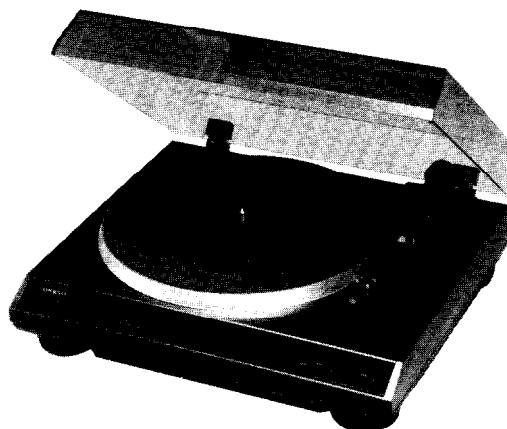


ONKYO SERVICE MANUAL

AUTOMATIC RETURN TURNTABLE MODEL CP-1116A



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  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
Power Supply:	AC 120V, 60Hz
Dimensions (W x H x D):	418mm x 132mm x 374mm 16-1/2" x 5-1/6" x 14-6/8"
Weight:	3.8kg (8.4lbs.)

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

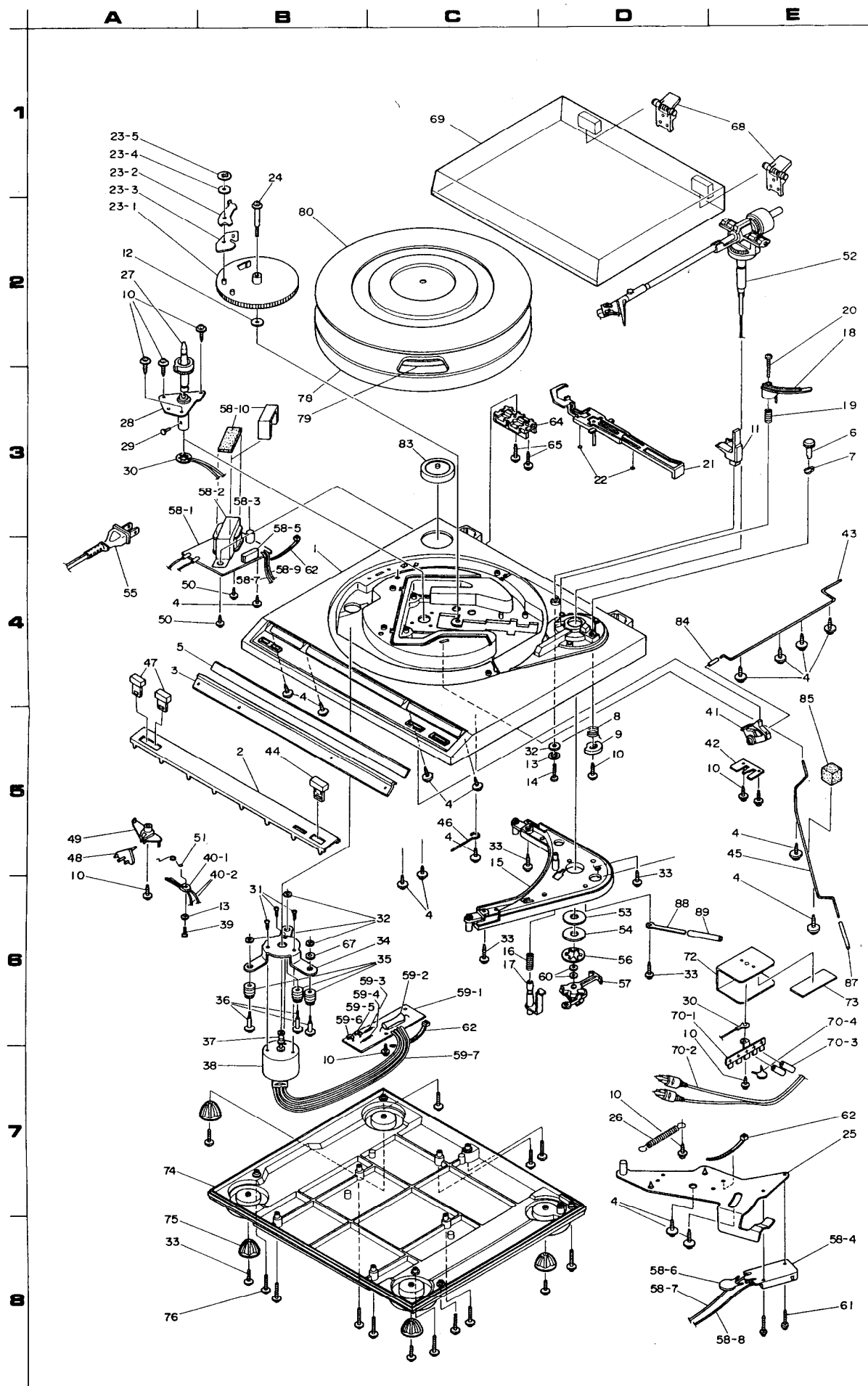
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Note:

- (D) : Only 120V model
- (G) : Only 220 V model
- (U) : Only Universal model
- (B) : Only black model
- (S) : Only Silver model
- (Q) : Only 240V model

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

EXPLODED VIEW



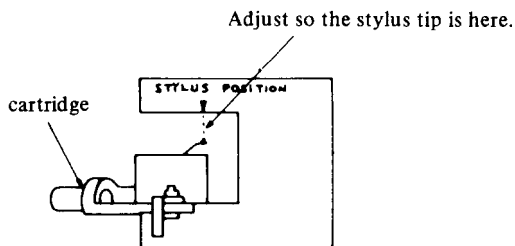
SERVICE PROCEDURES

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

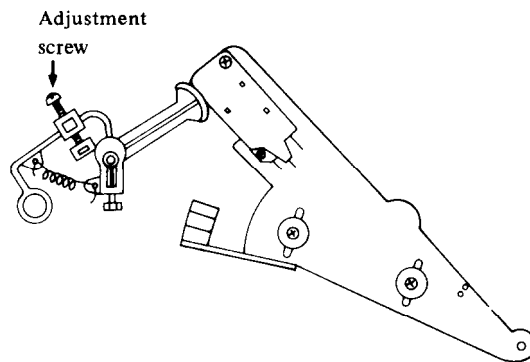
Use the included overhand gauge as shown below, placing the cartridge in the gauge and setting the location of the stylus tip as indicated.



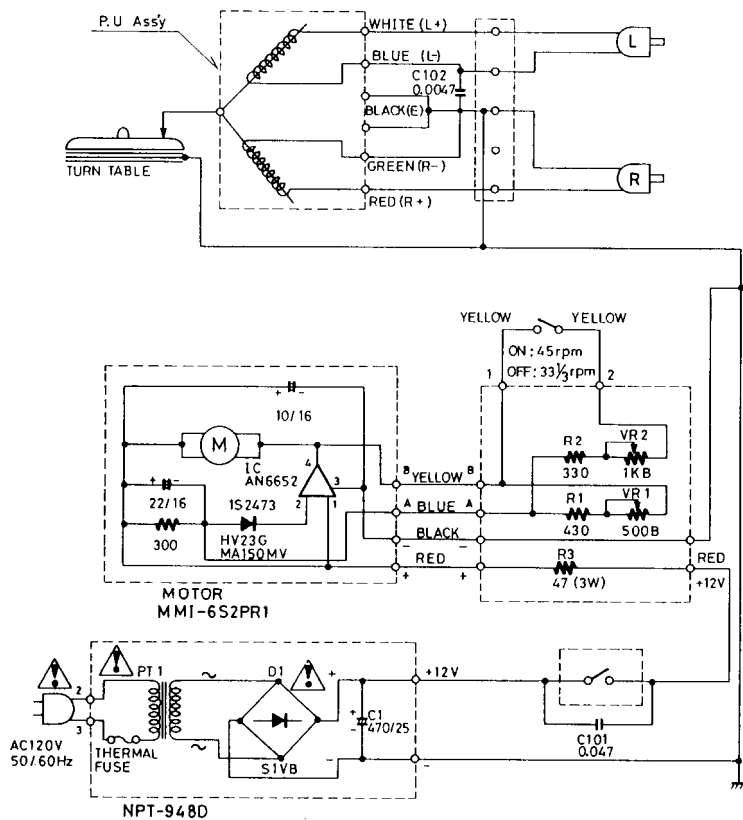
ADJUSTMENT PROCEDURES

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 counterclockwise. To adjust the shut-off position for later, turn the screw clockwise.



CONNECTION DIAGRAM

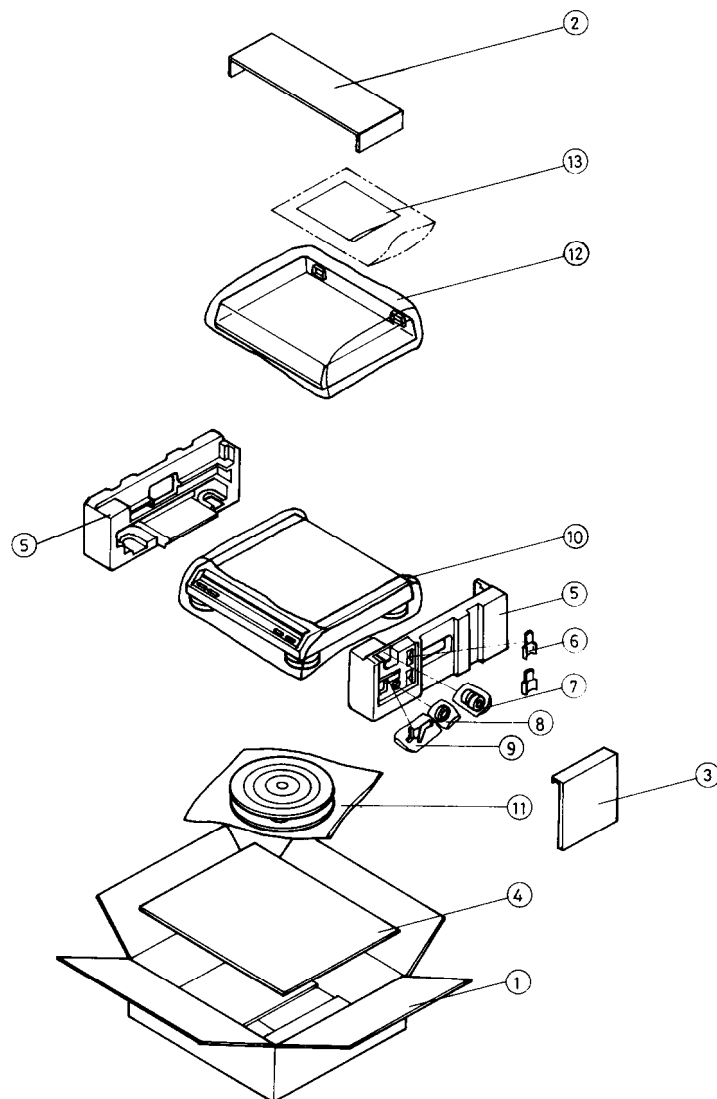


NOTES

POWER	PT1
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 CAPACITORS ARE IN μF 50 WV UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (=~~HT~~) 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	29051474	Master carton box (Black model)
	29051477	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 adaptor
9	24501330	Cartridge attachment parts ass'y
	24501354	Headshell (Only 120V model)
	29100002	70×120mm, Poly-vinyl bag for 7, 8 and 9
10	29095152-1	500X800, Protection sheet
11	24509323	T.T Mat
	24502158	Turntable platter
	29100046	370×470, Poly bag
12	24509320	Dust cover
	29100050	Protection sheet
13		Accessory bag complete
120V model		
	29341123	Instruction manual
	24509197	Overhang gauge
	29365019	Warranty card (Only USA model)
	29358002E	Service station list (Only USA model)
	29100006A	250×350 Poly bag
220V model		
	29341124	Instruction manual
	29341162	Instruction manual (I) (Only G model)
	29365020	Warranty card (Only West Germany model)
	29100094	Poly bag
	29100006A	250×350 Poly bag
Universal model		
	29341124	Instruction manual
	29341162	Instruction manual (I)
	25055040	CVK-2, Conversion plug
	29100006A	250×350 Poly bag

ONKYO CORPORATION

International Division: No. 24 Mori Bldg., 23-5, Nishi-Shimbashi 3-chome, Minato-ku,
TOKYO 105, JAPAN Tel: 03-432-6987 Fax: 03-436-6979 TLX: 242-3551 ONKYO J

ONKYO U.S.A. CORPORATION

200 Williams Drive, Ramsey, N.J. 07446, U.S.A. Tel: 201-825-7950 Fax: 201-825-8150

ONKYO DEUTSCHLAND GMBH ELECTRONICS

Industriestrasse 20, 8034 Germering, WEST GERMANY
Tel: 089 84 93 20 Fax: 089 84 93 226 TLX: 05-21726 ONKY D