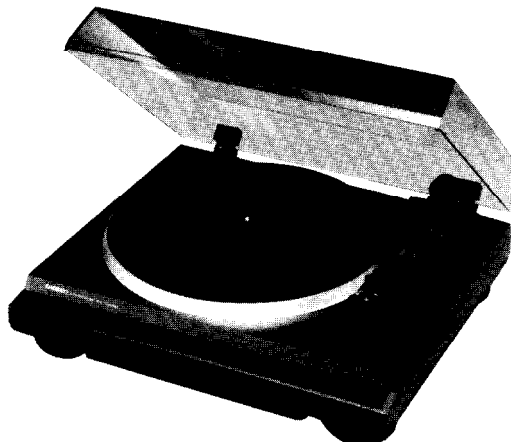


ONKYO SERVICE MANUAL

AUTOMATIC RETURN TURNTABLE MODEL CP-1200A



UDN, UDC, UD	120V AC, 60Hz
UGV, UG	220V AC, 50Hz
UW	120 or 220V AC, 50/60Hz
UQA, UQB	240V AC, 50Hz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK $\triangle$ ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PARTS NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

SPECIFICATIONS

Type:	2-speed automatic-return turntable with cueing lever
Turntable Platter:	31cm (12-1/4") Aluminum diecast
Motor:	DC servo
Speeds:	33-1/3rpm, 45rpm
Wow & Flutter:	0.045% WRMS
Signal-to-Noise Ratio:	66dB (IEC-Y, DIN-B)
Tonearm:	Static balanced straight-type pipe arm
Effective Arm Length:	210mm (8-5/16")
Overhang:	13mm (1/2")
Maximum Tracking Error:	+4.5 degrees, -1 degree
Usable Cartridge Weight:	Min. 5.0g, Max. 9.0g
Dimensions (W x H x D):	418mm x 132mm x 374mm 16-1/2" x 5-1/6" x 14-6/8"
Weight:	3.7kg (8.2lbs.)

Optional Recommended Headshell: SH-21F

In the interest of further product improvements, specifications are subject to change without notice.

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AUDIO COMPONENTS

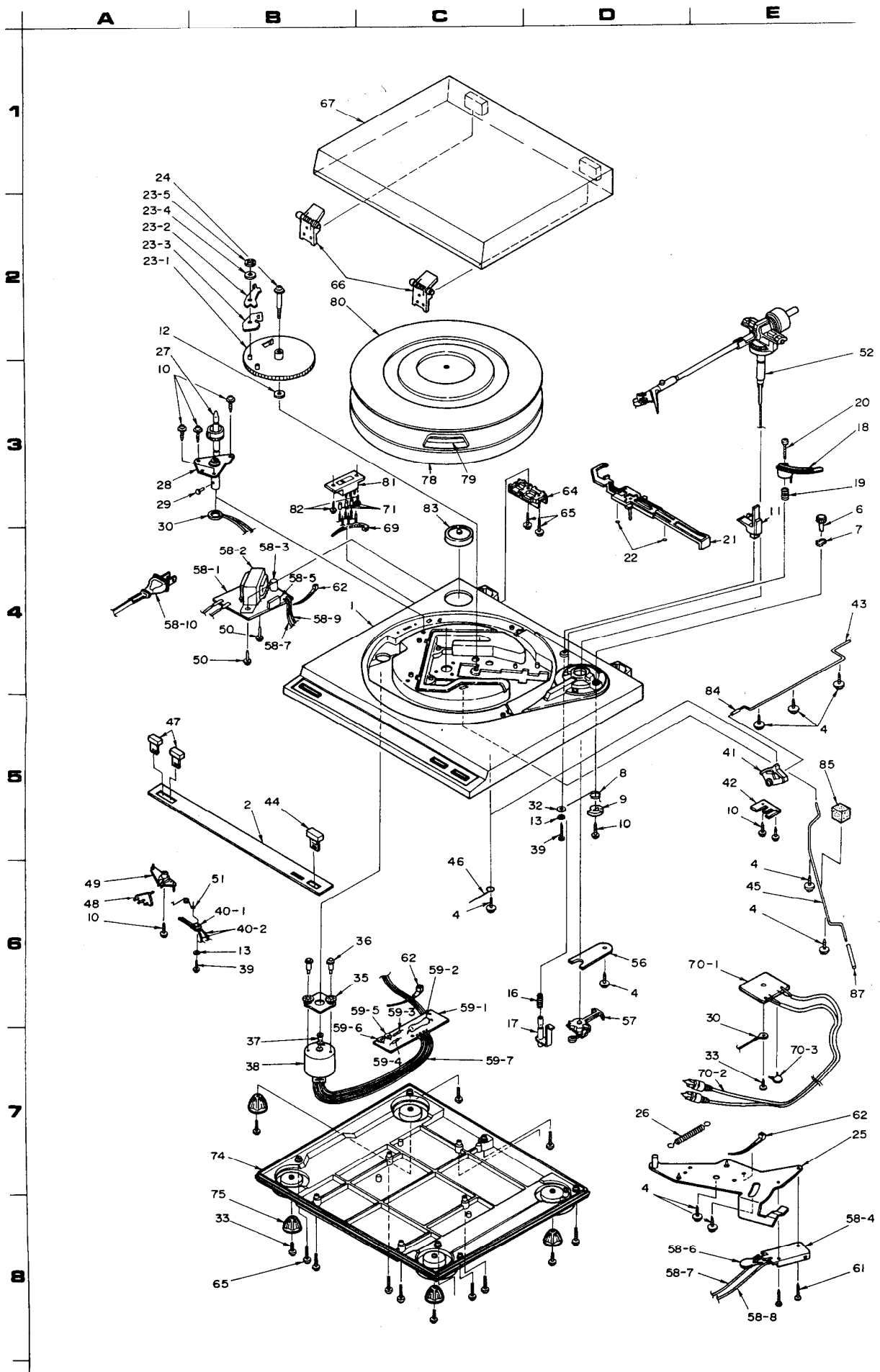
PARTS LIST

REF. NO.	PART NO.	DESCRIPTION			
1	28110484	CABINET (BLACK)	46	24503136	SPRING (BUTTON)
	28110485	CABINET (SILVER)	47	28322098	BUTTON (SP)
2	27262506	PLATE	48	24504316	SPEED SELECTOR ARM
4	801295	TAPPING SCREW 3STW+8B	49	24504417	CAM
6	24501571	KNOB AS (I.F.C.)	50	831130128	TAP-TIGHT SCREW 3TTW+12B
7	24506243	WAVE WASHER	51	24503113	SPRING
8	24503131	SPRING (I.F.C.)	52	24501528	PU ARM
9	24504271	I.F.C. CAM	52-1	24501321A	SCREW
10	831430088	TAP-TIGHT SCREW 3TTW+8BBC	52-2	24501471	COUNTER WEIGHT
11	24509294	ARM REST AS	52-3	24501354	HEAD SHELL
12	87613008	WASHER W3×8FN	52-4	242983	OC-74M (G/U)
13	871430	SPRING WASHER SW-3 BC	52-5	242984	DN-74ST (G/U)
16	24503166	SPRING (EV)	56	24506787	PLATE (PU)
17	24504321	SHAFT (EL)	57	24509301	ACTUATING ARM AS
18	24504321	ELEVATION PLATE	58	24502244	P.C.B. AS (POWER SUPPLY) (D)
19	24503144	SPRING	58-2	24502244-1	P.C.B. AS (POWER SUPPLY) (G)
20	24505211	COSMETIC SCREW CT2.6+14		24502244-2	P.C.B. AS (POWER SUPPLY) (U)
21	24506661	ACTUATING ARM	58-3	2300176	NPT-948D (D)
22	270555	STEEL BALL	58-4	2300206	NPT-948G (G)
23	24506662	MAIN GEAR AS 2	58-5	2300208	NPT-948BP (U)
23-1	24503032	MAIN GEAR AS	58-6	354754719	470μF 25V
23-2	24506663	CLUTCH	59	24503023	MICRO SWITCH
23-3	24506664	CLUTCH GUIDE	59-5	22380011	SQVB10
23-4	87613008	WASHER W3×8F	59-6	335624730	0.047μF 50V
23-5	891030	STOP RING CS-3		253099C	AC CORD (D)
24	24506537	SCREW	61	253148	AC CORD (G/U)
25	24506220	ACTUATING PLATE AS	62	24502207-1	P.C.B. AS (MOTOR)
26	24503146	SPRING (OPE)	64	5215044	NO8HR5KBC
27	24502163	PLATTER SHAFT	65	5215046	NO8HR50KBC
28	24502164	PLATTER SHAFT BEARING	66	82142614	PAN-HEAD SCREW 2.6P+14FN
29	24502165	PIN	67	260208	SK BINDER
30	24505179-1	LEAD AS (GND)	67	24506517	CORD HOLDER
32	87613006	WASHER FW3.2×6×5	70	831430168	TAP-TIGHT SCREW 3TTW+16B
33	831130108	TAP-TIGHT SCREW 3TTW+10B	70-2	28180080	HINGE (BLACK)
35	24502247	MOTOR AS		28180078	HINGE (SILVER)
35	24506786	CUSHION (MOTOR)	74	24509320	DUST COVER
36	24506788	SCREW M2.6×6×8		24502245	P.C.B. AS (PHONO) (D)
37	24502191	MOTOR PULLEY		24502248	P.C.B. AS (PHONO) (G/U)
38	24502242	MOTOR		24505253	SHIELD WIRE AS (D)
39	834430128	TAP-TIGHT SCREW 3TTTS+12BB		24505254	SHIELD WIRE AS (G/U)
40	24504427	LEAF SWITCH AS	75	27170161A	BOTTOM BOARD
40-1	24504428	LEAF SWITCH	78	27175043	LEG
41	24603306	CUEING LEVER	79	24502158	PLATTER
42	24504402	HOLDER (LEVER)	80	242129B	DRIVER BELT
43	24504416	QUE ROD		24509323	PLATTER MAT (D)
44	28322097	BUTTON (REJ)		24509378	PLATTER MAT (G/U)
45	24503135	SPRING (REJ)	81	25065287	SDKGA4. SWITCH (U)
			82	831430108	3TTW+10B(BC), SCREW (U)
			83	292093	45 RPM ADAPTER
			84	75230	1.6φ TUBE
			85	24509373	CUSHION
			87	79003	1.7φ×28 TUBE

NOTE: [D]: Only 120V model
[G]: Only 220V model
[U]: Only World model
[Q]: Only 240V model
[QB]: Only U.K model
[PX]: Only P.X model

NOTE: THE COMPONENT IDENTIFIED BY MARK  ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PARTS NUMBER SPECIFIED.

EXPLODED VIEW



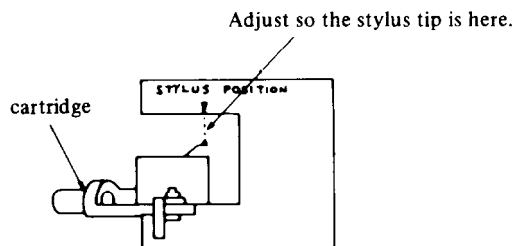
SERVICE PROCEDURES

Instruction resistance measurement

Connect the insulating-resistance tester between the plug of power supply cord and chassis.

Specifications: G/W models 500 V more than 10 MΩ

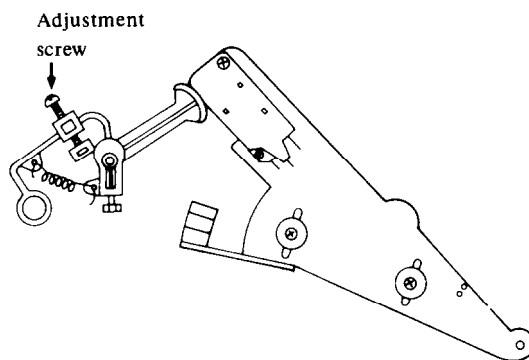
Use the included overhand gauge as shown below, placing the cartridge in the gauge and setting the location of the stylus tip as indicated.



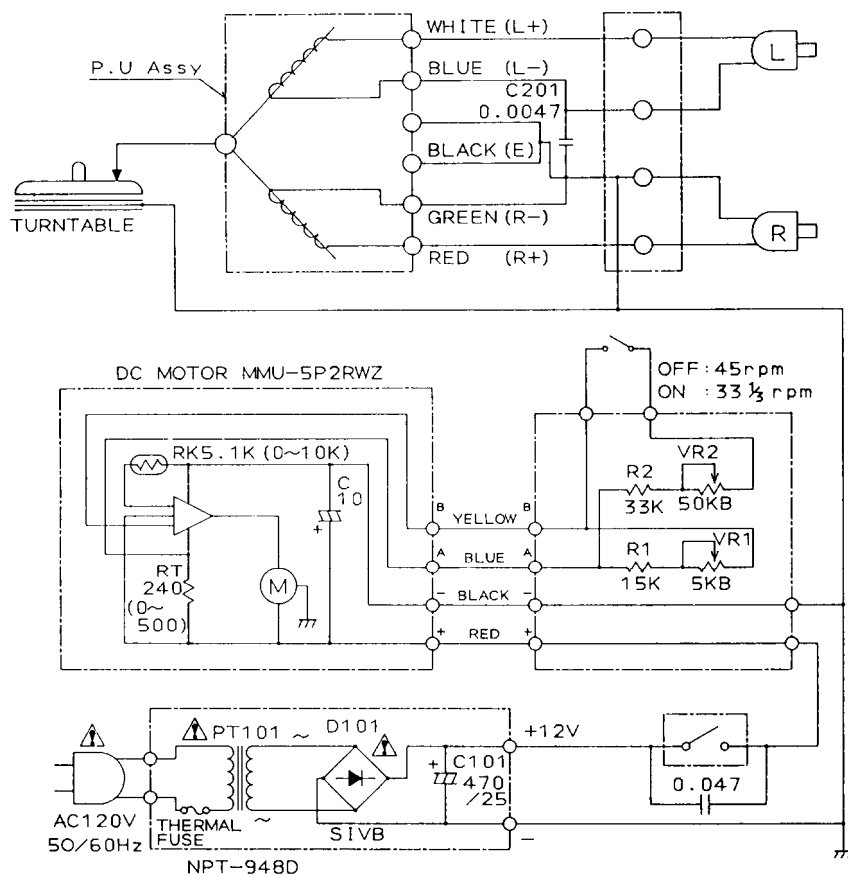
ADJUSTMENT PROCEDURES

Automatic shut-off position adjustment

Adjust the shut-off position with the fine adjustment screw. After the adjustment, apply lock-tite to the screw. To adjust the shut-off position for earlier, turn the screw counter-clockwise. To adjust the shut-off position for later, turn the screw clockwise.



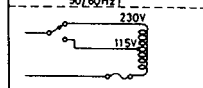
CONNECTION DIAGRAM



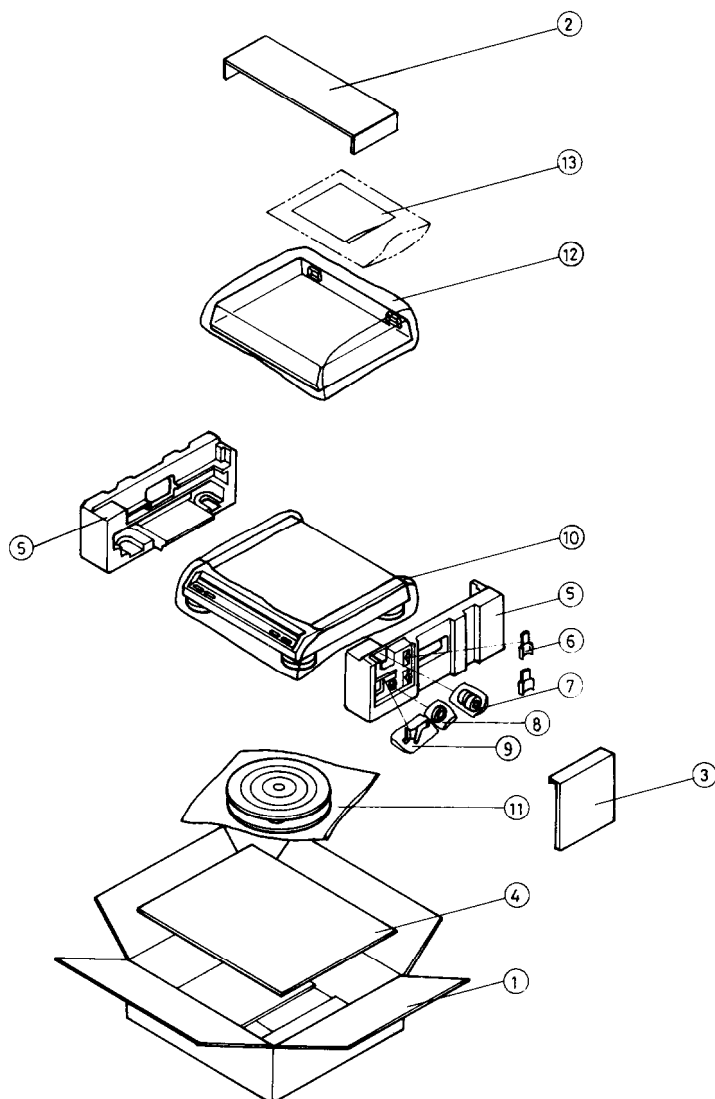
NOTES

POWER	PT101
AC120V 50/60Hz	NPT-948D
AC220V 50Hz	NPT-948G
AC240V 50Hz	NPT-948Q
AC110/120/220/240V 50/60Hz	NPT-948BP

- ALL RESISTORS ARE IN OHMS 1/4 WATT UNLESS OTHERWISE NOTED.
- ALL CAPASITORS ARE IN μF 50V UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPASITORS(=##) ARE IN μF/WV.
- VOLTAGE (MEASURED WITH V.T.V.M.) (NO INPUT SIGNAL).
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.



PACKING VIEW



REF. NO.	PART NO.	DESCRIPTION
1	29051866	Master carton box (Black model)
	29051867	Master carton box (Silver model)
2	24509374	Pad sheet (UP)
3	24509372	Pad sheet
4	24509370	Pad sheet (Bottom)
5	29090822	Pad(L)+Pad(R)
6	28180080	Hinge (Black model)
	28180078	Hinge (Silver model)
7	24501471	Main weight
8	292049A	45 rpm adapter
9	24501330	Cartridge attachment parts ass'y
	24501354	Headshell
	29100002	70×120mm, Poly-vinyl bag for 7, 8 and 9
10	29095012-1	500×800, Protection sheet
11	24509323	T.T Mat (D)
	24509378	T.T Mat (G/U)
	24502158	Turntable platter
	29100046	370×470, Poly bag
12	24509320	Dust cover
	29100050	Protection sheet
13		Accessory bag complete

120V model

29341370	Instruction manual
24509197	Overhang gauge
29365019	Warranty card (Only USA model)
29358002G	Service station list (Only USA model)
29100006A	250×350 Poly bag

220V model

29341371	Instruction manual
29365020A	Warranty card (Only West Germany model)
29100094	Poly bag
2910006A	250×350 Poly bag

Universal model

29341371	Instruction manual
25055040	CVK-2, Conversion plug
29100006A	250×350 Poly bag
29365022	Warranty card (UQB)

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