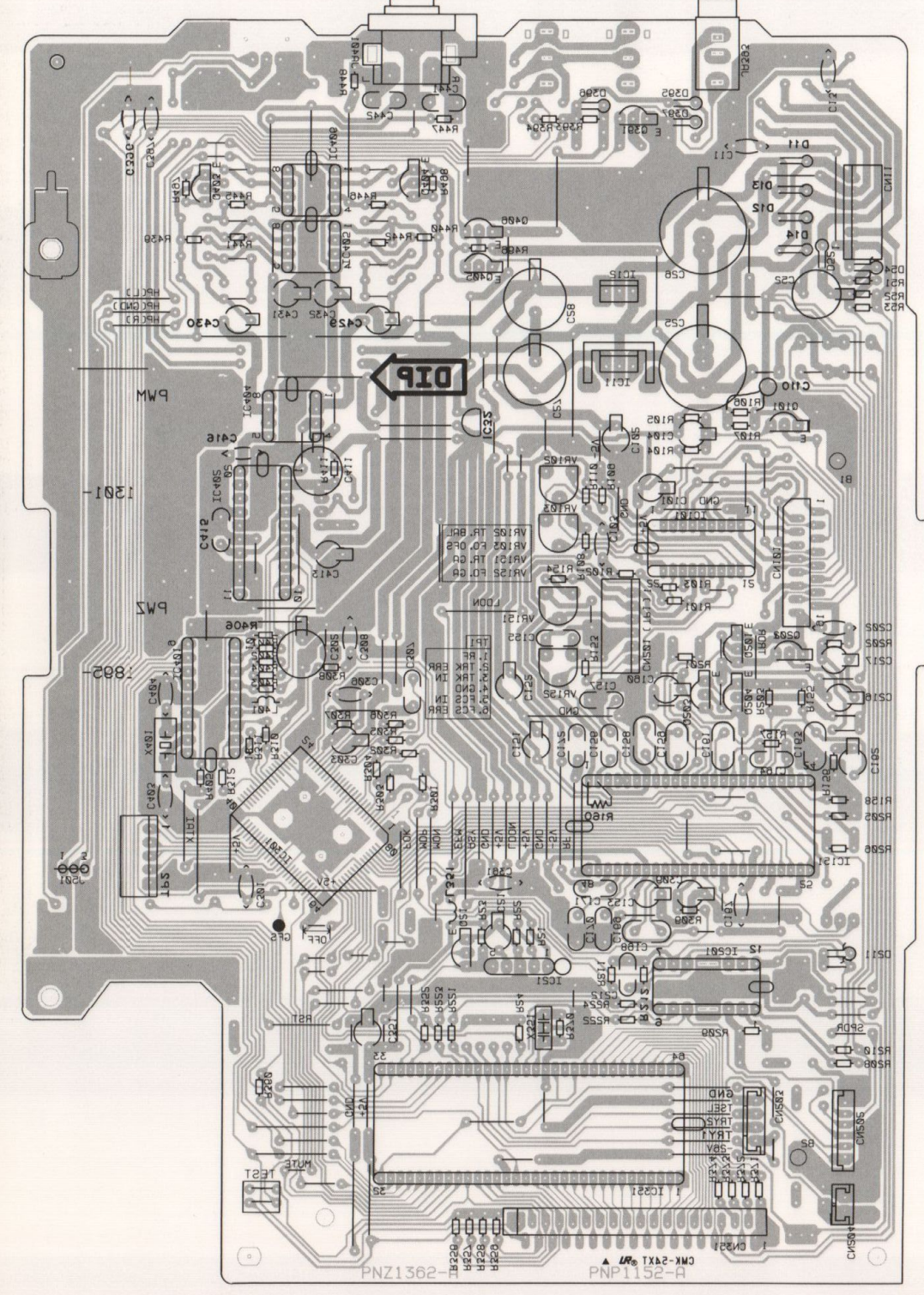
TRANSFORMER BOARD ASSEMBLY (PD-T502\2D)



TRANSFORMER BOARD ASSEMBLY (PD-T302\HEM, HB, HPW)



MAIN BOARD ASSEMBLY
(PM21885; PD-T502\2D, HPW)



A

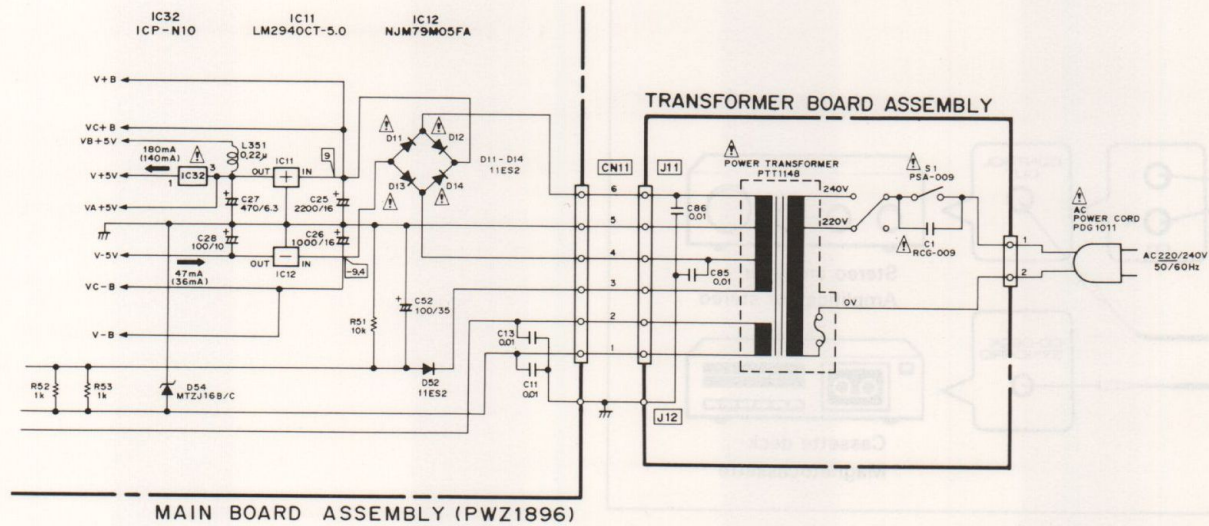
B

C

D

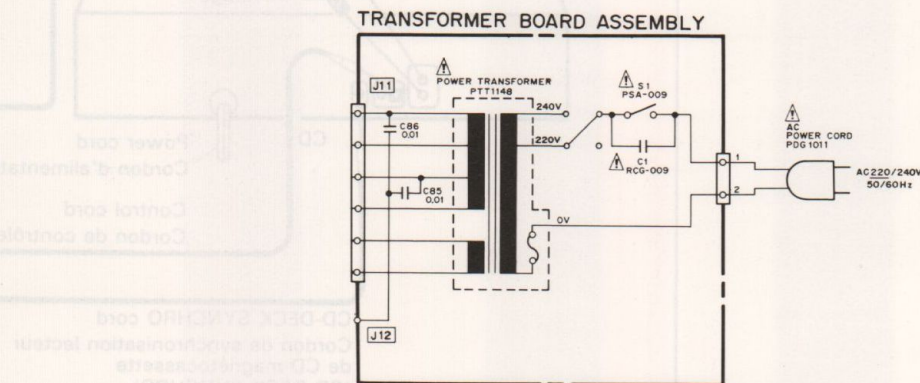
8.6 SCHEMATIC DIAGRAM FOR PD-T505/HPW AND SD TYPES FOR PD-T505/HPW TYPE

Note : The schematic diagram of the PD-T505/HPW type is shown in the PD-T505/KC type with the exception of the following sections.



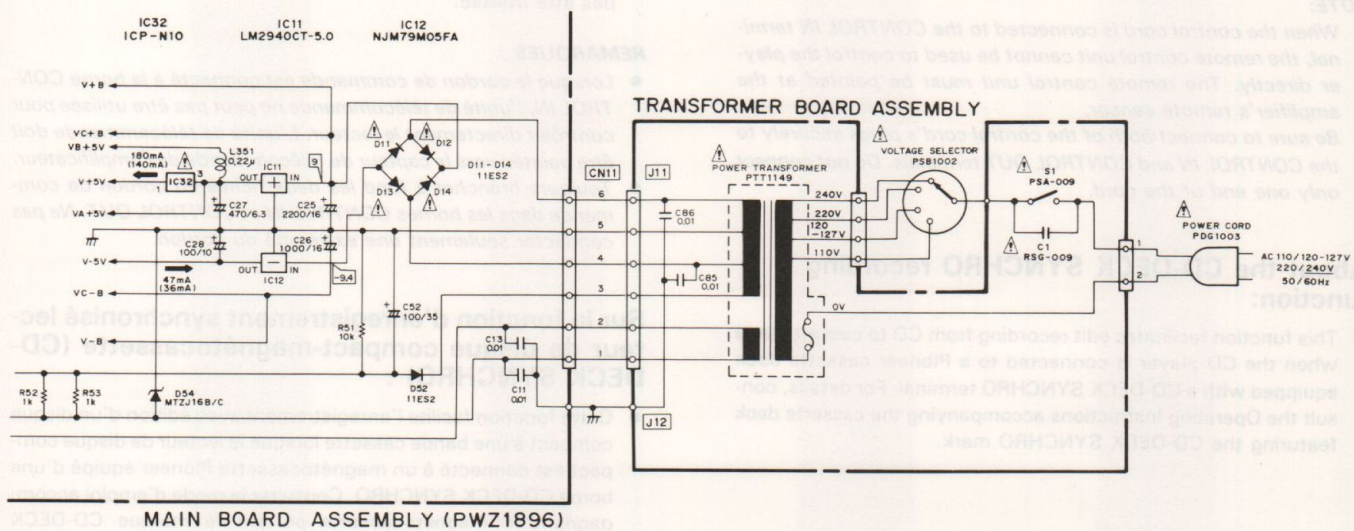
8.7 SCHEMATIC DIAGRAM FOR PD-T305/HPW AND SD TYPES FOR PD-T305/HPW TYPE

Note : The schematic diagram of the PD-T305/HPW type is shown in the PD-T305/KC type with the exception of the following section.



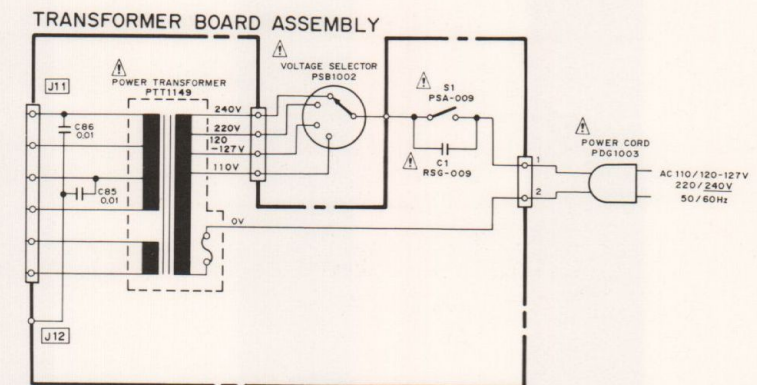
FOR PD-T505/SD TYPE

Note : The schematic diagram of the PD-T505/SD type is shown in the PD-T505/KC type with the exception of the following sections.

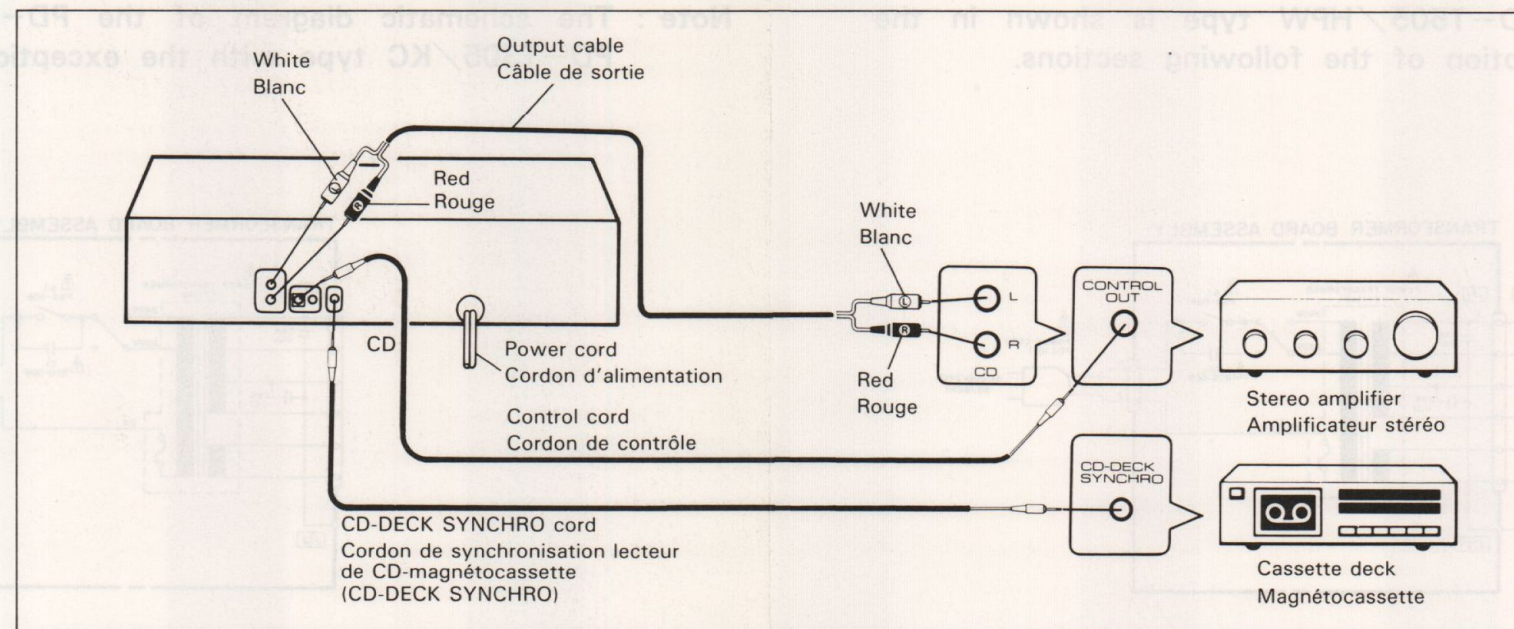


FOR PD-T305/SD TYPE

Note : The schematic diagram of the PD-T305/SD type is shown in the PD-T305/KC type with the exception of the following section.



9. CONNECTIONS / CONNEXIONS



CONNECTING THE OUTPUT CABLE:

Connect the plugs on one end of the cable to your amplifier's input terminals (CD or AUX), and those on the other end to the output terminals on this CD player.

- When connecting the cord, insert the white plugs into the left (L) channel, and the red plugs to the right (R) channel.
- Be sure to connect all plugs fully into their terminals.
- Never connect the CD player to your amplifier's turntable (PHONO) terminals, since sound will be distorted and proper playback will not be possible.

CONNECTING THE POWER CORD:

Insert the power cord's plug into an accessory AC outlet on your amplifier, or into a normal household outlet.

CONNEXION DU CÂBLE DE SORTIE :

Brancher les fiches à une extrémité du câble aux bornes d'entrée (CD ou AUX) de l'amplificateur et celles à l'autre extrémité aux bornes de sortie de ce lecteur de disque compact.

- Lors de la connexion du cordon, insérer les fiches blanches dans le canal gauche (L) et les fiches rouges dans le canal droit (R).
- Toujours brancher à fond les fiches dans les bornes.
- Ne jamais connecter le lecteur de disque compact aux bornes de table de lecture (PHONO) de l'amplificateur, car le son sera déformé et une reproduction correcte n'est pas possible.

CONNEXION DU CORDON D'ALIMENTATION :

Insérer la fiche du cordon d'alimentation dans une sortie CA accessoire de l'amplificateur ou dans une prise électrique normale.

REMOTE CONTROL AMPLIFIER OPERATION:

Applicable models: PD-T305 and PD-T505 (U.S. and Canadian models).

If your amplifier features the mark, connect the accessory control cord between the Amplifier's CONTROL OUT terminal and the CD player's CONTROL IN terminal.

- You can then use the remote control unit furnished with your amplifier to perform PLAY, PAUSE, STOP and TRACK operations on the CD player.
- For details regarding connection and operation, consult the Operating Instructions accompanying your stereo amplifier.
- These terminals do not need to be connected if you do not intend to use this function.

NOTE:

- When the control cord is connected to the CONTROL IN terminal, the remote control unit cannot be used to control the player directly. The remote control unit must be pointed at the amplifier's remote sensor.
- Be sure to connect both of the control cord's plugs securely to the CONTROL IN and CONTROL OUT terminals. Do not connect only one end of the cord.

About the CD-DECK SYNCHRO recording function:

- This function facilitates edit recording from CD to cassette tape when the CD player is connected to a Pioneer cassette deck equipped with a CD-DECK SYNCHRO terminal. For details, consult the Operating Instructions accompanying the cassette deck featuring the CD-DECK SYNCHRO mark.

UTILISATION PAR TELECOMMANDE VIA L'AMPLIFICATEUR :

Modèles applicables : PD-T305 et PD-T505 (Modèles Etats-Unis et Canada).

Si l'amplificateur porte la marque , connecter le cordon de contrôle accessoire entre la borne CONTROL OUT de l'amplificateur et la borne CONTROL IN du lecteur de disque compact.

- L'unité de télécommande fournie avec l'amplificateur peut alors être utilisée pour activer les fonctions de lecture (PLAY), de PAUSE, d'arrêt (STOP) et de piste (TRACK) du lecteur de disque compact.
- Consulter le mode d'emploi accompagnant l'amplificateur stéréo pour plus de détails concernant les connexions et l'utilisation.
- Il est inutile de connecter ces bornes si cette fonction ne doit pas être utilisée.

REMARQUES :

- Lorsque le cordon de commande est connecté à la borne CONTROL IN, l'unité de télécommande ne peut pas être utilisée pour contrôler directement le lecteur. L'unité de télécommande doit être pointée vers le capteur de télécommande de l'amplificateur.
- Toujours brancher à fond les deux fiches du cordon de commande dans les bornes CONTROL IN et CONTROL OUT. Ne pas connecter seulement une extrémité du cordon.

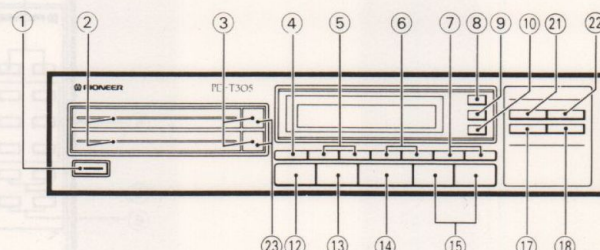
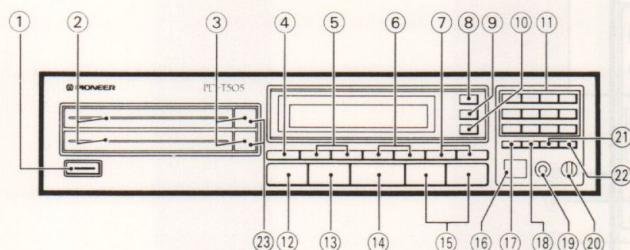
Sur la fonction d'enregistrement synchronisé lecteur de disque compact-magnétocassette (CD-DECK SYNCHRO) :

- Cette fonction facilite l'enregistrement avec édition d'un disque compact à une bande cassette lorsque le lecteur de disque compact est connecté à un magnétocassette Pioneer équipé d'une borne CD-DECK SYNCHRO. Consulter le mode d'emploi accompagnant le magnétocassette portant la marque CD-DECK SYNCHRO pour plus de détails.

10. PANEL FACILITIES / COMMANDES DU PANNEAU

PD-T505

PD-T305



FRONT PANEL

- ① **POWER switch**
Press to turn power ON and OFF. If the power is turned ON when a disc is already loaded, the player will automatically enter the play mode (timer start function).
- ② **Disc tray (DISC I, DISC II)**
- ③ **OPEN/CLOSE buttons**
- ④ **AUTO EJECT button**
- ⑤ **AUTO FADER buttons**
- ⑥ **MANUAL SEARCH buttons**
- ⑦ **TRACK SEARCH buttons**
- ⑧ **TIME button**
- ⑨ **REPEAT button**
- ⑩ **RANDOM PLAY button**
- ⑪ **TRACK NUMBER buttons (1 – 10, + 10, ≥ 20)**
- ⑫ **STOP button (■)**
- ⑬ **PAUSE button (■ ■)**
- ⑭ **PLAY button (▶)**
- ⑮ **Disc select buttons (DISC I, DISC II)**
- ⑯ **Remote sensor**
- ⑰ **Auto program edit button (AUTO PGM)**
- ⑱ **Time fade edit button (TIME FADE)**
- ⑲ **Headphones jack (PHONES)**
- ⑳ **Headphones volume control (PHONES LEVEL)**
- ㉑ **Program button (PGM)**
- ㉒ **CLEAR button**
- ㉓ **Indicators (I, II)**
Green : During playback.
Red : Without disc.
Yellow : At other times.

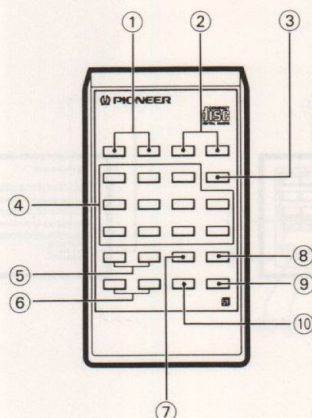
NOTE:

Items ⑲ and ㉑ are included on the U.K. and European models of the PD-T305.

PANNEAU AVANT

- ① **Interrupteur d'alimentation (POWER)**
Appuyer sur cet interrupteur pour mettre l'appareil sous tension (ON) et en attente (OFF). Si l'alimentation est activée (ON) lorsqu'un disque est déjà chargé, le lecteur passe automatiquement dans le mode de lecture (fonction de démarrage par minuterie).
- ② **Plateau de disque (DISC I, DISC II)**
- ③ **Touche d'ouverture/fermeture (OPEN/CLOSE)**
- ④ **Touche d'éjection automatique (AUTO EJECT)**
- ⑤ **Touches de commande progressive automatique (AUTO FADER)**
- ⑥ **Touche de recherche manuelle (MANUAL SEARCH)**
- ⑦ **Touche de recherche de piste (TRACK SEARCH)**
- ⑧ **Touche de temps (TIME)**
- ⑨ **Touche de répétition (REPEAT)**
- ⑩ **Touche de lecture aléatoire (RANDOM PLAY)**
- ⑪ **Touches de numéros de pistes (TRACK NUMBER) (1 – 10, + 10, ≥ 20)**
- ⑫ **Touche d'arrêt (STOP) (■)**
- ⑬ **Touche de PAUSE (■ ■)**
- ⑭ **Touche de lecture (PLAY) (▶)**
- ⑮ **Touches de sélection de disque (DISC I, DISC II)**
- ⑯ **Capteur de télécommande**
- ⑰ **Touche d'édition programmée automatique (AUTO PGM)**
- ⑱ **Touche d'atténuation temporisée (TIME FADE)**
- ⑲ **Prise de casque (PHONES)**
- ⑳ **Commande de volume de casque (PHONES LEVEL)**
- ㉑ **Touche de programmation (PGM)**
- ㉒ **Touche d'effacement (CLEAR)**

PD-T505 only/PD-T505 seulement



REMOTE CONTROL UNIT

Buttons listed here but not accompanied with explanations have the same functions as the corresponding front-panel buttons.

- ① DISC SELECT buttons (DISC I, DISC II)
- ② OUTPUT LEVEL button
- ③ Program button (PGM)
- ④ Track number buttons (1—10, >10)
- ⑤ Track search buttons (TRACK <<<, >>>)
- ⑥ Manual search buttons (MANUAL <<<, >>>)
- ⑦ RANDOM PLAY button
- ⑧ PLAY button (▶)
- ⑨ STOP/CLEAR button (■)
- ⑩ PAUSE button (|||)

⑬ Indicateurs (I, II)

- Vert : Pendant la reproduction.
- Rouge : Pas de disque.
- Jaune : Aux autres moments.

REMARQUE :

Les éléments ⑬ et ⑭ sont inclus sur les modèles Royaume-Uni et Europe du PD-T305.

UNITE DE TELECOMMANDE

Les touches indiquées ici mais n'étant pas accompagnées d'explications ont les mêmes fonctions que les touches correspondantes du panneau avant.

- ① Touches de sélection de disque (DISC SELECT) (DISC I, DISC II)
- ② Touche de niveau de sortie (OUTPUT LEVEL)
- ③ Touche de programmation (PGM)
- ④ Touches de numéros de pistes (1—10, >10)
- ⑤ Touches de recherche de piste (TRACK) (<<<, >>>)
- ⑥ Touches de recherche manuelle (MANUAL) (<<<, >>>)
- ⑦ Touche de lecture aléatoire (RANDOM PLAY)
- ⑧ Touche de lecture (PLAY) (▶)
- ⑨ Touche d'arrêt/effacement (STOP/CLEAR) (■)
- ⑩ Touche de PAUSE (|||)

11. SPECIFICATIONS

1. General

- Type Compact disc digital audio system
- Power requirements
- European models AC 220V, 50/60Hz
 - U.K., Australian models AC 240V, 50/60Hz
 - U.S., Canadian models AC 120V, 60Hz
 - Other models AC 110/120—127/220/240V (switchable), 50/60Hz
- Power consumption 13W
- Operating temperature +5°C—+35°C (+41°F—+95°F)
- Weight 4.2kg (9lb, 4oz)
- External dimensions:
- PD-T505: U.S. Canadian, U.K. and European models, 420(W) × 326(D) × 102(H)mm 16-9/16(W) × 12-27/32(D) × 4-1/32(H) in.
 - PD-T305: U.K. and European models, 420(W) × 326(D) × 94(H)mm 16-9/16(W) × 12-27/32(D) × 3-23/32(H) in.

2. Audio section

- Frequency response 2Hz—20kHz
- S/N 106dB or more (EIAJ)
- Dynamic range 92dB or more (EIAJ)
- Channel separation 98dB or more (EIAJ)
- Total harmonic distortion 0.04% or less (EIAJ)
- Output voltage 2.0V
- Wow and flutter Limit of measurement (±0.001% W.PEAK) or less (EIAJ)
- Number of channels 2 channels (stereo)

3. Output terminal

- Audio line output terminals
- CD-DECK SYNCHRO terminal
- Control input/output terminals (PD-T305: All models, PD-T505: U.S. and Canadian models only)
- Headphone jack (with volume control) (PD-T305: U.K. and European models only, PD-T505: All models)

4. Functions

- Play
- Pause
- Track search
- Manual search
- Direct selection (PD-T505)
- Programmed playback
- Programmed repeat
- Pause program
- Multi-disc auto program edit
- Multi-disc time fade edit
- Single track repeat
- Sequential disc all track repeat
- Relay playback
- Random relay play
- Program relay play
- Single track auto eject play
- Auto eject play
- Auto eject random play
- Auto eject program play
- Random play
- Random repeat
- Digital level control (remote control: PD-T505)
- Auto fader in/out
- Display of a particular track
- Timer start

5. Accessories

- Remote control unit (PD-T505 only) 1
- Size AAA/R03 dry cell batteries (PD-T505 only) 2
- Remote control cord (PD-T505: U.S. and Canadian models) (PD-T305: All models) 1
- Output cable 1
- Operating instructions 1

NOTE:

The specifications and design of this product are subject to change without notice, due to improvements.