



COMPACT DISC PLAYER

Service Manual

MODEL: MC-VCM1

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1 SPECIFICATION

a. Optical Specification

- i. Objective lens
Focus length (f): 3.9mm
Numerical aperture (N.A): 0.45
Working distance (W.D): 2.12mm
- ii. Semiconductor laser
Laser wave length: 760 ~ 800 nm
- iii. The performance of the image
It shall satisfy with the performance of diffraction limit.
- iv. The detection method of servo error signal
Focus Error: Astigmatism method
Tracking Error: 3 spots method
- v. Laser Power Supply
Laser power control circuit reference to Fig. 5

b. Mechanical Specifications

- i. Dimension: refer to Fig 2.
- ii. Unit Weight: 163g (Standard Data)
- iii. Moving direction of objective lens
Focusing: Objective lens moves close to DISC when positive voltage is applied to the terminal 13 of LD actuator connector.
Tracking: Objective lens moves outer circle of DISC when positive voltage is applied to the terminal 15 of LD actuator connector.

c. Moving Direction of pick-up

Pick-up moves outer circle of DICS when positive voltage is applied to the terminal 3 of motor connector.

d. Moving of turn table

Turn table rotates counter clock wise when positive voltage is applied to the terminal 2 of motor connector.

2 MEASUREMENT CONDITIONS

Measurements must be performed under following conditions.

- a. Position of pick-up: See fig.1
Output beam + Position difference shall be separately specified as occasion demand.
- b. Environmental conditions
 - i. Temperature: $25 \pm 5^{\circ}\text{C}$
 - ii. Humidity: $55 \pm 20\% \text{ RH}$
- c. Test equipment
 - i. APC power supply (reference Fig.5)
 - ii. Jitter Meter (MEGURO 6331)
 - iii. Digital Multimeter
 - iv. Servo Analyzer
 - v. Oscilloscope (150MHz)
 - vi. Measuring player circuit
 - vii. FFT Analyzer
- d. Reference
 - i. Sony DISC (YEDS-18 etc)
 - ii. ABEX DISC (TCD-784)

3 RELIABILITY ASSURANCE

- a. Operating temperature
 - i. Temperature: $-5 \sim 55^{\circ}\text{C}$
Operating characteristics are shown as changed quantity from the initial value in the performance specification table.
Measurement must be performed after 4 hours storage and 10 minutes aging test at the temperature above. No dew allowed.
- b. Storage in not and humid condition
 - i. Temperature Humidity: $60^{\circ}\text{C}, 90\% \text{ RH}$
After 48 hours storage in the above temperature and 16 hours storage at the normal temperature, change of characteristics should be as shown in the reliability specification table. No dew allowed.
- c. Vibration
 - i. Vibration: 2.4G, $7 \sim 30\text{Hz}$, Straight sweep, 3-Directions
After 15 minutes vibrations (sweep time of go and return is 5 minutes) in each direction, change of characteristics should be as shown in the reliability specification table.
- d. Impact: 80G, 3-Direction
 - i. After impact 15 applied twice in each direction, change of characteristics should be as shown in the reliability specifications table.

- e. Life of Laser Diode
 - i. Fraction defective should be less than 0.1% after 3000 hours operation at 25°C excluding defects from electro-static discharge.
- f. Life of spindle motor
 - i. The variation from the initial current consumption of spindle motor should be than +30% after 1000 hours operation.
- g. Life of feed motor
 - i. The variation from the initial current consumption of spindle motor should be less than +30% after 50,000 cycles operation. (1 cycle: Max inside circle → Max outside circle → Max inside circle)
- h. Life of limit switch
 - i. Contact resistor should be less than 100mΩ after 50,000 cycles operation.
- i. Sliding of pick-up
 - i. No trouble should arise for practical use after 50,000 cycles operation.

4 MAXIMUM RATING AND RECOMMENDED OPERATING CONDITIONS

a. Maximum rating

ITEM	CONDITION	SYMBOL	MIN	MAX	UNIT
Output light power from objective lens	T alpha = 25°C	-	-	0.4	MW
Reverse voltage of monitor photo diode	T alpha = 25°C	V _{rm}	-	30	V
Reverse voltage of multi divide photo diode	T alpha = 25°C	V _{rp}	-	0.7	V
Moving current of focus coil	T alpha = 25°C Continuous same time moving driving	I _{to}	-	150	MArms
Moving current of focus coil	T alpha = 25°C 2 second same time moving	-	-	300	MArms
Moving current of Tracking Coil	T alpha = 25°C Continuous same time moving	I _{to}	-	150	MArms
Moving current of Tracking Coil	T alpha = 25°C 2 second same time moving	-	-	300	MArms
Storage temperature	-	T _{stg.}	-10	55	°C
Rating voltage of spindle motor	T alpha = 25°C	-	-	6	V
Rating voltage of Feed motor	T alpha = 25°C	-	-	3	V
Rating voltage of Loading motor	T alpha = 25°C	-	-	6	V

b. Recommended operating conditions

ITEM	CONDITION	SYMBOL	MIN	MAX	UNIT
Output light power from objective lens	Continuous	-	-	0.5	MW
Moving distance of objective lens (Focus)	-	-	-	1.6	Mm
Moving distance of objective lens (Tracking)	-	-	-	±0.4	Mm
Operating temperature	-	Top	-5	55	°C

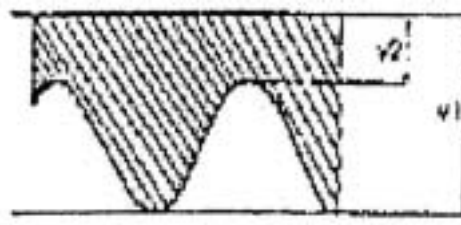
5 PERFORMANCE SPECIFICATIONS

- a. Optical Pick-up part
 - i. 2-Axis actuator

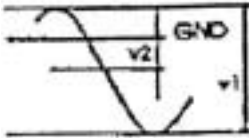
ITEMS			STANDRAD NORMAL TEMP.	TEMP.CHANGE		REMARK
FOCUS	Moving distance		> 1.6mm	-		-
	D.C Resistance		10.5 ±0.5mm/V	< -40%	< -40%	The prescription is 5Hz
	Sensitivity		1.0 ±0.5mm/V	< 10Hz	< 10Hz	The prescription is maximum Q data
	Resonance Frequency (fo)		25 ± 4Mz	< 10Hz	< 10Hz	The prescription is maximum Q data
	Q Value		20 ± 4dB	< -5dB	< -5dB	Q=Gain (of) – Gain (5Hz)
	Phase	2KHz	195 ± 10deg	< ± 5deg	< ± 5deg	-
TRACKING	Moving distance		> 0.5 mm	-		Standard for middle position of lens
	D.C Resistance		6.0 Ω ± 1.0Ω	-		-
	Sensitivity		1.0 ± 0.55mm /V	< -35%	< 40%	The prescription is 5Hz
	Resonance Frequency (fo)		25 ± 4Hz	< 8Hz	< -5Hz	The prescription is maximum Q data
	Q Value		22 ± 4dB	< -5dB	< 5dB	Q = Gain (of) – Gain (5Hz)
	Phase	2KHz	190 ± 7deg	<± 5deg	<± 5deg	-

ii. Optics / Electrical

- R.F Signal

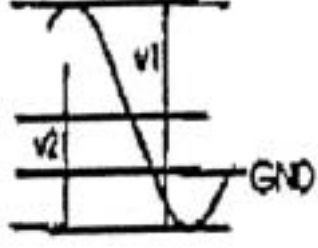
ITEM	STANDRAD NORMAL TEMP	TEMP. CHANGE		REMARKS
R.F Level	$0.48 \pm 0.1V_{p-p}$	< $\pm 20\%$	< $\pm 20\%$	Excluding temperature dependence of APC
Jitter	< 25n sec	< 7ns	< 5ns	The use of standard jitter meter is (MEGURO MJM 6631) YEDS-18 #8
Cross Talk	$\frac{V_2}{V_1} < 45\%$	< 15 %		
Variation of RF signal envelope	Less then 30% when the objective lens move $\pm 0.35mm$ (tracking Direction)			

- Focus error signal

ITEM	STANDARD AMBINET TEMP.	TEMPERATURE		REMARKS
		-5°C	55°C	
Vibration of S curve	0.67 ± 0.22Vp-p	< ±30%	< ± 30%	The bias of the jitter  (BEST POINT) $\left \frac{V_2}{V_1} \right \times 10 \mu m$ $\left \frac{\Delta V_2}{V_1} \right \times 10 \mu m$
Defocus	< ± 1 uM	< ± 1 uM		
Polarity	E.F signal was change from plus to minus that for object lens in the near DISC			

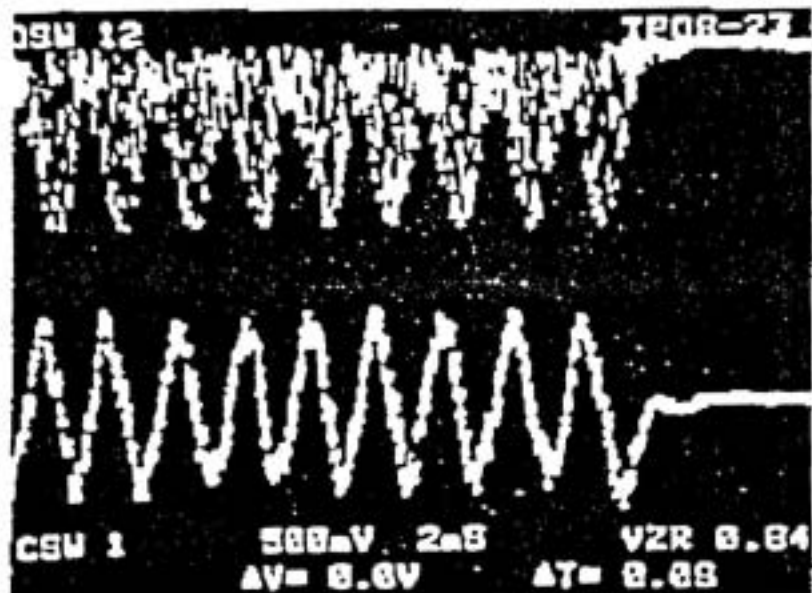
V2 is the variation from initial value cause by temperature

- Tracking error signal

ITEM	STANDARD	TEMP. CHANGE		REMARK
	NORMAL TEMP.	-5°C	55°C	
TE Level	$0.27 \pm 0.12V_{p-p}$	$< \pm 20\%$	$< \pm 20\%$	-
E-F Balance	$\left \frac{V_2}{V_1} \right < 20\%$	$< 10 \%$	$< 10 \%$	
E-F Phase Difference	$ \theta < 35 \text{ deg}$	$< \pm 30 \text{ deg}$		Electricity angle including E-F phase
Polarity	See the graph below	Polarity is governed by the single when inner and outer circle from the leading spot pass through signal and mirror areas respectively.		

R.F Signal

Tracking error
Signal



b. Turn Table Parts

ITEMS	SPECIFICATION	REMARK
Height of Turn Table	$19.4 \pm 0.2\text{mm}$	From Standard Surface of the Chassis
Axial Play of Shaft	$0.05 \sim 0.4\text{mm}$	
Turn Table Wobble	$< 0.07\text{mm}$	
Resisting Force of Turn Table	69N (7Kg)	From Motor Shaft Center
Eccentricity Distance of T/T	$< 0.05\text{mm}$	

c. Pick-up drive unit

ITEMS		SPECIFICATION	REMARK
Standard Voltage		< 1.2Vrms	
Access Time		< 3.5sec	Input Voltage: 2Vrms
Current Consumption		< 45 mArms	Input Voltage: 2Vrms
Moving Range	Maximum inside	< R 23.5 mm	From the turn tale center
	Maximum outside	> R 58 mm	From the turn tale center
Contact point of Limit-switch		Limit switch should be placed contract position before the Pick-up is arrived to the maximum inside.	-

d. Deck assembly

ITEMS	SPECIFICATION	REMARKS
RF Level	$1.2 \pm 0.2\text{Vp-p}$	-
Jitter	$< 30 \text{ ns}$	-
E-F Phase difference	$ \theta < 55 \text{ deg}$	

6 RELIABILITY ASSURANCE STANDARD

(Variation after the measurement infer the reliability assurance condition Except moving test)

a. 2-Axis Actuator

ITEMS			SPECIFICATION
Focus	Sensitivity		$< \pm 20\%$
	Reasonance Frequency (fo)		$< \pm 2\text{Hz}$
	Q Value		$< \pm 3\text{dB}$
	Phase	2KHz	$< \pm 5 \text{ deg}$
Tracking	Sensitivity		$< \pm 20\%$
	Reasonance Frequency (fo)		$< \pm 2\text{Hz}$
	Q Value		$< \pm 3\text{dB}$
	Phase	$< \pm 5 \text{ deg}$	$< \pm 5 \text{ deg}$

b. Feed Mechanism

ITEMS	SPECIFICATION	REMARKS
Starting Voltage	$< 1.5 \text{ V}$	-
Access Time	$< 5 \text{ sec}$	Input Voltage: 2V
Current Consumption	$< 60\text{mA}$	Input Voltage: 2V

c. Optic / Electrical

ITEMS		SPECIFICATION
R.F Signal	R.F. Level	$< \pm 15\%$
	Jitter	$< \pm 7 \text{ ns}$
	Cross Talk	$< \pm 20\%$
Focus Signal	S-curve Amplitude	$< \pm 30\%$
	Defocus	$< \pm 1 \mu\text{m}$
Traverse Signal	Traverse	$< \pm 20\%$
	E-F Balance	$< \pm 20\%$
	E-F Phase Difference	$< \pm 30 \text{ deg}$

d. Deck Assembly

ITEMS	SPECIFICATION	REMARKS
RF Level	$< \pm 30\%$	-
Jitter	$< \pm 7 \text{ ns}$	-

FIG. 1. Description of the component

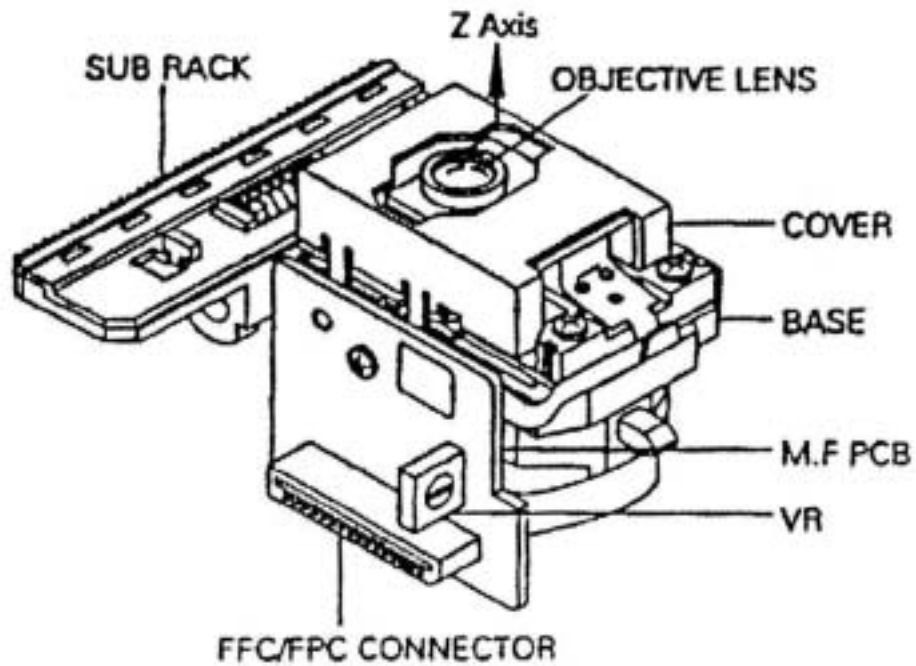


Fig. 1.1 Optical Pick-up

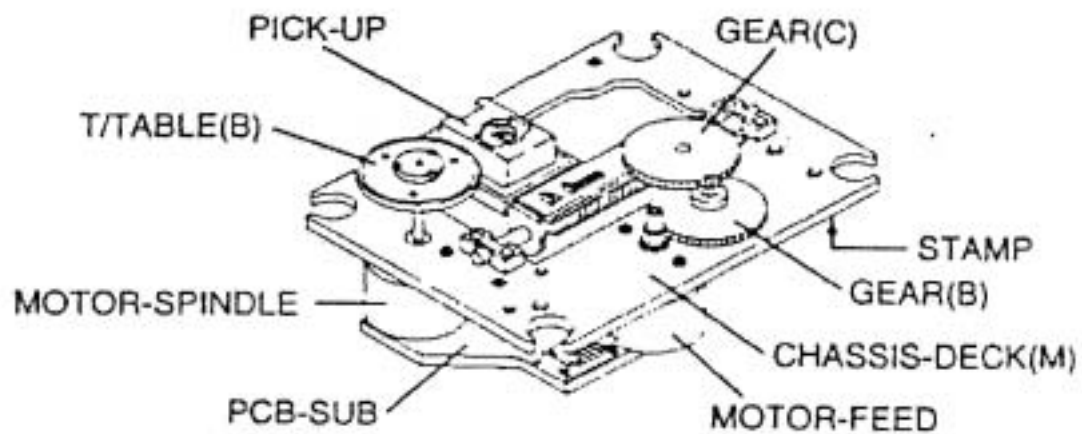
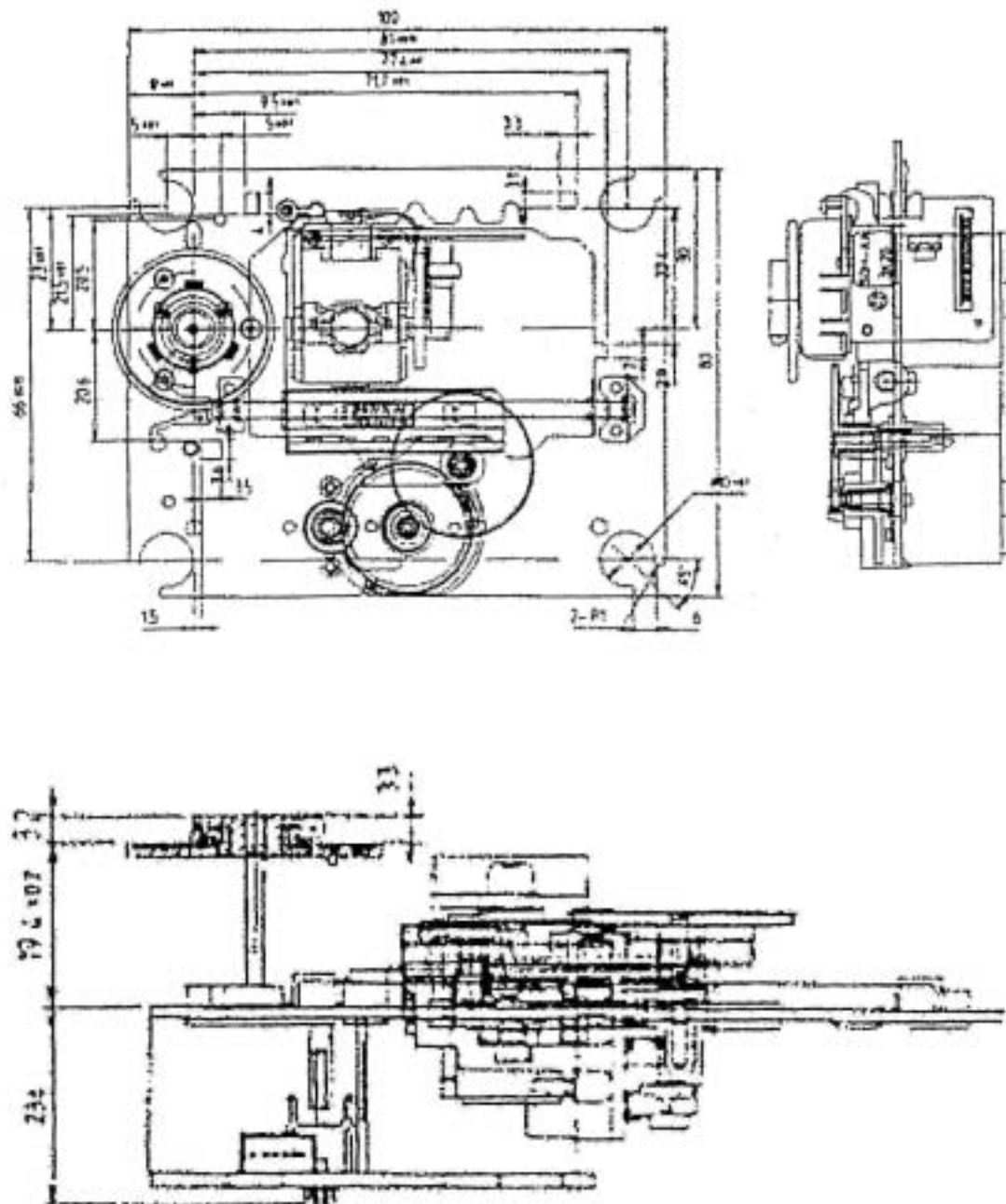


Fig. 1.2 Drive unit

FIG. 2. Assembly Drawing



Tolerance = 0.3

FIG. 3. Optical path drawing of the Pick-up

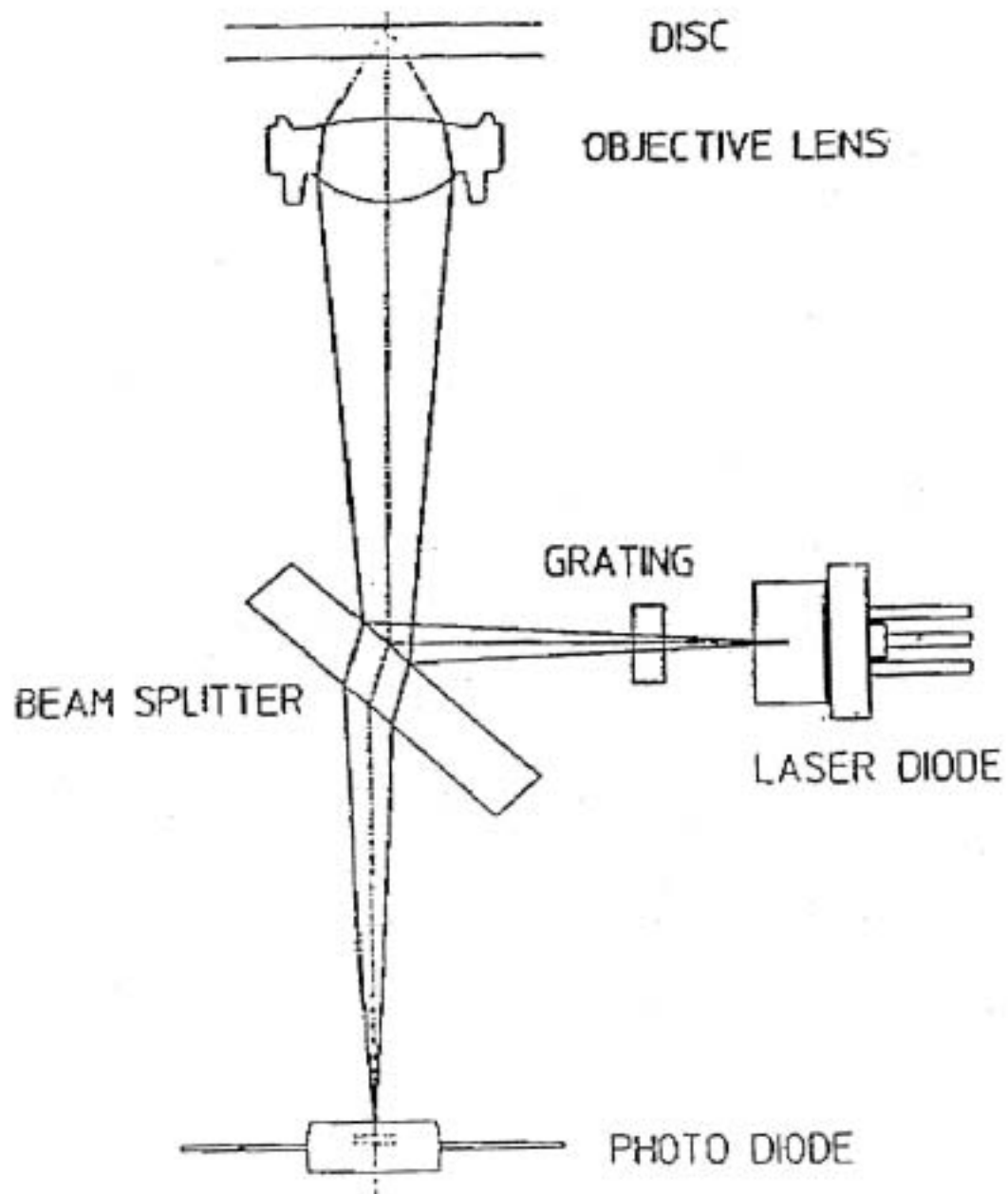
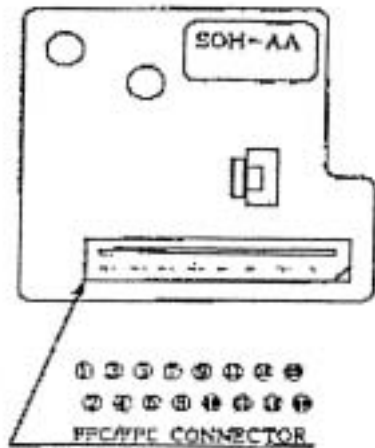


FIG.4. Connector Wafers



MOTOR CONNECTOR

PIN NO	DESCRIPTION
1	SPINDLE +
2	SPINDLE -
3	FEED +
4	FEED -
5	LIMIT S/W
6	LIMIT S/W

(GS PH CONNECTOR 6P, WHITE)

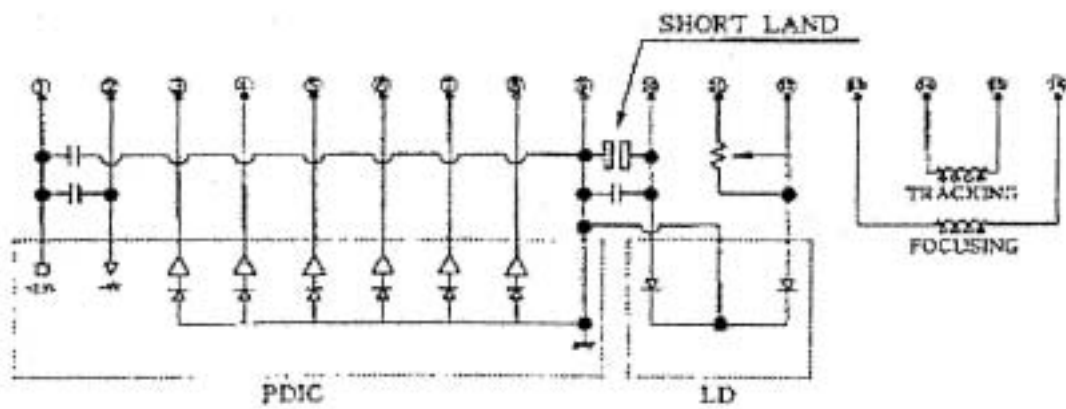
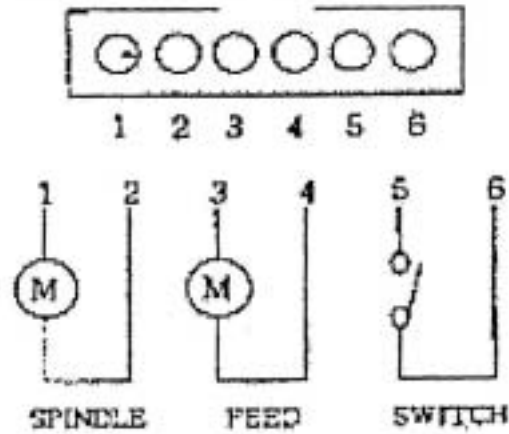
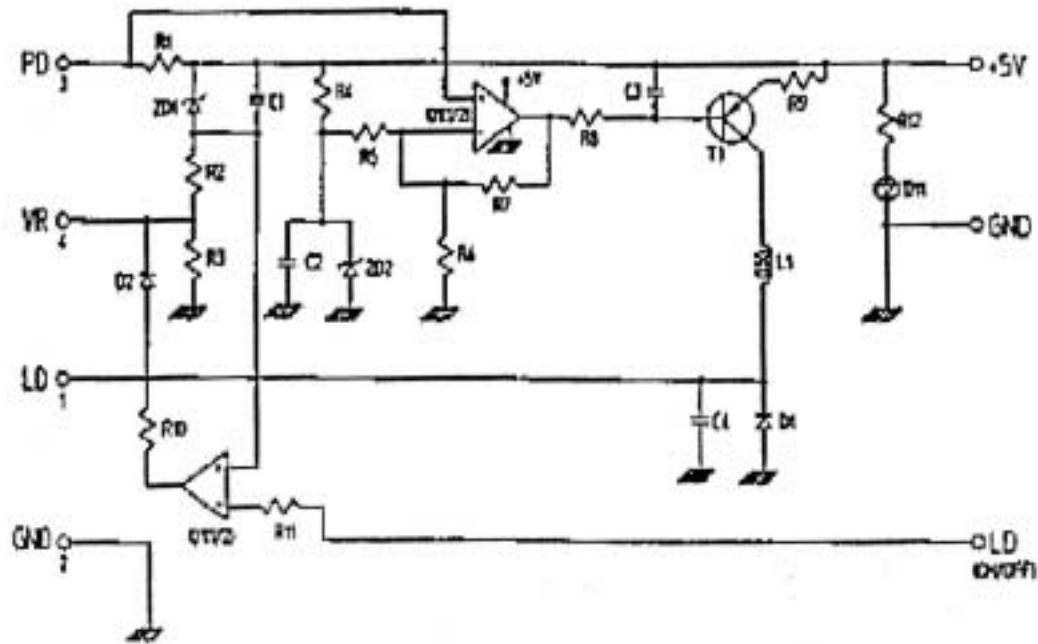


FIG. 5. APC Circuit



R1 : 2.2M	R11 : 10K	L1 : 10μH
R2 : 180	R12 : 680	T1 : 2SA1020Y
R3 : 10	C1 : 1μ	Q1 : NJM2504
R4 : 560	C2 : 1μ	
R5 : 27K	C3 : 220μ	
R6 : 2.2K + 180	D1 : 1S1555	
R7 : 56K	D2 : 1S1555	
R8 : 660	ZD1 : 04A22.2Z	
R9 : 22	ZD2 : 04A22.2Z	
R10 : 47		

FIG. 6. Turn table Drawing

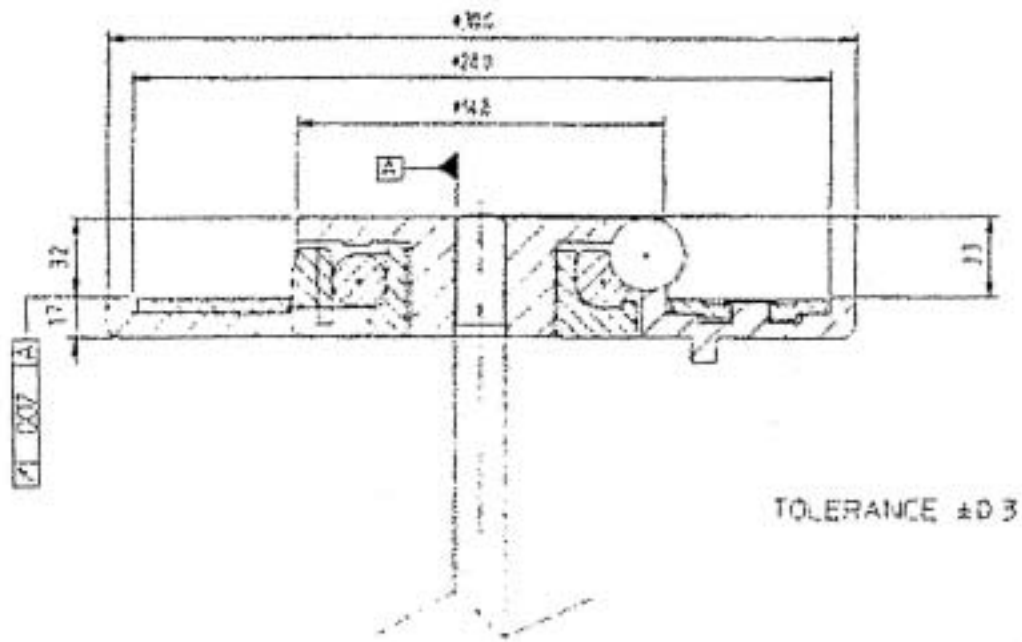


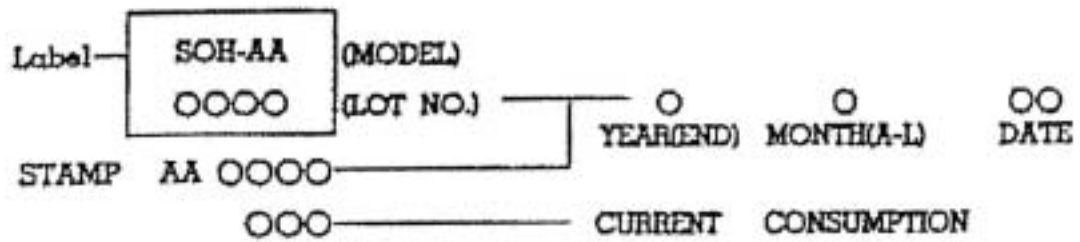
FIG. 7. Characteristics of Spindle / Feed motor

Condition of standard use and electric characteristic (Reference Data)

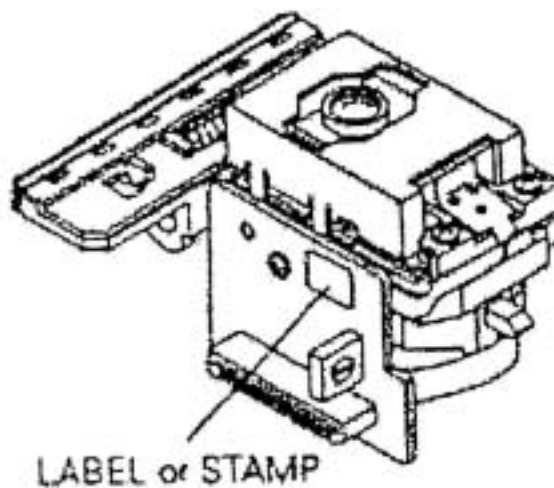
ITEMS		MABUCHI
Rated Voltage		2.5V DC
Working Voltage Range		1.6 ~ 6V DC
Rated Load		4 g – cm
Direction of rotation		Clockwise
Speed at in rated load	At rated Voltage and rated load	2050 ± 210 rpm
Current at in rated load	At rated Voltage and rated load	< 85 mA
Start Toque	At rated Voltage	9g-cm
Start Current	Rated Voltage	220 ± 2.5mA
Stall Torque	Rated Voltage	15 ± 5g 0cm

7 INDICATION

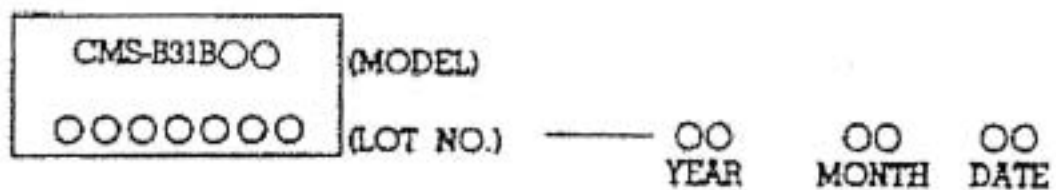
- a. Optical Pick-up
 - i. Label or stamp



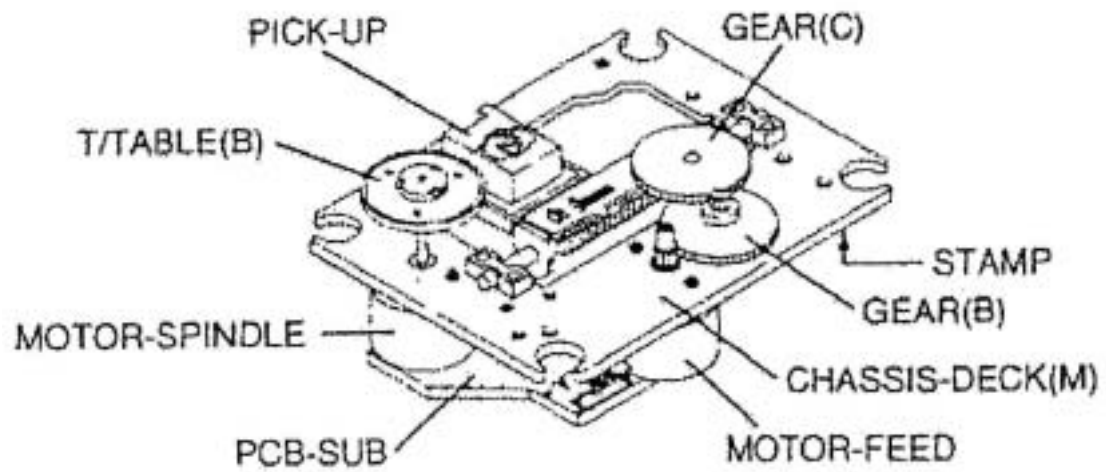
- ii. Marking Place



- b. Drive Unit
 - i. Stamp



ii. Position



8 SAFETY PRECAUTION

- a. Maximum rating voltage
Even if for short time, it is prohibited to use condition of over maximum rating voltage. If not, the original characteristic may be damaged and not covered eternally
- b. Recommended moving condition
We guarantee this product only under the recommend condition. We don't guarantee using this product under maximum ratings.
- c. Your eyes may be damaged
Do not look the beam directly through objective lens nor indirectly through mirror. The intensity of the focused spot may damage your eyes.
- d. Laser diode is subject to be damaged by static electric handling optical pick up. Please take on the following:-
 - i. Lay a conductive mat on the work bench surface and ground the bench surface through $1\text{M}\Omega$.
 - ii. Each worker must wear a properly grounded earth band ($1\text{M}\Omega$)
- e. Laser diode is subject to be damaged by heavy current. Please be cautious not to induce spark current or over rating current.
- f. To prevent damage caused by static electric, terminal laser diode is shorted to ground before using it, please open short.
- g. Please don't use other APC, the ratings are pre set through this APC circuit.
- h. Characteristic of the object lens may change if dust adhere on it. Wipe softly with lens-cleaning paper and some drops isopropyl alcohol to clean the lens.
- i. Please use the natural of alkaline oil in shaft, rack and sliding for the better quality (eg. GREASE EM-50L MOLYKOTE)

9 OTHERS

AM performance specifications (MW)

NO	DESCRIPTION		UNIT	NOMINAL	LIMIT
1	Intermediate frequency		KHz	465	+/-3
2	Tuning range		KHz	525-1620	+/-5
3	Dial calibration	600KHz	KHz	0	+/-70
		1400KHz	KHz	0	+/-70
4	Max sensitivity	600KHz	uV/M		
		1000KHz	uV/M		
		1400KHz	uV/M		
5	20 dB quieting sensitivity	600 KHz	uV/M	600	1000
		1000KHz	uV/M	600	1000
		1400KHz	uV/M	600	1000
6	IF rejection	600KHz	dB	40	30
7	Image rejection	1400KHz	dB	30	25
8	S/N ratio 5mV/M input		dB	400	30
9	AGC figure of merit	100mV/M	dB	40	30
10	A.C.A at 20dB S/N	+/-10KHz	dB	18	12
11	-6dB band width at 20dB S/N		KHz	8	5-10
12	T.H.D	5mV/M 30% mod	%	1	3
		100mV/M 80% mod	%	3	5
13	Modulation hum	100mV/M	dB	35	30
14	Frequency response	-6dB low 400 Hz=0dB	Hz	60	100
		5mV/M high	Hz	2000	1600
15	Output power % mod, 5mV/M		W		
16	10% THD power 80% mod, 5mV/M		W	7.5	+/-0.5
17	Hum & Noise level VR min		mV	1	3
18	Whistle at 5mV/M IFX2, FIX3		%		
19	Spurious response at 1400KHz 2.5 MHz-10MHz		dB		
20	AM signal meter	5mV/M	%		
21	Record deat	5mV/M	%		
22	FAIL OUT VOLTAGE	(DC)	V		
		(AC)	%		

AM performance specification (LW)

NO	DESCRIPTION		UNIT	NOMINAL	LIMIT
1	Tuning range		KHz	150-280	+/-5
2	Dial calibration	170KHz	KHz	0	+/-15
		260KHz	KHz	0	+/-50
3	Max sensitivity	KHz	uV/M		
		KHz	uV/M		
		KHz	uV/M		
4	20 dB quieting sensitivity	170KHz	uV/M	2500	5000
		210KHz	uV/M	2500	5000
		260KHz	uV/M	2500	5000
5	IF rejection	KHz	dB		
6	Image rejection	260KHz	dB	25	18
7	S/N ratio at 100 mV/M	210 KHz	dB	30	25
8	Modulation hum at 100 mV/M	KHz	dB		

FM performance specification

NO	DESCRIPTION		UNIT	NORMINAL	LIMIT
1	Intermediate frequency		MHz	10.7	+/-0.15
2	Tuning range		MHz	87.35-108.25	+/-0.15
3	Dial calibration	90MHz	KHz	0	+/-700
		106MHz	KHz	0	+/-700
4	Max sensitivity IHF	90MHz	uV		
		98MHz	uV		
		106MHz	uV		
5	30 dB quieting sensitivity	90MHz	uV	10	20
		98MHz	uV	10	20
		106MHz	uV	10	20
6	IF rejection	90MHz	dB	50	45
7	Image rejection	106MHz	dB	26	20
8	S/N ratio 1mV input 22.5 KHz dev		dB	40	35
9	3 dB limiting sensitivity		uV	10	20
10	T.H.D 22.5 KHz dev		%	1	3
11	AM suppression		dB	32	26
12	Modulation hum 100 MV 22.5KHz dev		dB	45	40
13	AFC hold rang -3 dB 1mV		KHz	400	300-600
14	Frequency response -3dB with 50 usec pre-emphasis		Hz	60	200
			KHz	12	10
15	Overload break		mV		
16	Output power 32 KHz dev 1mV		W		
17	10% THD power 60KHz dev. 1mV		W	7.5	+/-0.5
18	Hum & Noise level		mV	2	5
19	Spurious response		dB		
20	Muting on level		uV		
21	Muting bandwidth		KHz		
22	Alternate channel selectivity 0.1mV input +/-	KHz	dB		
23	Capture ration	1mV	dB		
24	FAIL OUTPUT VOLTAGE	(DC)	V		
		(AC)	%		

NO	DESCRIPTION		UNIT	NORMINAL	LIMIT
25	MPX indicator		uV	10	20
26	MPX separation	100Hz	dB		
		1k Hz	dB	26	20
		10K Hz	dB		
27	MPX T.H.D. Main L. or R.	400Hz	%	2	3
		1K Hz	%	2	3
28	MAX 50dB quieting sensitivity	98MHz	dB		
29	MPX S/N ratio		dB		
30	FM signal meter	%			
31	SCA signal suppression	dB			

Cassette (magnet erase)

NO	DESCRIPTION		UNIT	NOMINAL	LIMIT
1	Tape speed	B-111N	%	3000 Hz	+3, -2
2	Wow & Flutter WRMS JIS		%	0.1	0.35
3	Distortion	B-118N	%	1	3
4	S/N ratio	B-112S	dB	40	35
5	Cross talk	B-121N	dB	35	28
6	Separation	B-141N	dB	30	25
7	Hum & noise VR Max		mV	30	70
8	Hum & noise VR min		mV	1	3
9	Frequency response Play Back (B-257C)	125Hz	dB	0	+/-4
		1000Hz	dB	0	0
		6300Hz	dB	0	+/-4
10	Output level		mV		
11	10% THD power	B-112BN	W	7.5	+/-0.5
12	Max power	B-112BN	dB	30	25
13	S/N Recording P.B. at -46 dbv, 1K Hz	Normal	dB	30	25
		Cro2	dB		
		Matal			
14	Erase ratio at -46 dbv, 1K Hz	Normal		30	25
		Cro2			
		Matal			
15	Rec/P.B. Level at -46 dbv, 1K Hz	Normal			
		Cro2			
		Matal			
16	Line input sensitivity		dB		
17	Mic input sensitivity		dB		
18	Peak level 1		dB		
	Peak level 2		dB		
19	Frequency response Rec./P.	125Hz	dB	0	+/-6
	Recording level (B-257)	1000Hz	dB	0	0
	TAPE 2 TO TAPE 1	6300Hz	dB	0	+/-6
20	Rec./P.B. distortion	Normal	%		
	-66dBV, 1K Hz	Cr02	%		
	CD PLAY, SONY 3-18	Metal	%	5	8
21	AIC Rec. /P.B. distortion -40 dbv input 1K Hz CD PLAY, SONY 3-14		%		
22	FAIL OUTPUT VOLTAGE	(DC)	V		
		(AC)	%		

10 PART LIST

NO	PART NO	QTY	DESCRIPTION	DESTINATION
1	158-260001-001	1	MAIN PCB MIC260A ASS'Y 2.5W (3 BAND)	
2	102-114212-07	1	AM IFT 4A212R(MT212-1214) YELLOW	T 102
3	102-217127-07	1	FM IFT 7A127N (MT213-1129) ORANGE	T 101
4	102-217155-07	1	FM DET 7A155R (MT213-1213) PINK	T 104
5	102-811383-07	1	AM OSC 1A383N (MT211-1223) RED	T 103
6	103-132025-14	1	LW ANT COIL 320:25 130MM*4	L 105
7	103-412220-15	1	MW ANT COIL 122:20 150MM x 4	L 105
8	104-025050-07	1	FM COIL 5.0 x 2.5t X 0.7 MM	L 101
9	104-035045-07	1	FM COIL 4.5 x 3.5T x 0.7 MM	L 102
10	104-045045-07	1	FM COIL 4.5 x 4.5T x 0.7 MM	L 103
11	107-300465-16	1	CERAMIC FILTER 465KHZ	CF 102
12	107-310700-16	1	CERAMIC FILTER 10.7MHZ	CF 101
13	112-103321-08	1	SEMI FIXED RESISTOR B-10K OHM(H)	VR 101
14	113-100105-12	1	CAR RESISTOR 10 OHM ¼ W	R 101
15	113-101105-12	3	CAR RESISTOR 100 OHM ¼ W	R 102, 318-9
16	113-102105-12	2	CAR RESISTOR 1K ¼ W	R 103, 323
17	113-103105-12	8	CAR RESISTOR 10K ¼ W	R 118, 120, 314-5, 322, 328-9, 401
18	113-104105-12	6	CAR RESISTOR 100K ¼ W	R 105, 111, 115, 116, 332, 417
19	113-151105-12	1	CAR RESISTOR 150 OHM ¼ W	R 108
20	113-155105-12	2	CAR RESISTOR 1.5W ¼ W	R 316, 317
21	113-221105-12	1	CAR RESISTOR 220 OHM ¼ W	R 305
22	113-222105-12	3	CAR RESISTOR 2.2K ¼ W	R 112, 325-6
23	113-223105-12	5	CAR RESISTOR 22K ¼ W	R117, 119, 121, 312-3, 330
24	113-229205-12	2	CAR RESISTOR 2.2 OHM ½ W	R 418, 420
25	113-331105-12	2	CAR RESISTOR 330 OHM ¼ W	R 104, 335
26	113-333105-12	6	CAR RESISTOR 33K ¼ W	R 301, 304, 310-1, 324, 331
27	113-470105-12	2	CAR RESISTOR 47 OHM ¼ W	R 109-10
28	113-471105-12	2	CAR RESISTOR 470 OHM ¼ W	R 419, 421
29	113-472105-12	9	CAR RESISTOR 4.7K ¼ W	R 113, 320-1, 336-7, 302-3, 306-7
30	113-473105-12	3	CAR RESISTOR 47K ¼ W	R 308-9, 406
31	113-682105-12	1	CAR RESISTOR 6.8K ¼ W	R 114
32	120-110401-04	0	PVC AM 126PF FM20PF KG2220T28	PVC 101
33	120-111000-01	0	PVC PM204HK-04H	PVC 101

34	120-111000-09	1	PVC DF443DF01-A04	PVC 101
35	122-200100-00	2	TRIMMER 20PF	VC 101-2
36	123-101340-13	1	C.CAP 10PF	C 115
37	123-101340-13	1	C.CAP 100PF	C 114
38	123-102370-16	1	C.CAP 1000PF	C 104
39	123-104370-16	1	C.CAP 0.4UF	C 129
40	123-131340-13	1	C.CAP 130PF	C 117
41	123-180350-16	3	C.CAP 18PF	C 101, 105, 109
42	123-200350-16	1	C.CAP 20PF	C 108
43	123-222370-16	2	C.CAP 2200PF	C 132, 134
44	123-223370-16	15	C.CAP 0.022UF	C 106, 111, 118, 120, 126, 138, 318, 409-10
45	123-300350-16	2	C.CAP 30PF	C 102-103
46	123-473370-16	1	C.CAP 0.04UF	C 122
47	123-501350-16	1	C.CAP 500PF	C 130
48	123-509350-16	1	C.CAP 5PF	C 112
49	123-809350-16	1	C.CAP 8PF	C 107
50	126-122071-01	1	MYLAR CAP 0.0012UF	C 135
51	126-223071-01	2	MYLAR CAP 0.022UF	C 304-5
52	126-472071-01	2	MYLAR CAP 0.0047UF	C 131, 133
53	126-562071-01	1	MYLAR CAP 0.0056UF	C 125
54	127-105048-01	3	ELE. CAP 1UF/16V	C 124, 325-6
55	127-107048-01	6	ELE. CAP 100UF/ 16V	C 121, 308, 311, 412, 414, 416
56	127-107058-01	1	ELE. CAP 100UF/ 25V	C 412
57	127-224048-01	1	ELE. CAP 0.22UF /16V	C 128
58	127-226038-01	1	ELE. CAP 22UF/ 16V	C 123
59	127-227038-01	3	ELE. CAP 220UF / 16V	C 313, 317, 411
60	127-228048-01	1	ELE. CAP 2200UF /25V	C 328
61	127-335048-01	1	ELE. CAP 3.3UF/ 16V	C 127
62	127-474048-01	1	ELE. CAP 0.47UF /16V	C 116
63	127-475048-01	11	ELE. CAP 4.7UF /16V	C 302-3, 306-7, 309-10, 312, 315, 319-20
64	127-476038-01	4	ELE. CAP 47UF /16V	C 110, 119, 415, 417
65	130-134148-00	4	DIODE IN 4148	D 102, 301-3, 401-10
66	130-314002-00	4	DIODE IN4002	D411-8
67	130-410082-00	2	ZENER DIODE 8.2V	ZD 301, 403
68	130-410091-00	1	ZENER DIODE 9.1V	ZD 402
69	131-230945-84	2	TRANSISTOR 2SC945	Q301-2

70	131-232060-18	1	TRANSISTOR 2SC2060R	Q 408
71	131-448050-66	1	TRANSISTOR JE8050C	Q409
72	133-101186-16	1	IC LA1186	IC 101
73	133-101805-16	1	IC LA1805	IC 102
74	133-101810-16	0	IC LA1810	IC 102
75	133-805123-66	0	I.C. TD5123	IC 301
76	133-809153-14	0	I.C. TC 9153	IC 301
77	133-809153-66	1	I.C. SC9153	IC 301
78	145-043112-11	1	SLIDE SWITCH SK43D16M11	SW2
79	145-043111-13	1	SLIDE SWITCH SK43D03M13	SW1
80	160-102255-01	5	PIN SOCKET 2 PIN 2.5MM	CN101-2, 401-6
81	160-103255-01	1	PIN SOCKET 3PIN 2.5MM	CN 402
82	160-105255-01	1	PIN SOCKET 5PIN 2.5MM	CN301
83	1822-221000-00	1	FUSE 250V 1A (5 x 20MM)	F 403
84	183-220100-02	1	FERRITE BAR 10 x 100MM Q2M	MADE IN TAIWAN
85	190-260001-01	1	MAIN PCB 260A PM1	
86	718-020040-00	4	BRASS EYELET DIA 2*4 MM	FOR AC* 4, FM ANT*2
87	733-005020-00	2	FUSE HOLDER (5 x 20MM)	F 403, F2
88	C16-005000-00	33	JUMPER WIRE 0.5 x 40MM	J1-27, R348
89	158-026016-01	1	CASSETTE PCB VT260A ASSY	
90	102-819908-01	0	BIAS COIL # 1A1630R	T201
91	102-819908-01	1	BIAS COIL #21364-230	T201
92	102-819908-03	0	BIAS COIL	T201
93	102-961424-13	0	BIAS COIL #12DM-N961424	T201
94	113-101105-12	1	CAR. RESISTOR 100 OHM ¼ W	R214
95	113-103105-12	1	CAR. RESISTOR 10K ¼ W	R201-2
96	113-220105-12	1	CAR. RESISTOR 22 OHM ¼ W	R216
97	113-273105-12	1	CAR. RESISTOR 27K ¼ W	R217
98	113-470105-12	2	CAR. RESISTOR 47 OHM ¼ W	R207, 209
99	113-472105-12	4	CAR. RESISTOR 4.7K ¼ W	R211, 213, 218-9
100	113-473105-12	4	CAR. RESISTOR 47K ¼ W	R206-7, 222-3
101	113-560105-12	1	CAR. RESISTOR 56 OHM ¼ W	R215
102	113-562105-12	2	CAR. RESISTOR 5.6K ¼ W	R210, 212
103	113-684105-12	1	CAR. RESISTOR 680K ¼ W	R 208
104	123-223370-16	2	C.CAP 0.022UF	C218, 222
105	123-301350-16	1	C.CAP 300PF	C219
106	126-102071-01	2	MYLAR CAP 1000PF	C220, 223
107	126-152071-01	2	MYLAR CAP 1500PF	C205-6

108	126-223071-01	2	MYLAR CAP 0.022UF	C210-11
109	126-332071-01	2	MYLAR CAP 3300PF	C201-2
110	126-392071-01	1	MYLAR CAP 3900PF	C224
111	127-105048-01	1	ELE. CAP 1UF/16V	C207
112	127-106048-01	1	ELE. CAP 10UF/16V	C214
113	127-107048-01	1	ELE. CAP 100UF/16V	C215
114	127-226048-01	2	ELE. CAP 22UF/16V	C208-9
115	127-227048-01	1	ELE. CAP 220UF/16V	C221
116	127-335048-01	2	ELE. CAP 3.3UF/16V	C216-17
117	127-475048-01	2	ELE. CAP 4.7UF/16V	C212-3
118	130-134148-00	2	DIODE IN4148	D201-2
119	131-448050-66	1	TRANSISTOR JE 8050C	Q201
120	133-207312-11	0	IC AN7312	IC201
121	133-207312-66	1	IC UTC7312	IC201
122	144-062015-05	1	REC SW 6P2T PS62D04 NON-SHORTING	SW 201
123	160-102205-02	1	PIN SOCKET 2 PIN 2.0MM	CN 203
124	160-103255-01	1	PIN SOCKET 3 PIN 2.5MM	CN 205
125	160-104255-01	2	PIN SOCKET 4 PIN 2.5MM	CN 201-02
126	190-990803-01	1	CASSETTE PCB 9908PC1	
127	C 16-005000-00	3	JUMPER WIRE 0.5 x 40MM	J201-2, 308
128	158-200900-03	1	POWER PCB TDA2009A 9A1 ASSY	
129	113-109105-12	2	CAR. RESISTOR 1 OHM ¼ W	R 303-4
130	113-122105-12	2	CAR. RESISTOR 1.2K ¼ W	R301, 306
131	113-180105-12	2	CAR. RESISTOR 18 OHM ¼ W	R305, 307
132	123-223370-16	5	C.CAP 0.022UF 50V	C313-7
133	126-104071-01	2	MYLAR CAP 0.1UF	C311-2
134	127-108048-01	2	E.CAP 1000UF/16V	C703, 707
135	127-226052-01	1	E.CAP 22UF/25V	C318
136	127-227048-01	2	E.CAP 220UF/16V	C305-6
137	127-228068-01	1	E.CAP 2200UF/35V	C301
138	127-475072-01	2	E.CAP 4.7UF/50V	C303-4
139	130-315392-00	4	DIODE IN 5392	D301,-4
140	133-202009-31	1	I.C. TDA2009A	IC301
141	160-103255-01	2	PIN SOCKET 3 PIN 2.5MM	CN301-2
142	182-222000-00	1	FUSE 250V 2A (5*20MM)	F701
143	190-200900-03	1	POWER PCB TDA2009A PA1	
144	718-020040-00	2	BRASS EYELET DIA 2*4MM	FOR T301-2
145	733-005020-00	2	FUSE HOLDER (5*20MM)	

146	C16-005000-00	1	J UMPER WIRE 0.5 x 40MM	J301
147	158-260002-01	1	KEY PCB MIC260A ASS'Y	
148	105-300455-29	1	CERAMIC RESONATOR 455KHZ	X1
148	123-101350-41	2	C.CAP 100PF	C1-2
149	123-271340-13	1	C.CAP 270PF	C1-2
148	127-475048-01	1	E.CAP 4.7UF/16V	CN2
150	133-806121-11	1	IC D6121G-002/ PT2221	ICI
151	147-110143-00	6	TACT SWITCH H:4.3 MM/5 TERMINAL	K2-8
152	190-260011-01	1	KEY PCB 260VK1	
153	C16-005000-00	1	JUMPER WIRE 0.5 x 40MM	J1
154	158-026005-01	1	JACK PCB MIC 260A ASS'Y	
155	113-221105-12	2	CAR RESISTOR 220 OHM ¼ W	R327, 348
156	161-103513-20	1	3.5 JACK 5 PIN TC-38-020-03	JACK
157	190-260005-01	1	JACK PCB 260A PJ1	
158	158-260003-01	1	LCD PCB MIC260A ASS'Y	
159	130-520523-00	2	LED LAMP RED 2 x 5 TLR208	ST/LED.SY/LED
160	135-530105-00	0	LCD DISPLAY UTN-H038EV	LCD1
161	135-530105-04	1	LCD DISPLAY TCM-639B	LCD1
162	135-530105-05	0	LCD DISPLAY SD-661UPT2P	LCD1
163	158-013450-20	1	L-1345 PCB (DISPLAY IC)	
164	158-014020-20	0	XL-1402 PCB (DISPLAY IC)	
165	160-41925-11	1	PIN SOCKET 19PIN 2.5MM	CN5
166	190-260009-01	1	LCD PCB 260VL1	
167	158-260008-01	1	CD BULB PCB MIC 260 ASS'Y	
168	187-910625-25	1	LIGHT BULB TYPE 9V 100MA	
169	190-260008-01	1	BULB PCB 260APA1	
170	158-260006-01	1	VOLUME PCB MIC260A ASS'Y	
171	144-022416-05	1	MINI PUSH SW PS-22 F08L-0	SW402
172	144-022416-11	0	MINI PUSH SW PS-22 C01	SW402
173	144-022416-12	0	MINI PUSH SW PS-22 C02	SW402
174	144-022417-10	0	MINI PUSH SW PS-22 C02	SW402
175	147-110143-00	2	TACT SWITCH H: 4.3MM /5 TERMINAL	SW501-2
176	147-110143-03	0	TACT SWITCH H: 4.3MM/5 TERMINAL	SW501-2
177	190-260006-01	1	VOLUME PCB 260APK2	

178	158-260004-01	1	REM PCB MIC260A ASS'Y	
179	113-101005-12	1	CAR RESISTOR 100 OHM 1/16 W	R6
180	113-181005-12	1	CAR RESISTOR 180OHM 1/16 W	R5
181	113-330005-12	1	CAR RESISTOR 33 OHM 1/16 W	R4
181	127-107048-01	1	ELE. CAP 100UF/16V	C4
182	130-600012-04	1	INFRARED DIODE KL-1L2 (KODENSHI)	LD801
183	131-230945-84	1	TRANSISTOR 2SC945	Q2
184	136-326043-01	0	OPTIC R/C REC MODULE PIC-26043TM2	REM1
185	145-042112-10	1	SLIDE SWITCH SS42H08M10	SW3
186	190-260010-01	1	REM PCB 260VR1	
187	158-988181-01	1	VCD POWER PCB	
188	113-122105-12	1	CAR. RESISTOR 1.2K ¼ W	R4
189	113-471105-12	1	CAR. RESISTOR 470 OHM ¼ W	R3
190	113-473105-12	1	CAR. RESISTOR 47K ¼ W	R1-2
191	123-223370-16	7	C.CAP 0.022UF	C1-5, 10-11
192	127-108048-01	2	E.CAP 1000UF/16V	C7-8
193	127-108058-01	1	E.CAP 1000UF/25V	C9
194	127-28058-014	1	E.CAP 2200UF/25V	C6
195	130-314002-00	4	DIODE IN4002	D1-4
196	131-230945-84	1	TRANSISTOR 2SC 945	Q701
197	131-220772-66	1	TRANSISTOR 2SB772P	Q702
198	133-507805-61	1	I.C. KA7805	IC2
199	133-507808-61	1	I.C. KA7808	ICI
200	160-102205-02	1	PIN SOCKET 2 PIN 2.0MM	CN2
201	182-222000-00	1	FUSE 250V 2A (5*20MM)	F701
202	190-988181-01	1	VCD-POWER PCB	
203	718-020040-00	2	BRASS EYELET DIA 2*4 MM	AC1-2
204	733-005020-00	2	FUSE HOLDER (5*20MM)	
205	C16-005000-00	1	JUMPER WIRE 05 x 40MM	
206	101-669908-1A	1	TRANSFORMER EI-66 (7.5W)	
207	127-335058-01	1	ELE. CAP 3.3UF/25V	FOR TAPE DECK
208	133-002002-84	1	IC #020	
209	144-011417-18	0	P.B. POWER SW PS3 1P1T	
210	144-011417-19	1	POWER SW PS4E-A039	
211	144-011419-18	0	POWER SW #PS3-22SPA-W4AZ	
212	144-011422-18	0	POWER SW MATSUSHITA 1P1T	

213	144-160101-00	0	POWER SW R13-66A	
214	147-110102-01	1	QUICK ACTION SWITCH QAS-1229-4	CD SW
215	147-120222-00	1	SS12J01G0B AC110/220V SW	
216	158-088103-00	1	ESS + SAMSUNG M-PEG BOARD	
217	161-991000-00	1	PCA JACK	
218	166-245020-30	2	2" Y45 4 OHM 10W BLACK PAPER CONE & CAP	
219	166-3242150-50	2	5" Y70 4 OHM 15-20W BLACK FOAM EDGE BLACK PAPER CONE & CAP	
220	166-RCA112-00	1	RCA-112-010 HOLE JACK	
221	171-710078-80	1	UL APP LINE CORD	
222	184-251512-00	1	FERRITE CORE 25 x 12 x 15	
223	194-079030-10	2	CLOSE END CONNECTOR KS CE2	
224	303-101010-00	2	SPNGE 10* 10* 10 MM	FOR FM COIL
225	303-161008-00	1	SPONGE 16* 10* 8 MM	
226	305-026001-00	4	RUBBER FOOT	
227	308-003103-00	4	CD RUBBER CUSHION	
228	228-441-030801-21	1	TAPE DECK 21 SH2045 (H) 9V (TRI-HONOR)	
229	444-003023-06	1	CD DECK CMS-B31B	
230	950-990102-00	8	RUBBER PLUG	FOR SPEAKER
231	951-099101-00	1	80* 8.5 * 2 MM RUBBER	
232	C01-010020-00	28	UL 2MM PVC (7* 2.0MM)	
233	C01-010033-00	1	UL PVC TUBING 3.38 MM (35*3.38MM)	FOR AM ANT*1
234	C01-030100-01	2	UL 10MM SHRINK TUBE	
235	C01-030080-01	3	UL 8MM SHRINK TUBE	
236	C01-030254-01	2	UL SHRINK TUBE 25.4 MM	
237	C08-000020-00	10	CABLE TIE 3"	
238	C15-000050-00	1	DIAL CORD 600 * 0.5MM	
239	SPK-0015A0-00	2	#LE15A SPK CLOTH	
240	171-612301-02	1	UL 2468 #26 AWG 300MM 2P1H 2.5MM	
241	172-026150-40	1	UL1007 #26 AWG 1500MM IP	FM ANT
242	177-422017-42	1	UL1672 #22 AWG 170MM IP	FOR PM1GND
243	177-422015-42	1	UL1672 #22 AWG 150MM IP	
244	177-422025-42	1	UL1672 #22 AWG 250MM IP	
245	177-602200-01	2	UL1007 #26 AWG 200MM	
246	177-602250-01	2	UL1007 #26 AWG 250MM	
247	177-602021-01	1	UL1007 #26 AWG 130MM	

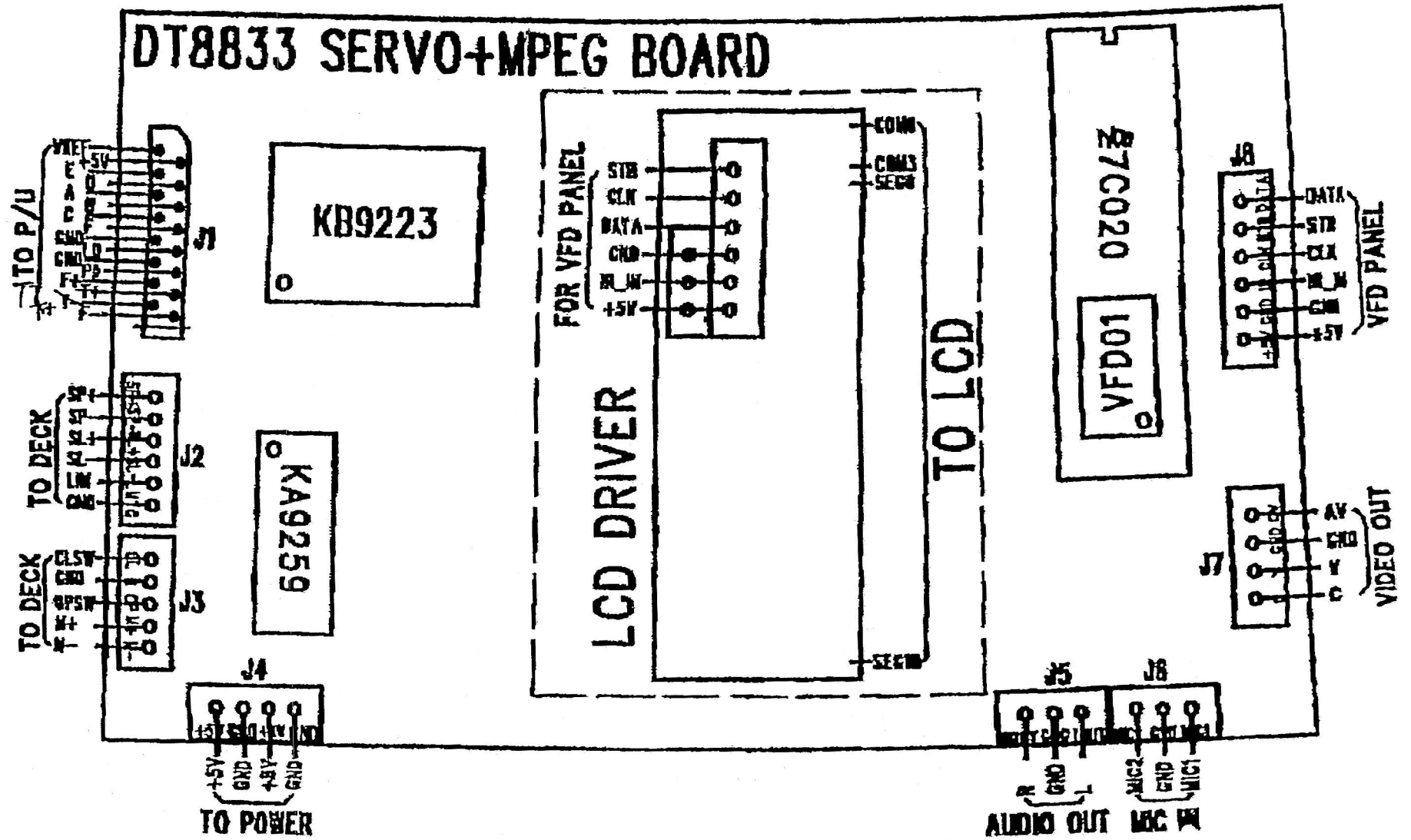
248	177-612101-06	1	UL2468 #26 AWG 100MM 6P2H 2.0MM	CD DECK MOTOR TO CD PCB J2
249	177-612111-02	2	UL2468 #26 AWG 110MM 2P1H 2.5MM	OM1 CN101 TO PRI CN103/PM1 CN405 TO PA1 CN411
250	177-612121-02	1	UL2468 #26 AWG 120MM 2P1H 2.5MM	PM1 CN102 TO PL1 CN105
251	177-612121-03	1	UL2468 #26 AWG 120MM 3PIH 2.5MM	PM1 CN402-TO PK2 CN407
252	177-612130-06	1	UL1007 #26 AWG 130MM 6PIH 2.5MM	L1345 PCB TO VCD PCB JP5
253	177-612151-04	1	UL2468 #26 AWG 150MM 4PIH 2.5MM	
254	177-612181-02	1	UL1007 #26 AWG 180MM 2PIH 2.5MM	
255	177-611801-02	1	UL1007 #26 AWG 180MM 2PIH 2.5MM	
256	177-612209-01	1	UL1007 #26 AWG 200MM*1 2PIW 2.5MM	PM1 TO CN303 TO VCD-POWER CN2
257	177-612251-05	1	UL2468 #26 AWG 250MM 5P3W1H 2.5MM	
258	177-612351-02	1	UL1007 #26 AWG L1=350MM/L2=200MM 2PIH	PM1 CN406 TO DECK MOTOR
259	177-624151-00	1	UL2468 #26 AWG 150MM 3P	
260	177-624281-00	1	UL2468 #26 AWG 280MM 3P	
261	177-822120-16	1	16 PINAWM 2896 SUPER FLEX L=120MM	CD DECK TO MPEG PCB J1
262	181-313150-31	1	UL2854 #30 T/S 150MM 4PIH 2.5MM	TAPE DECK TO PC1 CN201
263	181-313160-41	1	UL2854 #30 T/S 160MM 5PIH 2.5MM	PM1 CN301 TO PK2 CN306
264	181-800200-20	1	UL2547 #28 D/S & UL1007 #26 AWG *2 200MM 4PIH 2.0MM	PM1 CN303 TO 808A PCB CN21
265	181-803120-12	1	UL1533 #28 S/S 120MM 2P	
266	181-803180-12	1	UL1533 #28 S/S 180MM 4P2W1H 2.5MM	
267	181-803220-10	1	UL1533 #28 S/S 220MM 2PIH 2.0MM	PR1 CN104 TO PCI CN203 B/K
268	181-812020-20	1	UL2547 #28 D/S 200MM 3PIH 2.5MM	
269	181-812025-20	2	UL2547 #28 D/S 250MM 3P1H 2.5MM	
270	181-813160-20	3	UL2547 #28 D/S 160MM3PIH 2.5	
271	181-813220-20	1	UL2547 #28 D/S 220MM 3PIH 2.5MM	
272	181-813250-20	1	UL2547 #28 D/S 250MM 3PIH 2.5MM	
273	181-813300-20	1	UL2547 #28 D/S 300MM 3PIH 2.5MM	PJ1 CN405 TO 9908PJ5 CN6

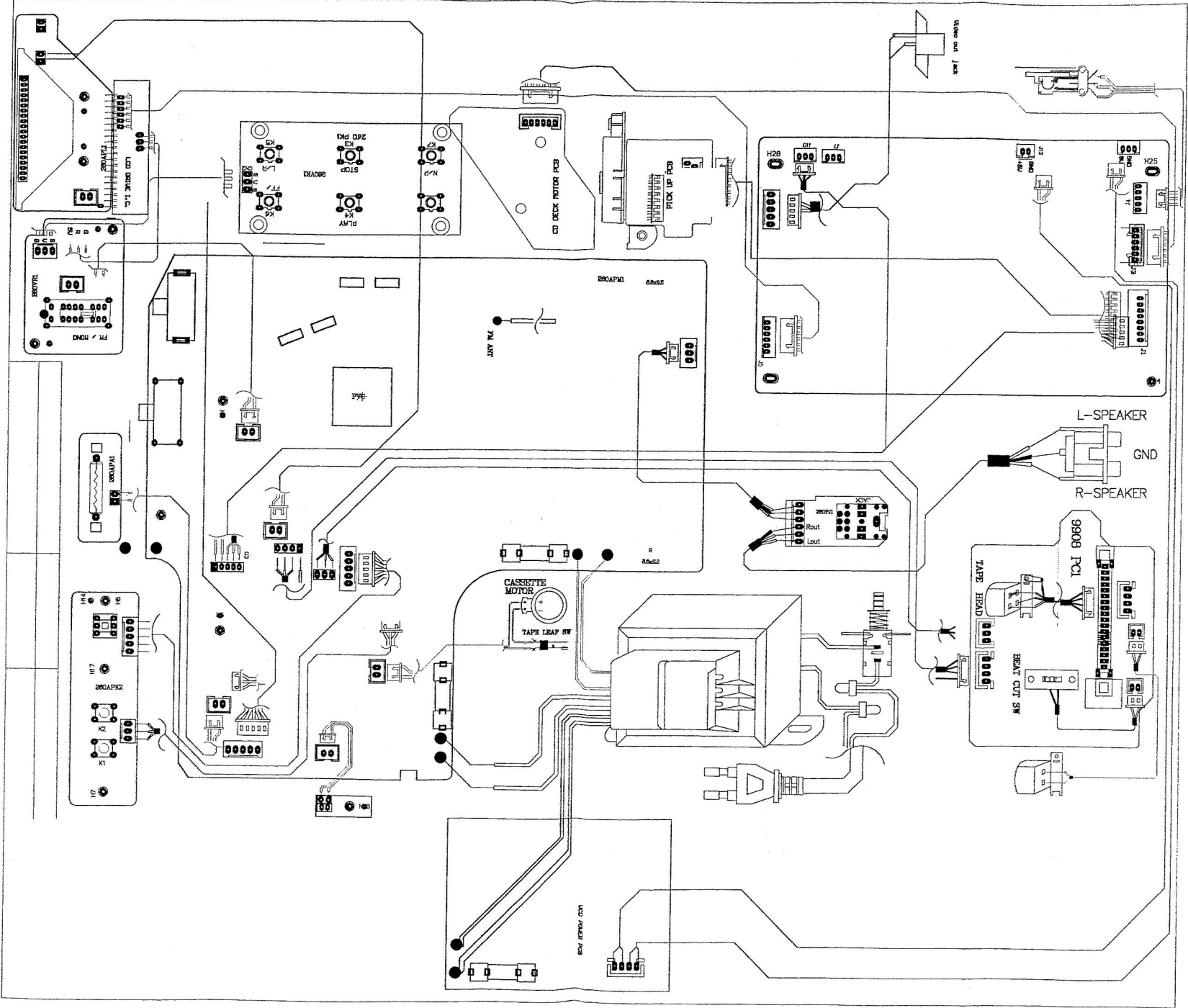
274	181-813350-20	1	UL2547 #28 D/S350MM 3PIH 2.5MM	
275	188-990800-01	2	SPEAKER /LEAD WITH RCA PLUG #24 1.5M	
276	188-VCD990-80	1	1P RCA-RCA AV WIRT 1200MM	
228	701-026001-00	2	PCB HOLDER	
229	701-055001-00	2	PCB BKT (A)	
230	703-026001-00	12	SCREW BKT	PANEL *6 CASS BASE *6
231	707-993302-00	2	PLATE-C	TRANSFORMER*2
232	714-990804-00	1	HEAT SINK	
233	714-990805-00	1	HEAT SINK	
734	721-013101-00	1	DIAL SPRING	
235	721-026001-00	1	CASS DOOR SPRING	
236	721-026002-00	1	CD DOOR SPRING	
237	500-030605-00	3	3* 6KT	CD DOOR*3
238	500-030802-00	10	3* 8PA	BKT-L *2/CD BASE TO PANEL 4/LCD PCB 2/LCD BKT2
239	500-030804-00	1	3*8PBA	BOTTOM BOARD *1
240	500-030817-00	2	3*8CB	CD DOOR *2
241	500-030817-00		3* 8BTB	POWER IC TO HEAT SINK *3
242	500-030817-00		3* 8BTB	POWER PCB TO HEAT SINK *4
241	500-031002-00	20	3* 10PA	VOLUME OCB *3/VCD PCB 4/LED PCB1/PHONE PCB *1
242	500-031004-00	12	3*10BA	DAMPER GEAR *2, DIAL HOLDER TO PANEL *2/SIDE BOARD *4
243	500-031208-08	9	3* 12PWA (W=8)	BACK TO SIDE BOARD *4
	500-031208-08		3* 12PWA (W=8)	BACK TO BOTTOM *1
	500-031208-08		3* 12PWA (W=8)	VIDEO PCB BKT TO CD BASE *4
244	500-260802-00	5	2.6 *8PA	LEAF SWTH *1/PART (A) *4
245	500-260808-08	1	2.6 *8PWA (W=8)	TUNING KNOB *1
246	500-261002-00	4	2.6 *10PA	CD KEY PCB *4

247	500-261008-10	4	2.6 *10PWA (W=10)	CD DECK *4
248	501-020404-00	1	2 *4TT	PCB BKT (A) *1/CD DECK COVER *3
249	501-020404-00	1	2 *4TT	CASS DECK INCLUDED
250	501-026052-00	1	2.6 *5BM	DIAL DRUM TO PVC *1
251	501-030804-01	11	3 *8TT	BOARD BOARD TO HEAT SINK *4
252	501-031002-00	14	3 *10BM	SIDE BOARD *8/BOTTOM *2
	501-031002-00		3 *10BM	MAIN PCB TO PCB HOLDER *1
	501-031002-00		3 *10BM	BACK TO PCB HOLDER *1
	501-031002-00		3 *10BM	110/220V *2
253	501-031008-00	2	3 *10BWM	BACK TO CD BASE *2
254	501-041508-00	2	4* 15BWM	TRANSFORMER *2
255	501-230404-00	0	2.3 *4TT	CASS DECK INCLUDED
256	501-230404	1	2.3 *4TT	PCB BKT (A) *1
257	501-260403-00	2	2.6 *4KM	PVC TO PCB *2
258	501-260604-00	2	2.6 *6TT	CASS PCB *2
259	502-035100-10	1	METAL WASHER 3.5 * 10*1	
260	502-042100-10	1	METAL WASHER 4.2 *10 *1	
261	502-045220-10	2	METAL WASHER 4.5 *22 *1	
262	503-030080-05	1	FIBRE WASHER 3 *8 *0.5	
263	503-030080-10	10	FIBRE WASHER 3 *8 *1	
264	503-035160-10	1	FIBRE WASHER 3.5 *16 *1	
265	504-040080-00	2	SPRING WASHER 4MM	
266	508-030000-00	2	M3 NUT	110/220V SWITCH*2
267	508-040000-00	2	M4 NUT	TRANSFORMER *2
268	806-026000-04	2	SPK BOX 150MM (4 OHM 15W)	
269	807-026002-00	1	BACK BOARD	
270	PKG-VT260A	1	PACKING PARTS LIST VT260A ASS'Y	
271	622-990821-21	1	CD PAPER DISC	
272	623-026001-37	1	#MC-VCM-1 COLOR BOX	
273	642-026000-43	1	#MC-VCM-1 I/M	
274	664-022810-20	1	CASS REFLECTIVE LABEL	
275	664-026000-24	1	QC PASSED LABEL	

276	664-026000-42	1	TEMPER RESISTANT STICKER	
277	644-026000-55	1	300 GAME LABEL	
278	644-026001-60	1	#MC-VCM-1 MODEL LABEL	
279	664-026001-53	1	CTN BOX BOTTOM LABEL	
280	664-051211-07	1	LASER BEAM LABEL	
281	664-051211-12	1	HI-POT LABEL	
282	664-053211-02	1	DATE CODE LABEL	
283	664-053211-05	1	THERMAL FUSE LABEL	
284	664-053211-08	1	LASER CAUTION LABEL	
285	664-053211-10	2	SPK LABEL	
286	664-053211-23	1	SERIAL LABEL	
287	664-053212-02	1	FRONT MARK LABEL	
288	664-099080-25	1	2000 WATTS LABEL	
289	664-099080-67	1	LINE CORD LABEL	
290	664-099100-02	1	CLASS 1 LASER LABEL	
291	664-099100-17	1	CAUTION & SAFETY LABEL	
292	664-990811-35	1	HEAT SINK LABEL	
293	800-026000-00	1	MAIN POLY FOAM (TOP)	
294	801-026000-00	1	MAIN POLY FOAM (BOTTOM)	
295	811-040090-04	1	POLY BAG 4 *9" *0.04MM	
296	811-065100-04	1	POLY BAG 6.5 *10" *0.04MM	
297	811-614104-03	3	POLY BAG 16* 24" 0.03MM	
298	PLA-VT260	1	PLASTIC PARTS VT-260A ASS'Y	
299	PS-CASS01	6	CASS KNOB BRACKET	CASS DECK INCLUDED
300	PS-CDK3309	2	DAMPER GREY GROUP	
301	PS-KS55025	2	FERRITER BAR HOLDER	
302	PS-MIC990823	1	LCD HOLDER	
303	PS-MIC990845	1	DUST SHIELDING COVER	
304	PS-VCD26001	5	SIDE BOARD WASHER	
305	PS-VCD26002	2	CD BASE WASHER	
306	PS-VT26001	1	PANEL	
307	PS-VT26002	1	CASS BASE	
308	PS-VT26003	1	CASS DOOR	
309	PS-VT26004	1	CASS KEY GROUP (1*6)	
310	PS-VT26005	1	CASS LENS	
311	PS-VT26006	1	CD DOOR	
321	PS-VT26007	1	CD DOOR LENS	
313	PS-VT26008	1	CD DOOR HOLDER	

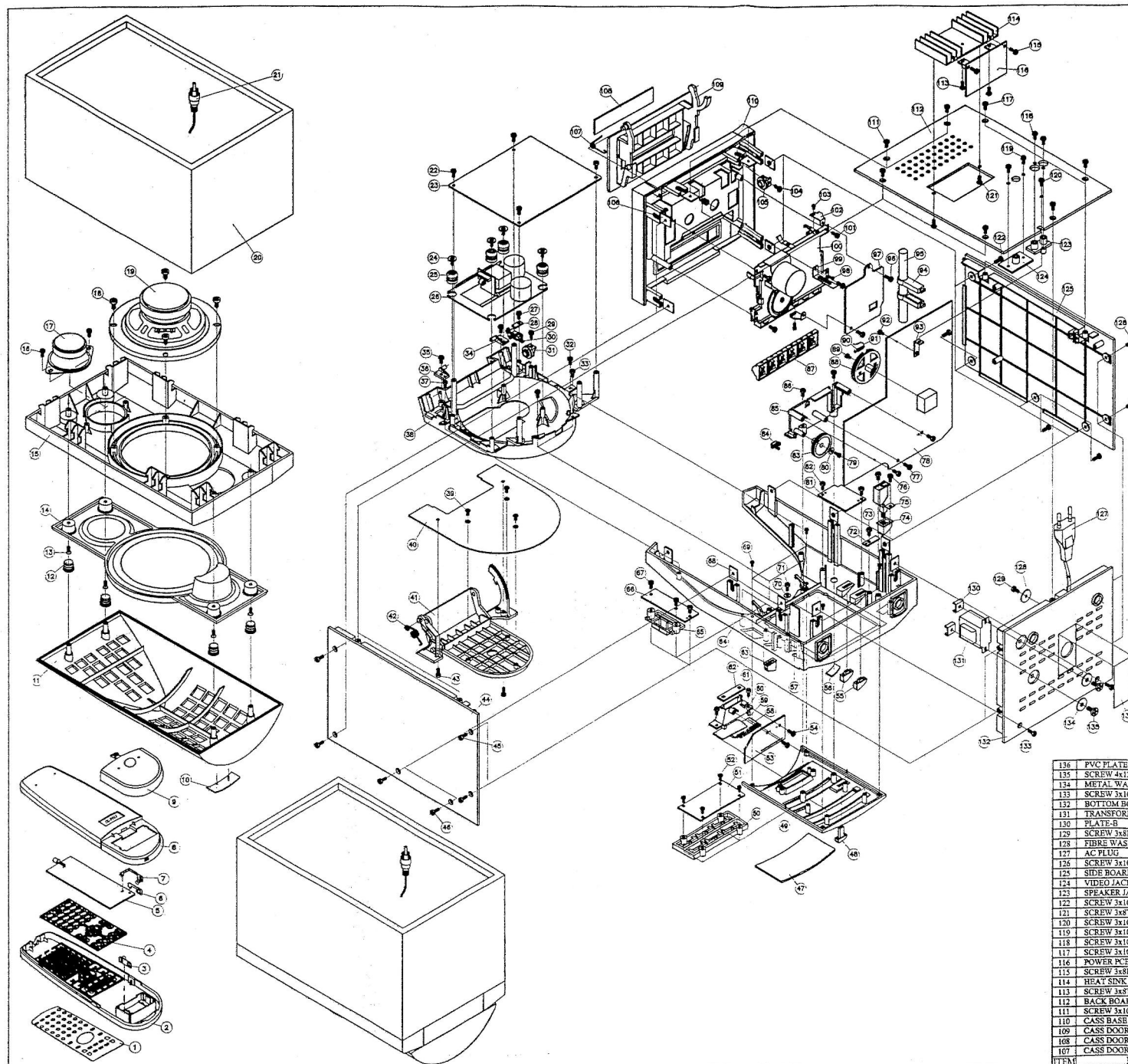
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EXPLODED VIEW

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136	PVC PLATE	1
135	SCREW 4x12BWM	2
134	METAL WASHER 4.5x16x1	2
133	SCREW 3x10BM	2
132	BOTTOM BOARD	1
131	TRANSFORMER	1
130	PLATE-B	2
129	SCREW 3x8PA	1
128	FIBRE WASHER 3.5x16x1MM	1
127	AC PLUG	1
126	SCREW 3x10BA	2
125	SIDE BOARD(L)	1
124	SPEAKER JACK	1
123	SPEAKER JACK	1
122	SCREW 3x10BM	4
121	SCREW 3x8TT	2
120	SCREW 3x10BM	12
119	SCREW 3x10BA	2
118	SCREW 3x10BA	2
117	SCREW 3x10BA	5
116	POWER PCB ASSY	1
115	SCREW 3x8BM	7
114	HEAT SINK	1
113	SCREW 3x8TT	2
112	BACK BOARD	1
111	SCREW 3x10BM	2
110	CASS BASE	1
109	CASS DOOR	1
108	CASS DOOR LENS	1
107	CASS DOOR SPRING	1
106	SCREW BKT	6
105	DAMPER GEAR ASSY	1
104	SCREW 3x10PA	1
103	SCREW 2x4TT	2
102	CASS PCB BKT	2
101	SCREW 3x10PA	4
100	CASS DECK	1
99	RECORDING PLATE	1
98	SCREW 2x3TT	1
97	CASS PCB ASSY	1
96	SCREW 2.6x6TT	2
95	FERRITE BAR	1
94	FERRITE BAR HOLDER	2
93	KARAOKE PCB BKT	1
92	SCREW 3x8BM	1
91	DIAL CORD	1
90	DIAL SPRING	1
89	SCREW 2.6x4BM	1
88	DIAL DRUM	1
87	CASS KNOB GROUP(1x6)	1
86	SCREW 3x10BA	2
85	DIAL HOLDER	1
84	POINTER	1
83	TUNING KNOB	1
82	SCREW 3x10PA	2
81	FUNCTION PCB ASSY	1
80	METAL WASHER 3x8x0.5	1
79	SCREW 2.6x8PA	1
78	MAIN PCB ASSY	1
77	SCREW 3x10PA	3
76	SCREW 3x10PA	2
75	POWER SWTH	1
74	POWER KNOB	1
73	SCREW 3x10PA	1
72	LED PCB ASSY	1
71	SCREW 3x10PA	1
70	METAL WASHER 3.2x10x0.5	1
69	SCREW 2.6x8PA	4
68	SCREW BKT	6
67	SCREW 3x10PA	3
66	VOLUME PCB ASSY	1
65	VOLUME KNOB	1
64	FRONT PANEL	1
63	BASS KNOB	1
62	LAMP PCB	1
61	SCREW 3x10PA	2
60	DISPLAY HOLDER	1
59	DISPLAY INLAY	1
58	DISPLAY	1
57	PHONE JACK PCB ASSY	1
56	REMOTE LENS	1
55	BAND KNOB	2
54	SCREW 3x10PA	1
53	DISPLAY PCB ASSY	1
52	SCREW 2.6x10PA	4
51	CD KEY PCB ASSY	1
50	CD KNOB	1
49	PARTIAL	1
48	FUNCTION KNOB	1
47	DISPLAY LENS(A)	1
46	SCREW 3x10BM	4
45	SCREW 3x10BA	2
44	SIDE BOARD(R)	1
43	SCREW CB2x8	2
42	CD DOOR SPRING	1
41	CD DOOR HOLDER	1
40	CD DOOR	1
39	SCREW 3x6KT	3
38	CD BASE	1
37	SCREW 2.6x8PA	1
36	CD DOOR BKT(R)	1
35	SCREW 3x10PA	2
34	CD DOOR BKT(L)	1
33	SCREW 3x8PA	2
32	SCREW 3x8PA	1
31	DAMPER GEAR ASSY	1
30	CD LEAF SWTH	1
29	SCREW 3x10PA	1
28	SWTH PRESSING PCB	1
27	SCREW 3x10PA	1
26	CD DECK	1
25	CD RUBBER CUSHION	4
24	SCREW 2.6x10PWA (W=0MM)	4
23	CD PCB ASSY	1
22	SCREW 3x10PA	2
21	SPEAKER PLUG	4
20	SPEAKER BOODEN BOX	2
19	SPEAKER 4" 4 OHM SW	2
18	SCREW 4x12BA	8
17	SPEAKER 2" 4 OHM SW	2
16	SCREW 3x10BA	4
15	SPEAKER PANEL	2
14	SPEAKER DECORATE PART	2
13	SCREW 3x10KA	8
12	RUBBER PLUG	8
11	SPEAKER GRILL	2
10	SPEAKER BRAND LENS	2
9	REMOTE BATTERY COVER	1
8	REMOT BACK CABINET	1
7	HANSET BATTERY PLATE(L)	1
6	HANSET BATTERY PLATE(R)	1
5	HANSET PCB ASSY	1
4	RUBBER KEY PAD	1
3	HANSET BATTERY PLATE(+)	1
2	REMOT FRONT CABINET	1
1	CUT SHEET	1
ITEM	DESCRIPTION	QTY

