KENWOOD

KP-3021A
(KP-3022F)KP-3022

KP-3021A

KP-3022(KP-3022F)

SPECIFICATIONS

DRIVE: Belt Drive System
MOTOR: Semi-synchronous motor
TURNTABLE: 12 inch (30 cm) Solid die-cast aluminum alloy type
SPEED: Two Speed, 33-1/3 and 45 rpm
WOW & FLUTTER: Less than 0.08 %
SIGNAL TO NOISE RATIO: More than 45 dB
TONE ARM: Static Balanced Pipe Arm, 4-terminal plug-in type, Lateral Balancer
TRACKING ERROR: ±1.5 degrees
STYLUS PRESSURE VARIABLE RANGE: 0 to 4 grams
CARTRIDGE: Moving Magnet type
FREQUENCY RESPONSE: 20 ~ 20,000 Hz
OUTPUT BALANCE: within ± 1 dB
CHANNEL SEPARATION: More than 25 dB at 1,000 Hz
IMPEDANCE: 5 kΩ
OUTPUT VOLTAGE: 5 mV (1,000 Hz, 5 cm/sec.)
LOAD IMPEDANCE: 50 kΩ
RECOMMENDED STYLUS PRESSURE: 3 ± 0.5 grams
STYLUS: 0.7 mil Diamond Stylus
COMPLIANCE: 7 x 10^{-6} cm/dyne
REPLACEMENT STYLUS: Type N-34
SPECIAL MECHANISM:
Auto-in-Auto-cut, Auto-repeat, disc size selector manual-in system, 24 pole synchronous gear motor for arm drive, Elevation Lever.
SUPPLIED ACCESSORIES: EP Adaptor, Motor oil
POWER REQUIREMENTS: AC 100 - 120V/220-240V 50/60 Hz
POWER CONSUMPTION: 60 Hz 14W, 50 Hz 15.5W
DIMENSIONS: H7" (175) x W 18-1/8" (460) x D16-1/8" (410) mm
WEIGHT: 14.3 lbs.

SPECIFICATIONS

DRIVE:	Belt Drive System
MOTOR:	4 pole Synchronous Motor
TURNTABLE:	12 inch (30 cm) Solid die-cast aluminum alloy type
SPEED:	Two speeds, 33-1/3, and 45 rpm
WOW-FLUTTER:	Less than 0.08% (WRMS)
SIGNAL TO NOISE RATIO:	More than 48 dB
TONEARM:	Static Balance Type, Tapered pipe arm Slide-locked EIA plug-in connector Direct-reading stylus force
TRACKING ERROR:	±1.5 degree
STYLUS FORCE VARIABLE RANGE:	0 to 4 grams
CARTRIDGE:	
Type:	Moving magnet type
Frequency Response:	20 Hz ~ 20,000 Hz
Channel Separation:	More than 25 dB (1,000 Hz)
OUTPUT:	5 mV (1,000 Hz, 50 mm/sec)
OUTPUT BALANCE:	Less than 2.5 dB (1,000 Hz, 50 mm/sec)
LOAD IMPEDANCE:	50 k ohms
STYLUS FORCE:	2 ±0.25 grams
STYLUS:	0.6 mil Diamond Stylus
COMPLIANCE:	7 x 10^{-6} cm/dyne
REPLACEMENT STYLUS:	Tyep N-39
SPECIAL MECHANISM:	Auto-in, Auto-cut, Auto-repeat, Auto-return, Disc size selector, Manual-in, Pause elevation, Anti-skating, Panel floating, Head shell stand, Pilot lamp for stylus adjust, 24 pole Synchronous timing for tonearm drive.
SUPPLIED ACCESSORIES:	EP Adaptor Motor lubricating oil Low capacity audio cord with PIN plug
POWER REQUIREMENT:	AC 110 ~ 120V/220 ~240 V, 50/60 Hz or AC 117V, 50/60 Hz
POWER CONSUMPTION:	15.5 W, 50/60 Hz
DIMENSIONS:	W 17-5/8" (448 mm), H 6-13/6" (173 mm), D 14-21/32" (374 mm)
WEIGHT:	19.2 lbs (8.7 kg)

V-42 SPECIFICATIONS

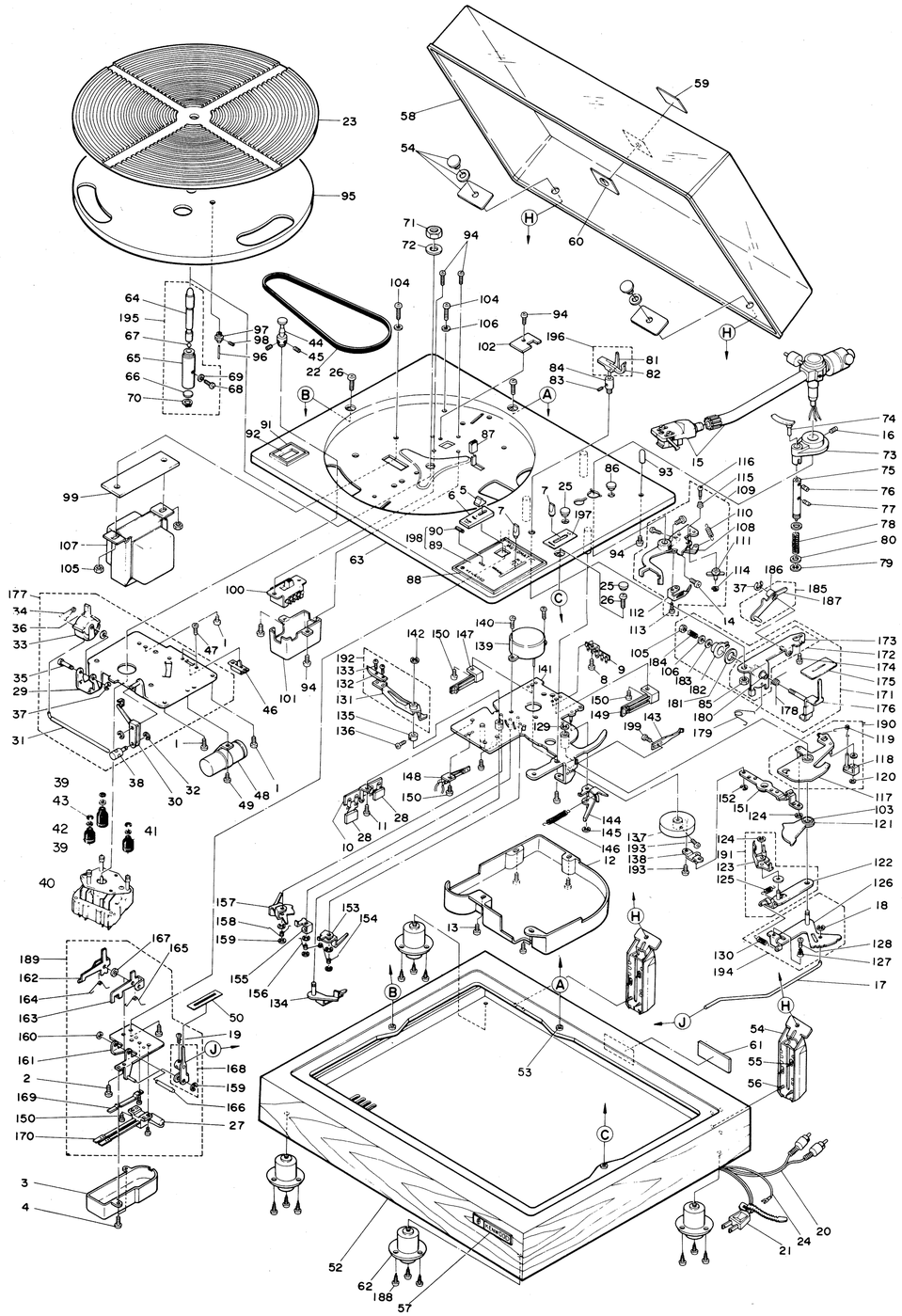
Type:	Moving magnet
Output voltage:	1.2mV~2.4mV at 1kHz
Frequency response:	20Hz~40 kHz
Channel balance:	Less than 2.5dB at 1kHz
Channel separation:	More than 18dB at 1kHz
Impedance:	2.45k-ohm at 1kHz
Suitable stylus force:	1.7~2.3g
D.C. resistance:	470 ohm
Compliance:	5~8/10 cm/dyne
Optimum load	47k-ohm
Replacement stylus:	N-42 (Parabolic)
Weight:	6~7 g

* This is a factory's specifications.

KENWOOD

STEREO RECORD PLAYER

KP-3021A



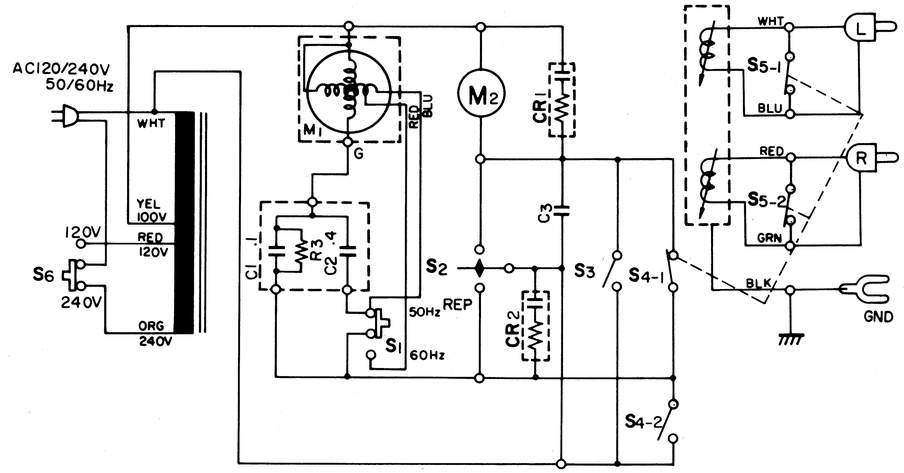
Ref. No.	Parts No.	Description
1	N30-4006-11	Small pan head screw x 3
2	N30-3006-11	Small pan head screw x 2
3	F07-0184-04	Protection cover (C)
4	N30-3006-11	Small pan head screw x 2
5	K29-0056-04	Repeat button
6	K29-0057-14	Switch button
7	K29-0058-04	Knob x 2
8	N30-4006-11	Small pan head screw x 3
9	E22-0508-05	Lug type terminal strips
10	E22-0404-05	Lug type terminal strips
11	N30-3006-11	Small pan head screw
12	F07-0220-02	Protection cover (A)
13	N30-3006-11	Small pan head screw x 4
14	N30-3006-11	Small pan head screw x 2
15	J91-0021-15	Pickup
16	N73-4005-11	Set screw
17	D17-0022-04	Selector spoke
18	N24-3020-60	E washer
19	N30-3006-11	Small pan head screw
20	E30-0111-05	Audio cord
21	E30-0034-05	Power cord
22	D16-0014-03	Belt
23	G16-0030-02	Turntable sheet
24	E30-0114-05	Lead for earch
25	J42-0038-04	Bush
26	N30-4012-11	Small pan head screw x 3
27	CH02S2E103M	MP capacitor 0.01μF, 250WV, C3
28	R90-0069-05	Ceramic based multiple components x 2
29	A11-0041-03	Chassis calked for speed change assembly
30	D11-0133-04	Belt guid arm
31	D17-0024-04	Arm spoke
32	N24-3020-60	E washer
33	D12-0056-04	Speed change cam
34	G01-0091-04	Tension spring (E)
35	D21-0206-04	Cam shaft for speed change
36	K29-0090-04	Knob for speed change
37	N24-3030-60	E washer
38	I32-0135-04	Boss for arm spoke
39	G13-0053-04	Rubber cushion x 2
40	T41-0086-15	Motor
41	G13-0055-04	Rubber cushion
42	N19-0018-04	Polislider washer x 3
43	N24-3040-60	E washer x 3
44	D15-0076-14 D15-0077-14	Motor pulley (B) for 50 Hz Motor pulley (B) for 60 Hz
45	N73-3003-11	Set screw x 4
46	S32-2007-05	Hz selector
47	N30-2004-11	Small pan head screw x 2
48	C90-0055-15	Phase advancer capacitor
49	N30-4006-11	Small pan head screw
50	F15-0083-04	Sheet
–		
52	A03-0067-02	Player case
53	N14-0041-05	Special nut x 3
54	J50-0037-05	Hinge x 2
55	N62-3113-11	Wood screw x 4
56	N61-3113-11	Wood screw x 4
57	B43-0161-04	Badge
58	B19-0051-01	Player cover
59	B44-0028-14	Player cover mark (Top)
60	B44-0029-04	Player cover mark (Button)
61	B40-0558-04	Destination sticker
62	J03-0001-04	Insulator assembly x 4
63	A20-0434-31	Panel
64	D21-0151-04	Turntable shaft
65	D23-0070-24	Turntable bearing

Ref. No.	Parts No.	Description
66	J09-0044-04	Thrust washer
67	D90-0001-04	Steel ball
68	N09-0059-04	Screw
69	N16-0030-46	Spring washer
70	N24-2080-45	Ring
71	N14-0048-14	Hexagon nut
72	N19-0142-04	Washer
73	J09-0045-13	Arm base
74	D39-0013-24	Arm supporter assembly
75	D21-0153-34	Up-down shaft assembly
76	N73-2603-11	Set screw
77	J12-0050-04	Set pin
78	G01-0103-14	Spring for up-down shaft
79	N24-3050-60	E washer
80	N19-0018-04	Polyslider washer
81	D39-0009-23	Arm rest
82	J11-0006-04	Arm rest cramper
83	N73-2603-11	Set screw
84	J09-0046-14	Arm rest base
85	N14-0040-00	Hexagon nut x 2
86	J42-0037-04	Bush (A) x 2
87	J42-0039-14	Sleeve
88	A15-0006-13	Frame for ornamental
89	B42-0251-24	Ornamental plate of selector
90	D32-0031-04	Play/cut lever stopper
91	A15-0007-24	Frame for ornamental plate of speed change
92	B42-0235-04	Ornamental plate of speed change
93	J91-0093-14	Adapter holder
94	N30-3006-11	Small pan head screw x 6
95	D02-0006-05	Turntable
96	J12-0046-04	Pin
97	J19-0094-14	Pin holder
98	N73-2605-11	Set screw
99	G13-0041-04	Insulating rubber
100	S31-2011-05	Power voltage switch
101	F07-0172-04	Protection cover for power
102	B41-0040-04	Switch stopper
103	D23-0097-04	Off cam bearing
104	N30-4012-11	Small pan head screw x 2
105	N10-2040-11	Hexagon nut x 3
106	N15-1040-11	Flat washer x 3
107	L09-0092-05	Power transformer
108	D11-0125-04	Setting arm
109	D11-0111-04	Setting arm assembly
110	G01-0141-04	Tension spring (B)
111	D12-0054-04	Cross cam
112	G02-0032-14	Spring for cross cam
113	N30-2605-11	Small pan head screw
114	N24-3020-60	E washer
115	G01-0135-04	Tapered spring
116	N09-0094-04	Adjusting screw
117	D12-0051-04	Chassis for EL cam assembly
118	D11-0112-04	Carrying arm assembly
119	G01-0133-04	Tension spring
120	N24-3025-60	E washer
121	D12-0057-04	Off cam
122	J19-0185-14	Adjuster assembly
123	D32-0038-04	Stopper assembly
124	N24-3025-60	E washer
125	G01-0134-04	Tension spring (D)
126	D11-0114-04	Select arm assembly
127	G01-0135-04	Tapered spring
128	N09-0094-04	Adjusting screw
129	N24-3040-60	E washer
130	G01-0136-04	Tension spring (C)

KP-3021A KP-3021A

Ref. No.	Parts No.	Description
131	D11-0116-04	Detecting arm assembly
132	D29-0009-04	Tip
133	N30-2605-11	Small pan head screw x 2
134	D11-0118-04	Detecting operation arm
135	J31-0074-04	Sleeve
136	N30-3006-11	Small pan head screw
137	D12-0053-04	Switch cam
138	J21-0869-04	Bracket assembly
139	T41-0084-15	Gear motor
140	N30-3005-11	Small pan head screw
141	A10-0286-03	Mechanism chassis assembly
142	N24-3030-60	E washer
143	G02-0031-04	Setting spring
144	D11-0120-04	Set-off arm
145	N24-3040-60	E washer
146	G01-0137-04	Tension spring (A)
147	S46-2005-25	Switching arm (A)
148	S46-2006-35	Switching arm (C)
149	S46-2007-45	Switching arm (D)
150	N30-2605-11	Small pan head screw x 6
151	D11-0121-04	Connecting bar
152	N24-3020-60	E washer
153	D11-0122-04	Return operating arm
154	G01-0138-04	Tension spring (D)
155	D11-0123-04	Hook arm
156	G01-0139-04	Tension spring
157	D11-0124-04	Switching arm
158	G01-0140-04	Tension spring
159	N24-3030-60	E washer x 7
160	N24-3020-60	E washer
161	A29-0006-04	Switch panel assembly
162	D11-0085-04	Repeat arm
163	D11-0086-04	Switching arm
164	G01-0092-04	Spring for repeat
165	G01-0093-04	Spring for switch
166	D21-0155-04	Switching arm shaft
167	J31-0062-04	Mini-collar
168	D10-0057-04	Select lever assembly
169	G02-0024-04	Setting spring
170	S47-2003-25	Operating switch
171	D40-0105-13	Arm elevation assembly
172	A11-0038-03	Arm elevation calked assembly
173	A11-0039-04	Chassis for elevation
174	N30-3008-11	Small pan head screw
175	F15-0095-04	Sheet
176	D10-0072-04	Lever assembly
177	D40-0109-03	Chassis for speed change assembly
178	G01-0126-04	Spring
179	G01-0127-14	Spring
180	D21-0170-04	Shaft holder
181	N19-0145-04	Flat washer (A)
182	D23-0080-04	Bearing
183	N19-0146-04	Flat washer (B)
184	G01-0110-24	Tension spring
185	D11-0108-04	Arm for up-down assembly
186	D23-0082-04	Arm bearing
187	D11-0109-04	Arm for up-down
188	N63-2712-12	Wood screw x 12
189	D10-0058-23	Right lever assembly
190	D12-0050-14	EL cam assembly
191	D40-0113-14	Adjuster assembly
192	D40-0115-04	Detecting arm assembly
193	N87-2606-41	Tap tite screw x 2
194	D40-0114-04	Select arm assembly
195	D23-0071-14	Turntable shaft & bearing assembly
196	D39-0012-14	Arm rest assembly

Ref. No.	Parts No.	Description
197	B42-0301-04	Up-down name plate
198	B42-0237-14	Ornamental plate of selector assembly
199	N30-3005-11	Pan head screw



S_1 : Hz selector SW
S_2 : Operating SW
S_3 : Switching arm (C)
S_4 : Switching arm (A)
S_5 : Switching arm (D)
S_6 : Power voltage SW

$CR_{1,2}$ .033+120Ω 500V
C_3 .01 250V
R_3 10kΩ (7W)

30 30