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SERVICE
MANUAL

TT483

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4822 725 50856

marantz®

model **TT483**

Turntable

MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, MARANTZ company has created the ultimate in stereo sound.

Only **original MARANTZ parts** can insure that your MARANTZ product will continue to perform to the specifications for which it is famous.

Parts for your MARANTZ equipment are generally available to our National Marantz Subsidiary or Agent.

ORDERING PARTS:

Parts can be ordered either by mail or by telex. In both cases, correct part number has to be specified. The following information must be supplied to eliminate delays in processing your order:

1. Complete address
2. Complete part numbers and quantities required
3. Description of parts
4. Model number for which part is required
5. Way of shipment
6. Signature: any order form or telex must be signed otherwise such part order will be considered as null and void.

PARTS ORDERING

Parts may be ordered at the following addresses:

AUSTRIA
HORNYPHON
Vertriebsgesellschaft GmbH
Wienerbergstrasse 1
A 1101 Wien
Austria
Telex: 132.332

BELGIUM
SVD DIVISION MARANTZ
Industrialaan 1
1720 Groot-Bijgaarden
Belgium
Telex: 24466

CHILE
MARANTZ
DIVISION OF PHILIPS S.A.
AV. Santa Maria, 0760
Casilla 2687
Santiago
Telex: 240.239

DENMARK
MARANTZ
DIVISION OF PHILIPS
SERVICE A/S
Prags Boulevard 80
Postbox 1919
DK-2300 København S
Denmark
Telex: 31201

FINLAND
MARANTZ
DIVISION OF OY PHILIPS Ab
Kaivokatu 8
00100 Helsinki
Finland
Telex: 124811

FRANCE
MARANTZ FRANCE
4 Rue Bernard Palissy
92600 Asnières
France
Telex: 611651

GERMANY
MARANTZ GERMANY GmbH
Max-Planck-Strasse 22
6072 Dreieich 1
Germany
Telex: 529821

THE NETHERLANDS
Elpro Marantz
Wint Hontlaan 28
3526 KV Utrecht
The Netherlands
Telex: 4748

NORWAY
MARANTZ
DIVISION OF PHILIPS A/S
Sandstuveien 40
0680 Oslo 6
Norway
Telex: 72640

GREAT BRITAIN
MARANTZ AUDIO U.K. Ltd
Unit 15/16
Saxon Way Industrial Estate
Moor Lane
Harmondsworth UB7 OLW
Great Britain
Telex: 935196

GREECE
SHERTON ELECTRONICS S.A.
P.O.Box 21025
Hippocrates Street 188
Athens 11471
Greece
Telex: 216.795

JAPAN
MARANTZ JAPAN, Inc.
35-1, 7-chome, Sagamiono
Sagamihara-shi, Kanagawa
Japan

KUWAIT
AL ALAMIAH ELECTRONICS
Ussama Building
Fahd al Saleem Street
P.O.Box 23781
Safat-Kuwait
Telex: 22694

ITALY
MARANTZ ITALIANA S.P.A.
Via Chiese, 74
20126 Milano
Italy

SAUDI ARABIA
AL ALAMIAH ELECTRONICS
P.O.Box 5954
University Street
Riyadh 11432
Saudi Arabia
Telex: 401530

SOUTH AFRICA
MARANTZ
DIVISION OF PHILIPS S.A.
Main Road Martindale
P.O. Box. 58088
Newville 21114
South Africa

SPAIN
PHONO S.A.
Ignacio Iglesias 10
Badalona (Barcelona)
Spain
Telex: 59355

SWEDEN
MARANTZ
DIVISION OF PHILIPS
Försäljning AB
Tegeluddsvägen 1
S-115 84 Stockholm
Sweden
Telex: 14060

SWITZERLAND
DYNAVOX ELECTRONICS
Route de Villars 105
1701 Fribourg
Switzerland
Telex: 942377

TURKEY
DOGRUOL Ltd.
I.M.C.
6 Blok N°6310
Unkapani
Istanbul
Turkey
Telex: 22085

MALTA
CACHIA & GALEA
Republic Street, 68D
Valetta
Telex: 1682

PORTUGAL
MARANTZ
Divisao philips S.A. service
Ourela-carnaxide
2795 LinDA-A-VELHA
Telex: 43906

TECHNICAL ASSISTANCE

Should you require any other technical support, do not hesitate to contact the Technical Department of MARANTZ INTERNATIONAL Quality & Service Dept.

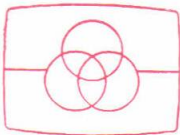
Vestdijk 9
5600 MD Eindhoven
The Netherlands
Phone: +31/40.75.88.91 or 75.88.78 or 75.89.01
Telefax: +31/40.75.82.99
Telex: 35000 PHTC NL routing IND NLMTFAT

All of the above locations are fully equipped to take care of your total service needs. Because various countries have differing configuration requirements, it is necessary that you contact the service facility in your particular country. In the event that there is no service location listed for your country, please, contact the nearest facility for the necessary assistance.

In case of difficulties, do not hesitate to contact the Technical Department at abovementioned address.

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FEATURES

Automatic-return Belt Drive Turntable

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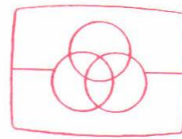
SPECIFICATIONS (Limit)

TURNTABLE			
Motor	DC Servo motor	Output voltage	2.5 mV ± 4 dB at 1kHz 3.54 cm/sec.
Speed	33-1/3 and 45 r.p.m.	Channel balance	Within 3 dB at 1kHz
Wow & Flutter	± 0.15 % (WRMS)	Channel separation	More than 18 dB at 1kHz
Rumble	57 dB DIN-B	Load resistance	47 KΩ
Turntable platter	296 mm aluminum alloy die-cast	Weight	6 g
TONEARM			
Effective length	195 mm	OPERATION	Automatic return, automatic shaft off, stop
Usable cartridge	Universal, P-mount type	Cueing	Oil-damped
CARTRIDGE			
Type	P-mount system, with 0.6 mil stylus	GENERAL	
	Moving Magnet type	Power consumption	1.5 watts
Frequency response	20-20,000 Hz	Dimensions	360(w) × 102(h) × 350(d) mm
		Weight	2.6 kg(net)

NOTE: Nominal Specs represent the design specs; all units should be able to approximate these-some will exceed and some may drop slightly below these specs. Limit Specs represent the absolute worst condition which still might be considered acceptable; in no case should a unit perform to less than within any Limit Spec.

Lubrication of the mechanism is not required. However, whenever a unit is brought in for adjustment or repair, always use good common sense ... clean any dust or dirt from mechanical parts and if moving parts do seem to bind, check for dirt. If necessary, add a very fine film of light-weight specially formulated lubricant.

Specifications and appearance are subject to change for modification without notice.

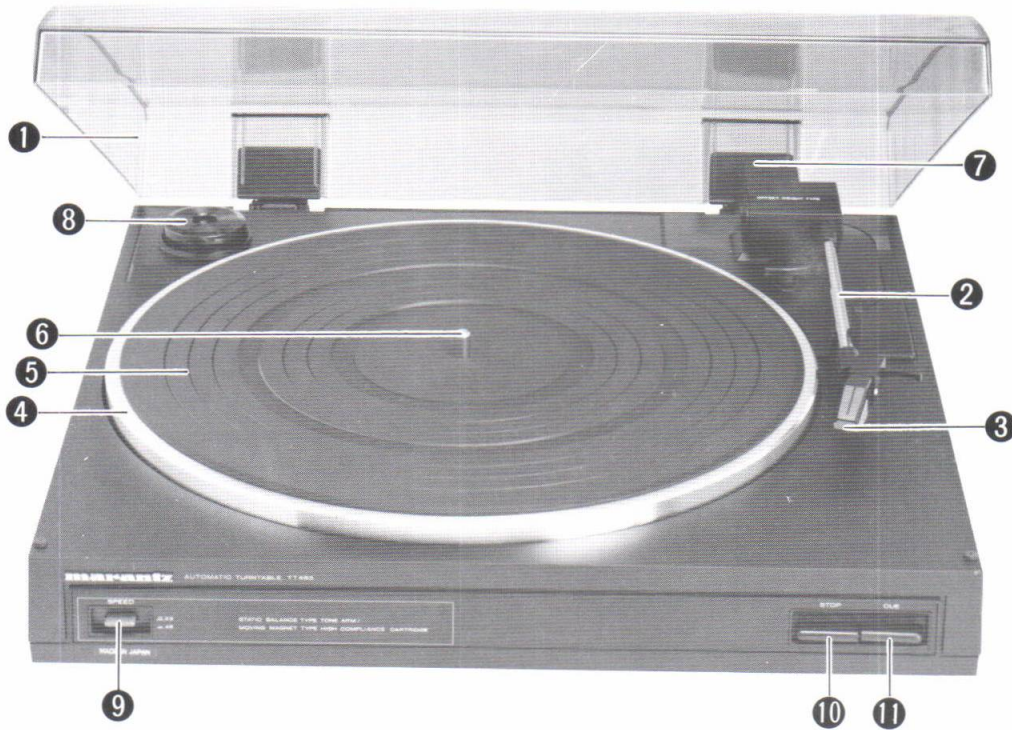


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DESIGNATION OF PARTS

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- (1) Dust cover
- (2) Tonearm
- (3) Cartridge
- (4) Turntable platter
- (5) Turntable platter mat
- (6) Turntable shaft
- (7) Hinge
- (8) 45 rpm adapter
- (9) SPEED selector
- (10) STOP button
- (11) CUE button

1. DISASSEMBLY INSTRUCTIONS

- (A) Remove the Dust Cover (11) and fix the Tonearm (40-1) to the arm rest.
- (B) Remove the Turntable Sheet (24), and the Belt (36) from the Pulley. Then remove the Turntable Platter (39).
- (C) Remove the four Screws (202) on the Bottom Ass'y (16A), then remove the Bottom Ass'y (16A).

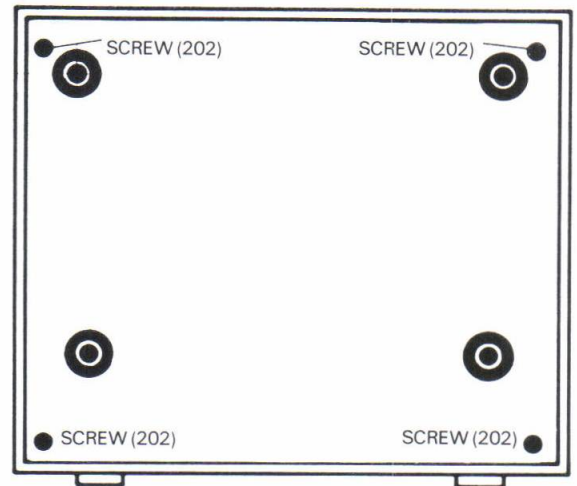


Fig. 1

2. ADJUSTMENTS

(A) AUTO-RETURN

1. Set the Tonearm (40-1) at the cueing up position.
2. By turning the Screw (206), adjust the Arm (28) so that the Cam (26) is hooked by the Shaft (37) when the stylus is at the position R-61.5~62mm from the center of the Shaft (37).
3. Check the Tonearm (40-1) returns after music Play.

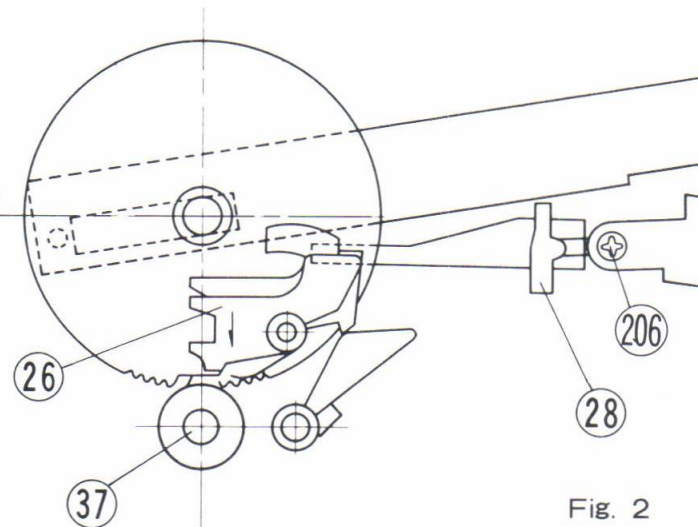


Fig. 2

(B) ROTATION SPEED

1. Select "45" rpm by the SPEED Button (5).
2. Adjust speed by turning the Trimming Resistor (VR102) through the hole (A) on the Bottom Ass'y (16A).
3. Select "33" rpm by the SPEED Button (5).
4. Adjust speed by turning Trimming Resistor (VR101) through the hole (B) on the Bottom Ass'y (16A).

NOTE: Adjust for "45" rpm first. and then "33" rpm next.

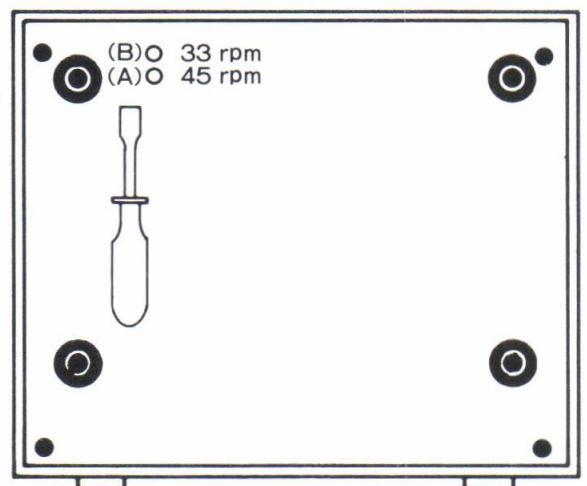
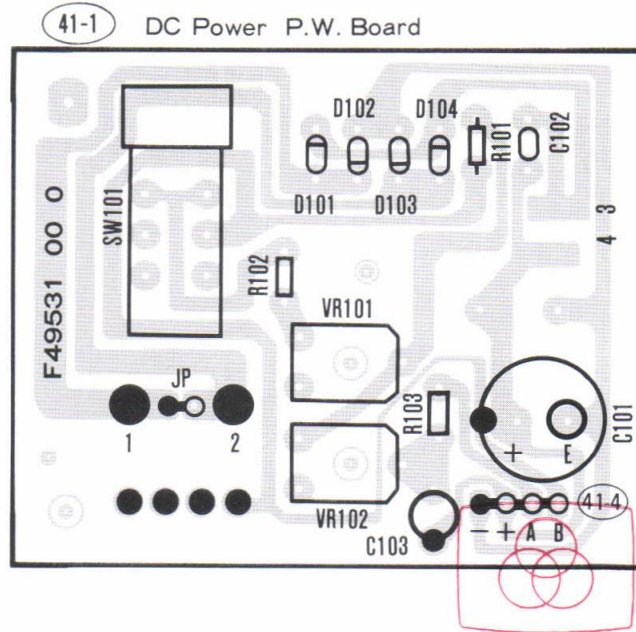


Fig. 3

3. PRINTED WIRING BOARD

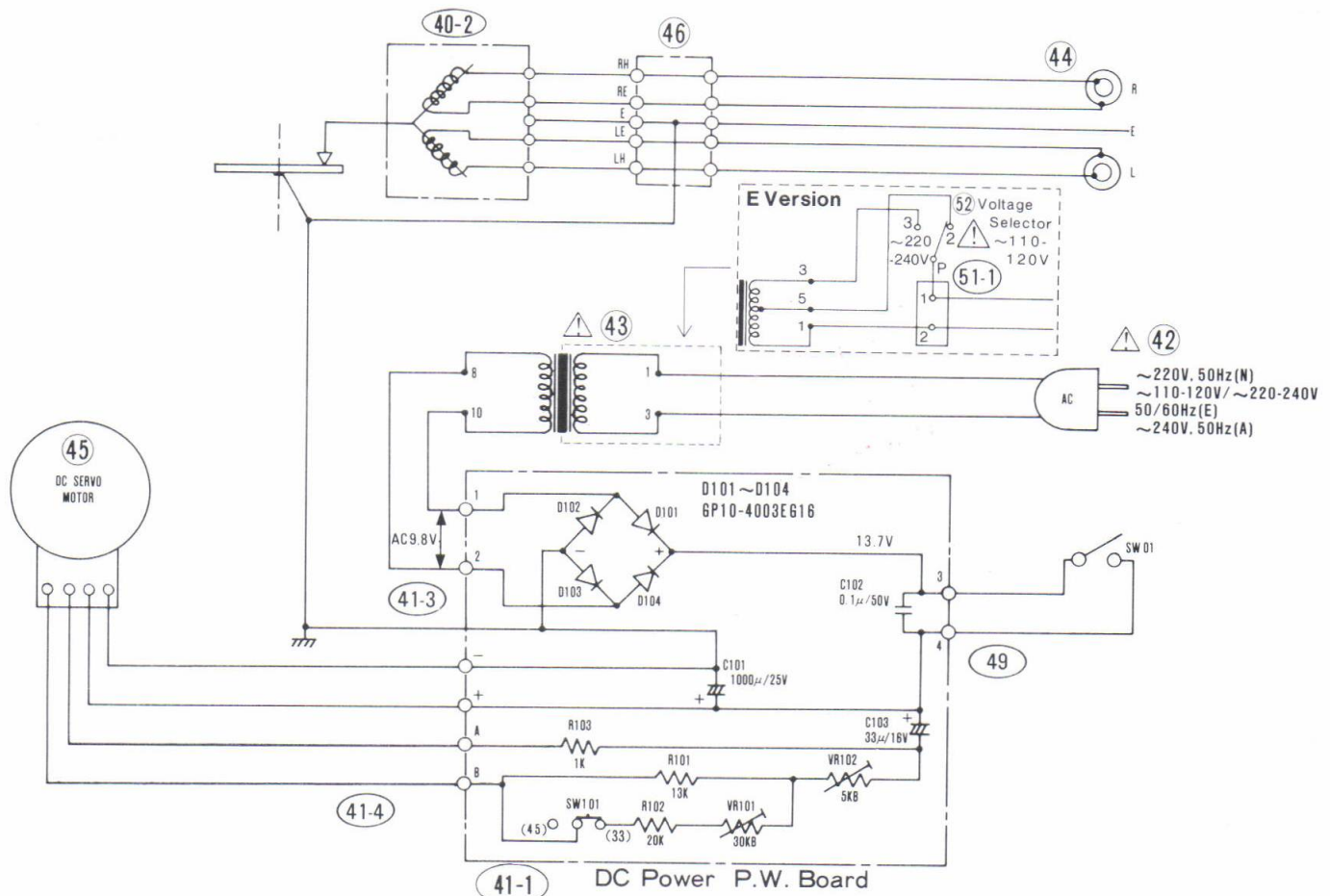


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4. SCHEMATIC DIAGRAM

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Components and wiring are subject to change for modification without notice.

To service personnel
Make sure that only replacement parts recommended by the manufacturer should be used when the parts marked "⚠" in schematic diagram are exchanged.

Never fail to make leakage-current or resistance measurements before returning the appliance to the customer so as to make sure that exposed parts are acceptably insulated from the supply circuit.

6. PARTS LIST

N: for Europe
E: for Europe
A: for Australia

REF. DESIG.	PART NO.	DESCRIPTION	
1	4822 444 10146	Cabinet	
2	4822 450 61245	Window, Front	
3	4822 410 26568	Button, Stop	
4	4822 410 26569	Button, Cue	
5	4822 410 26561	Button, Speed	
6	4822 535 70979	Spacer	
7	4822 403 40263	Arm, Cue	
8	4822 402 50256	Lever, Cue	
9	4822 535 92495	Rod, Cue	
10	4822 535 92496	Rod, Stop	
11	4822 444 60557	Dust Cover	
12	4822 462 71515	Buffer, Dust Cover	
13	4822 417 11007	Hinge Ass'y	
16A	4822 444 60577	Lid Ass'y	
17	4822 466 61313	Cushion, Motor	
20	4822 403 10274	Arm	
21	4822 276 11637	Push Switch	
22	4822 492 42254	Spring	
23	4822 528 90687	Rec. Adaptor	
24	4822 466 50206	Sheet, Turntable	
25	4822 522 32296	Gear	
26	4822 402 61084	Cam	
27	4822 402 61085	Cam	
28	4822 402 61171	Arm	
29	4822 402 61173	Bracket, Pick up	
30	4822 402 61206	Lever Ass'y	
32	4822 404 20972	Lever	
34	4822 492 42255	Spring	
35	4822 402 61172	Arm, Lifter	
36	4822 358 30758	Belt, Turntable	
37	4822 535 92494	Shaft, Turntable	
38	4822 492 42256	Spring	
39	4822 528 10697	Turntable	
40-1	4822 251 70306	Tonearm	
40-2	4822 251 11013	Cartridge, CT185	
40-3	4822 251 30137	Stylus, CTS185	
40-4	4822 462 71523	Retainer, Stylus	
40-5	4822 502 13055	Screw, Cartridge	
DC POWER CIRCUIT BOARD			
SW101	4822 276 12381	Push Switch	
41-4	4822 323 10088	Jumper Lead, 4P	
D101	4822 130 80693	Diode, GP10-4003EG16	
D102	4822 130 80693	Diode, GP10-4003EG16	
D103	4822 130 80693	Diode, GP10-4003EG16	
D104	4822 130 80693	Diode, GP10-4003EG16	
VR101	4822 100 20198	30KΩ Trimming	
VR102	4822 100 10627	5KΩ Trimming	
△ 42	4822 321 10435	AC Power Cord	N
△ 42	4822 321 10436	AC Power Cord	E

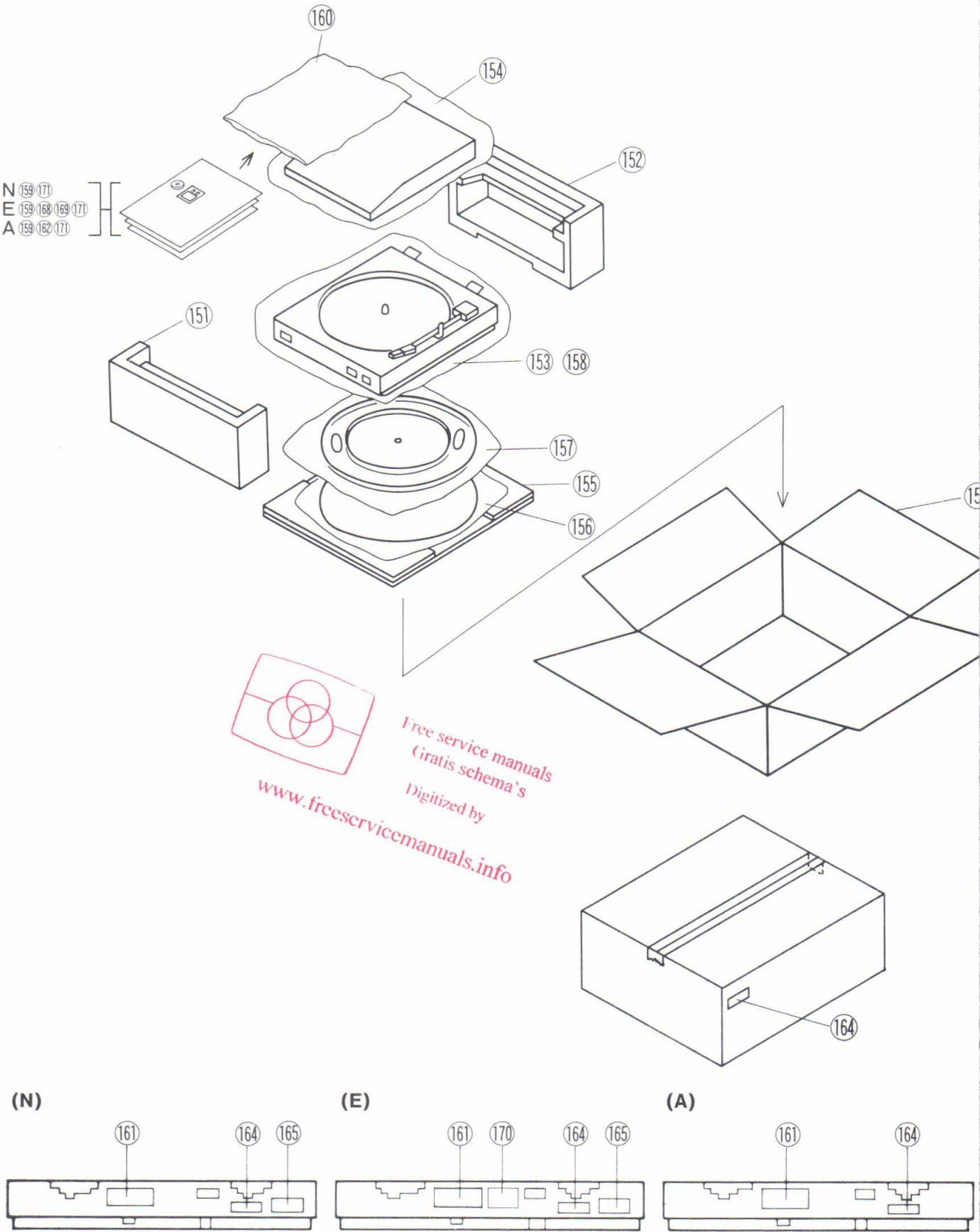
REF. DESIG.	PART NO.	DESCRIPTION	
△ 43	4822 146 21319	Power Transformer	N, A
△ 43	4822 146 30711	Power Transformer	E
44	4822 321 21537	Connective Cord	
45	4822 361 21101	Phono Motor	
49	4822 323 10072	Jumper Lead, 2P	
SW01	4822 276 12379	Mini Switch	
△ 52	4822 266 30212	Voltage Selector	E
159	4822 736 13976	User's Manual	
168	4822 265 10089	AC Adaptor	E
201	4822 502 12231	Screw, 3×10	
202	4822 502 12232	Screw, 3×12	
203	4822 502 12875	Screw, 3×10	
204	4822 532 21181	Washer, 3.2×8×0.5	
205	4822 532 11644	Washer, 3.2×10×0.5	
206	4822 502 13056	Screw, 3×12	
207	4822 532 11645	Washer, 4.2×10×0.5	
208	4822 530 80311	RG Ring CS, 3	
209	4822 532 11527	T.L. Washer, 4mm	
210	4822 505 10904	Hexagon Nut, M4	
211	4822 502 12876	Screw	

(W01-99)	Assembly and Wiring
(T01-99)	Adjustment
(X01-00)	Correction

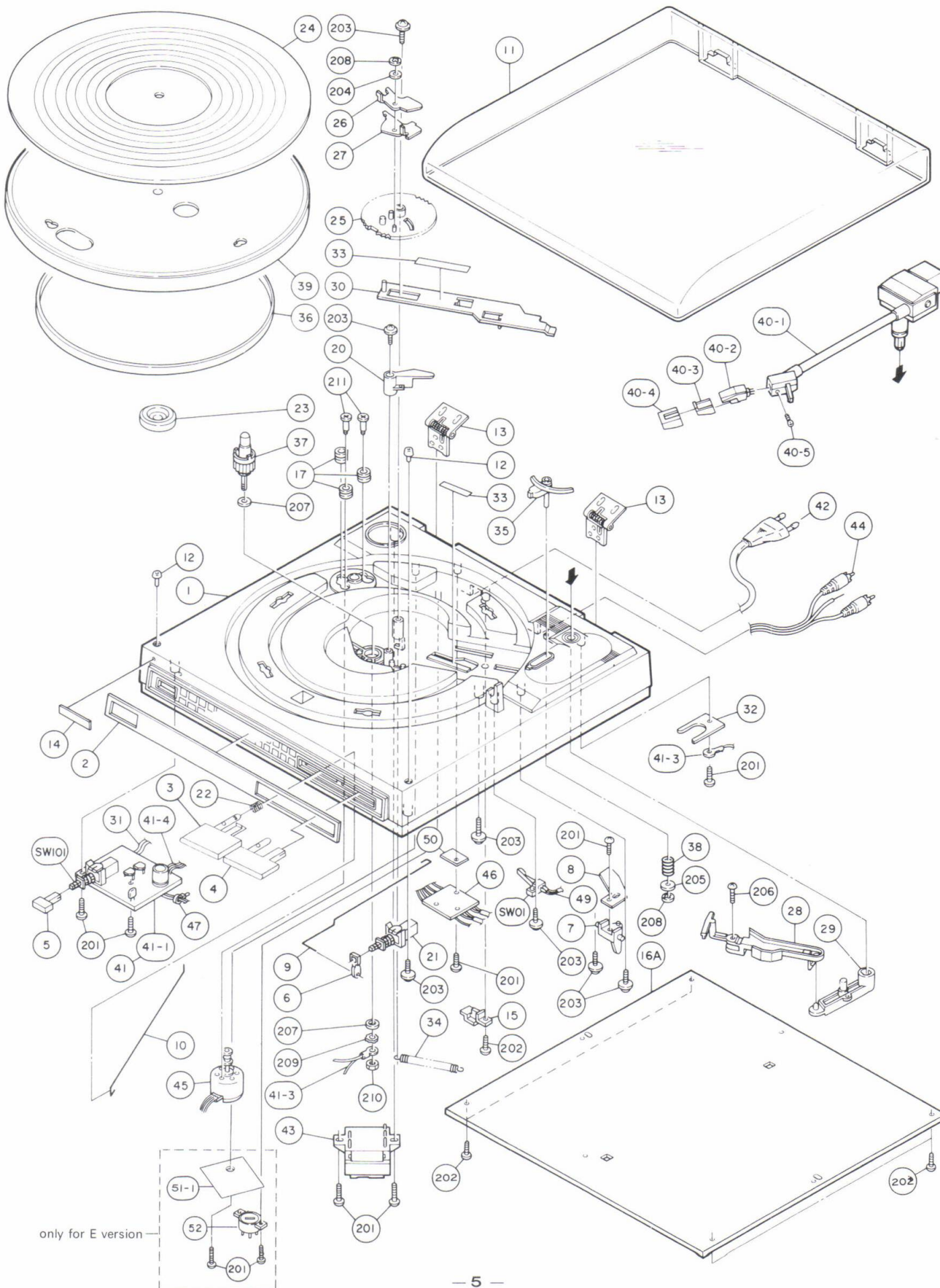
To service personnel
Make sure that only replacement parts recommended by the manufacturer should be used when the parts marked "△" in schematic diagram are exchanged.
Never fail to make leakage-current or resistance measurements before returning the appliance to the customer so as to make sure that exposed parts are acceptably insulated from the supply circuit.



7. (H01-99) PACKING MATERIALS



5. (C01-99) EXPLODED VIEW





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