ervice Manua





Portable Stereo Component CD System

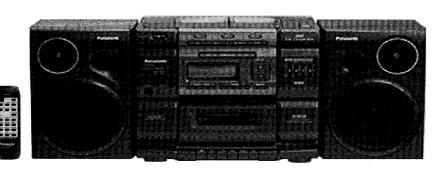
RX-DS750



(K) ... Black Type



MASH is a trademark of NTT.



TAPE SECTION: SG20 MECHANISM SERIES

CD SECTION: RAE0150Z TRAVERSE DECK SERIES

Specifications

RADIO

Frequency range

FM 87.9 - 107.9 MHz (200 kHz steps) 87.5 - 108.0 MHz (100 kHz steps)

AM 520 - 1710 kHz (10 kHz steps)

Intermediate Frequency

FΜ 10.7 MHz AM 450 kHz Sensitivity

FΜ 16 dB/50 mW ΑM 53 dB/m/50 mW

■TAPE RECORDER

Track system 4 track, 2 channel, stereo Recording system AC bias **Erasing system** Magnet (Multi pole) Monitor system Variable sound monitor Frequency range(Normal position) 50 - 13,000 Hz

■ CD PLAYER

Sampling frequency 44.1 kHz **Decoding** 16 bit linear Beam source Semiconductor laser (wavelength; 780 nm) No. of channels 2 channel, stereo 20 Hz - 20 kHz(+1, -1 dB) **Frequency Response** S/N ratio 78 dB Wow and flutter Less than possible measurement data D/A converter MASH (1 bit DAC)

■ GENERAL

Power requirement

AC 120 V, 60 Hz Power consumption: 35 W

Battery 12V (Eight "D" size, R20/LR20 batteries)

Memory back-up for

6V (Four "AA" size, R6/LR6 batteries) computer **Speakers** 12 cm (43/4" x 2 (Full range Woofers))

1.5 cm (5/8" x 2 (Tweeters))

Jacks

Speaker; $2.7 - 8 \Omega$ (Woofers) Output

Headphones;

Dimensions (W x H x D) 658 x 264 x 261.2 mm (257/8" x 103/8" x 105/16")

Main unit; 317 x 254 x 261.2 mm

(12 1/2" x 10" x 10 5/16")

Speaker box; 170.5 x 254 x 197.2 mm

(6 11/16" x 10" x 7 3/4")

6.6 kg (16 lb. 8 oz.) without batteries

Notes:

Weight

Specifications are subject to change without notice. Weight and dimensions are approximate.

⚠ WARNING

This service information is designed for experiense repair technicians only and is not designed for use by the general public. It does not contain warnings $or cautions \ to \ advise \ non-technical \ individuals \ of \ potential \ dangers \ in \ attempting \ to \ service \ a \ product. \ Products \ powered \ by \ electricity \ should \ be \ serviced$ or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

anason

© 1996 Matsushita Electronics (S) Pte. Ltd. All rights reserved. Unauthorized copying and distribution is a violation of law.

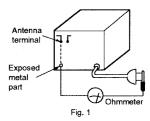
■ Contents	Page		Page
SAFETY PRECAUTIONS		PRINTED CIRCUIT BOARD	18 ~ 21
PRECAUTION OF LASER DIODE	2	SCHEMATIC DIAGRAM	22 ~ 32
HANDLING PRECAUTIONS FOR TRAVERSE DECK	2	MECHANISM PARTS LIST	33
OPERATION CHECKS AND MAIN COMPONENT REPLACEMENT	3 ~ 8	CD LOADING UNIT PARTS LIST	33
SELF-DIAGNOSTIC DISPLAY FUNCTION	9 ~ 10	CD LOADING UNIT PARTS LOCATION	34 ~ 35
MEASUREMENTS AND ADJUSTMENTS	10 ~ 11	MECHANISM PARTS LOCATION (RAA0919)	36
TERMINAL FUNCTION OF ICs	12 ~ 14	CABINET PARTS LOCATION	37
TERMINAL GUIDE OF ICS, TRANSISTORS AND DIODES	15	REPLACEMENT PARTS LIST	38 ~ 40
WIRING CONNECTION DIAGRAM	16	RESISTORS & CAPACITORS	41 ~ 43
TROUBLESHOOTING GUIDE	17		

■ Safety Precautions (This "Safety Precaution" is applied only in U.S.A.)

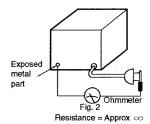
- 1. Before servicing, unplug the power cord to prevent an electric shock.
- 2. When replacing parts, use only manufacturer's recommended components for safety.
- 3. Check the condition of the power cord .Replace if wear or damage is evident .
- 4. After servicing ,be sure to restore the lead dress, insulation barriers ,insulation papers ,shields ,etc .
- 5. Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard.

Insulation Resistance Test

- 1. Unplug the power cord and short the two prongs of the plug with a jumper wire.
- 2. Turn on the power switch.
- 3. Measure the resistance value with ohmmeter between the jumper AC plug and each exposed metal cabinet part ,such as screwheads, antenna ,control shafts ,handle brackets , etc . Equipment with antenna terminals should read between $3M\Omega$ and $5.2M\Omega$ to all exposed parts* .(Fig. 1) Equipment without antenna terminals should read approximately infinity to all exposed parts . (Fig. 2) *Note :Some exposed parts may be isolated from the chassis by design. These will read infinity .
- 4. If the measurement is outside the specified limits, there is a possibility of a shock hazard. The equipment should be repaired and rechecked before it is returned to the customer.



Resistance = $3M\Omega - 5.2M\Omega$



■ Precaution of Laser Diode

CAUTION: This unit utilizes a class 1 laser. Invisible laser radiation is emitted from the optical pick up lens. When the unit is turned on:

- 1. Do not look directly into the pick up lens.
- 2. Do not use optical insturments to look at the pick up lens.
- 3. Do not adjust the preset variable resistor on the pick up lens.
- 4. Do not disassemble the optical pick up unit.
- 5. If the optical pick up is replaced, use the manufacturer's specified replacement pick up only.
- Use of control or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

■ Handling Precautions for Traverse Deck

The laser diode in the traverse deck (optical pickup) may break down due to potential difference caused by static electricity of clothes or human body.

So, be careful of electrostatic breakdown during repair of the traverse deck (optical pickup).

· Handling of traverse deck (optical pickup)

- Do not subject the traverse deck (optical pickup) to static electricity as it is extremely sensitive to electrical shock.
- To prevent the breakdown of the laser diode, an antistatic shorting pin is inserted into the flexible board (FPC board). When removing or connecting the short pin, finish the job in as short time as possible.
- ${\it 3. Take care not to apply excessive stress to the flexible board (FPC board)}.$
- Do not turn the variable resistor (laser power adjustment). It has already been adjusted.

Grounding for electrostatic breakdown prevention

1. Human body grounding

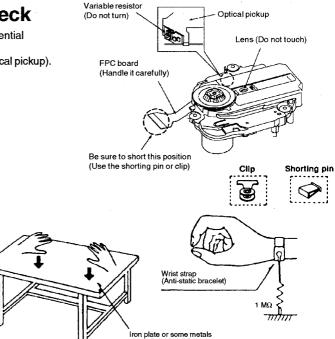
Use the anti-static wrist strap to discharge the static electricity from your body.

2. Work table grounding

Put a conductive material (sheet) or steel sheet on the area where the traverse deck (optical pickup) is placed, and ground the sheet.

Caution

The static electricity of your clothes will not be grounded through the wrist strap. So, take care not to let your clothes touch the traverse deck (optical pickup).

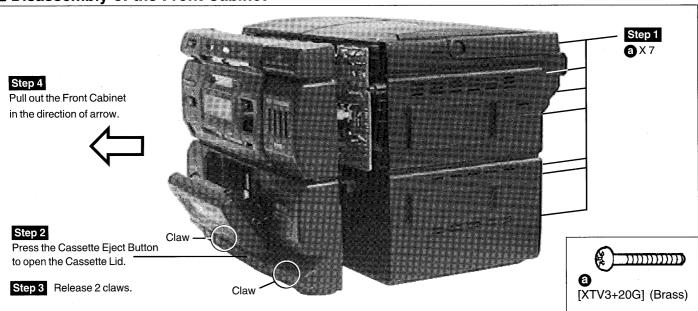


Operation Checks and Main Component Replacement Procedures

- 1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
- 2. For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.
- 3. Select items from the following index when checks or replacement are required.
- 4. Refer the Parts No. on the page of "Main Component Replacement Procedures", if necessary.

• Contents	page
Disassembly Procedures	
1. Disassembly of the Front Cabinet	3
2. Removal of the CD Changer Unit	4
3. Disassembly of the Traverse Unit	4
4. Disassembly of the CD Changer Unit	5
Assembly of the CD Changer Unit	6
Checking Procedure for each major P.C.B.	
1. Checking for the Servo P.C.B.	7
2. Checking of the Panel P.C.B. and Main P.C.B.	7
Main Component Replacement Procedures	
1. Replacement of the Traverse Deck	8
2. Replacement of the Power Amplifier IC and Regulator Transistor	8
Warning: This product uses a laser diode. Refer to caution statements on page 2.	

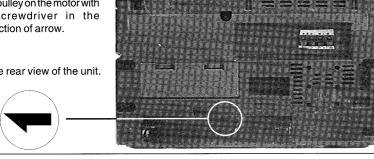
Disassembly of the Front Cabinet



■ What to do when the tape is entangled

When a tape is caught in the pinch roller, etc., release the tape by turning the pulley on the motor with a screwdriver in the direction of arrow.

The rear view of the unit.



BATTERY SERVICE LIFE

UM-1 (D-size) Batteries

Approx. 43/4 hours of CD recording (EIAJ).

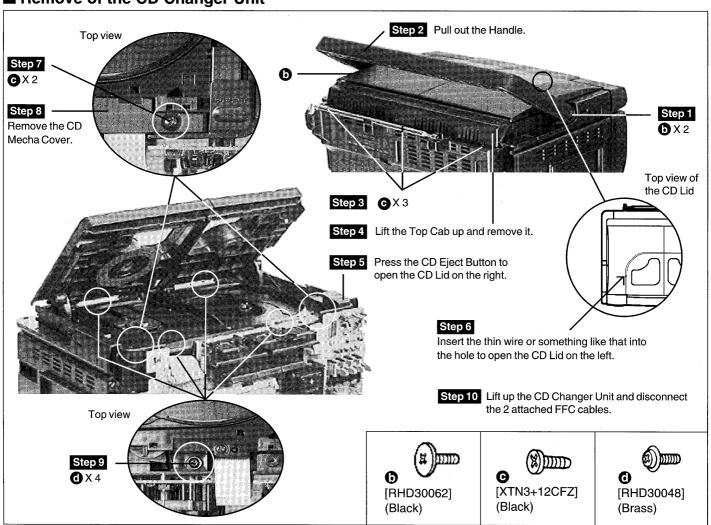
Approx. 4 1/2 hours of CD playback (EIAJ).

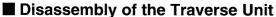
Approx. 11 ½ hours of tape recording (EIAJ).

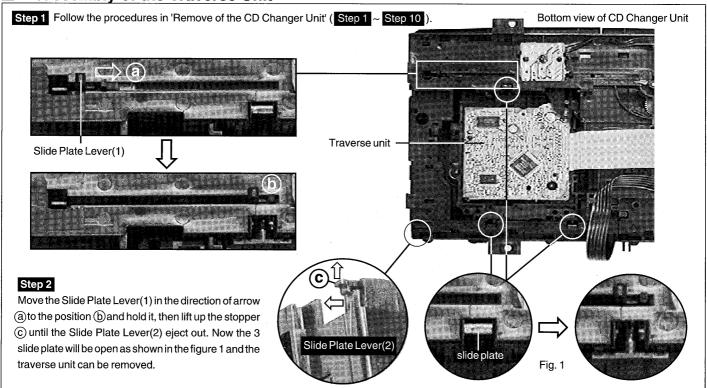
Approx. 8 hours of tape playback (EIAJ).

The above battery service life is measured according to the conditions set forth by EIAJ (Electronic Industries Association of Japan). As the battery service life varies with the method of operation and enviromental conditions, use these values as reference.

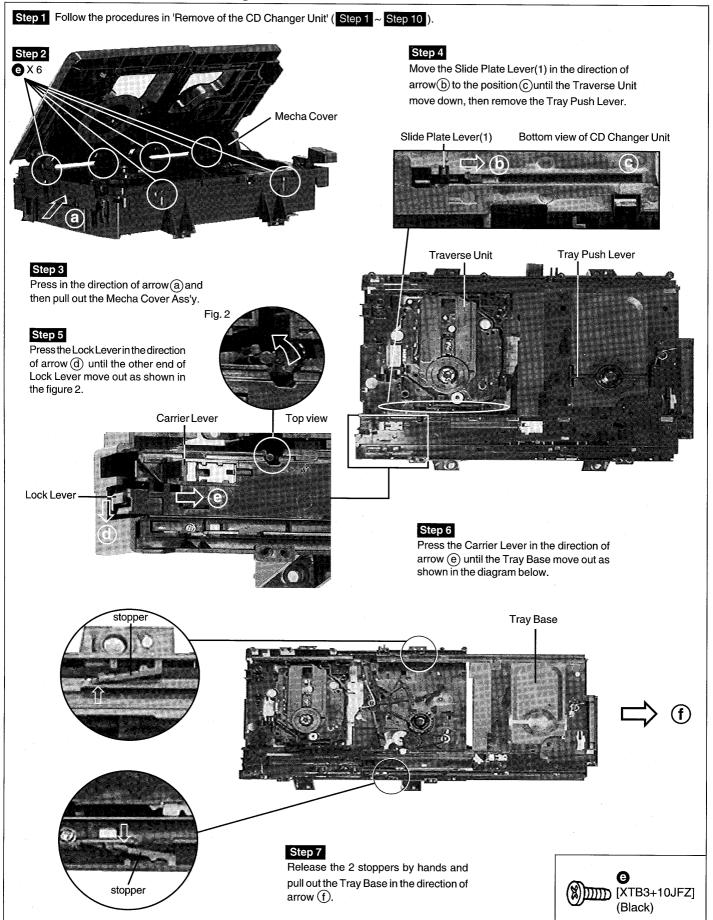
■ Remove of the CD Changer Unit







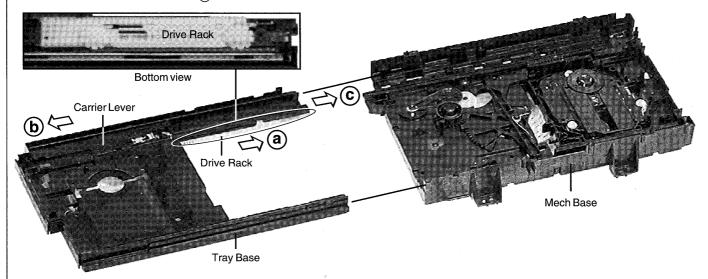
■ Disassembly of the CD Changer Unit



■ Assembly of the CD Changer Unit

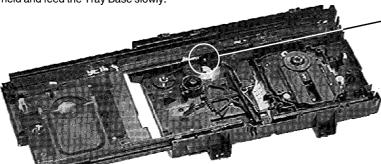


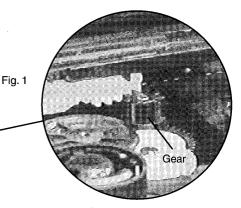
Move the Drive Rack in the direction of arrow(a) to the position as shown in the diagram below and the Carrier Lever in the direction of arrow(b).



Step 2

While holding the Drive Rack and Carrier Lever, install the Tray Base on the Mech Base in the direction of arrow © until the Tray Base stops as shown in figure 1. Release only the Carrier Lever and push the Tray Base together with the Drive Rack. After engaging the gear, release the Drive Rack which held and feed the Tray Base slowly.

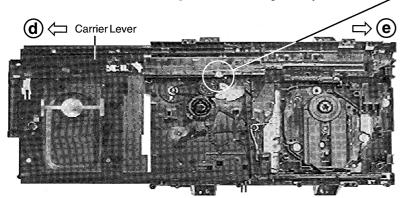


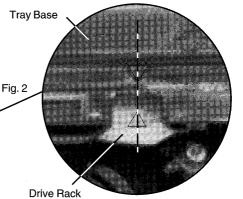


Top view

Step 3

Hold the Carrier Lever and push it in the direction of arrow d to the end until the Tray Base stops. Make sure the mark ' \bigtriangledown ' on the Tray Base is aligned with the mark ' \bigtriangleup ' on the Drive Rack as shown in figure 2 before closing the Tray Base.





Step 4

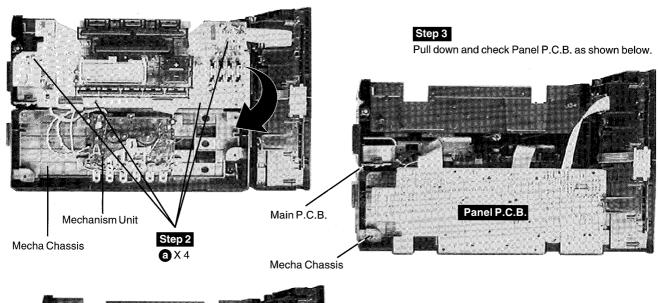
After closing the Tray Base, slide the Carrier Lever in the direction of arrow (e) until it reaches the end of the Tray Base.

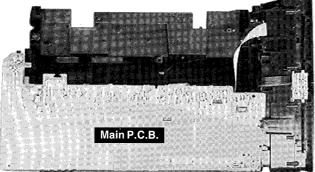
■ Checking Procedure for each major P.C.B.

Step 1 Follow the procedures in 'Disassembly of the Traverse Unit' (Step 1 ~ Step 2). Step 2 Step 2 Silde in the Traverse Unit into a slot on the top of the Rear Cabinet. Traverse unit Servo P.C.B.

2. Checking of the Panel P.C.B. and Main P.C.B.

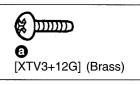
Step 1 Follow the procedures in 'Disassembly of the Front Cabinet' and 'Remove of the CD Changer Unit'.



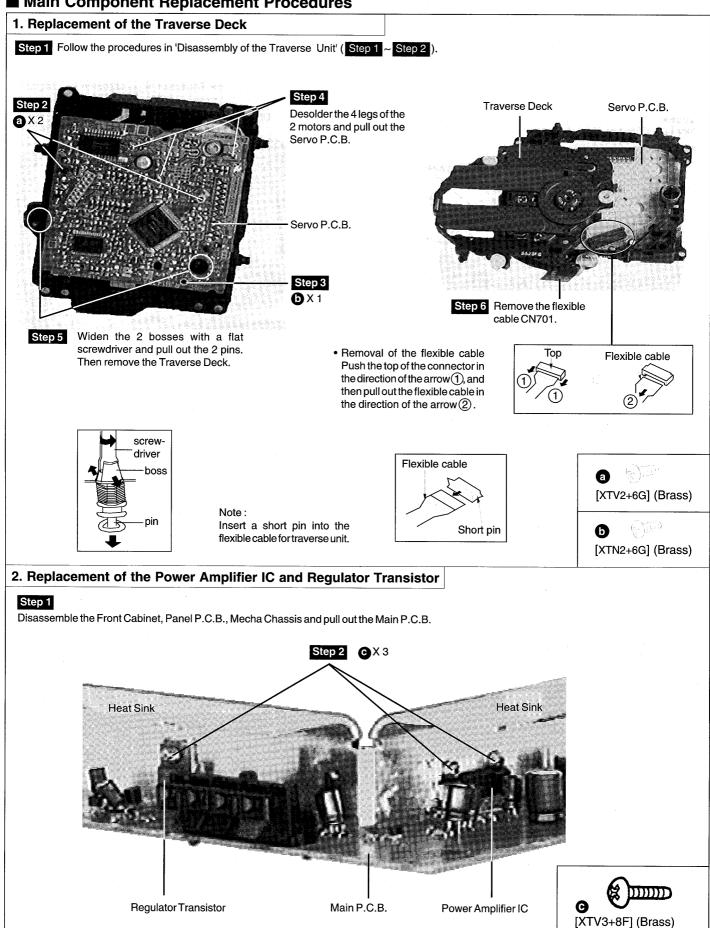


Step 4

Pull out the Mecha Chassis with Mechanism Unit on it and Main P.C.B together. Position and check Main P.C.B. as shown on the left.



■ Main Component Replacement Procedures

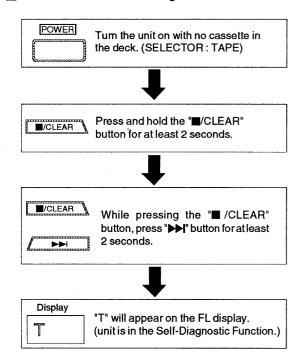


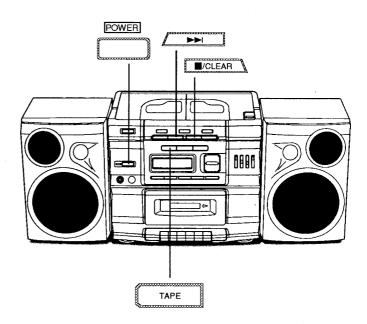
Self-Diagnostic Display Function

■ Self-diagnostic display

This unit is equipped with a self-diagnosis display function which, if a problem occurs, will display an error code corresponding to the problem. Use this function when performing maintenance on the unit.

■ How to enter the Self-Diagnostic Function





■ CD / CD Changer Self-Diagnostic Function mode

Press "TAPE" button while the unit is in the Self-Diagnostic Function mode.

■ To Display Self-Diagnostic Result

1. Press "TAPE" button.

*If several problem exist, error code will change each time when "TAPE" button is pressed. (e.g. F15 → F26 → F28 etc)

*If no problem, "T" will remain unchanged.

■ To clear all Error code

- 1. Press "TAPE" button for 5 seconds.
- 2. FL indicator shows "CLEAR" for 1 second and change to "T" .

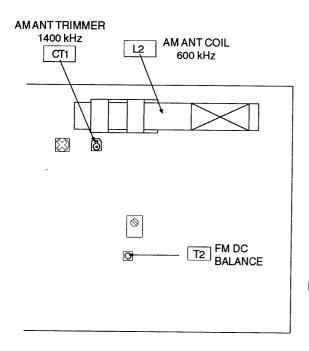
■ How to get out from Self-Diagnostic function

1. Press "POWER" button OFF.

(1) Error detection for CD/CHANGER block

No.	Error	Error Display	Problem condition
1	REST SW detection error	F15	CD does not function. This error occurs when the Optical Pick Up REST SW (S701) is not detected within the specified time (about 8 seconds)
2	SW1 (STK), SW2 (PLY) detection error	F28	CD loading mechanism does not move correctly. This error occurs when SW1 (stocker position detection) is not ON or OFF, or SW2 (play position detection) is not ON or OFF within the specified time.
3	SW3 (LID) detection error	F25	CD does not operate correctly. This error occurs when SW3 (CD Traverse Lid switch) is not ON or OFF within the specified time.
4	SW5 (TNO) detection error	F27	Tray number does not detect correctly. This error occurs when SW5 (Tray number detection) can not be detected normally or when the TRAY No. is uncertain.
5	Transmission error between CD servo LSI and micon	F26	CD does not function. This error occurs when the POWER is ON for the CD block and an error is detected after the transmission has started.
6	CD power error	F75	CD does not function. Check if CDRST is H for SELECTOR at CD. If it is not H after 1 second, it shall be memorised as an error.
7	Batteries consumption check error	U01	It is due to consumption of batteries. Replace the batteries with new one.
8	Power supply check error	U02	Check the power plug (AC) or insert the batteries (DC).

■ Alignment Points



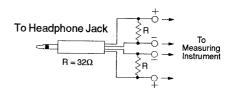


Fig. 2

Fig. 1

Measurements and Adjustments

< TUNER SECTION >

■ ALIGNMENT INSTRUCTIONS

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

- 1. Set volume control to maximum.
- 2. Set XBS level control to minimum.
- 3. Set power source voltage to 12V DC.

- 4. Set GEQ controls to center.
- Output of signal generator should be no higher than necessary to obtain an output reading.

AM-IF ALIGNMENT

SIGNAL GENERA SWEEPGENERAT		RADIO DIAL	INDICATOR (ELECTRONIC	ADJUSTMENT	REMARKS
CONNECTIONS	FREQUENCY	SETTING	VOLTMETER or OSCILLOSCOPE)	(Shown in Fig. 1)	
Fashion a loop of several turns of wire and radiate a signal into the loop ant. of receiver.	450 kHz 30% Mod. at 400Hz	Point of non- interference, (on/about 600Hz)	Headphones Jack (32Ω) Fabricate the plug as shown in Fig. 2 and then connect the lead wires of the plug to the measuring instrument.	T2 (AM IFT)	Adjust for maximum output.

■ AM-RF ALIGNMENT

Fashion a loop of several turns of wire and radiate a signal into the loop ant. of receiver.	600 kHz	Tune to signal	· "	(*1) L2(AM ANT Coil)	Adjust for maximum output. Adjust L2 by moving coil along the ferrite core.
u	1,400 kHz	. и	п	CT1 (AM ANT Trimmer)	Adjust for maximum output.
(*1) Fix antenna coil with w	ax after comple	ting alignment.			

■ FM DC BALANCE ALIGNMENT & "ZERO" VOLTAGE ALIGNMENT

SIGNAL GENERATOR or SWEEP GENERATOR	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT (Shown in Fig. 1)	SPECIFICATION	REMARKS
98.1 MHz, 60 dB(CW) connect to test point TP1 through FM dummy antenna. Negative side to TP2.	TP6 (+) TP7 (-)	T2	0 <u>±</u> 50mV	Align coil T2 for "ZERO" voltage to be in the range of $0 \pm 50 \text{mV}$

< CASSETTE DECK SECTION >

ALIGNMENT INSTRUCTIONS

READ CAREFULLY	BEFORE ATTEMPTING ALIGNMEN	JT

Note: No Azimuth Head Alignment is required due to Aztec Head is used in the cassette mechanism.

■ Terminal Function of ICs

• IC701 (AN8835SBE1) Servo Amplifier

Pin No.	Mark	1/0	Function
1	PDA	ı	PD signal input
2	PDB	1	PD signal input
3	vcc	ı	Power supply connection
4	LPD	ı	Laser PD connection
5	LD	0	Power out for LD driving
6	RF	0	RF signal output
7	RFIN	ı	RF signal input
8	CAGC	ı	AGC loop filter connection
9	ARF	0	RF-AGC output
10	CSBRT	ı	Capacitor for detection connection
11	CEA	1	Capacitor connection for HPF amplifier
12	BDO	0	BDO output ("H" : drop out)
13	LDON	ı	LD APC input ("H" : ON, "L" : OFF)
14	GND	_	Groundconnection

Pin No.	Mark	VO	Function
15	/RFDET	0	NRFDET output ("L" : detection)
16	CROSS	0	CROSS output (Track cross signal output)
17	OFTR	0	Off-track output("L" : ON track, "H" : OFF track)
18	VDET	0	VDET output("H": Vibration detected)
19	ENV	0	RF envelope detection
20	TEBPF	ı	Vibration detection signal input
21	CCRS	ı	Capacitor for LPF connection
22	TE	0	Tracking error signal output
23	FE	0	Focus error signal output
24	TBAL	ı	Tracking balance signal input
25	FBAL	ı	Focus balance signal input
26	VREF	0	Reference voltage output
27	PDE	i	PD signal input
28	PDF	1	PD signal input

• IC703 (AN8389SE1) Focus coil / Tracking coil / Traverse motor / Spindle motor driver

Pin No.	Mark	1/0	Function
1	vcc	ı	Power supply terminal
2	VREF	1	Reference voltage input
3	IN4	ı	Motor driver (4) input
4	IN3	ı	Motor driver (3) input
5	GND		Ground connection
6	NC		Ground connection
7	NRESET	ı	Reset input
8	GND		Ground connection
9	IN2	i	Motor driver (2) input
10	PC2	1	PC2 (power cut) input
11	IN1	1	Motor driver (1) input
12	PC1	ı	PC1 (power cut) input (Not used, open)

Pin No.	Mark	vo	Function
13	PVCC1	ı	Power supply (1) for driver
14	PGND1		Ground connection (1) for driver
15	D1-	0	Motor driver (1) reverse-action output
16	D1+	0	Motor driver (1) forward-action output
17	D2	0	Motor driver (2) reverse-action output
18	D2+	0	Motor driver (2) forward-action output
19	D3-	0	Motor driver (3) reverse-action output
20	D3+	0	Motor driver (3) forward-action output
21	D4	0	Motor driver (4) reverse-action output
22	D4+	0	Motor driver (4) forward-action output
23	PGND2	_	Ground connection (2) for driver
24	PVCC2	ı	Power supply (2) for driver

• IC702 (MN662741RPA) Servo processor / Digital signal processor / Digital filter / D/A converter

1 2			
2	BCLK	0	Serial bit clock terminal (Not used, open)
	LRCK	0	L/R discriminating signal (Not used, open)
3	SRDATA	0	Serial data (Not used, open)
4	DVDD1	-	Power supply (digital circuit) terminal
5	DVSS1		GND (digital circuit) terminal
6	TX	0	Digital audio interface signal
7	MCLK	1	Microprocessor command clock signal
8	MDATA	1	Microprocessor command data signal
9	MLD	1	Microprocessor command load signal
10	SENSE	0	Sense signal output
			(OFT,FESL,MAGEND,NAJEND,POSAD,SFG)
11	/FLOCK	0	Optical servo condition(focus)("L" : lead-in)
12	/TLOCK	0	Optical servo condition(tracking)("L" : lead-in)
13	BLKCK	0	Sub-code block clock (f=75Hz)
14	SQCK	1	External clock signal input for sub-code Q
			register.
15	SUBQ	0	Sub-code Q code output
16	DMUTE	-	Muting input ("H" : mute)
17	STAT	0	Status signal output
			(CRC,CUE,CLVS,TTSTVP,FCLV,SQCK)
18	/RST	1	Reset input
19	SMCK	0	1/2-divided clock signal of crystal oscillating at
	-		MSEL = "H" (fSMCK=8.4672MHz)
			1/4-divided clock signal of crystal oscillating at
			MSEL="L" (fSMCK=4.2336MHz)
20	PMCK	0	1/192-divided clock signal of crystal oscillating
			(fPMCK=88.2kHz) (Not used, open)
21	TRV	0	Traverse servo control output
22	TVD	0	Traverse drive signal output
23	PC	0	Spindle motor ON signal output ("L" : ON)
24	ECM	0	Spindle motor drive signal output
			(forced mode output)
25	ECS	0	Spindle motor drive signal output
			(servo error signal output)
26	KICK	0	Kick pulse output
27	TRD	0	Tracking drive output
28	FOD	0	Focus drive output
29	VREF	ŀ	D/A (drive) output (TVD,ECS,TRD,FOD,
			FBAL,TBAL) Reference voltage input.
30	FBAL	0	Focus balance adjustment output
			(Notused,open)
31	TBAL	0	Tracking balance adjustment output
32	FE	1	Focus error signal input (analog input)
33	TE	1	Tracking error signal input (analog input)
34	RFENV	1	RF envelope signal input
35	VDET		Vibration detection signal input ("H" : detection)

	•		
Pin No.	Mark	VO	Function
36	OFT	ı	Off-track signal input ("H" : off track)
37	TRCRS	1	Track cross signal input
38	/RFDET	1	RF detection signal input ("L" : detection)
39	BDO	ı	Dropout signal input ("H" : Dropout)
40	LDON	0	Laser on signal output ("H" : ON)
41	TES	0	Tracking error shunt signal output ("H": shunt)
42	PLAY	0	Play signal out ("H" : PLAY)
43	WVEL	0	Double speed status signal output ("H" : DS)
44	ARF	ı	RF signal input
45	IREF	I	Reference current input
46	DRF	i	DSL bias (Not used, open)
47	DSLF	1/0	DSL loop filter
48	PLLF	1/0	PLL loop filter
49	VCOF	I/O	VCO loop filter (Not used, open)
50	AVDD2	ı	Power supply input (for analog circuit)
51	AVSS2	_	GND (for analog circuit)
52	EFM	0	EFM signal output (Not used, open)
53	PCK	0	PLL extraction clock ouput (Not used, open)
			(fPCK=4.321 MHz during normal playback)
54	PDO	0	Phase comparison signal of EFM and PCK signals
			(Not used, open)
55	SUBC	0	Sub-code serial data output (Not used, open)
56	SBCK	ı	Sub-code frame clock signal output
			(fCLDCK=7.35kHz during normal playback)
57	VSS	_	GND
58	X1	ı	Crystal oscillating circuit input (f=16.9344MHz)
59	X 2	0	Crystal oscillating circuit output (f=16.9344MHz)
60	VDD	1	Power supply input (for oscillating circuit)
61	BYTCK	0	Byte clock output (Not used, open)
62	/CLDCK	0	Clock input for sub-code serial data
			(Not used, open)
63	FCLK	0	Crystal frame clock signal output
			(fCLK=7.35kHz, double=14.7kHz)
64	PFLAG	0	Interpolation flag output ("H" : interpolation)
			(Not used, open)
65	FLAG	0	Flag output (Not used, open)
66	CLVS	0	Spindle servo phase synchronizing signal output
			("H" : CLV, "L" : rough servo) (Not used, open)
67	CRC	0	Sub-code CRC checked output
			("H" : OK, "L" : NG) (Not used, open)
68	DEMPH	0	De-emphasis ON signal output
			("H" : ON) (Not used, open)
69	RESY	0	Frame resynchronizing signal output
			(Not used, open)
70	/RST2	ı	Reset input through MASH circuit ("L" : Reset)
71	/TEST	1	Testinput

Pin No.	Mark	VO	Function
72	AVDD1	1	Power supply input (for analog circuit)
73	OUTL	0	Left channel audio signal output
74	AVSS1	1-	GND
75	OUTR	0	Right channel audio signal output
76	RSEL	T	RF signal polarity assignment input
			(at "H" level, RSEL="H", at "L" level, RESL="L")
77	CSEL	1	Crystal oscillating frequency designation input

Pin No.	Mark	VO	Function
			"L" : 16.9344MHz "H" : 33.8688MHz
78	PSEL	1	Test input (normally "L") (Not used, open)
79	MSEL	ı	Output mode switching of SUBQ terminal
:			("H" : Q code buffer mode)
80	SSEL	. 1	Output frequency switching for SMCK terminal
			"H": SMCK=8.4672MHz
			"L": MCK=4.2336MHz (Not used, open)

• IC801 (M38254M6125) System Microprocessor

Pin No.	Mark	1/0	Function
1	NC	_	No connection
2	VL1	_	Power supply input for LCD
3	PWRCTRL	0	Power control output
4	PWDET	ı	Power detection input
5	REGION	ı	Area setting input
6	MOTOR	0	Motor control output
7	MTRSW	1	Motor switch input
8	RECH	1	Record high signal input
9	KEY2	ı	KEY 2 input
10	KEY1	Ī	KEY 1 input
11	MCLK	0	CD signal processor clock output
12	MDATA	0	CD signal processor data output
13	MLD	0	CD signal processor load output
14	SD	ı	PLL signal detect input
15	STEREO	1	PLL stereo detect input
16	MONO	0	PLL MONO output
17	RSTBY	ı	Remote control standby input
18	RMT	1	Remote control sensor input
19	VCCDET	ı	VCC detect input (main power detection)
20	SQCK	0	CD subcode clock output
21	PWR	1	Power ON/OFF key input
22	SUBQ	ı	CD subcode Q data input
23	BLKCK	_	CD subcode block clock input
24	RESTSW	-	CD limit switch input
25	TLOCK	1	CD tracking lock input
26	FLOCK	ı	CD focus lock input
27	SENSE	ı	CD servo processor sense input
28	CDRST	0	CD reset output
29	TNO	ı	CD tray number detect switch input (SW5)
30	STAT	1	CD signal processor status input
31	AFDA	0	Volume IC data output
32	AFCK	0	Volume IC clock output
33	RNDM	ı	Random play operation selection.
		1	L = Play based on continue mode
		İ	H = Any 3 disc can be played
34	VOL	ı	Volume characteristic selection.

Pin No.	Mark	1/0	Function
			L = Smaller attenuation steps
			H = Original attenuation steps
35	RESET	ı	System reset input
36	XCIN	ı	32.768 kHz sub clock
37	XCOUT	0	32.768 kHz sub clock
38	XIN	1	4.19 MHz main clock
39	XOUT	0	4.19 MHz main clock
40	VSS	_	Ground (0 V)
41	MBP1	0	Microcomputer beat proof output 1
42	MBP2	0	Microcomputer beat proof output 2
43	TUNERL	0	Function select tuner low output
44	CDL	0	Function select CD low output
45	STO	ı	Stocker area detection switch (SW1)
46	PLY	ı	Play position detection switch (SW2)
47	STL	ı	Stocker lid switch (SW6)
48	TRL	ı	Traverse lid switch (SW3)
49	FWD	0	Motor control forward output
50	REV	0	Motor control reverse output
51	PLLDA	0	PLL data output
52	PLLCE	0	PLL chip enable output
53	PLLCK	0	PLL clock output
54	NC		No connection
55	BP1	0	Deck mecha beat proof output 1
56	BP2	0	Deck mecha beat proof output 2
57	MUTE A	0	Audio Mute output A
58	MUTE B	0	Audio Mute output B
59	NC		No connection
60-90	SEG30~SEG0	0	LCD segment drive output
91	vcc		Power supply (+5 V)
92	VREF	_	Reference voltage for A-D converter
93	AVSS		A-D converter ground
94-97	COM3~COM0	0	LCD common drive output
98	VL3		LCD Bias supply
99	VL2	_	LCD Bias supply
100	NC	_	No connection

■ Terminal Guide of ICs, Transistors and Diodes

AN7135	AN7348K	AN7332STAE1 AN8389SE1 24 1	AN8835SBE1(28P) LA1831MSATEL(24P) LM7001M-TE-L(20P)	M62414SP	BA6418N
BA7755A	M38254M6125(100P) MN662741RPA(80P)	S-806G-Z	S81350HG-T	TA7358FMATEL 8 1	TC4052BP
2SA1175FTA BA1A3QTA BA1A4MTA BA1L4MTA BN1A4MTA	E C B	2SA564RTA 2SB621RTA 2SC1684STA 2SC2001KTA 2SD592STA 2SD965RTA	E C B	2SB709S C B E	2SB1566E BCE
2SC2785FTA 2SC2787FL1TA 2SC2787LTA BN1L3NTA BN1L3ZTA	B _{C E}	1SS254TA Ca Cathode A Anode	KV1360NT KV1580NT	SLR33VC70F08 Cathode Cac Cac Cac Cac Cac Cac Cac Ca	RL154M11 Ca Cathode Anode
MTZJ5R1BTA MTZJ5R1CTA MTZJ5R6BTA MTZJ7R5CTA	MTZJ8R2CTA MTZJ9R1CTA MTZJ12BTA RVDMTZ11BTA	Ca Cathode A Anode			

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE 3 A 125V FUSE.



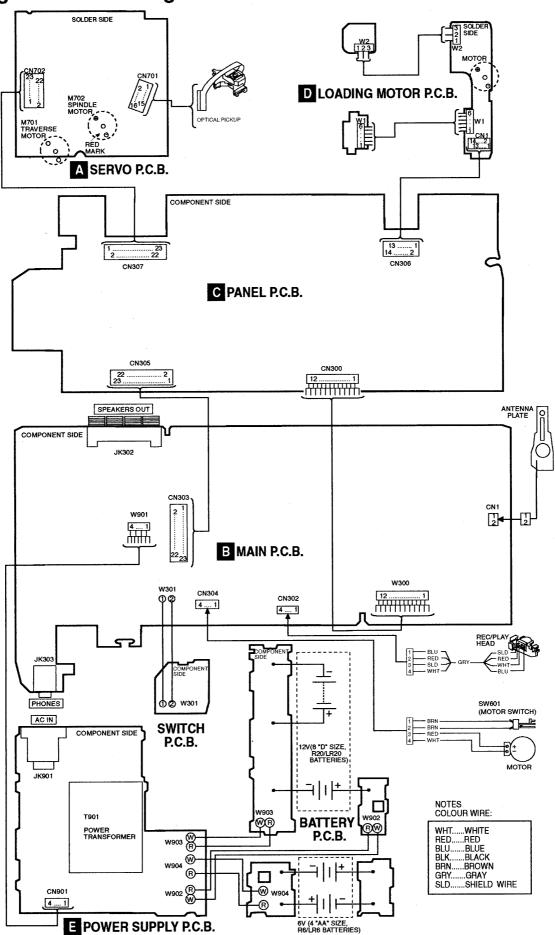
RISK OF FIRE-REPLACE FUSE AS MARKED.

FUSE CAUTION -

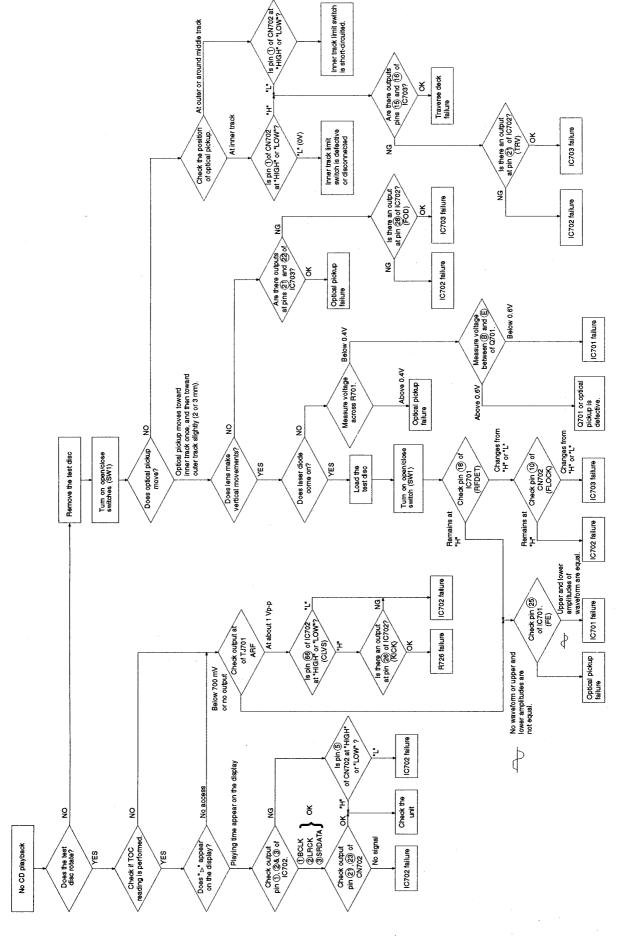
These symbols located near the fuse indicates that the fuse used is a fast operating type. For continued protection against fire harzard, replace with the same type fuse. For fuse rating, refer to the marking adjacent to the symbol.

Ce symbole indique que le fusible utilisé est à rapide. Pour une protection permanente, n' utiliser que des fusibles de même type. Ce dernier est indiqué là qù le présent symbole est apposé.

■ Wiring Connection Diagram

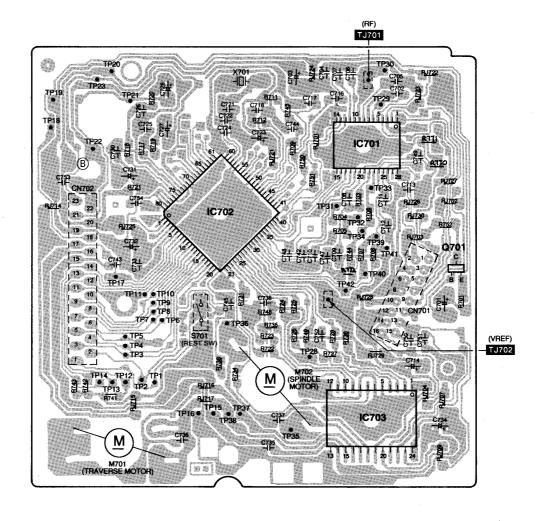


■ Troubleshooting Guide

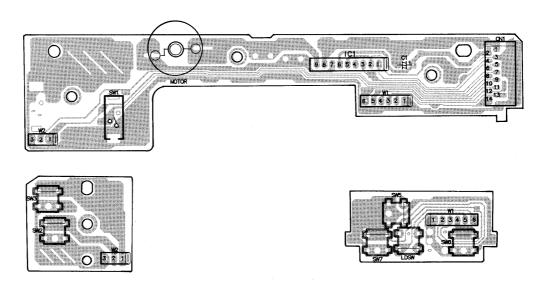


■ Printed Circuit Board

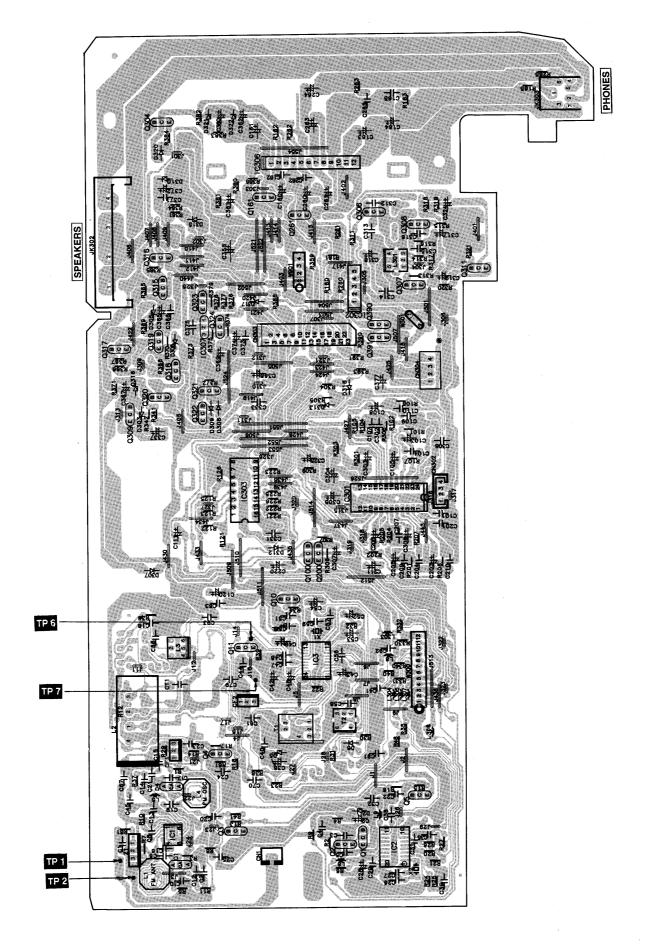
A SERVO P.C.B. (REPX0109)



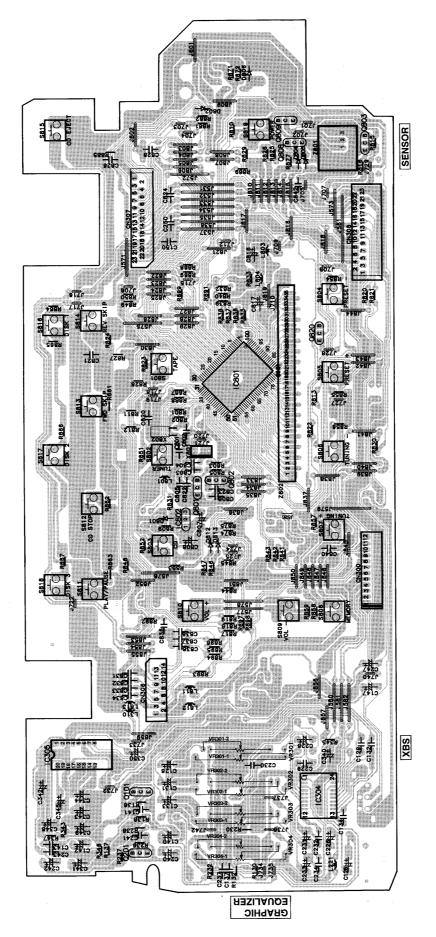
D LOADING MOTOR P.C.B. (REP2182B-N)



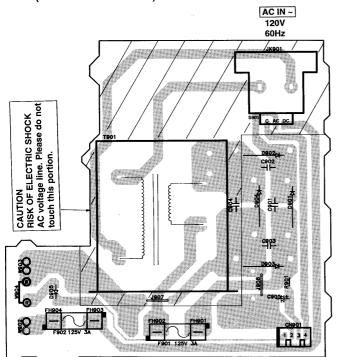
B MAIN P.C.B. (REPX0102)



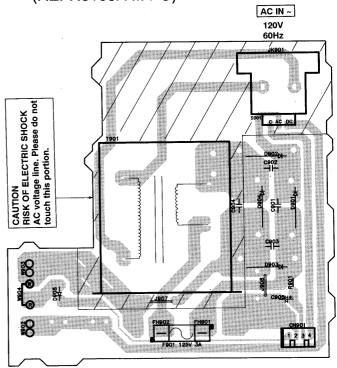
C PANEL P.C.B. (REPX0102)



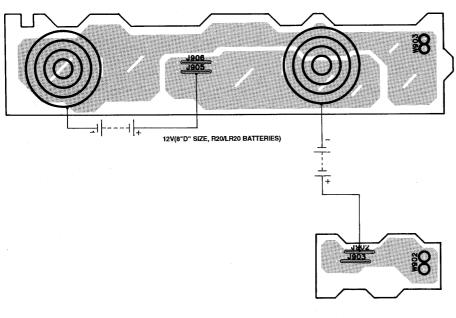
POWER SUPPLY P.C.B. (REPX0103 ... P)

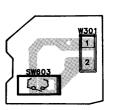


POWER SUPPLY P.C.B. (REPX0103A ... PC)

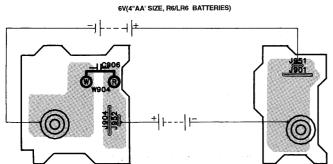


BATTERY P.C.B.

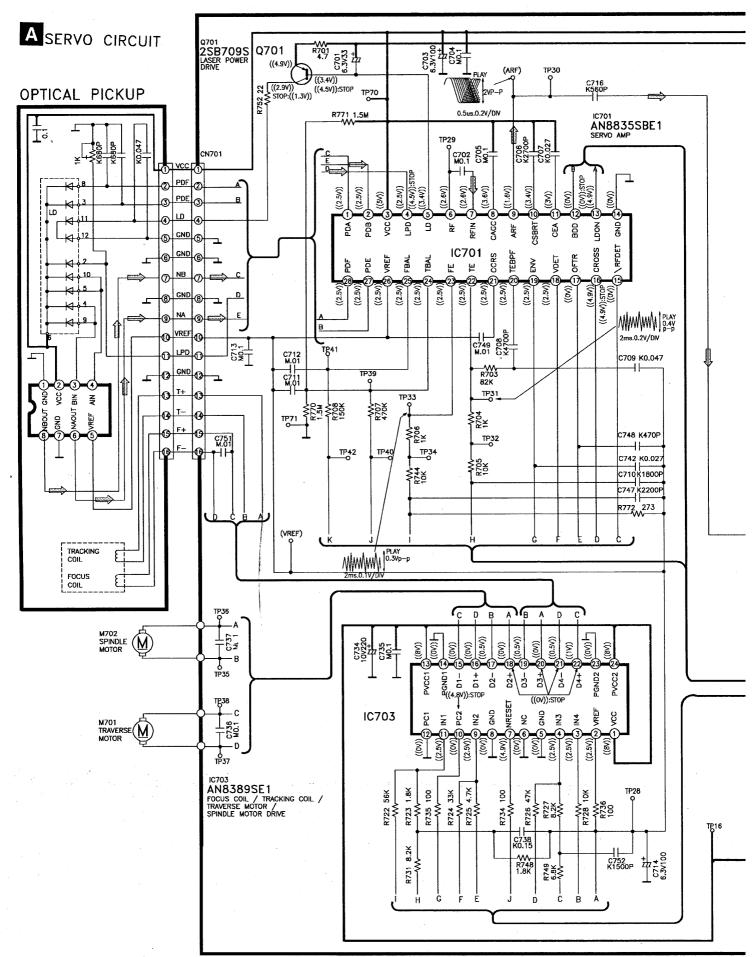


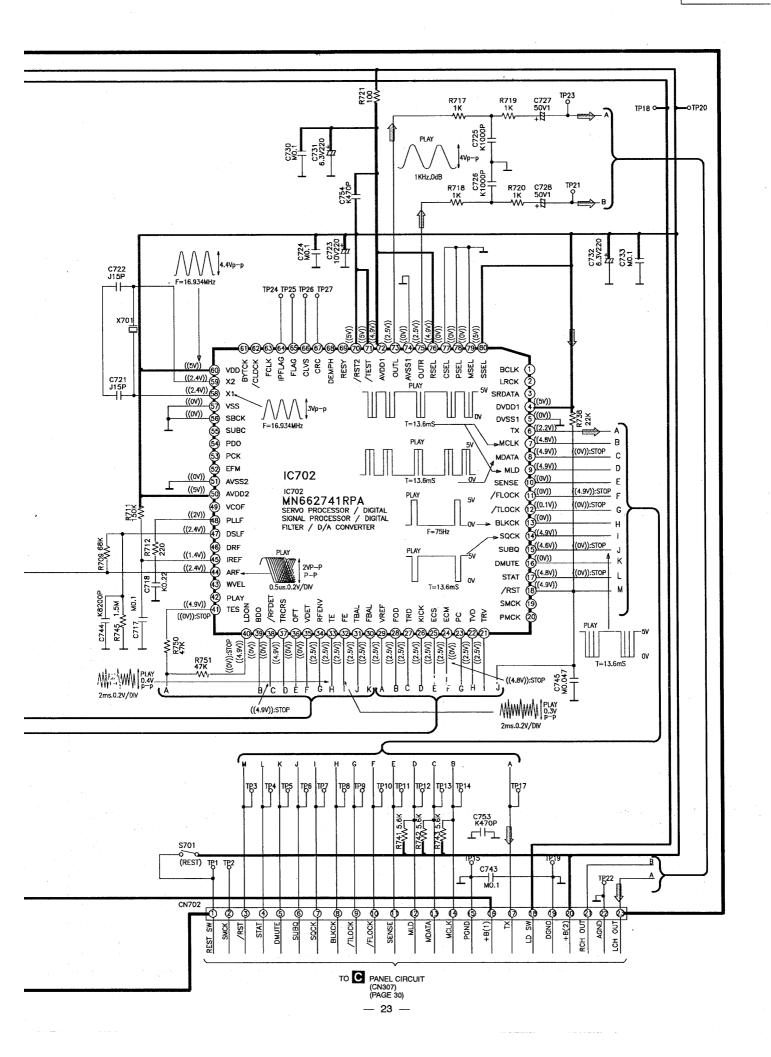


SWITCH P.C.B.

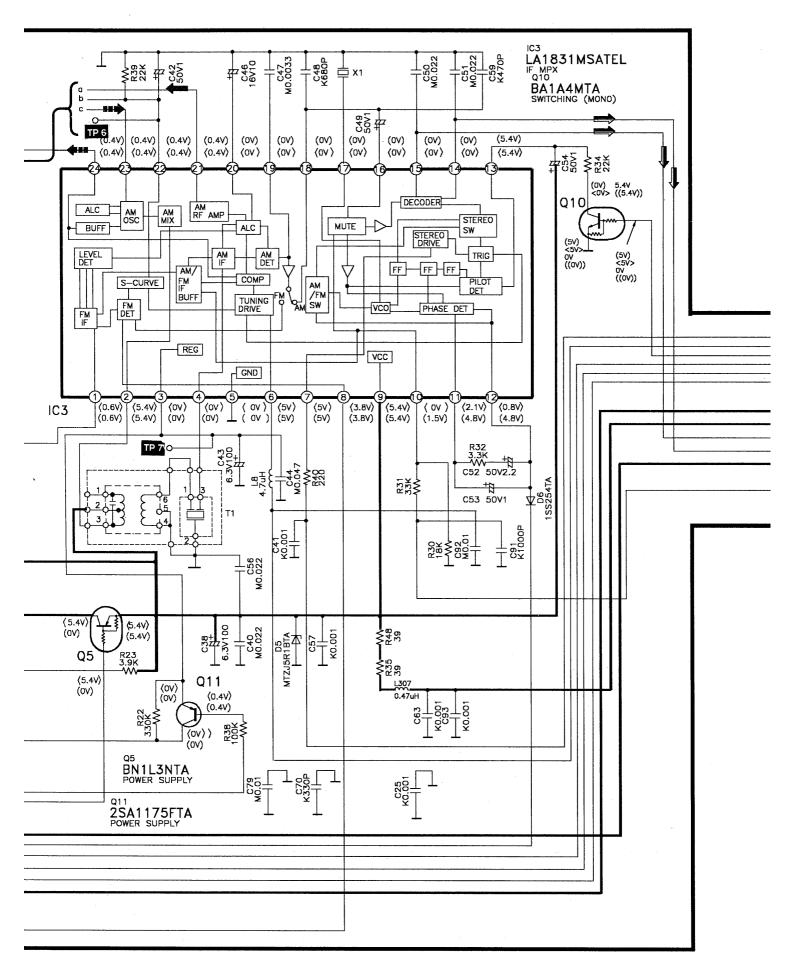


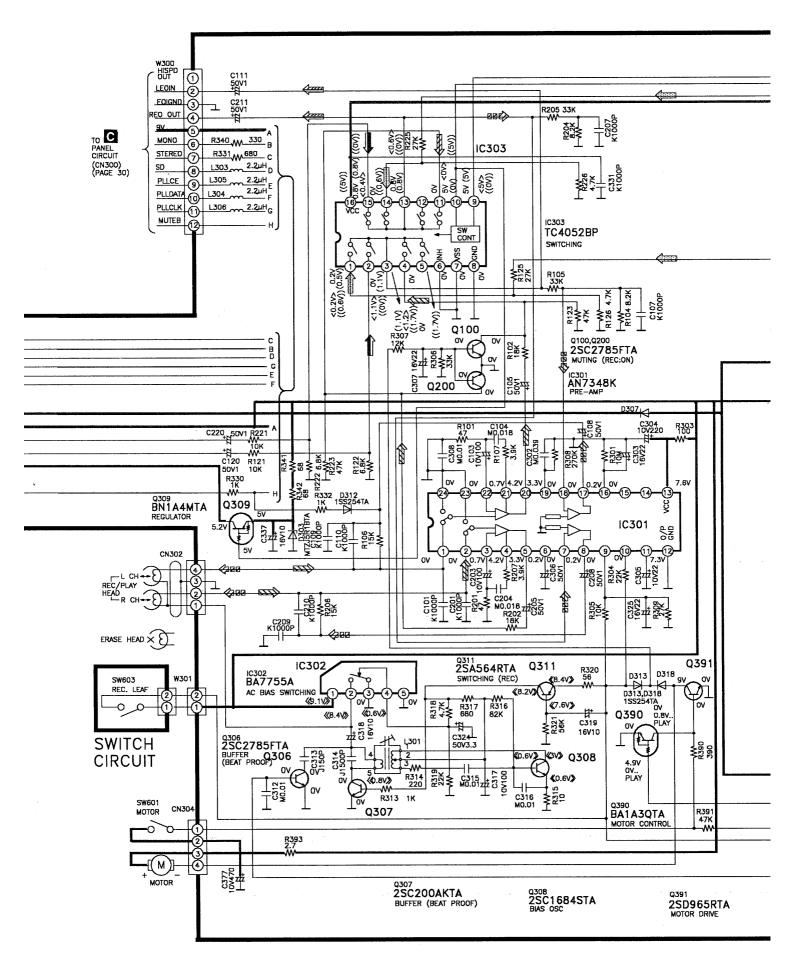
■ Schematic Diagram

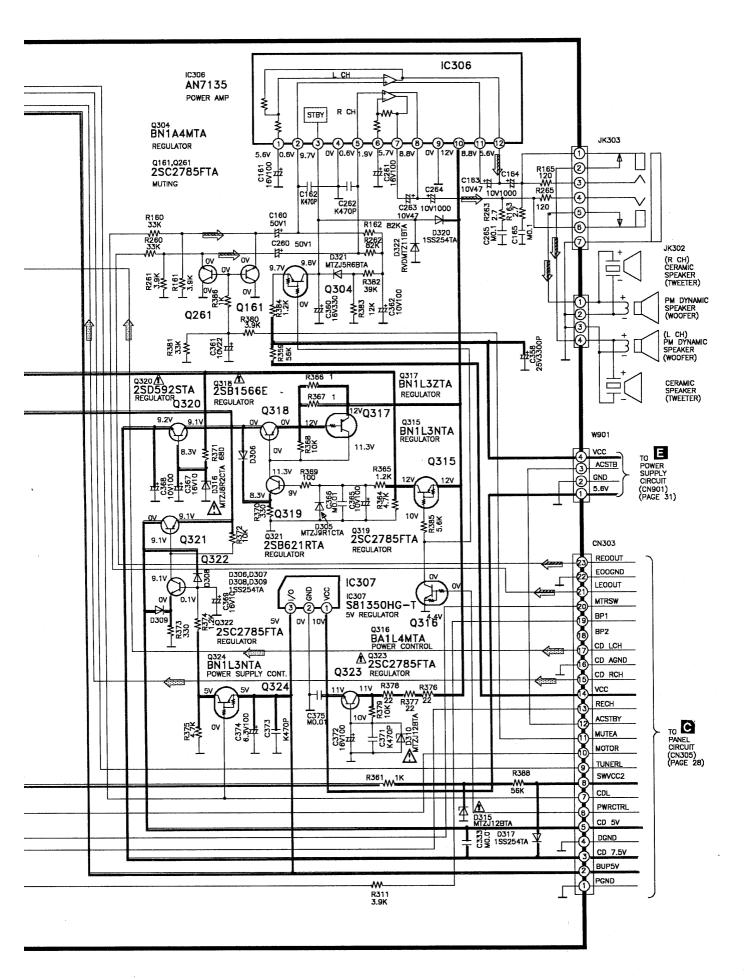




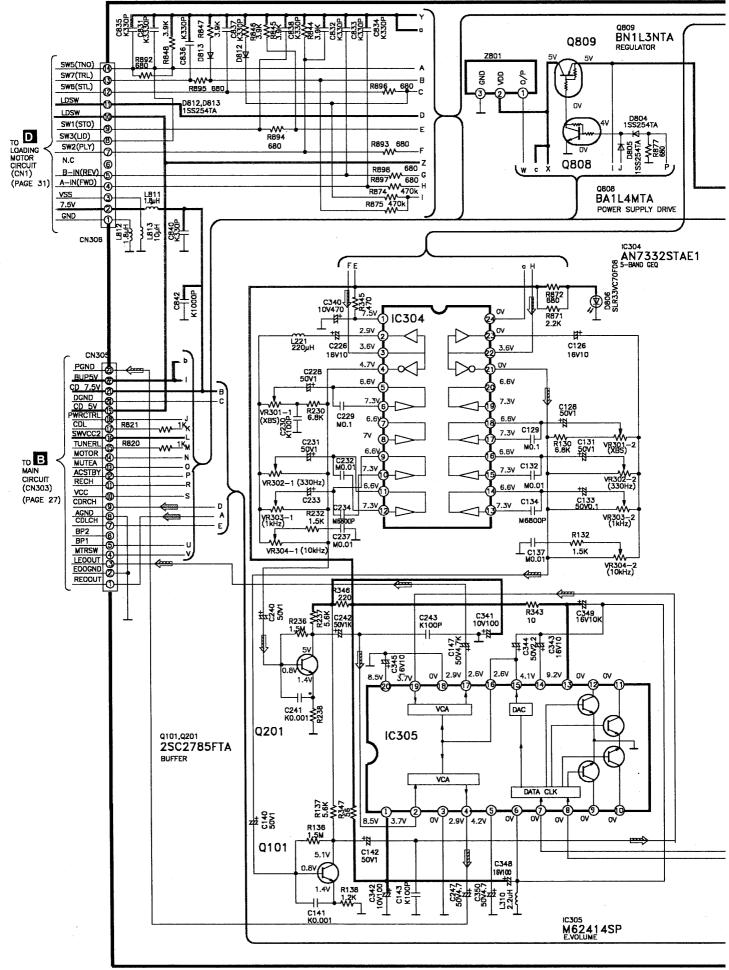
B MAIN CIRCUIT Q4 2SC2787LTA 8.2uH ⟨5.0V⟩ C15 K4.7P 330 330 \$£4 \$45 R18 R1 100K ₩.0<u>.</u>01 C19 J68P TA7358FMATEL FM FRONT END ²2 **Z**1 TELESCOPIC (5V) (4.9V) (5V) (ov) C17 K2.2P **丰 ANTENNA** IC1 osc BUFFER D4 KV1360NT Q3 2SC2787FL1TA EX BUFFER AMP (FM OSC) (v8.0) (1.5V) (5.2V) (1.5V) K0.001 K1000B ည်စွ 5 5 5 TP 2 R13 100K R11 150 *L1 R8 3.3K C20 M1.5P 560 100K C6 KO.001 C12 K0.001 (0.7V) ≹‰ģ 08 J18P Q3_(ov) D1 C32 L2 KV1580NT 0.47uH CF2 (AM OSC) 6 (AM ANT) MO.01 C18 M0.047 R12 10K R9 1K C4 N1 201 1001 1001 H D2 D2 MTZJ7R5CTA LM7001M-TE-L PLL FREQUENCY SYTHESIZER C3 M3300P C28 10V100 L6 100uH C29 K0.001 (0V) C36 (1.9V) K0.001 (0V) (OV) R6 1K (4.9V) (4.9V) (4.9V (4.9V (0V) 〈2.9V〉 (3.6V) (7.5V) (7.5V) Q1 (0.1V) (OV) (7.4V) (7.4V) (3.2V) (ov) 5 õ Q2 50 GND Š S (7.4V)₹ Σ (7.4V) IC2 XOUT DATA I(ov) SYC 802 100 2 핑 占 Q1,Q2 2SC2785FTA FM/AM LOOP FILTER (0V) (4.6V) (0.1V) (5.4V) (0.2V) (0.1V) (1.4V) (1.7V) (1.4V) (1.7V) (ov)(ov)(ov) C58 K330P (ov) Š ş C26 J27P R24 **亩 x**2 C27 J30P ş Ş Z355 K100P T 825 825 ₹<u>8</u>5 ₹27 ¥27

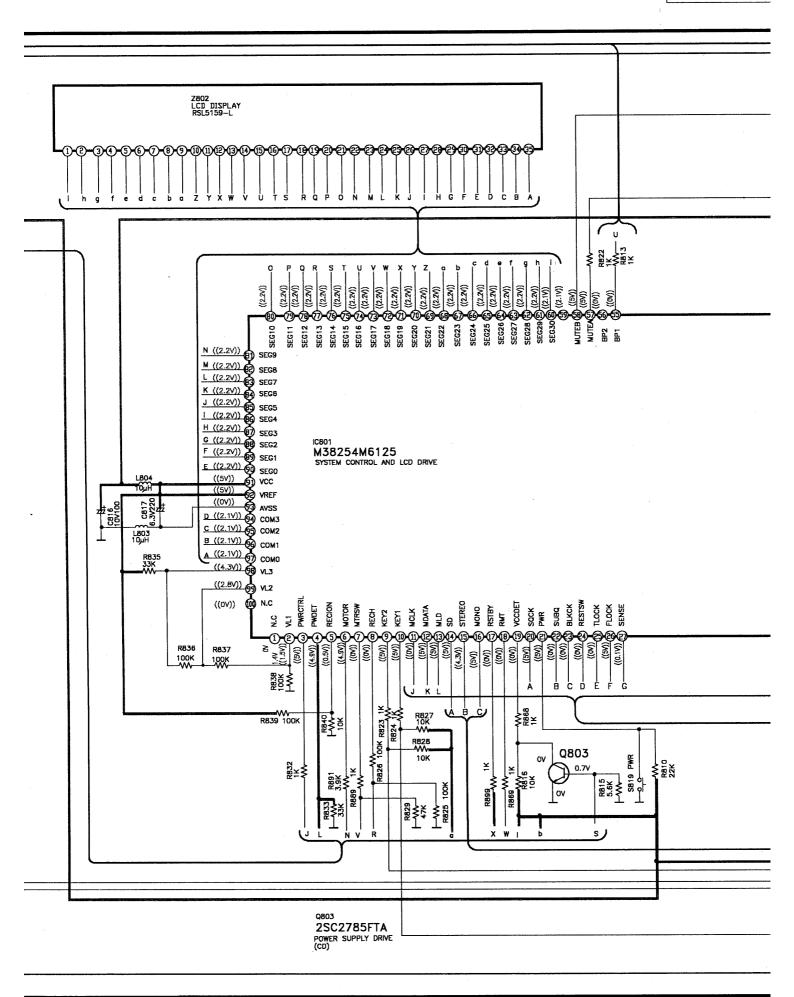


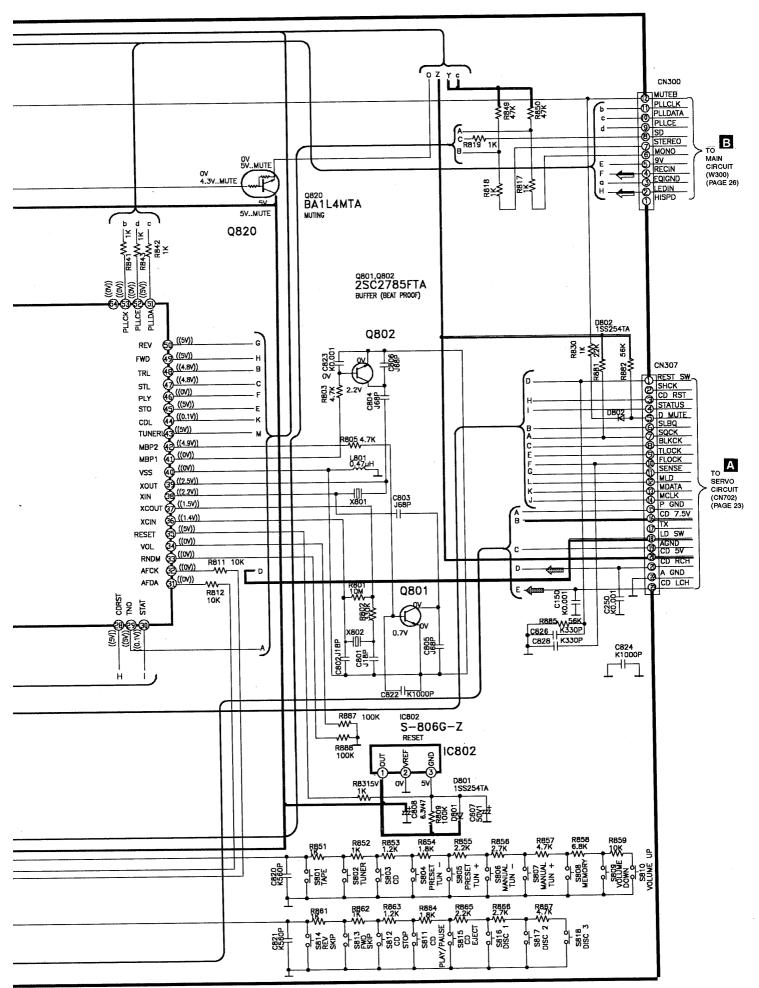


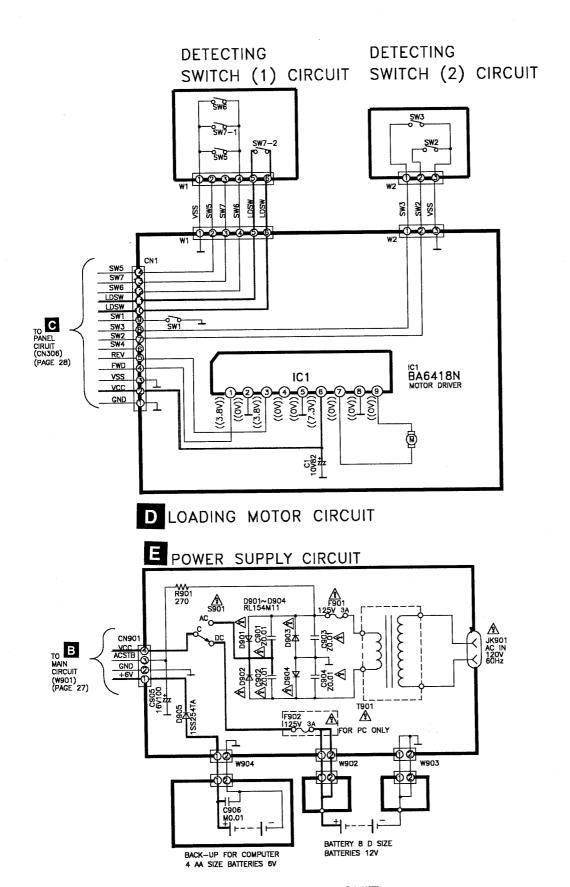


C PANEL CIRCUIT









BATTERY CIRCUIT

■ Schematic Diagram

< for Servo circuit > (Page 23) • S701 Reset switch < for Main circuit > (Page 26) • SW601 Motor switch. • SW603 Rec. leaf switch. < for Panel circuit > (Page 28 ~ 30) • S801 Tape switch • S802 Tuner switch · S803 CD switch Preset Tuning Down switch S804 Preset Tuning Up switch S805 Tuning Down switch • S806 Tuning Up switch S807 Memory switch S808 Volume Down switch S809 · S810 Volume Up switch • S811 Play/Pause switch • S812 CD Stop switch Forward skip switch · S813 Reverse skip switch S814 CD Eject switch S815 CD Disc 1 switch • S816 S817 CD Disc 2 switch • S818 CD Disc 3 switch • S819 Power switch • VR301-1 ~ VR301-2 : XBS control • VR302-1 ~ VR302-2 : Equaliser control (330Hz) • VR303-1 ~ VR303-2 : Equaliser control (1kHz) • VR304-1 ~ VR304-2 : Equaliser control (10kHz) < for Loading Motor circuit > (Page 31) Leaf switch. • SW1 • SW2~SW7-2 : Mecha switch. < for Power Supply circuit > (Page 31)

(All schematic diagrams may be modified at any time with the development of new technology)

< General > Battery Current

• S901

Vol. min

215mA (Radio)

Vol. max 550mA (Radio) 300mA (Tape) 485mA (CD)

905mA (Tape) 1600mA (CD) 2.3mA (Recording) 2.285mA (Recording)

{ }: Tuner

Measurement condition:

: FM 60 dB, 30%mod Radio AM 74 dB/m, 30% mod

315 Hz, 0dB Tape 1kHz, 0dB

Signal line

: +Bline

: FM/AM signal line

AC/DC switch (JK901)

Main signal line

: Playback signal line

: Record signal line

CD signal line FM signal line AM OSC signal line

FM OSC signal line

< >.... FM

•The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the

: AM signal line

Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

(()): CD

•Importance safety notice:

No mark: Playback

Components identified by extstyle resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Caution!

IC, LSI and VLSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care during repair.

<< >>.....Rec

- •Cover the parts boxes made of plastics with aluminium foil.
- •Ground the soldering iron.

- •Put a conductive mat on the work table.
- •Do not touch the pins of IC, LSI or VLSI with fingers directly.

().... AM

■ Mechanism Parts List

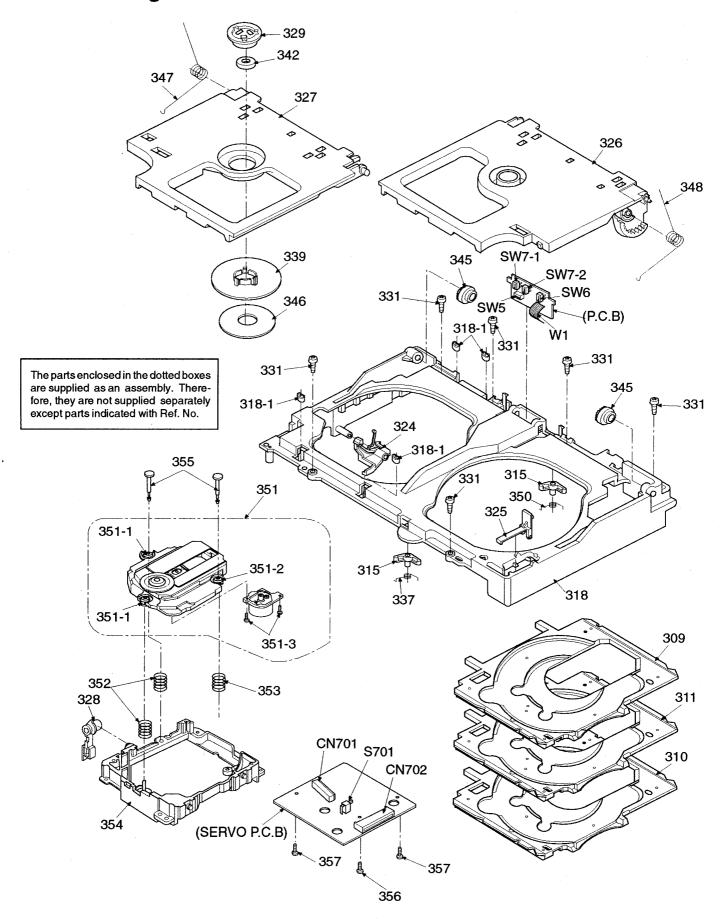
Note: [M] mark in Remarks column indicates parts that are supplied by MESA.

			,								
Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No	Part No.	Part Name & Description	Remarks
		CASSETTE DECK		120	RFKRCT090P-K	CHASSIS ASS'Y	[M]	141	RXF0012	FLYWHEEL ASSY	[M]
				121	RML0071	SWINGLEVER	[M]	141-1	RHW21008	FLYWHEEL WASHER	[M]
101	RDV0007	MAINBELT	[M]	122	RML0072	AS RELEASE LEVER	[M]	142	RMB0044	TRIGGERSPRING	[M]
103	RMB0109-1	BRAKESPRING	[M]	123	RML0073-1	ASPROTECTLEVER	[M]	143	RML0075	TRIGGERLEVER	[M]
104	RML0116	BRAKE	[M]	124	RML0074	IDLERLEVER	[M]	144	RXP0014	RF CLUTCH ASSY	[M]
105	RBR2CY009	ERASEHEAD	[M]	125	RML0076	EJECTSELECTIONLEVER	[M]	145	RXP0015	PINCH ROLLER ASSY	[M]
106	RDG0057	IDLER GEAR	[M]	126	RML0077	LOCK PLATE	[M]	145-1	RMB0049	PINCH ARM SPRING	[M]
107	RDG0059	FF RELAY GEAR	[M]	127	RML0078	FUNCTION PLATE [M] 146 RBR4CY016-M STEREO AS		STEREO ASTEC HEAD	[M]		
108	RDK0005	CAMGEAR	[M]	129	9 RML0081-1 RECORDSAFETYLEVER [M]		[M]	147	XTN2+14F	R/P HEAD SCREW	[M]
109	RDV0006-1	RFBELT	[M]	130	RML0082	PAUSELEVER	[M]	149	RMA0696	HEADBASE	[M]
110	RHW16009	CAPSTAN WASHER	[M]	131	RMM0023	PLAYROD	[M]	151	RMQ0384	HEADBASE	[M]
111	RMA0109	BACKPLATE	[M]	132	RMM0024	REW ROD	[M]	154	RXR0004	TAKE UP REEL ASSY	[M]
112	RMB0043-1	RODOPERATIONSPRING	[M]	133	RMM0025	FF ROD	[M]	155	RXR0005	SUPPLY REEL ASSY	[M]
113	RMB0045	ASSPRING	[M]	134	RMM0026	STOP ROD	[M]	156	XTN2+6J	BACK PLATE SCREW	
114	RMB0046-1	LOCKPLATESPRING	[M]	135	RMM0027	PAUSE ROD	[M]	158	RHD26002	MOTORSCREW	
115	RMB0047	HEAD PANEL SPRING	[M]	136	RMM0028	REC ROD	[M]	160	RMG0102	MOTOR RUB, CUSH.	[M]
116	RMB0048	IDLERLEVERSPRING	[M]	137	RMM0029	EJECT SLIDE LEVER	[M]	162	RFKPXDS101PK	DÒ MOTORASS'Y	[M]
117	RMB0053	PAUSE LEVER SPRING	[M]	138	8 RMR0211 PAUSEBUSH [M] 163 RMA0108 MOTORE		MOTORBK	[M]			
118	RMB0125	BACK TENSION SPRING	[M]	139	RMR0227 IDLER GEAR BUSH [M] 164 XTN26+8J MOTOR BK SCR		MOTORBKSCREW				
119	RMC0061	PACK SPRING	[M]	140	RMS0055	REEL SHAFT	[M]	165	RME0098-2	EJECT SLIDE LEVER SP	[M]

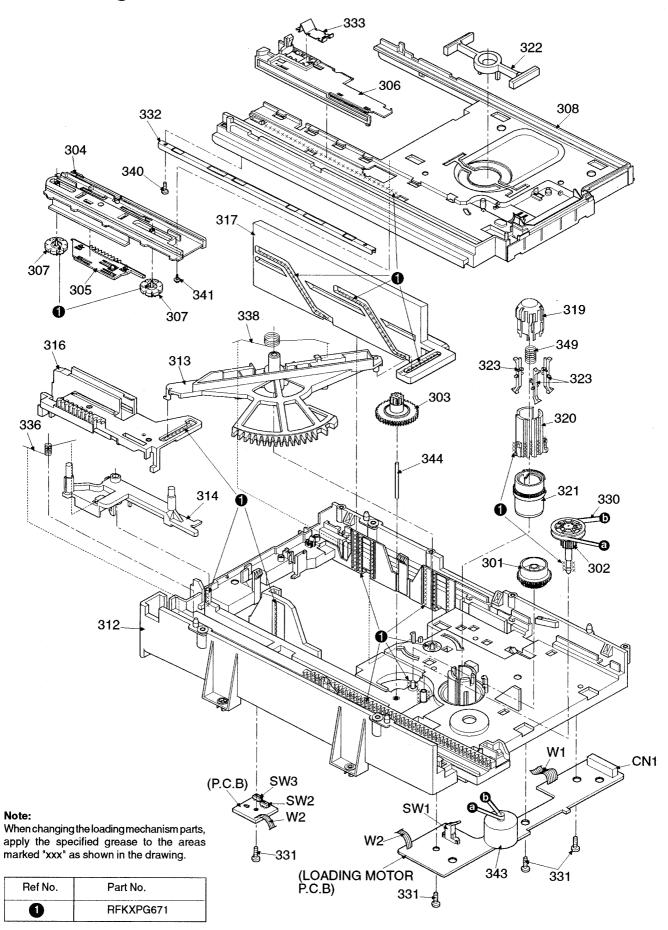
■ CD Loading Unit Parts List Note: [M] mark in Remarks column indicates parts that are supplied by MESA.

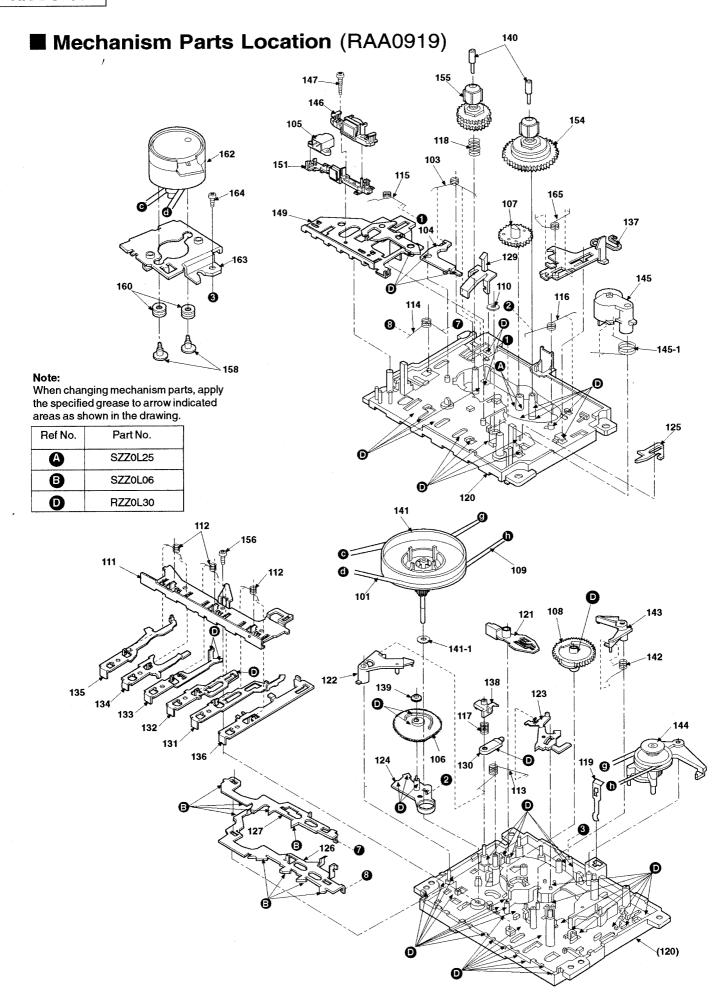
wote.	[ivi] maix iii ri	emarks column indica	ales part	s mai a	re supplied by	MESA.					
Ref No.	Part No.	Part Name & Description	Remarks	Ref No	. Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
		TRAVERSE DECK		319	RMR0889-K	DISC UP LOCK PIN	[M]	342	RHM245ZA	MAGNET	[M]
				320	RMR0890-K	DISC DOWN LOCK PIN	[M]	343	RFKPDS790PK1	MOTORASS'Y	[M]
301	RDG0309	RELAY GEAR	[M]	321	RDG0314	UP/DOWNGEARLEVER	[M]	344	RMS0503	DRIVE GEAR SHAFT	[M]
302	RDG0310	PULLEY GEAR	[M]	322	RML0402	TRAYPUSHLEVER	[M]	345	RDG0183-L	DAMPERGEAR	[M]
303	RDG0311	DRIVE GEAR	[M]	323	RML0386	DISC CLAMP LEVER	[M]	346	RMF0188	CLAMPERSHEET	
304	RMM0134	DRIVE RACK	[M]	324	RML0387	LOPENLEVER	[M]	347	RME0175	L CD OPEN SPRING	[M]
305	RMM0135	CUSHION RACK	[M]	325	RMR0891-K	ROPENLEVER	[M]	348	RME0176	R CD OPEN SPRING	[M]
306	RMM0136	CARRIERLEVER	[M]	326	RFKKDS790PK3	R LID ASS'Y	[M]	349	RME0177	DISCLOCK SPRING	[M]
307	RDG0312	SPEED UP GEAR	[M]	327	RMR0893-K	LLID	[M]	350	RME0181	UP PREVENTION SPRING(R	[M]
308	RFKRDS790PK1	TRAYBASE ASS'Y	[M]	328	RMR0898-K	STOPPER	[M]	351	RAE0150Z	TRAVERSE UNIT	
309	RGQ0170-K	TRAY 1	[M]	329	RMR0334	FIXED PLATE	[M]	251-1	SHGD113-1	FLOATING RUBBER (B)	
310	RGQ0171-K	TRAY2	[M]	330	RDV0036	BELT	[M]	351-2	SHGD112	FLOATING RUBBER (A)	
311	RGQ0172-K	TRAY3	[M]	331	XTB3+10JFZ	SCREW PB, LID		351-3	SNSD38	SCREW	
312	RFKRDS790PK2	MECHA BASE ASS'Y	[M]	332	RMA0868	SUPPORTANGLE	[M]	352	RME0109	FLOATING SPRING A	
313	RML0379	CHANGELEVER	[M]	333	RMC0274	TRAYFOOKSPRING	[M]	353	RME0142	FLOATING SPRING B	
314	RML0380	LOCK LEVER	[M]	336	RME0170	LOCKLEVERSPRING	[M]	354	RMK0293	TRAVERSE CHASSIS	[M]
315	RML0384	UPPREVENTIONLEVER	[M]	337	RME0182	UP PREVENTION SPRING(L	[M]	355	RMS0123-1	FIXED PIN A	
316	RMM0138	SLIDE PLATE LEVER(1)	[M]	338	RME0179	ASSIST SPRING	[M]	356	XTN2+6G	SCREW	
317	RMM0140	SLIDE PLATE LEVER(2)	[M]	339	RMR0789-K	MAGNETHOLDERLEVER	[M]	357	XTV2+6G	SCREW	
318	RFKNDS790PK1	MECHA COVER ASS'Y	[M]	340	XTN2+6F	SCREWSUPPORTANGLE	[M]				
318-1	RMG0413-Q	RUBBER TUBE	[M]	341	RHD20010	SCREW DRIVE RACK	[M]				

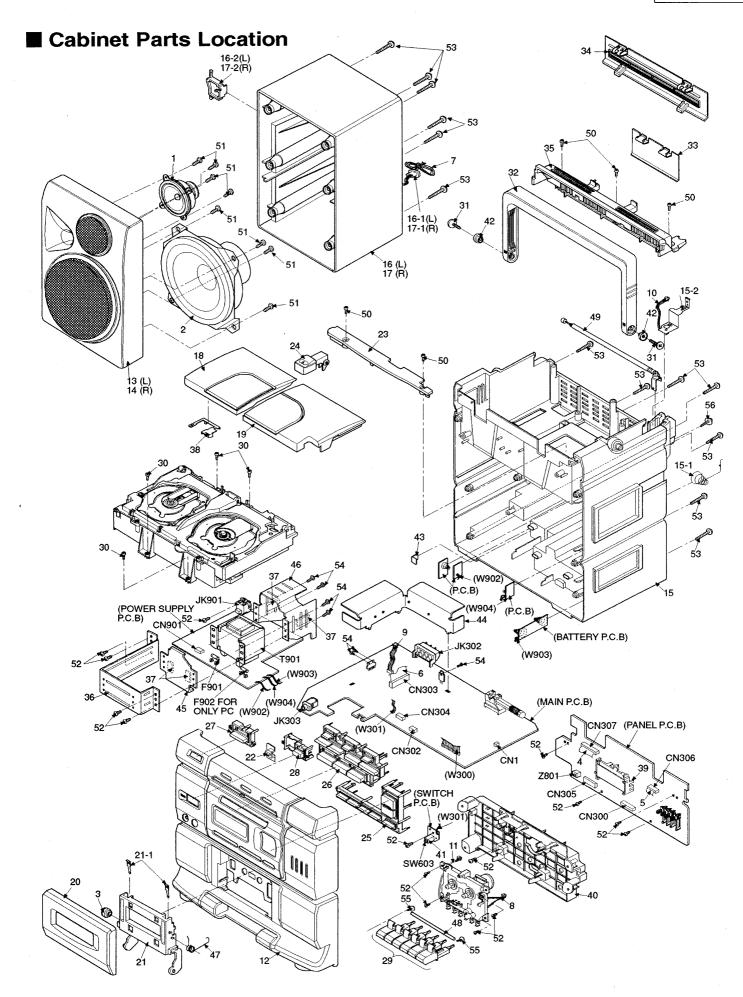
■ CD Loading Unit Parts Location



■ CD Loading Unit Parts Location







■ Replacement Parts List

Notes: • Important safety notice :

Components identified by riangle mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

The parenthesized indications in the Remarks column specify the areas. (refer to the cover page for area.)

- Parts without these indications can be used for all areas.

 [M] indicates in Remarks column parts that are supplied by MESA.
- The "(SF)" mark denotes the standard part.
 Remote Control Unit:

Supply period for three years from terminal of production.

• Warning: This product uses a laser diode. Refer to caution statements on page 2.

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHAS	SIS	30	RHD30048	CD CHANGER SCREW	[M]	IC307	S81350HG-T	IC, 5V REGULATOR	[M]
				31	RHD30062	HANDLESCREW	[M]	IC801	M38254M6125	IC, MICRO PROCESSOR	[M]
1	EFBS10D49A3	TWEETERPLATE	[M]	32	RKH0032-H	HANDLE	[M]	IC802	S-806G-Z	IC, RESET	[M]
2	RAS12P02-F	WOOFER	[M]	33	RKK0035-H	BATTERYCOVER(UM-3)	[M]				
3	RDG5874ZB	DAMPER GEAR	[M]	34	RKK2SZA-7	BATTERYCOVER(UM-1)	[M]			TRANSISTORS	
4	REEX0019-1	PANEL TO CR5 WIRE	[M]	35	RKQ0188-H	TOPCABINET	[M]				
5	REEX0020	PANEL TO CR5 (MOTOR	[M]	36	RMAX0021	TRANS. BRACKET	[M]	Q1	2SC2785FTA	TRANSISTOR	
3	REEX0021	MAIN TO PANEL WIRE	[M]	37	RMGX0013	RUBBER	[M]	Q2	2SC2785FTA	TRANSISTOR	
7	REXX0089	SPEAKERCORD	[M]	38	RML0451	EMERGENCY EJLEVER	[M]	QЗ	2SC2787FL1TA	TRANSISTOR	
3	REXX0128	MOTORWIRE	[M]	39	RMNX0013-X	LCDHOLDER	[M]	Q4	2SC2787LTA	TRANSISTOR	
9	REXX0129-1	MAINTOPOWER4PWIRE	[M]	40	RMQX0010-K	MECHA CHASSIS	[M]	Q5	BN1L3NTA	TRANSISTOR	[M]
10	REXX0134	ANTENNA PLATE WIRE	[M]	41	RMR0897-K	LEAF SW COVER	[M]	Q10	BA1A4MTA	TRANSISTOR	[M]
11	REXX0135	TAPE HEAD WIRE	[M]	42	RMR0900-K	HANDLE PIECE	[M]	Q11	2SA1175FTA	TRANSISTOR	[M]
12	RFKGDS750PK1	FRONT CABINET ASS'Y	[M]	43	RMVX0026	BATTERYCONPARTMENT	[M]	Q100	2SC2785FTA	TRANSISTOR	
13	RFKGDS750PK2	SP FRONT CAB ASS'Y(L	[M]	44	RMYX0020	HEATSINK	[M]	Q101	2SC2785FTA	TRANSISTOR	
14	RFKGDS750PK3	SP FRONT CAB ASS'Y(R	[M]	45	RSCX0021	TRANSSHIELD PLATE 2	[M]	Q161	2SC2785FTA	TRANSISTOR	
15	RFKHDS750PCK	REAR CABINET ASS'Y	[M](PC)	46	RSCX0032	TRANS SHIELD PLATE 1	[M]	Q200	2SC2785FTA	TRANSISTOR	
15	RFKHDS750PK1	REAR CABINET ASS'Y	[M](P)	47	RUS781ZA	EJECTSPRING	[M]	Q201	2SC2785FTA	TRANSISTOR	
15-1	RJC91006	BATT. TERMINAL	[M]	48	SUX102	MECHA BUTTONSHAFT	[M]	Q261	2SC2785FTA	TRANSISTOR	
15-2	RMAX0022	ANT. PLATE	[M]	49	XEARR175ED-Y	ROD ANTENNA		Q304	BN1A4MTA	TRANSISTOR	[M]
16	RFKHDS750PK2	SP REAR CAB ASS'Y(L	[M]	50	XTN3+12CFZ	CD MECHA COVER SCREW		Q306	2SC2785FTA	TRANSISTOR	
16-1	RMGX0012-K	CORD BUSHING	[M]	51	XTV3+10G	WOOFERSCREW		Q307	2SC2001KTA	TRANSISTOR	
16-2	RMR0408	LOCKLEVER(L)	[M]	52	XTV3+12G	PCBSCREW		Q308	2SC1684STA	TRANSISTOR	
17	RFKHDS750PK3	SP REAR CAB ASS'Y(R	[M]	53	XTV3+20G	REARCABINETSCREW		Q309	BN1A4MTA	TRANSISTOR	[M]
17-1	RMGX0012-K	CORD BUSHING	[M]	54	XTV3+8F	IC SCREW		Q311	2SA564RTA	TRANSISTOR	
17-2	RMR0407	LOCKLEVER (R)	[M]	55	XTWS3+8T	MECHABUTTONSCREW	,	Q315	BN1L3NTA	TRANSISTOR	[M]
18	RFKKDS750PK1	CD LID ASS'Y (L)	[M]	56	XYN3+F8FY	RODANTENNASCREW	,	Q316	BA1L4MTA	TRANSISTOR	[M]
19	RFKKDS750PK2	CD LID ASS'Y (R)	[M]					Q317	BN1L3ZTA	TRANSISTOR	[M]
20		CASS. LID ASS'Y	[M]			INTEGRATED CIRCL	JITS	Q318	2SB1566E	TRANSISTOR	[M] <u></u>
21		CASS. HOLDER ASS'Y						Q319	2SC2785FTA	TRANSISTOR	
21-1	RUS757ZAA	CASS. HALF SPRING	[M]	IC1	TA7358FMATEL	IC, FM RF		Q320	2SD592STA	TRANSISTOR	<u>^</u>
22	RGLX0005-Q	LED DISPERSE CAP	[M]	IC2	LM7001M-TE-L	IC, PLL		Q321	2SB621RTA	TRANSISTOR	
23	RGQ0180-K	CD MECHA COVER	[M]	IC3	LA1831MSATEL	IC, IF MPX		Q322	2SC2785FTA	TRANSISTOR	
24	RGU1289-H	CD EJECT BUTTON	[M]	IC301	AN7348K	IC, PRE-AMP	[M]	Q323	2SC2785FTA	TRANSISTOR	À
25	RGUX0154-H1	VOL/PRESET BUTTON		IC302	BA7755A	IC,AC BIAS SWITCHING	à	Q324	BN1L3NTA	TRANSISTOR	[M]
26	RGUX0155-H	FUNCTION/CDBUTTON	-	IC303	TC4052BP	IC, SWITCHING	[M]	Q390	BA1A3QTA	TRANSISTOR	[M]
27	RGUX0156-H	CD EJECT BUTTON	[M]	IC304	AN7332STAE1	IC, 5-BAND GEQ	[M]	Q391	2SD965RTA	TRANSISTOR	
28	RGUX0157-H	POWERBUTTON	[M]	ļ	M62414SP	IC, E. VOLUME		Q801	2SC2785FTA	TRANSISTOR	
29	RGZX0022-H	MECHA BUTTON UNIT	+	10306	AN7135	IC, POWER AMP	-	Q802	2SC2785FTA	TRANSISTOR	1

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
Q803	2SC2785FTA	TRANSISTOR				TRIMMER		L9	RLQZPR47KT-Y	RF CHOKE COIL	
Q808	BA1L4MTA	TRANSISTOR	[M]					L221	RLQZP221KT-Y	INDUCTOR	
Q809	BN1L3NTA	TRANSISTOR	[M]	CT1	RCV10AF1T-S	TRIMMERCAPACITOR		L301	RL09B17-T	AC BIAS OSC COIL	
Q820	BA1L4MTA	TRANSISTOR	[M]					L303	RLQZP2R2KT-Y	RF CHOKE COIL	
						SWITCHES		L304	RLQZP2R2KT-Y	RF CHOKE COIL	
		DIODES						L305	RLQZP2R2KT-Y	RF CHOKE COIL	
	-			S801	EVQ21405R	SW, TAPE		L306	RLQZP2R2KT-Y	RF CHOKE COIL	
D1	KV1360NT	DIODE		S802	EVQ21405R	SW, TUNER		L307	RLQZPR47KT-Y	RF CHOKE COIL	
D2	MTZJ7R5CTA	DIODE		S803	EVQ21405R	SW, CD		L310	RLQZP2R2KT-Y	RF CHOKE COIL	
D3	KV1580NT	DIODE		S804	EVQ21405R	SW, PRESET -		L801	RLQZPR47KT-Y	RF CHOKE COIL	
D4	KV1360NT	DIODE -		\$805	EVQ21405R	SW, PRESER +		L803	RLQZP100KT-Y	RF CHOKE COIL	
D5		DIODE	[M]	S806	EVQ21405R	SW, TUNING -		L804	RLQZP100KT-Y	RF CHOKE COIL	
D6	1SS254TA	DIODE	,	S807	EVQ21405R	SW, TUNING +		L811	RLQZB1R8KT-D	COIL	
		DIODE			EVQ21405R	SW, MEMORY		L812	RLQZB1R8KT-D	COIL	
D305		DIODE			EVQ21405R	SW, VOLUME -		L813	RLQZP100KT-Y	RF CHOKE COIL	
D306	1SS254TA	DIODE			EVQ21405R	SW, VOLUME +		T1	RLI2Z010-T	AM IFT	
D307	1SS254TA	DIODE		S811	EVQ21405R	SW, PLAY/PAUSE		T2	RLI4B014-T	FM DET COIL	
D308	1SS254TA	DIODE			EVQ21405R	SW, CD STOP		T901	RTP1U1C002-X	POWER TRANSFORMER	[M] A
	1SS254TA	DIODE			EVQ21405R	SW, FWD SKIP					
	MTZJ12BTA	DIODE	<u>^</u>	S814	EVQ21405R	SW, REV SKIP				COMPONENT COMBIN	ATION
D312	1SS254TA	DIODE	/ .	S815	EVQ21405R	SW, CD EJECT					
D313	1SS254TA	DIODE		S816	EVQ21405R	SW, DISC 1		Z1	RCRBMT002-H	BPF	
	MTZJ12BTA	DIODE	Λ	S817	EVQ21405R	SW, DISC 2		Z801		REMO-CON SENSOR	
	MTZJ8R2CTA	DIODE	Â	S818	EVQ21405R	SW, DISC 3		Z802	RSL5159-L	LCD	[M]
D317	1SS254TA	DIODE	(1)	ļ	EVQ21405R	SW, POWER					
D318	1SS254TA	DIODE		S901	RJJ1SM02-H	SW, AC IN (JK901)	Â	<u> </u>		CERAMIC FILTERS	
D320	1SS254TA	DIODE			RSH1A006-U	SW, MOTOR	[M]	-			
D321	MTZJ5R6BTA	DIODE			RSH1A004-1	SW, REC. LEAF	[M]	CF1	RLFFETWLA02D	EMIECE	
D321	RVDMTZ11BTA			011000	HOITIA004 I	OW, TIEO. EEAT	[ivij	GF2	RLFFETWLA02D		
D801	1SS254TA	DIODE				CONNECTORS			TIET ETTEROZE		
D802	1SS254TA	DIODE				CONNECTOR				OSCILLATORS	
D804	1SS254TA	DIODE		CN1	RJP2G18ZA	2-PIN CONNECTOR				COOLLATORO	
D805	1SS254TA	DIODE		<u> </u>	RJS1A5212	12-PIN CONNECTOR	[M]	X1	RSXZ456KM01	CERALOCK	
D806	SLR33VC70F08		[M]		RJP4G18ZA	4-PINCONNECTOR	fini	X2	RSXC7M20S04T		
			[M]		RJS1A6823	23P FPC CONNECTOR		X801	EF0EN4194T4	4.194MHZRESONATOR	I IMI
D812 D813	1SS254TA 1SS254TA	DIODE		ļ	RJP4G4YA	4-PINCONNECTOR		X802	RSXD32K7L01	CRYSTAL RESONATOR	
D901	RL154M11	DIODE		ļ	RJS1A6723-Q	23P FFC CONNECTOR		1	, IONEGENTED !	S. I. O. I. A. L. I. L. GOINATOIT	[,*,]
		DIODE	<u>A</u>	-	RJS1A6723-Q	FFCONNECTOR				FUSES	<u> </u>
D902	RL154M11		<u> </u>		RJS1A6823	23P FPC CONNECTOR				10323	
D903 D904	RL154M11	DIODE	<u> </u>		RJP4G4YA	4 PIN CONNECTOR		F901	XBA1C30NBAL	FUSE	[M] /Î
	1SS254TA	DIODE	<u>A</u>	511301	, IOI TOTIA			F902	XBA1C30NBAL		[M](PC)/
D905	1002041A	DIODE		-		COILS & TRANSFOR	MEDO	302	VDVICONIADAL	1 000	[ivi](LON)
		VARIABLE RESISTO	RS			COLO & INANSPOR		 		FUSE HOLDERS	
ļ		VARIABLE RESISTO	no	<u> </u>	DI VOCO16 07	EM E ANT	[M]		· · ·	1 03E HOLDENS	
VD22 :	TIAVA IODI VOCCE	VD VDO	D.C	L2	RLV2C016-0Z	FM F ANT	[M]	FLICOS	D ID0100T	ELICE HOLDED	INA?
<u> </u>	EWAJSDV06G54		[M]	L3	RL02B008-T	AM OSC COIL		l	RJR0169T	FUSE HOLDER	[M]
IVB302	EWAJQDV06G54	VR, GEQ SLIDE (330Hz)	[M]	L5	RLQZP8R2JT-\	COIL	ļ	FH902	RJR0169T	FUSE HOLDER	[M]
	D. 14 100 100 1	VR, GEQ SLIDE (1kHz)	[M]	L6	DI 04101 17 7	RF CHOKE COIL	[M]	I Fricas	RJR0169T	FUSE HOLDER	[M](PC)

											г
Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
		JACKS				TRANSISTOR					
			[M]	Q701	2SB709S	TRANSISTOR					
			[M]					-			
JK901	RJJ1SM02-H	JK, AC INLET	<u>^</u>			SWITCH					
		PACKING MATERIAL	s	S701	RSM0006-P	SW, RESET					
P1	RPGX0253	GIFT BOX	[M](P)			CONNECTORS					
P1	RPGX0254	GIFTBOX	[M](PC)						14.00		
P2	RPH3SZA	MIRAMATSHEET	[M]	CN701	RJU035T016-1	16 PIN FFC CONNECTOR					
P3	RPNX0052	POLYFOAM	[M]	CN702	RJS1A6723-1Q	23 PIN FFC CONNECTOR					
		ACCESSORIES	:			OSCILLATOR					
A1	EUR643824	REMOTE CONTROL	[M]	X701	RSXZ16M9M01T	CERAMIC OSC					
A1-1	UR64EC1638-1	R.C.BATTERY COVER	[M]	ļ							
A2	RFKSDS750PCK	INST. MANUAL ASS'Y	[M](PC)								
A2	RQT3294-1P	INSTRUCTION MANUAL								~	
АЗ	SJA172	AC CORD	(SF) <u></u>								
		< LOADING MOTOR >									
		INTEGRATED CIRCU	ITS					$\parallel +$			
		INTEGRATED GITTO	-								
IC1	BA6418N	IC, MOTOR DRIVER									
		SWITCHES									
SW1	RSH1A005	SW, LEAF								1	
SW2	RSH1A032-U	SW, MECHA							A CONTRACTOR OF THE CONTRACTOR		
SW3	RSH1A032-U	SW, MECHA									
SW5	RSH1A032-U	SW, MECHA									
SW6	RSH1A032-U	SW, MECHA									
SW7-1	RSH1A032-U	SW, MECHA									
SW7-2	RSH1A032-U	SW, MECHA									
		CONNECTOR		İL			ļ				
	and would record to the control of t										
CN1	RJS1A6714	14PIN CONNECTOR									
-		< SERVO P.C.B. >									
		INTEGRATED CIRCL	ITS								
IC701	AN8835SBE1	IC, SERVO AMP.				i .			,		
IC702	MN662741RPA	IC, DIGITAL LSI									
IC703	AN8389SE1	IC, COIL/MOTOR DRIV	E								
											-
											_

■ Resistors & Capacitors

Notes: • Important safety notice:

Components identified by $\hat{\Lambda}$ mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Capacitor values are in microfarad (μF) unless specified otherwise, P=Pico-farads (ρF) F=Farads (F)

- Resistors values are in ohms, unless specified otherwise, 1k=1,000(OHM), 1M=1,000k(OHM)

Ref No	Part No.	Values	& Remarks	Ref No	Part No.	Values	& Remarks	Ref No.	Part No.	Values à	& Remarks	Ref No	Part No.	Values o	& Remarks
	RESISTORS			R81	ERDS2TJ470T	47	1/4W	R265	ERDS2TJ121T	120	1/4W	R375	ERDS2TJ472T	4.7K	1/4W
				R101	ERDS2TJ470T	47	1/4W	R301	ERDS2TJ106T	10M	1/4W	R376	ERDS2TJ220T	22	1/4W
R1	ERDS2TJ104T	100K	1/4W	R102	ERDS2TJ183T	18K	1/4W	R303	ERDS2TJ101T	100	1/4W	R377	ERDS2TJ220T	22	1/4W
R2	ERDS2TJ152T	1.5K	1/4W	R104	ERDS2TJ822T	8.2K	1/4W	R304	ERDS2TJ223T	22K	1/4W	R378	ERDS2TJ220T	22	1/4W
R3	ERDS2TJ104T	100Ķ	1/4W	R105	ERDS2TJ333T	33K	1/4W	R305	ERDS2TJ103T	10K	1/4W	R379	ERDS2TJ103T	10K	1/4W
R4	ERDS2TJ103T	10K	1/4W	R106	ERDS2TJ153T	15K	1/4W	R306	ERDS2TJ333T	33K	1/4W	R380	ERDS2TJ392T	3.9K	1/4W
R5	ERDS2TJ104T	100K	1/4W	R107	ERDS2TJ392T	3.9K	1/4W	R307	ERDS2TJ123T	12K	1/4W	R381	ERDS2TJ333T	33K	1/4W
R6	ERDS2TJ102T	1K	1/4W	R121	ERDS2TJ103T	10K	1/4W	R308	ERDS2TJ274T	270K	1/4W	R382	ERDS2TJ393T	39K	1/4W
R7	ERDS2TJ330T	33	1/4W	R122	ERDS2TJ682T	6.8K	1/4W	R309	ERDS2TJ273T	27K	1/4W	R383	ERDS2TJ123T	12K	1/4W
R8	ERDS2TJ332T	3.3K	1/4W	R123	ERDS2TJ473T	47K	1/4W	R311	ERDS2TJ392T	3.9K	1/4W	R384	ERDS2TJ122T	1.2K	1/4W
R9	ERDS2TJ102T	1K	1/4W	R125	ERDS2TJ273T	27K	1/4W	R313	ERDS2TJ102T	1K	1/4W	R385	ERDS2TJ562T	5.6K	1/4W
R10	ERDS2TJ101T	100	1/4W	R126	ERDS2TJ472T	4.7K	1/4W	R314	ERDS2TJ221T	220	1/4W	R386	ERDS2TJ102T	1K	1/4W
R11	ERDS2TJ151T	150	1/4W	R130	ERDS2TJ682T	6.8K	1/4W	R315	ERDS2TJ100T	10	1/4W	R388	ERDS2TJ563T	56K	1/4W
R12	ERDS2TJ103T	10K	1/4W	R132	ERDS2TJ152T	1.5K	1/4W	R316	ERDS2TJ823T	82K	1/4W	R390	ERDS2TJ391T	390	1/4W
R13	ERDS2TJ104T	100K	1/4W	R136	ERDS2TJ155T	1.5M	1/4W	R317	ERDS2TJ681T	680	1/4W	R391	ERDS2TJ473T	47K	1/4W
R14	ERDS2TJ471T	470	1/4W	R137	ERDS2TJ562T	5.6K	1/4W	R318	ERDS2TJ472T	4.7K	1/4W	R393	ERDS2TJ2R7T	2.7	1/4W
R15	ERDS2TJ102T	1K	1/4W	R138	ERDS2TJ122T	1.2K	1/4W	R319	ERDS2TJ223T	22K	1/4W	R801	ERDS2TJ106T	10M	1/4W
R16	ERDS2TJ102T	1K	1/4W	R160	ERDS2TJ333T	33K	1/4W	R320	ERDS2TJ560T	56	1/4W	R802	ERDS2TJ334T	330K	1/4W
R17	ERDS2TJ334T	330K	1/4W	R161	ERDS2TJ392T	3.9K	1/4W	R321	ERDS2TJ563T	56K	1/4W	R803	ERDS2TJ472T	4.7K	1/4W
R18	ERDS2TJ331T	330	1/4W	R162	ERDS2TJ823T	82K	1/4W	R330	ERDS2TJ102T	1K	1/4W	R805	ERDS2TJ472T	4.7K	1/4W
R20	ERDS2TJ103T	10K	1/4W	R163	ERDS2TJ2R7T	2.7	1/4W	R331	ERDS2TJ681T	680	1/4W	R809	ERDS2TJ104T	100K	1/4W
R21	ERDS2TJ103T	10K	1/4W	R165	ERDS2TJ121T	120	1/4W	R332	ERDS2TJ102T	1K	1/4W	R810	ERDS2TJ223T	22K	1/4W
R22	ERDS2TJ334T	330K	1/4W	R201	ERDS2TJ470T	47	1/4W	R340	ERDS2TJ331T	330	1/4W	R811	ERDS2TJ103T	10K	1/4W
R23	ERDS2TJ392T	3.9K	1/4W	R202	ERDS2TJ183T	18K	1/4W	R341	ERDS2TJ680T	68	1/4W	R812	ERDS2TJ103T	10K	1/4W
R24	ERDS2TJ103T	10K	1/4W	R204	ERDS2TJ822T	8.2K	1/4W	R342	ERDS2TJ680T	68	1/4W	R813	ERDS2TJ102T	1K	1/4W
R25	ERDS2TJ103T	10K	1/4W	R205	ERDS2TJ333T	33K	1/4W	R343	ERDS2TJ100T	10	1/4W	R815	ERDS2TJ562T	5.6K	1/4W
R26	ERDS2TJ103T	10K	1/4W	R206	ERDS2TJ153T	15K	1/4W	R345	ERDS2TJ471T	470	1/4W	R816	ERDS2TJ103T	10K	1/4W
R27	ERDS2TJ103T	10K	1/4W	R207	ERDS2TJ392T	3.9K	1/4W	R346	ERDS2TJ221T	220	1/4W	R817	ERDS2TJ102T	1K	1/4W
R29	ERDS2TJ331T	330	1/4W	R221	ERDS2TJ103T	10K	1/4W	R347	ERDS2TJ560T	56	1/4W	R818	ERDS2TJ102T	1K	1/4W
R30	ERDS2TJ183T	18K	1/4W	R222	ERDS2TJ682T	6.8K	1/4W	R359	ERDS2TJ563T	56K	1/4W	R819	ERDS2TJ102T	1K	1/4W
R31	ERDS2TJ333T	33K	1/4W		ERDS2TJ473T	47K	1/4W	R361	ERDS2TJ102T	1K	1/4W	R820	ERDS2TJ102T	1K	1/4W
R32	ERDS2TJ332T	3.3K	1/4W	<u> </u>	ERDS2TJ273T	27K	1/4W	R364	ERDS2TJ472T	4.7K	1/4W	_	ERDS2TJ102T	1K	1/4W
R34	ERDS2TJ223T	22K	1/4W		ERDS2TJ472T	4.7K	1/4W	R365	ERDS2TJ122T		1/4W		ERDS2TJ102T	1K	1/4W
R35	ERDS2TJ390T	39	1/4W		ERDS2TJ682T		1/4W	R366	ERDS2TJ1R0T	1	1/4W		ERDS2TJ102T	1K	1/4W
R36	ERDS2TJ104T	100K	1/4W	R232	ERDS2TJ152T	ļ <u>-</u>	1/4W		ERDS2TJ1R0T	1	1/4W	ļ .	ERDS2TJ102T	1K	1/4W
R37	ERDS2TJ153T	15K	1/4W	R236	ERDS2TJ155T		1/4W		ERDS2TJ103T	10K	1/4W	-	ERDS2TJ104T	100K	
R38	ERDS2TJ104T	100K			ERDS2TJ562T	5.6K			ERDS2TJ101T	100	1/4W		ERDS2TJ104T	100K	
	ERDS2TJ223T	22K	1/4W	R238	ERDS2TJ122T	1.2K			ERDS2TJ331T	330	1/4W		ERDS2TJ103T	10K	1/4W
	ERDS2TJ221T	220	1/4W	R260	ERDS2TJ333T	33K	1/4W		ERDS2TJ681T	680	1/4W		ERDS2TJ103T	10K	1/4W
	ERDS2TJ561T	560	1/4W	R261	ERDS2TJ392T	3.9K	1/4W		ERDS2TJ103T	10K	1/4W		ERDS2TJ473T	47K	1/4W
	ERDS2TJ390T	39	1/4W	R262	ERDS2TJ823T	82K	1/4W		ERDS2TJ331T	330	1/4W		ERDS2TJ102T	1K	1/4W
	ERDS2TJ100T	 	1/4W												
וסח	EUD95191001	10	1/477	R263	ERDS2TJ2R7T	2.7	1/4W	H3/4	ERDS2TJ122T	1.2K	1/447	R831	ERDS2TJ102T	1K	1/4W

Ref No	Part No.	Values &	k Remarks	Ref No.	Part No.	Values &	Remarks	Ref No.	Part No.	Values &	Remarks	Ref No.	Part No.	Values &	Remarks
		11/	1/4W	R892	ERDS2TJ681T	680	1/4W	C43	ECEA0JU101B	100	6.3V	C150	ECBT1H102KB5	1000P	50V
	ERDS2TJ102T	1K 33K	1/4VV 1/4W	R893	ERDS2TJ681T		1/4W	C44	ECFR1C473MR	0.047		C160	ECEA1HKA010B		50V
-	ERDS2TJ333T	33K	1/4W	R894	ERDS2TJ681T		1/4W	C45	ECFR1C103MR	0.01	16V		ECEA1CKA101B	100	16V
-	ERDS2TJ333T	100K		R895	ERDS2TJ681T		1/4W	C46	ECEA1CKA100B	10	16V	C162	ECBT1H471KB5		50V
R836	ERDS2TJ104T ERDS2TJ104T	100K		R896	ERDS2TJ681T		1/4W	C47	ECBT1C332MR5				ECEA1AU470B	47	10V
R837		 		R897	ERDS2TJ681T		1/4W	C48	ECBT1H681KB5		50V	C164	ECEA1AU102B		10V
R838	ERDS2TJ104T	100K		R898	ERDS2TJ681T		1/4W	C49	ECEA1HKA010B	1	50V	ļ	ECFR1C104MR		16V
R839	ERDS2TJ104T	100K	1/4VV 1/4W	R899	ERDS2TJ102T		1/4W	C50	ECFR1C223MR	0.022		C201	ECBT1H102KB5	1000P	
R840	ERDS2TJ103T	10K		R901			1/4W	C51	ECFR1C223MR	0.022		C203	ECEA1AU101B		10V
R841	ERDS2TJ102T	1K	1/4W	ns01	ERDS2TJ271T	270	1/444	C52	ECEA1HKA2R2B		50V	C204	ECFR1C183MR	0.018	
R842	ERDS2TJ102T	1K	1/4W		CAPACITORS			C53	ECEA1HKA010B		50V	C205	ECEA1HU010B	1	50V
R843	ERDS2TJ102T	1K	1/4W		CAPACITORS			C54	ECEA1HKA010B	ļ	50V	C207	ECBT1H102KB5	1000P	
R844	ERDS2TJ392T	3.9K	1/4W	01	FORTILIARTY OF	4.7P	50V	C56	ECFR1C223MR	0.022		C208	ECEA1HU010B	1	50V
R845	ERDS2TJ392T	3.9K	1/4W	C1	ECBT1H4R7KC5				ECBT1H102KB5	1000P		C209	ECBT1H102KB5	1000P	
R846	ERDS2TJ392T	3.9K	1/4W	C2	ECBT1H102KB5	1000P		C57	ECBT1H331KB5	330P	50V	C210	ECBT1H102KB5	1000P	
R847	ERDS2TJ392T	3.9K	1/4W	C3	ECBT1C332MR5			C58		470P	50V	C211	ECEA1HU010B	1	50V
R848	ERDS2TJ392T	3.9K	1/4W	C4	ECEA1HN010SB		50V	C59	ECBT1H471KB5 ECBT1C103MS5	0.01	16V	C220	ECEA1HU010B	1	50V
R849	ERDS2TJ473T	47K	1/4W	C5	ECBT1C103MS5		16V	C61	ECBT1H102KB5	1000P		C226	ECEA1CKA100B	ļ	16V
R850	ERDS2TJ473T	47K	1/4W	C6	ECBT1H102KB5	1000P		C63	ECBT1H102KB5	1000P		C228	ECEA1HKA010B		50V
R851	ERDS2TJ102T	1K	1/4W	C8	ECBT1H102KB5	1000P		-				C229	ECFR1C104MR	0.1	16V
R852	ERDS2TJ102T	1K	1/4W	C9	ECEA1AU101B	100	10V	C68	ECBT1H6R8KC5	<u> </u>	50V	-	ECBT1H101KB5	100P	50V
R853	ERDS2TJ122T	1.2K	1/4W	C10	ECBT1H6R8KC5	 	50V	C70	ECBT1H331KB5	330P	50V	C230			50V
R854	ERDS2TJ182T	1.8K	1/4W	C12	ECBT1H102KB5	1000P		C79	ECBT1C103MS5		16V		ECEA1HKA010B	 	16V
R855	ERDS2TJ222T	2.2K	1/4W	C13	ECBT1H102KB5	1000P		C91	ECBT1H102KB5	1000P		C232	ECBT1C103MS5		50V
R856	ERDS2TJ272T	2.7K	1/4W	C14	ECBT1H180JC5	18P	50V	C92	ECBT1C103MS5		16V	C233	ECEA1HKA0R1E	 	
R857	ERDS2TJ472T	4.7K	1/4W	C15	ECBT1H4R7KC5		50V	C93	ECBT1H102KB5	1000P		C234	ECBT1C402MR5	 	
R858	ERDS2TJ682T	6.8K	1/4W	C16	ECBT1H6R8KC5		50V	C101	ECBT1H102KB5	1000P		C237	ECBT1C103MS5	 	16V
R859	ERDS2TJ103T	10K	1/4W	C17	ECBT1H2R2KC5		50V	C103	ECEA1AU101B	100	10V	C240	ECEA1HKA010B		50V
R861	ERDS2TJ102T	1K	1/4W	C18	ECFR1C473MR	0.047	16V	C104	ECFR1C183MR	0.018		C241	ECBT1H102KB5	1000P	
R862	ERDS2TJ102T	1K	1/4W	C19	ECBT1H680J5	68P	50V	C105	ECEA1HU010B	1	50V	C242	ECEA1HKA010B		50V
R863	ERDS2TJ122T	1.2K	1/4W	C20	ECBT1H1R5MC5	 		l 	ECBT1H102KB5			{ 	ECBT1H101KB5	-	50V
R864	ERDS2TJ182T	1.8K	1/4W	C21	ECBT1H102KB5	1000F	50V	C108	ECEA1HU010B	1	50V	C247	ECEA1HKA4R7E	 	50V
R865	ERDS2TJ222T	2.2K	1/4W	C22	ECBT1H102KB5			C109		1		C250	ECBT1H102KB5	 	
R866	ERDS2TJ272T	2.7K	1/4W	C23	ECBT1H331KB5	330P	50V	C110	ECBT1H102KB5			C260	ECEA1HKA010B		50V
R867	ERDS2TJ472T	4.7K	1/4W	C24	ECBT1C103MS5	0.01	16V	C111		1	50V	C261	ECEA1CKA101B	+	16V
R868	ERDS2TJ102T	1K	1/4W	C25	ECBT1H102KB5	1000F	9 50V	C120	ECEA1HU010B	1	50V	C262	ECBT1H471KB5		50V
R869	ERDS2TJ102T	1K	1/4W	C26	ECBT1H270J5	27P	50V	C126	ECEA1CKA100B	10	16V	C263	ECEA1AU470B	47	10V
R871	ERDS2TJ222T	2.2K	1/4W	C27	ECBT1H300J5	30P	50V	C128	ECEA1HKA010B	1	50V	C264		1000	10V
R872	ERDS2TJ681T	680	1/4W	C28	ECEA1AU101B	100	10V	C129	ECFR1C104MR	0.1	16V	C265	ECFR1C104MR	0.1	16V
R874	ERDS2TJ474T	470K	1/4W	C29	ECBT1H102KB5	1000F	2 50 V	C131	ECEA1HKA010E	-	50V	C302	 	0.039	16V [M]
R875	ERDS2TJ474T	470K	1/4W	C31	ECBT1H471KB5	470P	50V	C132	ECBT1C103MS5	0.01	16V	C303	ECEA1CU220B	22	16V
R877	ERDS2TJ681T	680	1/4W	C32	ECBT1H180JC5	18P	50V	C133	ECEA1HKA0R1E	3 0.1	50V	C304		220	10V
R881	ERDS2TJ223T	22K	1/4W	C35	ECBT1H101KB5	100P	50V	C134	ECBT1C682MR5	6800F	9 16V	C305		22	10V
R882	ERDS2TJ563T	56K	1/4W	C36	ECBT1H102KB5	1000F	9 50V	C137	ECBT1C103MS5	0.01	16V	C306		1	50V
R885	ERDS2TJ563T	56K	1/4W	C38	ECEA0JU101B	100	6.3V	C140	ECEA1HKA010E	3 1	50V	C307	ECEA1CU220B	22	16V
R887	ERDS2TJ104T	100K	1/4W	C39	ECBT1H101KB5	100P	50V	C141	ECBT1H102KB5	1000F	9 50V	C308	ECBT1C103MS5	0.01	16V
R888	ERDS2TJ104T	100K	1/4W	C40	ECFR1C223MR	0.022	16V	C142	ECEA1HKA010B	1	50V	C312	ECBT1C103MS5	0.01	16V
R889	ERDS2TJ102T	1K	1/4W	C41	ECBT1H102KB5	1000F	2 50V	C143	ECBT1H101KB5	100P	50V	C313	ECQP2A151JZT	150P	100V
R891	ERDS2TJ392T	3.9K	1/4W	C42	ECEA1HKA010B	1	50V	C147	ECEA1HKA4R7E	3 4.7	50V	C314	ECQP1152JZ	1500F	100V

													And the Augusti		
Ref No.	Part No.	Values &	& Remarks	Ref No.	Part No.	Values &	& Remarks	Ref No.	Part No.	Values &	Remarks	Ref No.	Part No.	Values 8	t Remærks
C315	ECBT1C103MS5	0.01	16V	C824	ECBT1H102KB5	1000P	50V	R736	ERJ6GEYJ101V	100	1/10W	C735	ECUZNE104MBN	0.1	25V
C316	ECBT1C103MS5	0.01	16V	C826	ECBT1H331KB5	330P	50V	R738	ERJ6GEYJ223V	22K	1/10W	C736	ECUZNE104MBN	0.1	25V
C317	ECEA1AU101B	100	10V	C828	ECBT1H331KB5	330P	50V	R741	ERJ6GEYJ562V	5.6K	1/10W	C737	ECUZNE104MBN	0.1	25V
C318	ECEA1CU100B	10	16V	C831	ECBT1H331KB5	330P	50V	R742	ERJ6GEYJ562V	5.6K	1/10W	C738	ECUV1C154KBN	0.15	16V
C319	ECEA1CU100B	10	16V	C832	ECBT1H331KB5	330P	50V	R743	ERJ6GEYJ562V	5.6K	1/10W	C742	ECUV1E273KBN	0.027	25V
C324	ECEA1HU3R3B	3.3	50V	C833	ECBT1H331KB5	330P	50V	R744	ERJ6GEYJ103V	10K	1/10W	C743	ECUZNE104MBN	0.1	25V
C325	ECEA1CU220B	22	16V	C834	ECBT1H331KB5	330P	50V	R745	ERJ6GEYJ155V	1.5M	1/10W	C744	ECUV1E822KBN	8200P	25V
C331	ECBT1H102KB5	1000P	50V	C835	ECBT1H331KB5	330P	50V	R748	ERJ6GEYJ182V	1.8K	1/10W	C745	ECUV1C473MBN	0.047	16V
C333	ECBT1C103MS5	0.01	16V	C836	ECBT1H331KB5	330P	50V	R749	ERJ6GEYJ682V	6.8K	1/10W	C747	ECUV1H222KBN	2200P	5 0V
C337	ECEA1CU100B	10	16V	C837	ECBT1H331KB5	330P	50V	R750	ERJ6GEYJ473V	47K	1/10W	C748	ECUV1H471KBM	470P	50V
C340	ECEA1AU471B	470	10V	C838	ECBT1H331KB5	330P	50V	R751	ERJ6GEYJ473V	47K	1/10W	C749	ECUZNE104MBN	0.1	25V
C341	ECEA1AKA101B	100	10V	C840	ECBT1H331KB5	330P	50V	R752	ERJ8GEYJ220V	22	1/8W	C751	ECUZNE 104MBN	0.1	25V
C342	ECEA1AKA101B	100	10V	C842	ECBT1H102KB5	1000F	50V	R770	ERJ6GEYJ155V	1.5M	1/10W	C752	ECUV1H152KBN	1500P	50V
C343	ECEA1CKA100B	10	16V	C901	ECKR1H103ZF5	0.01	50V <u></u>	R771	ERJ6GEYJ155V	1.5M	1/10W	C753	ECUV1H471KBM	470P	50V
C344	ECEA1HKA2R2B	2.2	50V	C902	ECKR1H103ZF5	0.01	50V <u></u> ∱	R772	ERJ6GEYJ273V	27K	1/10W	C754	ECUV1H471KBN	470P	50V
C345	ECEA1CKA100B	10	16V	C903	ECKR1H103ZF5	0.01	50V <u></u>								
C348	ECEA1CKA101B	100	16V	C904	ECKR1H103ZF5	0.01	50V <u></u> ∱		CAPACITORS				CHIP JUMPERS		
C349	ECEA1CKA100B	10	16 _. V	C905	ECEA1CKA101B	100	16V								
C350	ECEA1HKA2R2B	2.2	50V	C906	ECBT1C103MS5	0.01	16V	C701	ECEA0JKA330I	33	6.3V	RJ701	ERJ8GEY0R00A	0	1/8W
C358	ECA1EM332BV	3300P	25V [M]					C702	ECUZNE104MBN	0.1	25V	RJ702	ERJ8GEY0R00A	0	1/8W
C360	ECEA1CU331B	330	16V		<servo p.c.b.=""></servo>	-		C703	ECEA0JKA101I	100	6.3V	RJ703	ERJ8GEY0R00A	0	1/8W
C361	ECEA1AU220B	22	10V		RESISTORS			C704	ECUZNE104MBN	0.1	25V	RJ704	ERJ8GEY0R00A	0	1/8W
C362	ECEA1AU101B	100	10V					C705	ECUZNE104MBN	0.1	25V	RJ707	ERJ8GEY0R00A	0	1/8W
C365	ECEA1AU101B	100	10V	R701	ERJ6GEYJ4R7V	4.7	1/10W	C706	ECUV1H272KBN	2700P	50V	RJ709	ERJ8GEY0R00A	0	1/8W
C366	ECBT1C103MS5	0.01	16V	R703	ERJ6GEYJ823	82K	1/10W	C707	ECUV1E273KBN	0.027	25V	RJ714	ERJ8GEY0R00A	0	1/8W
C367	ECEA1CU100B	10	16V	R704	ERJ6GEYJ102V	1K	1/10W	C708	ECUV1H472KBN	4700P	50V	RJ715	ERJ8GEY0R00A	0	1/8W
C368	ECEA1AU101B	100	10V	R705	ERJ6GEYJ103V	10K	1/10W	C709	ECUV1C473KBN	0.047	16V	RJ716	ERJ8GEY0R00A	0	1/8W
C369	ECEA1CU100B	10	16V	R706	ERJ6GEYJ102V	1K	1/10W	C710	ECUV1H182KBN	1800P	50V	RJ717	ERJ8GEY0R00A	0	1/8W
C371	ECBT1H471KB5	470P	50V	R707	ERJ6GEYJ474V	470K	1/10W	C711	ECUZNE104MBN	0.1	25V	RJ721	ERJ8GEY0R00A	0	1/8W
C372	ECEA1CU101B	100	16V	R708	ERJ6GEYJ154V	150K	1/10W	C712	ECUZNE104MBN	0.1	25V	RJ722	ERJ8GEY0R00A	0	1/8W
C373	ECBT1H471KB5	470P	50V	R709	ERJ6GEYJ683V	68K	1/10W	C713	ECUV1C104MBM	0.1	16V	RJ723	ERJ8GEY0R00A	0	1/8W
C374	ECEA0JU101B	100	6.3V	R711	ERJ6GEYJ154V	150K	1/10W	C714	ECEA0JKA101I	100	6.3V	RJ724	ERJ8GEY0R00A	0	1/8W
C375	ECBT1C103MS5	0.01	16V	R712	ERJ6GEYJ221V	220	1/10W	C716	ECUV1H561KBN	560P	50V	RJ725	ERJ8GEY0R00A	0	1/8W
C377	ECEA1AU471B	470	10V	R717	ERJ6GEYJ102V	1K	1/10W	C717	ECUZNE104MBN	0.1	25V	RJ726	ERJ8GEY0R00A	0	1/8W
C801	ECBT1H180J5	18P	50V	R718	ERJ6GEYJ102V	1K	1/10W	C718	ECUV1C224KBN	0.22	16V	RJ727	ERJ8GEY0R00A	0	1/8W
C802	ECBT1H180J5	18P	50V	R719	ERJ6GEYJ102V	1K	1/10W	C721	ECUV1H150JCN	15P	50V	RJ728	ERJ8GEY0R00A	0	1/8W
C803	ECBT1H680J5	68P	50V	R720	ERJ6GEYJ102V	1K	1/10W	C722	ECUV1H150JCN	15P	50V	RJ729	ERJ8GEY0R00A	0	1/8W
C804	ECBT1H680J5	68P	50V	R721	ERJ6GEYJ101V	100	1/10W	C723	ECEA1AKA221I	220	10V	RJ730	ERJ8GEY0R00A	0	1/8W
C805	ECBT1H680J5	68P	50V	R722	ERJ6GEYJ563V	56K	1/10W	C724	ECUV1C104MBM	0.1	16V				
C806	ECBT1H680J5	68P	50V	R723	ERJ6GEYJ182V	1.8K	1/10W	C725	ECUV1H102KBN	1000P	50V		TEST JUMPERS		
C807	ECEA1HKA010B	1	50V	R724	ERJ6GEYJ333V	33K	1/10W	C726	ECUV1H102KBN	1000P	50V				
C808	ECEA0JKA470B	47	6.3V	R725	ERJ6GEYJ472V	4.7K	1/10W	C727	ECEA1HPK010I	1	50V	TJ701	EYF8CU	TEST .	JUMPER
C816	ECEA1AU101B	100	10V	R726	ERJ6GEYJ473V	47K	1/10W	C728	ECEA1HPK010I	1	50V	TJ702	EYF8CU	TEST	JUMPER
C817	ECEA0JKA221B	220	6.3V	R727	ERJ6GEYJ822V	8.2K	1/10W	C730	ECUZNE104MBN	0.1	25V				
C820	ECBT1H561KB5	560P	50V	R728	ERJ6GEYJ103V	10K	1/10W	C731	ECEA0JKA2211	220	6.3V		<loading mot<="" td=""><td>OR></td><td></td></loading>	OR>	
C821	ECBT1H561KB5	560P	50V	R731	ERJ6GEYJ822V	8.2K	1/10W	C732	ECEA0JKA221I	220	6.3V		CAPACITORS		
C822	ECBT1H102KB5	1000P	50V	R734	ERJ6GEYJ101V	100	1/10W	C733	ECUZNE104MBN	0.1	25V				,
C823	ECBT1H102KB5	1000P	50V	R735	ERJ6GEYJ101V	100	1/10W	C734	ECEA1AKA221I	220	10V	C1	ECA1AKF820E	82	10V
L	·	·			L	·		L	L				AECA Printed	I	

MESA Printed in Singapore G960303800 X/J/R/C