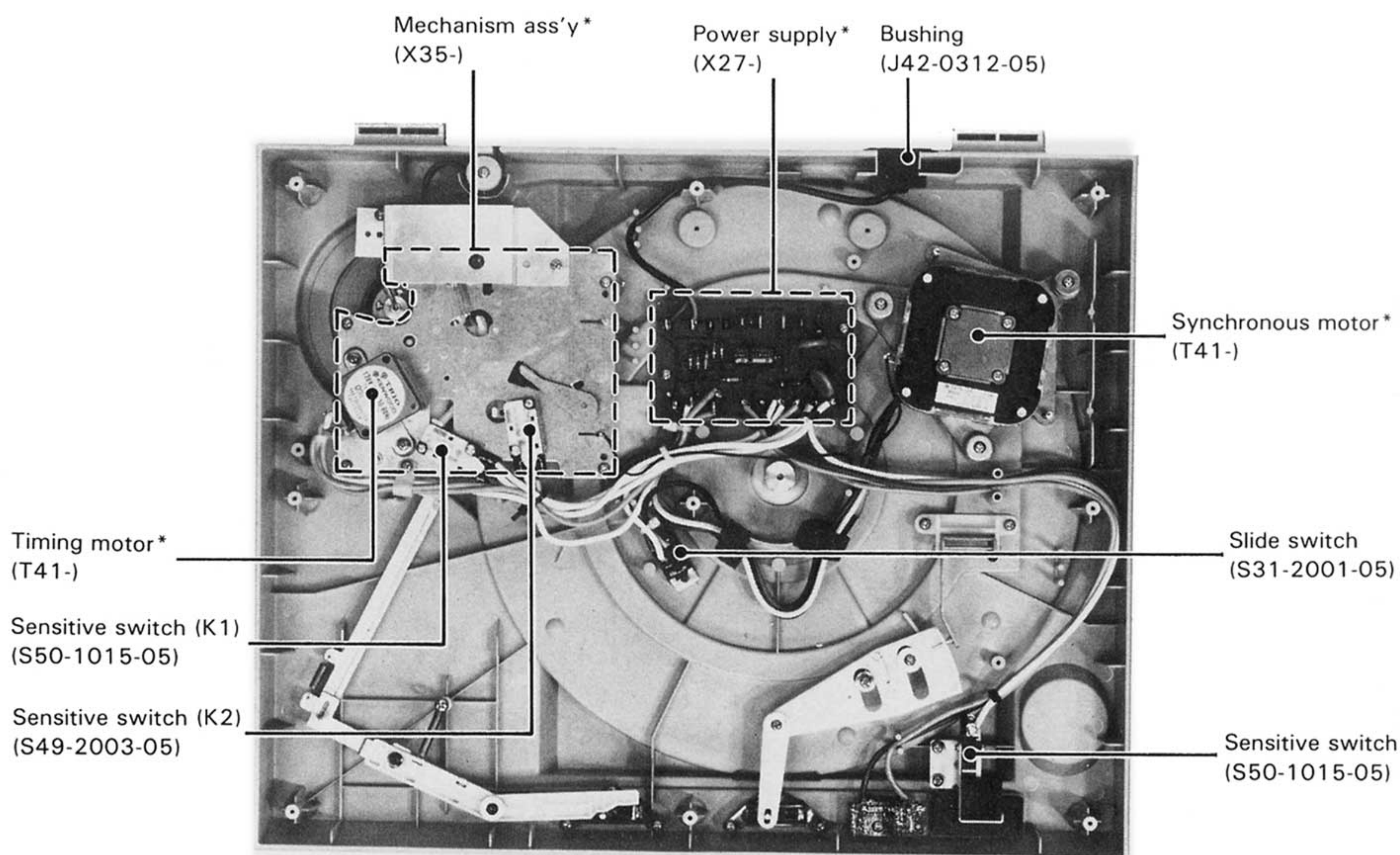
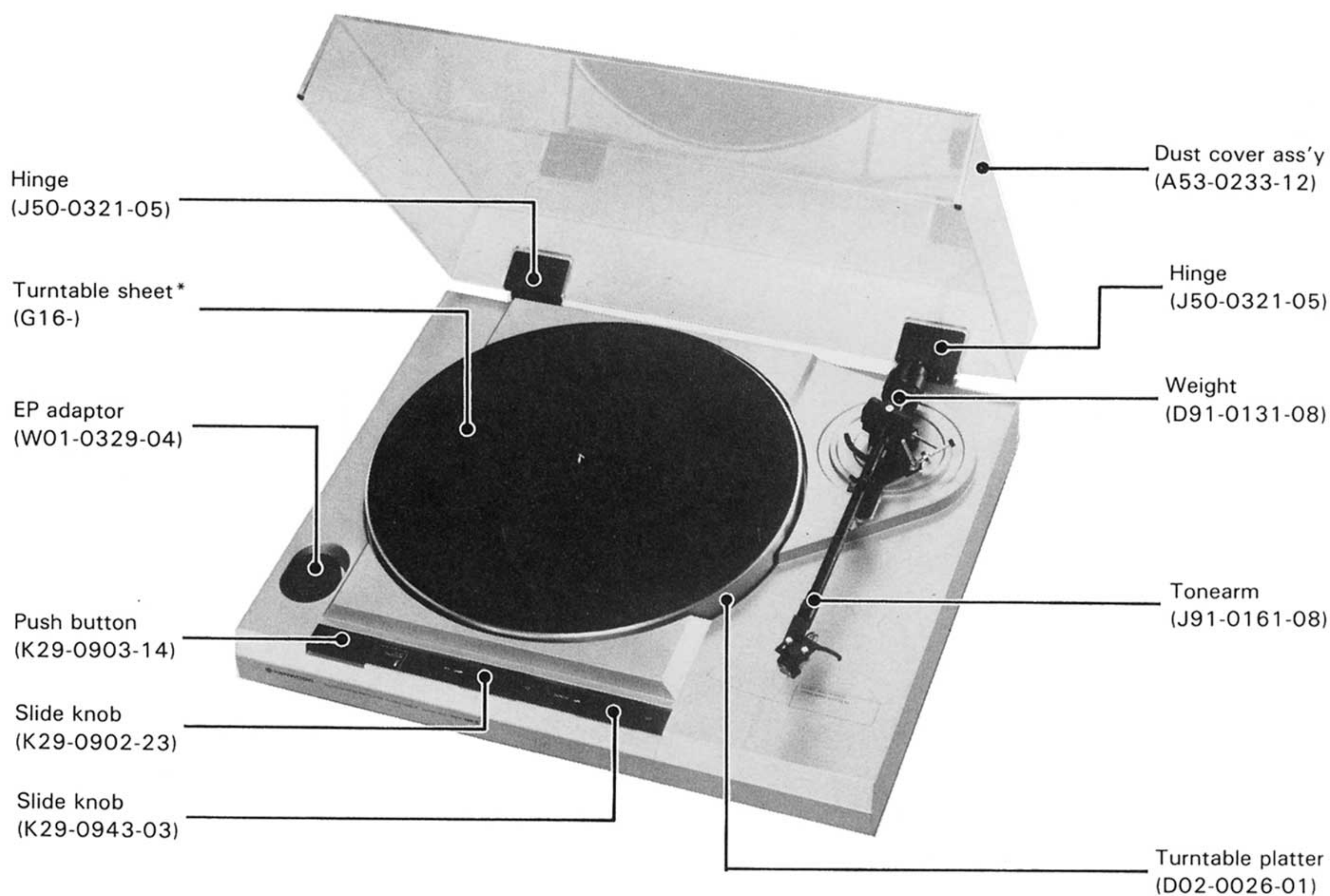




# KENWOOD® KD-1600 MK II

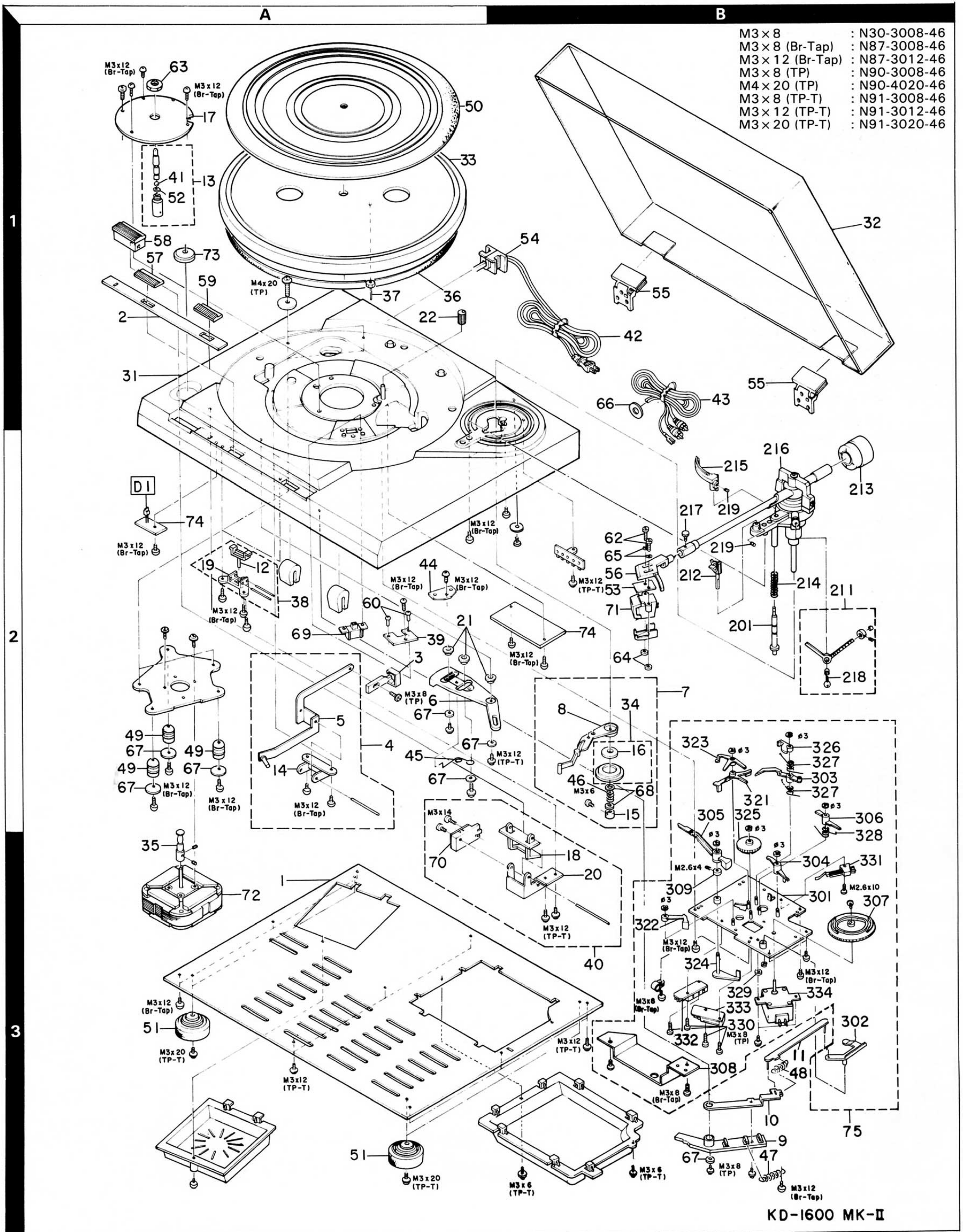
## AUTOMATIC RETURN TURNTABLE



\* Refer to Parts List on page 3.

# SERVICE MANUAL

# EXPLODED VIEW



M3 x 8	: N30-3008-46
M3 x 8 (Br-Tap)	: N87-3008-46
M3 x 12 (Br-Tap)	: N87-3012-46
M3 x 8 (TP)	: N90-3008-46
M4 x 20 (TP)	: N90-4020-46
M3 x 8 (TP-T)	: N91-3008-46
M3 x 12 (TP-T)	: N91-3012-46
M3 x 20 (TP-T)	: N91-3020-46

KD-1600 MK-II

# PARTS LIST

Ref. No. 参照番号	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
<b>KD-1600 MKII UNIT</b>			
1	3A	-	
2	1A	-	
3	2A	-	
4	2A	-	
5	2A	-	
6	2A	-	
7	2B	-	
8	2B	-	
9	3B	-	
10	3B	-	
11	3B	-	
12	2A	-	
13	1A	-	
14	2A	-	
15	2B	-	
16	2B	-	
17	1A	-	
18	3B	-	
19	2A	-	
20	3B	-	
21	2A	-	
22	1A	-	
31	1A	A02-0355-05	*K
31	1A	A02-0355-05	PU
31	1A	A02-0355-05	MX
31	1A	A02-0355-05	E
31	1A	A02-0356-05	*T
31	1A	A02-0356-05	T
32	1B	A53-0233-12	
-		B46-0055-30	P
-		B46-0060-00	T
-		B46-0061-30	K
-		B46-0062-30	U
-		B46-0063-13	U
-		B46-0064-20	X
-		B50-2483-00	*K
-		B50-2483-00	PU
-		B50-2483-00	MX
-		B50-2484-00	*P
-		B50-2484-00	MX
-		B50-2485-00	*E
-		B50-2486-00	*T
-		B50-2486-00	T
-		B50-2487-00	*M
-		B59-0018-00	U
-		B59-0020-04	KU
-		B59-0020-04	XE
-		B59-0020-04	T
-		D32-0080-24	UM
-		D32-0080-24	XE
33	1A	D02-0026-01	
34	2B	D14-0234-04	
35	3A	D15-0162-04	UM
35	3A	D15-0162-04	XE
35	3A	D15-0162-04	T
35	3A	D15-0163-04	KP
35	3A	D15-0163-04	UM
35	3A	D15-0163-04	XE
36	1A	D16-0057-03	

Ref. No. 参照番号	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
37	1A	D19-0032-04	
38	2A	D19-0238-24	
39	2A	D32-0080-24	UM
39	2A	D32-0080-24	XE
40	3A,3B	D40-0494-24	
41	1A	D90-0001-04	
42	1B	E30-0181-05	KP
42	1B	E30-0459-05	E
42	1B	E30-0587-15	T
42	1B	E30-1317-15	UM
42	1B	E30-1341-05	X
43	1B	E30-1332-05	
44	2A	F07-0610-04	KP
44	2A	F07-0610-04	T
F1	2	F06-5014-05	K
F1		F06-5014-05	P
45	2A	G01-1036-04	
46	2B	G01-1060-04	
47	3B	G01-1119-04	*
48	3B	G01-1120-04	*
49	2A	G13-0445-04	
50	1A	G16-0324-03	K
50	1A	G16-0337-03	PU
50	1A	G16-0337-03	MX
50	1A	G16-0337-03	E
50	1A	G16-0337-03	T
-		H01-2478-04	*
-		H10-2271-03	
-		H10-2272-03	
-		H10-2278-02	
-		H12-0384-02	
-		H20-1106-04	KP
-		H20-1106-04	UX
-		H20-1106-04	E
-		H20-1106-04	T
-		H25-0029-04	
-		H25-0078-04	
51	3A	J02-0329-05	
52	1A	J09-0115-24	
53	2B	J30-0412-04	T
54	1A	J42-0312-05	
55	1B	J50-0321-05	
56	2B	J92-0066-15	KT
56	2B	J92-0067-15	
57	1A	K29-0902-23	
58	1A	K29-0903-14	
59	1A	K29-0943-03	*
60	2A	N09-0167-05	E
61	1A	N09-0256-05	
62	2B	N09-0817-08	PU
62	2B	N09-0817-08	MX
62	2B	N09-0817-08	E
62	2B	N09-0850-04	KT
62	2B	N09-0851-04	KT
62	2B	N09-0860-05	T
63	1A	N14-0048-14	
64	2B	N14-0108-05	PU
64	2B	N14-0108-05	MX
64	2B	N14-0108-05	E

See last page, "World Map & Area Code", for codes used in Remarks column.

T is KD-1600 MKII C.

# PARTS LIST

Ref. No. 参照番号	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考	Ref. No. 参照番号	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考	
64 2B	N14-0405-05	NUT M2.6	T	D2	V11-0076-05	1S1555 OR		
64 2B	N14-0412-04	NUT M2.6	KT	D2	V11-0271-05	1S2076 OR		
65 2B	N19-0227-08	WASHER M2.6	T	D2	V11-1200-80	1SS53		
65 2B	N19-0267-05	WASHER M2.6	KT	D3 -5	V11-0076-05	1S1555 OR	ME	
65 2B	N19-0516-05	WASHER M2.6	PU	D3 -5	V11-0271-05	1S2076 OR	ME	
65 2B	N19-0516-05	WASHER M2.6	MX	D3 -5	V11-1200-80	1SS53	ME	
65 2B	N19-0516-05	WASHER M2.6	E	D3 -5	V11-0076-05	1S1555 OR	TP	
66 2B	N19-0563-14	WASHER		D3 -5	V11-0271-05	1S2076 OR	TP	
67 2A,3B	N19-0568-04	WASHER		D3 -5	V11-1200-80	1SS53	TP	
68 2B	N19-0598-04	WASHER		<b>ONEARM ASS'Y</b>				
69 2A	S31-2001-05	SLIDE SWITCH	UM	201 2B	-	ONEARM ELEVATION SHAFT		
69 2A	S31-2001-05	SLIDE SWITCH	XE	211 2B	D19-0243-08	ANTI-SKATING DEVICE		
70 3A	S50-1015-05	SENSITIVE SWITCH		212 2B	D39-0159-08	ONEARM REST ASSY		
71 2B	T21-0067-05	CARTRIDGE (V39MK3)	PU	213 2B	D91-0131-08	WEIGHT		
71 2B	T21-0067-05	CARTRIDGE (V39MK3)	MX	214 2B	G01-1047-08	COILED SPRING		
71 2B	T21-0067-05	CARTRIDGE (V39MK3)	E	215 2B	J19-1999-08	LIFTER PLATE		
71 2B	T21-0070-05	CARTRIDGE (FF15E0MK2)	T	216 2B	J91-0161-08	ONEARM	*	
72 3A	T41-0112-05	SYNCHRONOUS MOTOR	UM	217 2B	N08-0416-08	DRESSED SCREW		
72 3A	T41-0112-05	SYNCHRONOUS MOTOR	X	218 2B	N09-0938-08	SCREW		
72 3A	T41-0116-05	SYNCHRONOUS MOTOR	ET	219 2B	N73-2604-46	SET SCREW (CUP POINT)		
72 3A	T41-0116-05	SYNCHRONOUS MOTOR	T	<b>MECHANISM ASS'Y (X35-1820-**)</b>				
72 3A	T41-0118-05	SYNCHRONOUS MOTOR	KP	301 3B	-	SUB CHASSIS		
73 1A	W01-0329-04	EP ADAPTOR		302 3B	-	ONEARM ELEVATOR ASSY		
74 2A,2B	X27-1460-00	POWER SUPPLY PCB ASSY	UM	303 2B	-	RESET ARM (A)		
74 2A,2B	X27-1460-00	POWER SUPPLY PCB ASSY	X	304 3B	-	RESET ARM (B)		
74 2A,2B	X27-1460-02	POWER SUPPLY PCB ASSY	K	305 3B	-	DETECT ARM		
74 2A,2B	X27-1460-03	POWER SUPPLY PCB ASSY	E	306 3B	-	CONNECT CAM		
74 2A,2B	X27-1460-04	POWER SUPPLY PCB ASSY	T	307 3B	-	MAIN CAM		
74 2A,2B	X27-1460-05	POWER SUPPLY PCB ASSY	T	308 3B	-	SHIELDING PLATE		
75 2B,3B	X35-1820-05	MECHANISM ASSY	P	309 3B	-	SPACER		
75 2B,3B	X35-1820-05	MECHANISM ASSY	*K	321 2B	D10-0593-24	SWITCH ARM (A)	*	
75 2B,3B	X35-1820-05	MECHANISM ASSY	PU	322 3B	D10-0594-14	SWITCH ARM (B)	*	
75 2B,3B	X35-1820-05	MECHANISM ASSY	MX	323 2B	D10-0597-14	RESET ARM (C)	*	
75 2B,3B	X35-1820-06	MECHANISM ASSY	*E	324 3B	D10-0929-04	DETECTING OPERATION ARM	*	
75 2B,3B	X35-1820-06	MECHANISM ASSY	T	325 3B	D12-0217-13	SWITCH CAM	*	
75 2B,3B	X35-1820-06	MECHANISM ASSY	T	326 2B	D12-0219-14	LOCK CAM	*	
<b>POWER SUPPLY (X27-1460-**) (continued)</b>				327 2B	G01-0717-14	COILED SPRING	*	
D1	B30-0169-05	LED		328 3B	G01-0718-14	COILED SPRING	*	
C1 ,2	C91-0023-05	CERAMIC 0.01UF AC250V	M	329 3B	J31-0402-04	COLLAR		
C1 ,2	C91-0079-05	CERAMIC 0.01UF AC125V	KE	330 3B	N09-0195-04	SCREW		
C1 ,2	C91-0079-05	CERAMIC 0.01UF AC125V	TP	331 3B	S46-2306-13	LEAF SWITCH	*	
C3	C24-0822-71	ELECTRO 220UF 6.3WV	P	332 3B	S49-2003-05	SENSITIVE SWITCH (K2)		
C3	C24-0833-71	ELECTRO 330UF 6.3WV	ME	333 3B	S50-1015-05	SENSITIVE SWITCH (K1)		
C3	C24-0833-71	ELECTRO 330UF 6.3WV	T	334 3B	T41-0124-05	TIMING MOTOR		
C11	C91-0023-05	CERAMIC 0.01UF AC250V	M	334 3B	T41-0126-05	TIMING MOTOR		
C11	C91-0079-05	CERAMIC 0.01UF AC125V	KE					
C11	C91-0079-05	CERAMIC 0.01UF AC125V	TP					
C22	C91-0023-05	CERAMIC 0.01UF AC250V	M					
C22	C91-0079-05	CERAMIC 0.01UF AC125V	KE					
C22	C91-0079-05	CERAMIC 0.01UF AC125V	TP					
-	J13-0055-05	FUSE HOLDER	KP					
R1	R40-8347-05	FL-PROOF RC47 K 2H	ME					
R1	R40-8347-05	FL-PROOF RC47 K 2H	T					
R1	R47-5451-05	FL-PROOF RS51 J 3A	P					
R1 ,2	R47-5547-25	FL-PROOF RS4.7K J 3D						
R3	R40-8312-06	FL-PROOF RC12 K 2H	ME					
R3	R40-8312-06	FL-PROOF RC12 K 2H	T					
R4	R40-8312-06	FL-PROOF RC12 K 2H	ET					

Codes in X27-1460-\*\*

M: X27-1460-00

T: X27-1460-04

K: X27-1460-02

P: X27-1460-05

E: X27-1460-03

# SPECIFICATIONS

## MOTOR AND TURNTABLE

Drive System.....	Belt-drive system
Motor.....	4 pole synchronous motor
Turntable Platter.....	30 cm (12 inch) diameter Aluminum alloy, die-cast
Speeds.....	2 speeds, 33-1/3 and 45 rpm
Wow & Flutter.....	Less than 0.05% (WRMS)
Rumble.....	DIN weighted better than - 65 dB

## TO NEARM

Type.....	Static-balance type, Straight tubular arm
Effective Arm Length.....	225 mm (8-7/8 inch)
Overhang.....	15 mm (9/16 inch)
Tracking Error.....	+ 3° 24' to - 1°
Tracking Force Variable Range.....	0 to 3 grams
Usable Cartridge Weight.....	4 to 12 grams (with supplied head-shell)

**CARTRIDGE** (The KD-1600MKIIC model is equipped with the ORTOFON FF-15 EO MKII cartridge.)

Furnished Cartridge.....	V-39 MKIII (Moving Magnet type)
Frequency Response.....	20 ~ 20,000 Hz
Output Voltage.....	2.3 mV (1,000 Hz, 5 cm/sec.)
Load Impedance.....	47 k ohms
Stylus.....	0.5 mil diamond
Optimum Tracking Force.....	1.5 +0.3, - 0 grams
Replacement Stylus.....	N-39 MKIII

## MISCELLANEOUS

Power Requirements.....	AC 120 V, 60 Hz: U.S.A. and Canada Models AC 240 V, 50 Hz: U.K. Model AC 120 V/220V (Switchable), 50/60 Hz: European and Military Models AC 120 V/240V (Switchable), 50/60 Hz: Other countries
Power Consumption.....	10 watts
Dimensions.....	W 440 mm (17-5/16") H 130 mm (5-1/8") D 372 mm (14-5/8")
Weight.....	5.2 kg (11.5 lb)
Built-in Features.....	Auto-return/cut tonearm system Oil-damped cueing device Anti-skating device 45 rpm adaptor stand Tracking force direct readout counter Built-in isolators
Supplied Accessory.....	45 rpm adaptor

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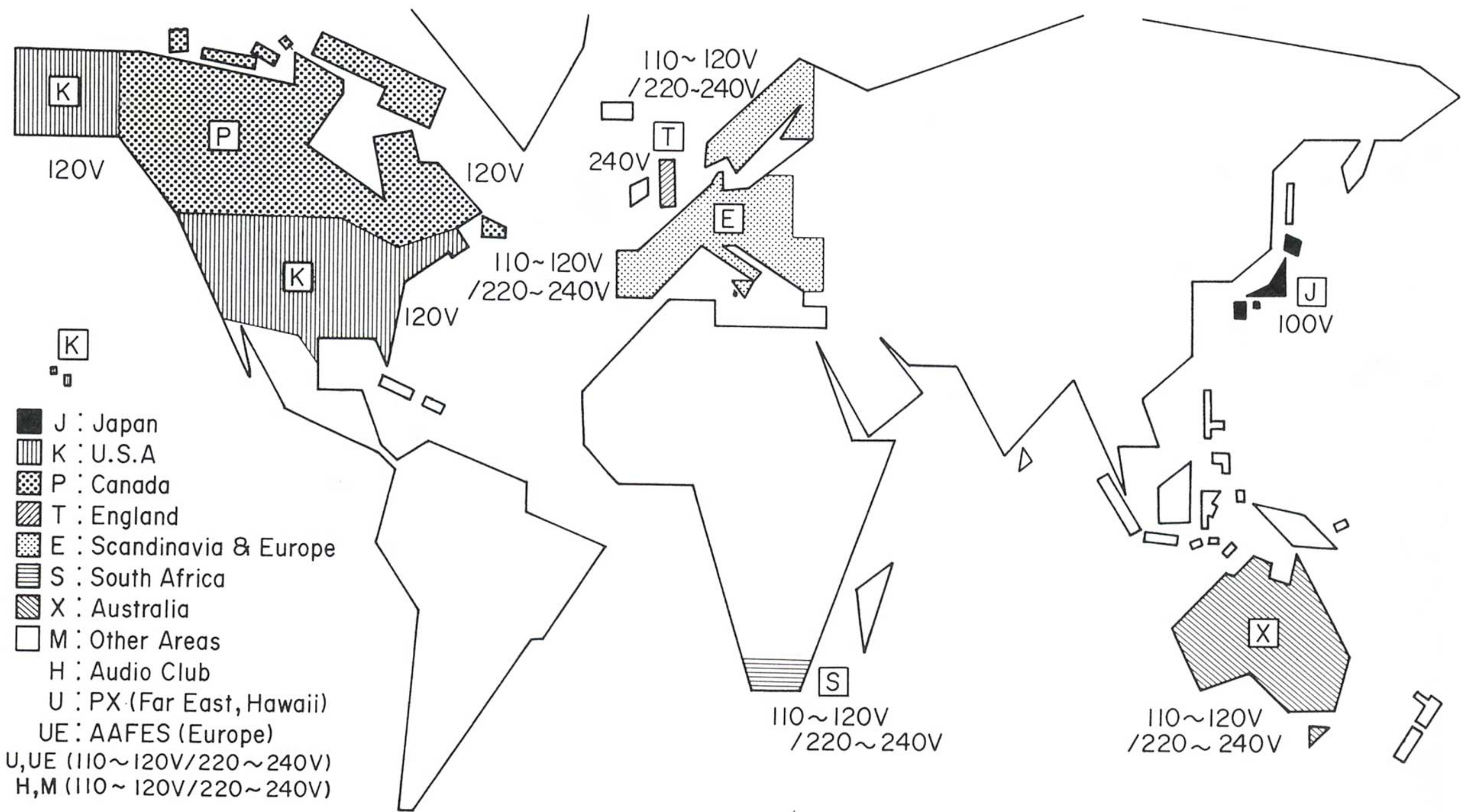
Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Kenwood poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans

Kenwood strebt ständige Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

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# WORLD MAP & AREA CODE



## Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the U.S. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

A product of

## TRIO-KENWOOD CORPORATION

Shionogi Shibuya Building, 17-5, 2-chome Shibuya, Shibuya-ku, Tokyo 150 Japan

### KENWOOD ELECTRONICS, INC.

1315 E Watsoncenter Rd. Carson, California 90745, U.S.A.  
 75 Seaview Drive, Secaucus, New Jersey 07094, U.S.A.  
 1098 North Tower Lane, Bensenville, Illinois 60106, U.S.A.

### TRIO-KENWOOD CANADA INC.

1070 Jayson Court Mississauga, Ontario Canada L4W 2V5

### TRIO-KENWOOD ELECTRONICS, N.V.

Leuvensesteenweg 504, B-1930 Zaventem, Belgium

### TRIO-KENWOOD ELECTRONICS, GmbH

Rudolf-Braas-Str. 20, 6056 Heusenstamm, West Germany

### TRIO-KENWOOD FRANCE S.A.

5, Boulevard Ney, 75018 Paris, France

### TRIO-KENWOOD SVENSKA AB

Kemistvagen 10A, 183-21 Taby, Sweden

### TRIO-KENWOOD AG

Unterboesch 6331 Huenenberg/ZUG Switzerland

### TRIO-KENWOOD (AUSTRALIA) PTY. LTD.

30 Whiting St., Artarmon, N.S.W. 2064, Australia

### KENWOOD & LEE ELECTRONICS, LTD.

Wang Kee Building, 5th Floor, 34-37, Connaught Road Central, Hong Kong