

Service Manual

Portable Stereo CD System

Radio Cassette

COMPACT
disc
DIGITAL AUDIO
MASH*1
 multi-stage noise shaping

RX-ED77

Colour

(K) . . . Black Type

Area

Suffix for Model No.	Area	Colour
(GC)	Asia, Latin America, Africa and Middle Near East	(K)

*1 MASH is a trademark of NTT.

*2 PORTION OF THIS PRODUCT MANUFACTURED UNDER A LICENSE FROM DESPER PRODUCTS, INC. SPATIALIZER AND THE CIRCLE-IN-SQUARE DEVICE ARE TRADEMARKS OWNED BY DESPER PRODUCTS, INC.

TAPE DECK : AR2 MECHANISM SERIES
TRAVERSE DECK : RAE0150Z MECHANISM SERIES

■ Specifications

■ Radio

Frequency range	
FM	87.5 – 108.0 MHz (0.05 MHz steps)
AM	531 – 1602 kHz (9 kHz steps)
	530 – 1600 kHz (10 kHz steps)
Intermediate frequency	
FM	10.7 MHz
AM	450 kHz
Sensitivity	
FM	18 dB/50 mW
	(– 3 dB limit sens.)
AM	47 dB/m/50 mW

■ Tape Recorder

Track system	stereo
Recording system	AC bias
Erasing system	AC erase
Monitor system	Variable sound monitor
Frequency range	
Normal	30 – 16,000 Hz
CrO ₂	30 – 17,000 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
Wow and flutter	Less than possible measurement data
D/A converter	MASH (1 bit DAC)

■ General

Power requirement	
AC	110 ~ 127V/200 ~ 220V/230 ~ 250V, 50/60 Hz
	Power consumption; 44W
Battery	15V (Ten R20/LR20, UM-1 batteries)
Backup battery for clock/memory	6V (Four R6/LR6, UM-3 batteries)
Power Output	7.5W x 2 ... RMS (max.)
Speakers	2 Woofer; 10 cm 2.7Ω
Jacks	
Output	Headphones: 16 – 32Ω
Input	MIX MIC : 200 – 600Ω
Dimensions (W x H x D)	630 x 178 x 296 mm
	(Top panel close)
Weight	5.6 kg without batteries

Note :

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

Panasonic®

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⚠ WARNING

This service information is designed for experience 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.

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Before Use

Be sure to disconnect the mains cord before adjusting the voltage selector.

Use a minus (–) screwdriver to set the voltage selector (on the rear panel) to the voltage setting for the area in which unit will be used. (If the power supply in your area is 110 V or 127 V, set to the "110~127 V" position.)

Note that this unit will be seriously damaged if this setting is not made correctly. (There is no voltage selector for some countries; the correct voltage is already set.)

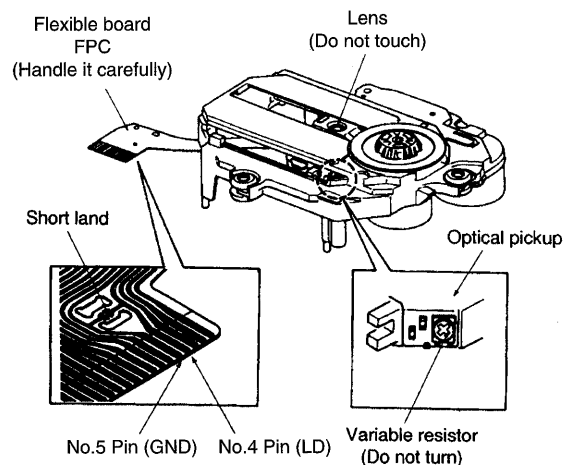
Handling Precautions for Traverse Deck

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)

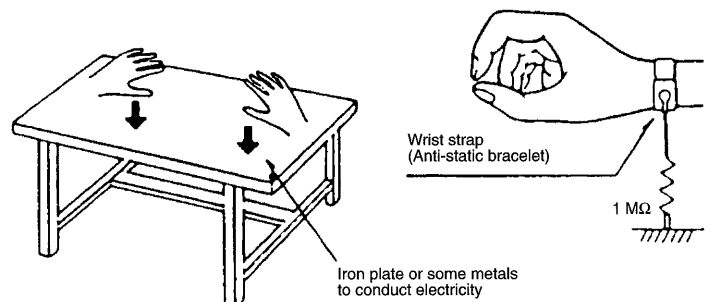
1. Do not subject the traverse deck (optical pickup) to static electricity as it is extremely sensitive to electrical shock.
2. The short land between the No.4 (LD) and No.5 (GND) pins on the flexible board (FPC) is shorted with a solder build-up to prevent damage to the laser diode.
To connect to the PC board, be sure to open by removing the solder build-up, and finish the work quickly.
3. Take care not to apply excessive stress to the flexible board (FPC board).
4. 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).



■ Precaution of Laser Diode

CAUTION : This product utilizes a laser diode with the unit turned "ON", invisible laser radiation is emitted from the pick up lens.
Wavelength : 780 nm
Maximum output radiation power from pick up : 100 μ W/VDE

Laser radiation from pick up unit is safety level, but be sure the followings:

1. Do not disassemble the optical pick up unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pick up unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pick up lens for a long time.

ACHTUNG: Dieses produkt enthält eine laserdioden. Im eingeschalteten zustand wird unsichtbare laserstrahlung von der lasereinheit abgestrahlt.

Wellenlänge : 780nm

Maximale strahlungsleistung der lasereinheit : 100 μ W/VDE

Die strahlung an der lasereinheit ist ungefährlich, wenn folgende punkte beachtet werden:

1. Die lasereinheit nicht zerlegen, da die strahlung an der freigelegten laserdioden gefährlich ist.
2. Den werkseitig justierten einstellregler der lasereinheit nicht verstellen.
3. Nicht mit optischen instrumenten in die fokussierlinse blicken.
4. Nicht über längere zeit in die fokussierlinse blicken.

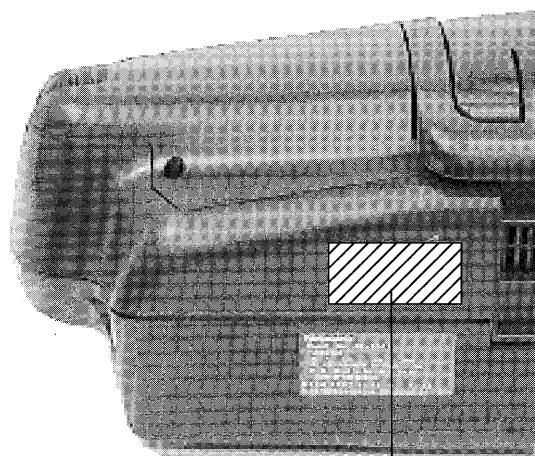
ADVARSEL: I dette a apparat anvendes laser.

CAUTION!

THIS PRODUCT UTILIZES A LASER.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

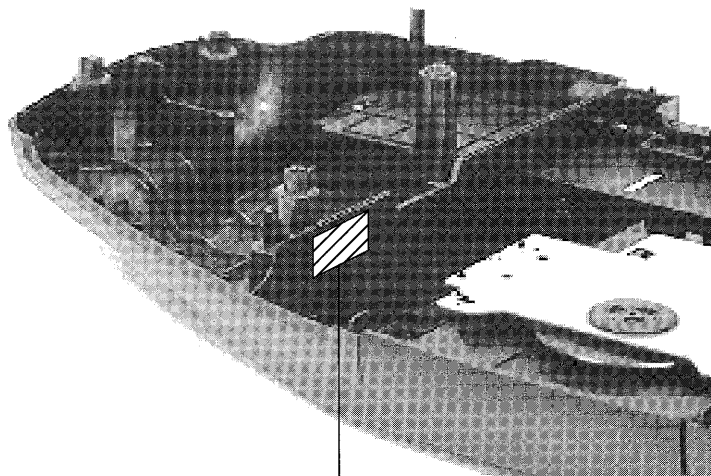
■ Use of Caution Labels



RQT4389ZAA

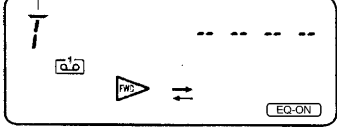
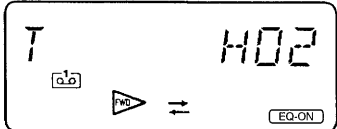
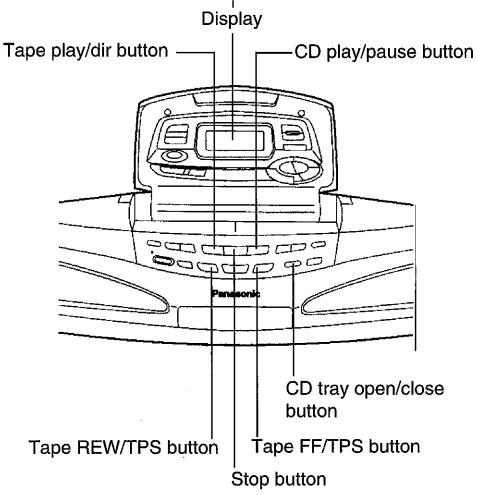
**CLASS 1
LASER PRODUCT**

**LUOKAN 1 LASERLAITE
KLASS 1 LASER APPARAT**



DANGER	INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.
ADVARSEL	USYNLIG LASERSTRÅLING VED ÅBNING. NÅR SIKKERHEDSÅFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSETTELSE FOR STRÅLING.
VARO!	AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTIINA NÄKYMÄTÖNTÄ LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VARNING	ÖSYNLIG LASERSTRÅLNING NÅR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRÄKTA EJ STRÅLEN.
ADVARSEL	USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
VORSICHT	UNSICHTBARE LASERSTRÄHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN.

Self Diagnostic Function

Display procedure	Display location
<p>Cassette tapes to be readied</p> <ul style="list-style-type: none"> • Cassette tape with erasure-prevention tab removed on one side only (A or B) • Music cassette tape with erasure-prevention tabs intact on both sides (A and B) <p>Note : In either case, rewind the cassette tape to about the middle.</p> <p>To enter the self-diagnostic mode</p> <ol style="list-style-type: none"> 1. Connect the unit to the power supply and turn the power on. 2. Set reverse mode to "↔". (Use the remote control attached with main unit, since the reverse mode cannot be set from the main unit.) 3. Check that there is no cassette tape in the compartment. 4. Hold down the stop button (□) for at least two seconds, and then keep pressing together with the tape deck FF/TPS button for another 2 seconds. "T" will then appear on the LCD display. (This indicates that the unit has switched from normal display mode to self-diagnostic mode.) <p>To view the display</p> <ul style="list-style-type: none"> • To view the self-diagnostic display for tape deck 1 and 2: <ol style="list-style-type: none"> 1. Load a cassette tape into tape deck 1 with the erasure-prevention tab removed on one side only (A or B). 2. Press the FF/TPS button, perform the fast forward winding operation for about 5 seconds and then stop winding using the stop button (□). 3. Remove the cassette tape, and load a music cassette (containing at least 4 second of music and both erasure-prevention tabs intact). 4. Press the play button (◀▶). When play begins, press either the FF/TPS button or the REW/TPS, and perform the TPS (tape program search) operation in the direction in which the music is recorded. 5. After TPS operation has completed (when the beginning of music is found and the unit switches back to play mode), stop the tape by pressing the Stop button (□). 6. Repeat steps 1~5 above for deck 2. 7. If an error is detected when the tape deck stop button (□) is pressed, a self-diagnostic display appears on the LCD display. (If no error occurs, the LCD display shows the tape counter.) <p>If there is more than one error, the error display changes each time the tape deck Stop button (□) is pressed. To change between the self-diagnostic display for tape deck 1 and tape deck 2, press the tape deck select button (DECK 1/2).</p> • To view the self-diagnostic display for the CD player: <ol style="list-style-type: none"> 1. Press the CD tray Open/Close button (▲) to open the CD tray. 2. After the tray has been fully open for about 5 seconds, press the CD tray Open/Close button (▲) again to close the CD tray. 3. Press the stop button, self-diagnostic display on the LCD display (if no error occurs, LCD display shows "T"). <p>Note : If this procedure is performed for tape decks 1 and 2 and the CD player and an error occurs for each, the LCD display alternates between the self-diagnostic codes for tape deck 1 and 2 and the CD player each time the Stop button (□) is pressed. (If there is no error, the LCD display shows the tape counter.)</p> <p>To return to normal display mode</p> <ul style="list-style-type: none"> • Press the power switch once to turn the power off, then press it again to turn the power back on. To view the self-diagnostic display once again, perform steps 1 to 4 of "Entering self-diagnostic mode" above, then press the Stop button (□). <p>Clearing the self-diagnostic memory</p> <ul style="list-style-type: none"> • The self-diagnostic error code is stored in memory. To clear memory, first correct the error, and then remove the batteries (including the clock/memory battery) and disconnect the AC power supply. Then, press and hold down the power supply button for at least 5 seconds. • Always be sure to clear memory after an error has been corrected. 	<p>This display indicates that the unit is in self-diagnostic mode.</p>  <p>Example of a self-diagnostic display</p>   <p>Labels in diagram:</p> <ul style="list-style-type: none"> Display Tape play/dir button CD play/pause button CD tray open/close button Tape REW/TPS button Tape FF/TPS button Stop button

Display content **Note** : Items marked with (*) are automatically displayed, and do not require the procedure described in the section "Viewing the display".

Display code	Symptom or condition	Cause and method of correction
* U01	When operating on batteries, power goes off immediately after being turned on.	The batteries are depleted. Replace with new batteries.
* U02	Power cannot be switched on.	Check the power cord (AC) or insert fresh batteries.
H01	Cassette deck does not operate correctly.	Faulty cassette deck mechanism mode detection switch (Deck 1: S951, Deck 2: S971) and plunger. (Check and replace)
H02	Units does not record, or the unit goes into recording mode even when the erasure prevention tabs have been removed from the cassette.	Faulty erasure-prevention tab detection switch (S974, S975) or short-circuit. (Check and replace)
H03	Tape does not play, even when the tape deck play button is pressed. The motor operates when the tape deck play button is pressed, even when no cassette is loaded in the deck.	Faulty tape detection switch (Deck 1: S952, Deck 2: S972) or short-circuit. (Check and replace)
H15	The CD tray closes immediately after it is opened.	Faulty contact of the CD tray open detection switch (S790). (Check and replace)
H16	The CD tray opens immediately after it is closed.	Faulty contact of the CD tray close detection switch (S791). (Check and replace)
F01	When the play button is pressed, the tape advances only slightly and then stops.	Reel pulse error. (Faulty Hall IC) (Check and replace)
F02	TPS (tape program search) does not work.	Faulty TPS signal detection or faulty plunger control. (Check and replace mechanism control IC)
F15	When the CD Play button is pressed when either the power is off, or from some function other than CD, it takes excessive time (5 seconds or more) for the CD to play.	Faulty traverse inner circumference position detection switch (S701). (Check and replace)
*F26	When the CD operation mode is selected by pressing the Stop button (□), "F26" is shown on the LCD display, and a CD does not play even when it has been loaded.	Communication error between servo-processor IC and microprocessor IC.
F75	When a CD is loaded, "NO DISC" is displayed and the CD does not play.	Faulty CD circuit power supply. (Faulty power supply IC or CD circuit power supply system.) (Check and replace) Flexible circuit board has become disconnected or broken wiring. (Check and replace) Faulty servo-processor IC. (Check and replace)

■ 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

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

page

- | | |
|---|-------|
| 1. Checking for the LCD P.C.B. | 5 & 6 |
| 2. Checking for the Servo, Main and Tuner P.C.B. | 6 |

• Main Component Replacement Procedures

- | | |
|---|-------|
| 1. Replacement for the Motor Assembly | 7 |
| 2. Replacement for the Traverse Deck | 8 & 9 |

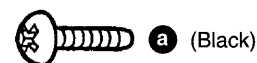
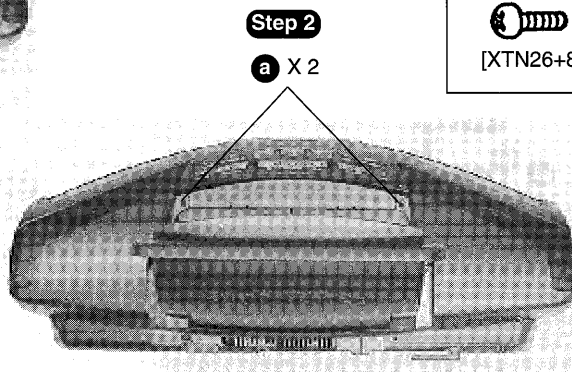
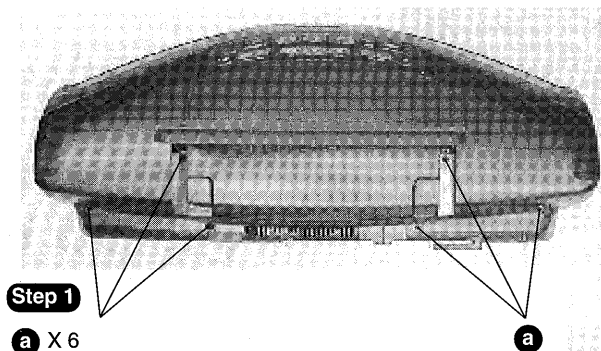
Warning : This product uses a laser diode. Refer to caution statement on page 2.

ACHTUNG : • Die lasereinheit nicht zerlegen.

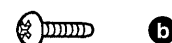
• Die lasereinheit darf nur gegen eine vom hersteller spezifizierte einheit ausgetauscht werden.

■ Checking Procedure For Each Major P.B.C.

1. Checking for the LCD P.C.B.



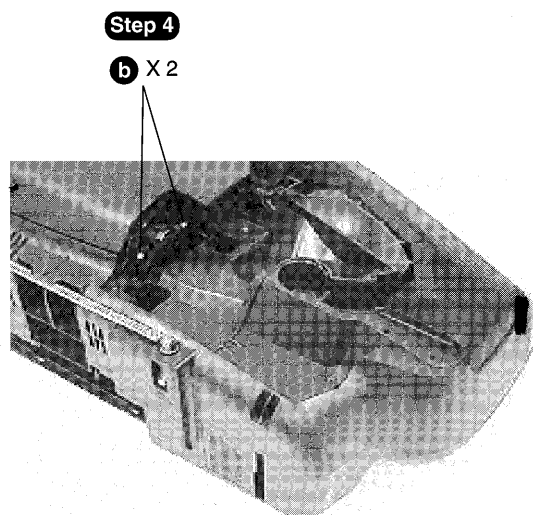
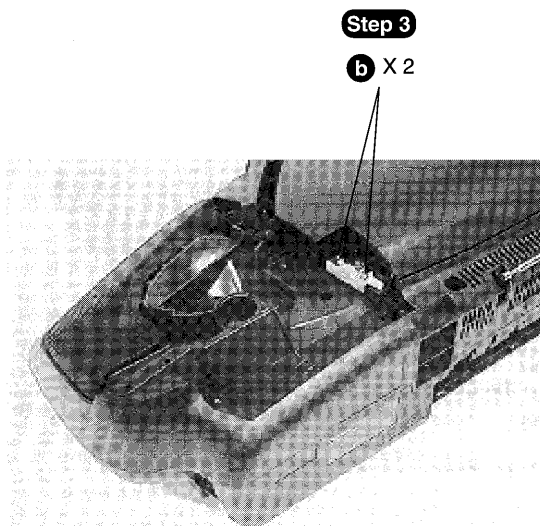
[XTV3+12GFZ]

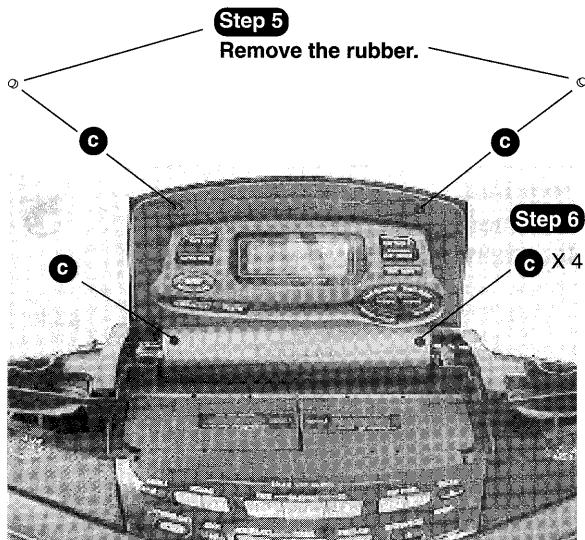


[XTV26+8G]

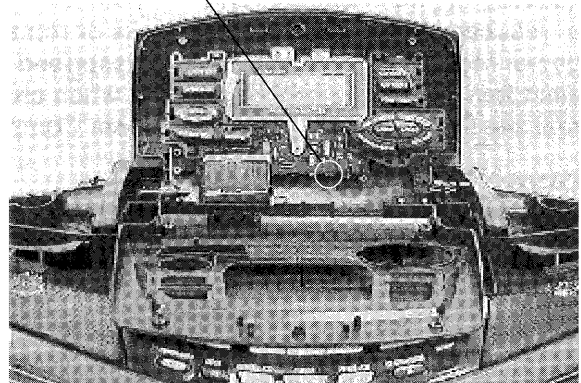


[XTN26+8GFZ]

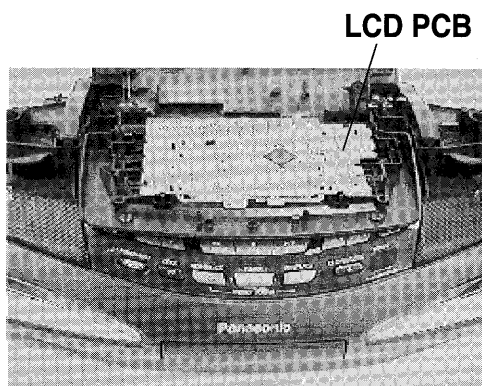




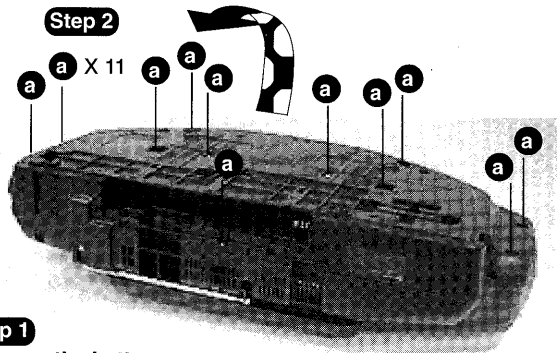
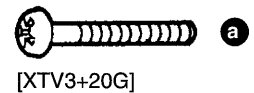
Step 7
Release the claw, remove the LCD PCB and place the PCB as shown below.



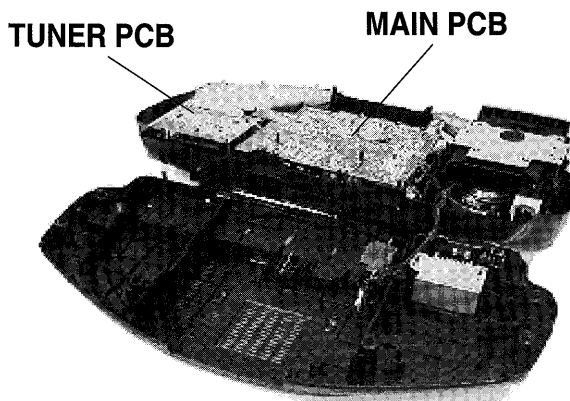
• Check the LCD PCB as shown.



2. Checking for the SERVO, MAIN and TUNER P.C.B.



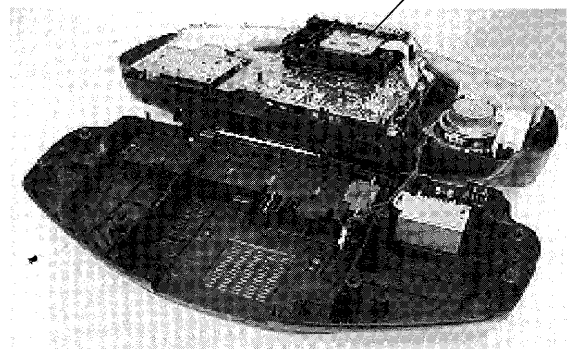
Step 1
Remove the battery cover.



Step 3
Lift up the bottom cabinet and place it as shown.

• Check the SERVO PCB as shown.

SERVO PCB



Step 4
Lift up the CD traverse unit and place it as shown on the left.

• Check the MAIN PCB and TUNER PCB as shown.

■ Main Component Replacement Procedures

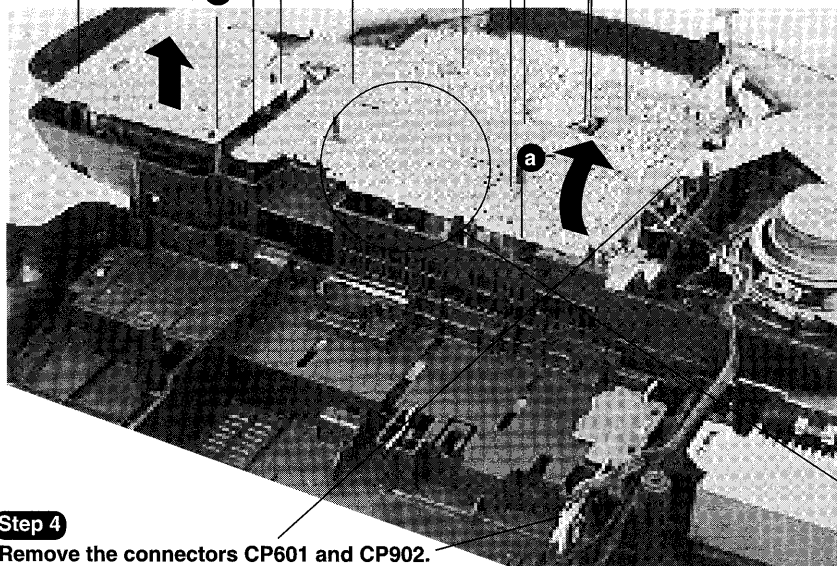
1. Replacement for the motor assembly.

Step 1

Remove the bottom cabinet.

Step 2

a X 10



Step 3

Desolder the two wires from the motor terminal.



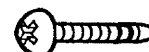
a

[XTBS26+10J]



b

[XTV3+12G]



c

[XTV26+12F]



d

[XQN2+C6]



e

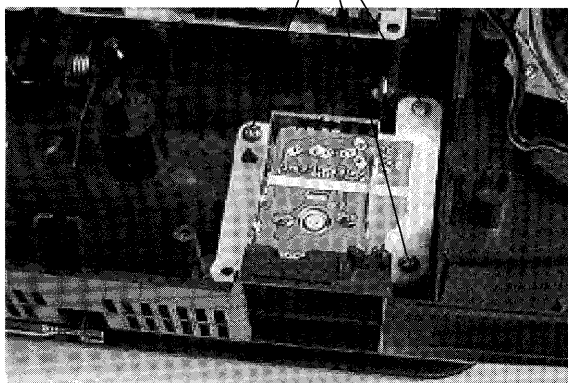
[XQN2+C3]

Step 4

Remove the connectors CP601 and CP902.

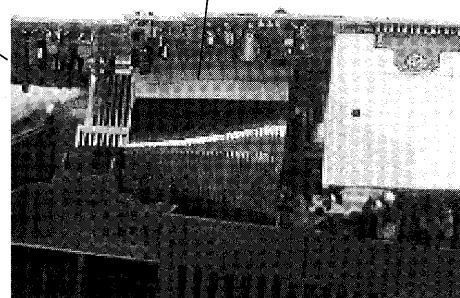
Step 6

b X 3



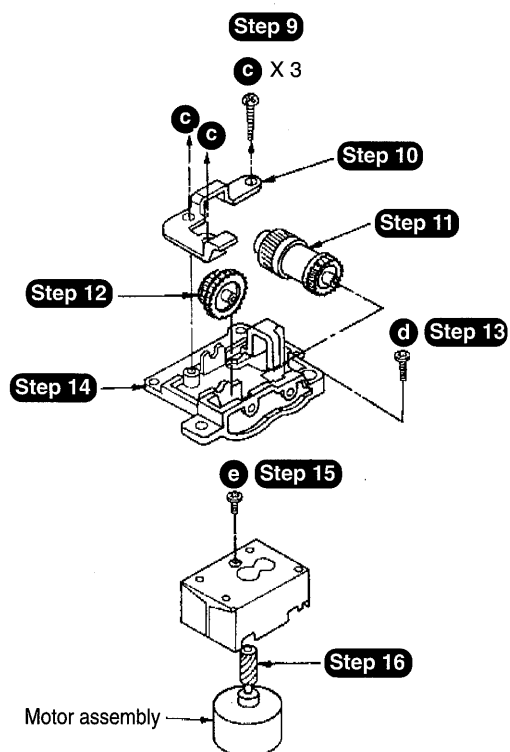
Step 5

Remove the FFC wire from CS8001 and remove the MAIN PCB together with TUNER PCB.



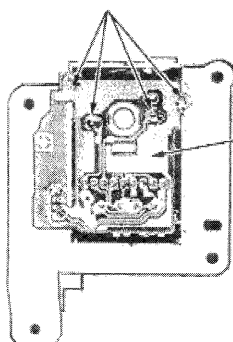
Step 9

c X 3



Step 7


Desolder



Step 8

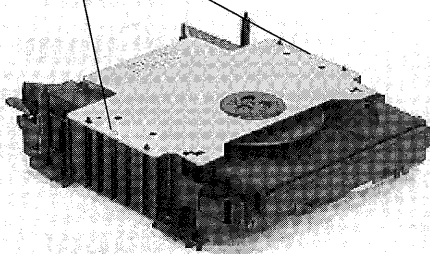
Remove the motor PCB.

2. Replacement for the traverse deck.

 **a**
[XTN26+6G]

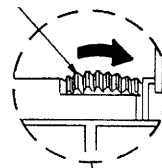
Step 1

a X 2



Step 2

Rotate the gear.

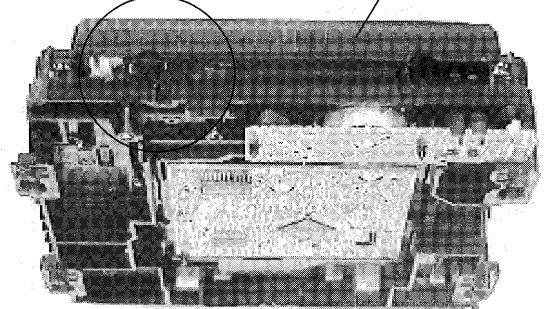


Step 3

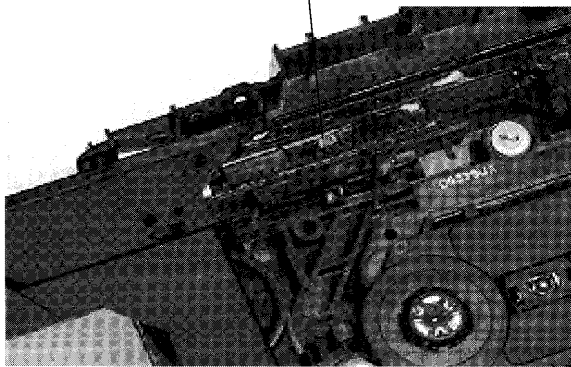
Pull out the CD tray.



CD TRAY



CLAW

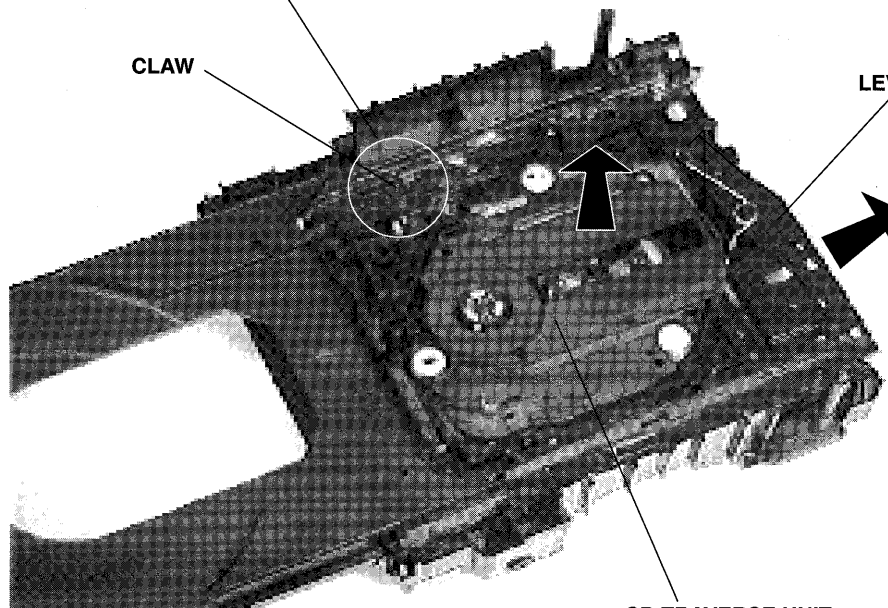


Step 4

Release the claw and pull the lever.

CLAW

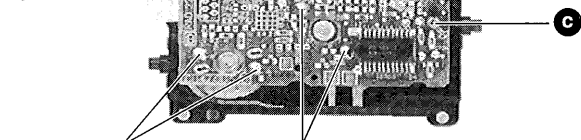
LEVER



CD TRAVERSE UNIT

Step 5

Take out the CD traverse unit.

Step 6**b** X 1**Step 7****c** X 2

Terminals of traverse motor

Terminals of spindle motor

Step 8

Desolder 2 terminals of spindle motor.

Step 9

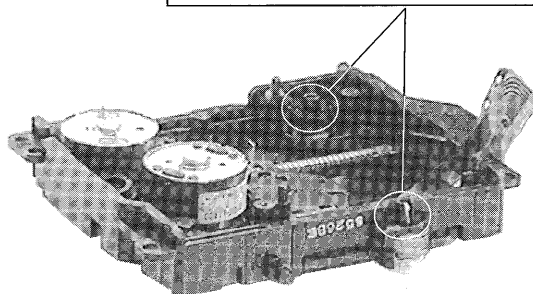
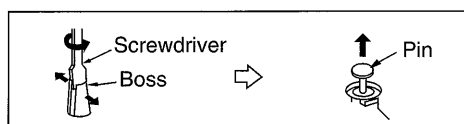
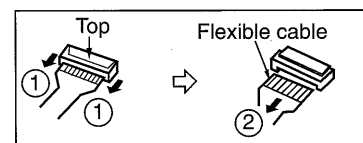
Desolder 2 terminals of traverse motor.

Step 10

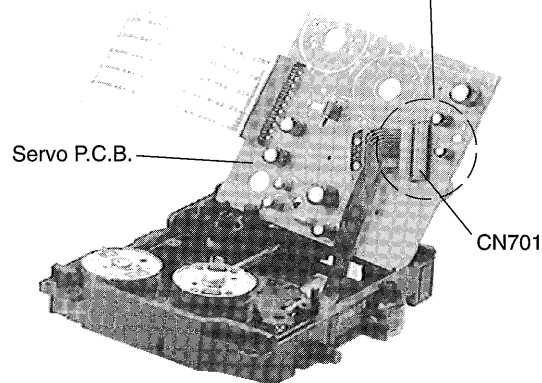
Remove the flexible cable from CN701.

- Removal of the flexible cable.

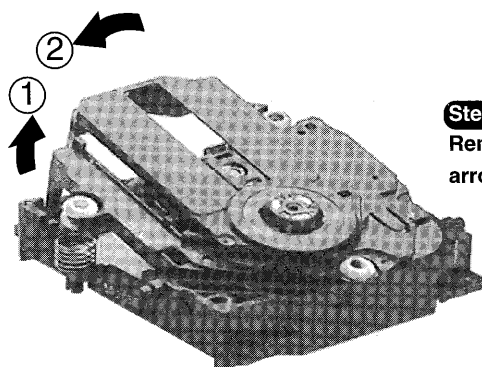
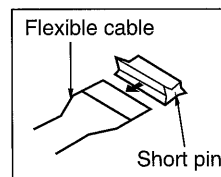
Push the top of the connector in the direction of arrow ① and pull out the flexible cable in the direction of arrow ②.

**Step 11**

Widen 2 bosses by using a flat tip screwdriver and remove 2 pins.



Note:
Insert a short pin into the flexible cable for traverse unit.

**Step 12**

Remove the Traverse Deck Ass'y in the direction of arrow ① follow by ②.

**b**

[XTN2+6G]

**c**

[XTV2+6G]

Schematic Diagram

NOTES:

• S701	: Rest Switch.	• S975	: Forward Side Record Prevention Tab Detect Switch.
• S801	: Timer Adjust Switch.	• S1001	: CD Open/Close Switch.
• S802	: Memory/Clear Switch.	• S1002	: Deck 2 Eject Switch.
• S803	: Clock Adjust Switch.	• S1003	: Top Panel Open Switch.
• S804	: Tuning/Time Set Switch.(increase)	• S1004	: Top Panel Close Switch.
• S805	: Tuning/Time Set Switch.(decrease)	• S1005	: Stop/Function Switch.
• S806	: Record Timer Switch.	• S1006	: Volume Control Switch.(increase)
• S807	: Play Timer B Switch.	• S1007	: Volume Control Switch.(decrease)
• S808	: Play Timer A Switch.	• S1008	: Deck 1 Eject Switch.
• S809	: Tape Edit Switch.	• S1009	: Power Switch.
• S810	: CD Record Mode Switch.	• S1010	: Tape Forward/TPS CD Skip/Search Switch.
• S811	: Record/Record Pause Switch.	• S1011	: Tuner Band Select Switch.
• S812	: S. Virtualizer Switch.	• S1012	: Tape Rewind/TPS CD Skip/Search Switch.
• S813	: Preset EQ Switch.	• S1013	: Deck 1/2 Select Switch.
• S951	: Mode Switch.	• S1014	: Tape Play/Direction Switch.
• S952	: Cassette Tape Detect Switch.	• S1015	: CD Play Pause Switch.
• S953	: CrO ₂ Tape Detect Switch.	• SW790	: CD Tray Open Detect Switch.
• S971	: Mode Switch.	• SW791	: CD Tray Close Detect Switch.
• S972	: Cassette Tape Detect Switch.	• SW901	: AC/Battery Select Switch.(JK901)
• S973	: CrO ₂ Tape Detect Switch.		
• S974	: Reverse Side Record Prevention Tab Detect Switch.		



... CD SIGNAL LINE



... MAIN SIGNAL LINE



... TAPE PLAYBACK SIGNAL LINE



... RECORDING SIGNAL LINE



... FM SIGNAL LINE



... AM/FM SIGNAL LINE



... FM OSC SIGNAL LINE



... AM OSC SIGNAL LINE



... +B LINE



... MIC SIGNAL LINE

Battery Current consumption:

Vol. min..... 375mA (FM)
 375mA (AM)
 395mA (TAPE)
 515mA (CD)

Vol. max..... 1220mA (FM)
 860mA (AM)
 1720mA (TAPE)
 1900mA (CD)

Measurement condition:
 Radio : FM 60 dB, 30%mod
 AM 74 dB/m, 30%mod
 Tape : 315 Hz, 0dB
 CD : 1kHz, 0dB

• The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

No mark... Tape Playback
 () ... AM

< > ... FM
 << >>... RECORD

(()) ... CD

CAUTION !

IC and LSI are sensitive to static electricity.
 Secondary trouble can be prevented by taking care during repair.

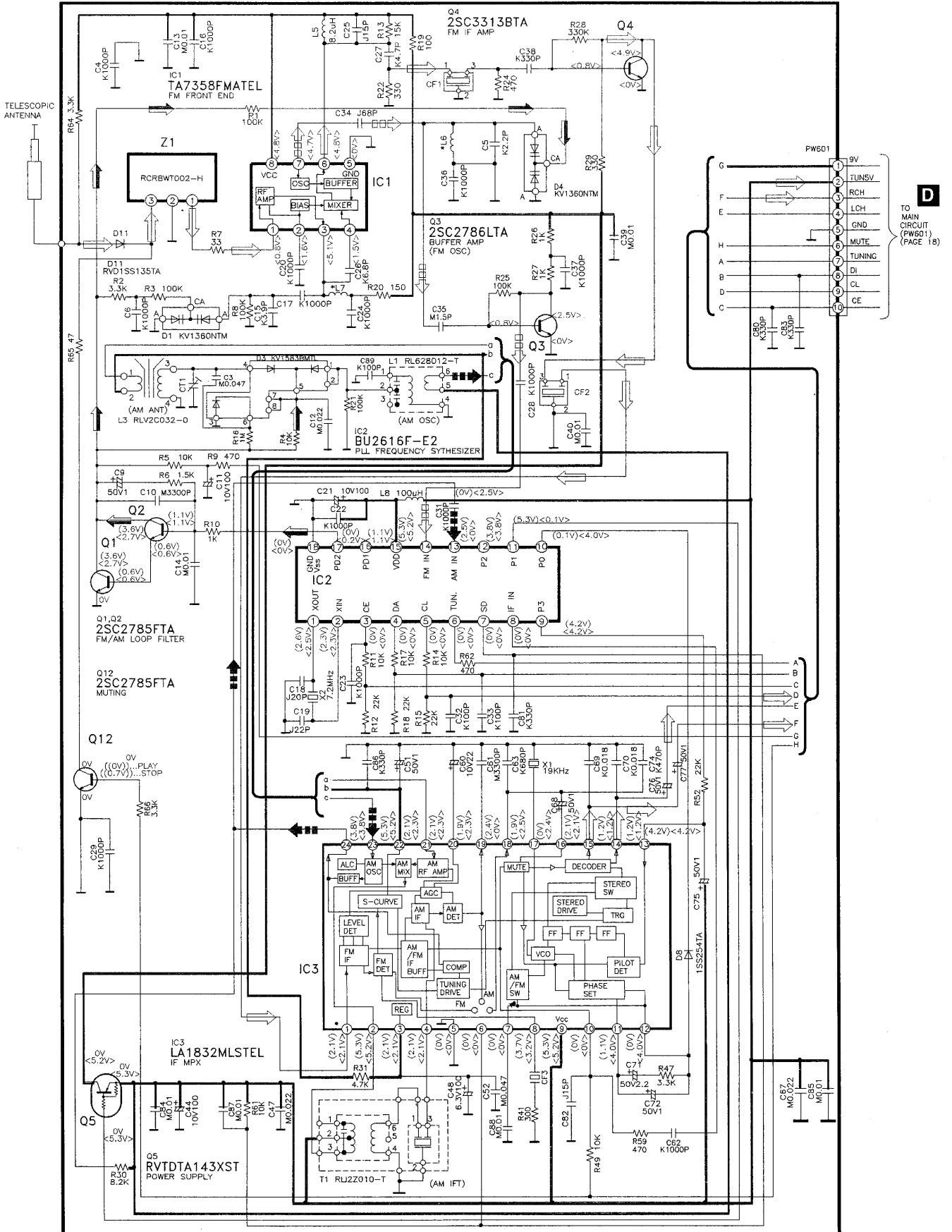
- Cover the parts boxes made of plastics with aluminum foil.
- Ground the soldering iron.
- Put a conductive mat on the work table.
- Do not touch the pins of IC or LSI with fingers directly.

Important safety notice :

Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

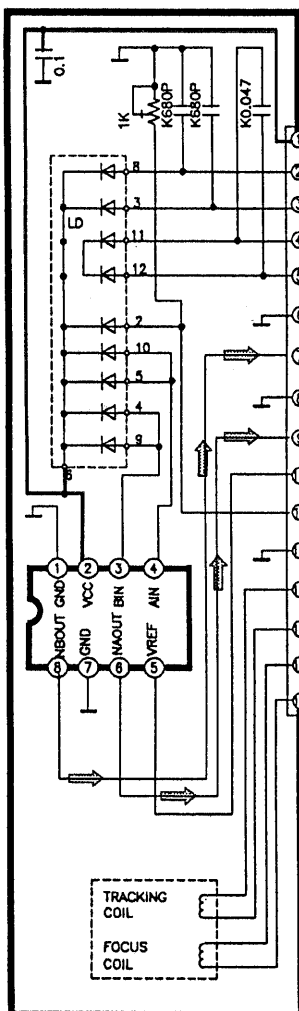
• This schematic diagram may be modified at anytime with the development of new technology.

B TUNER CIRCUIT



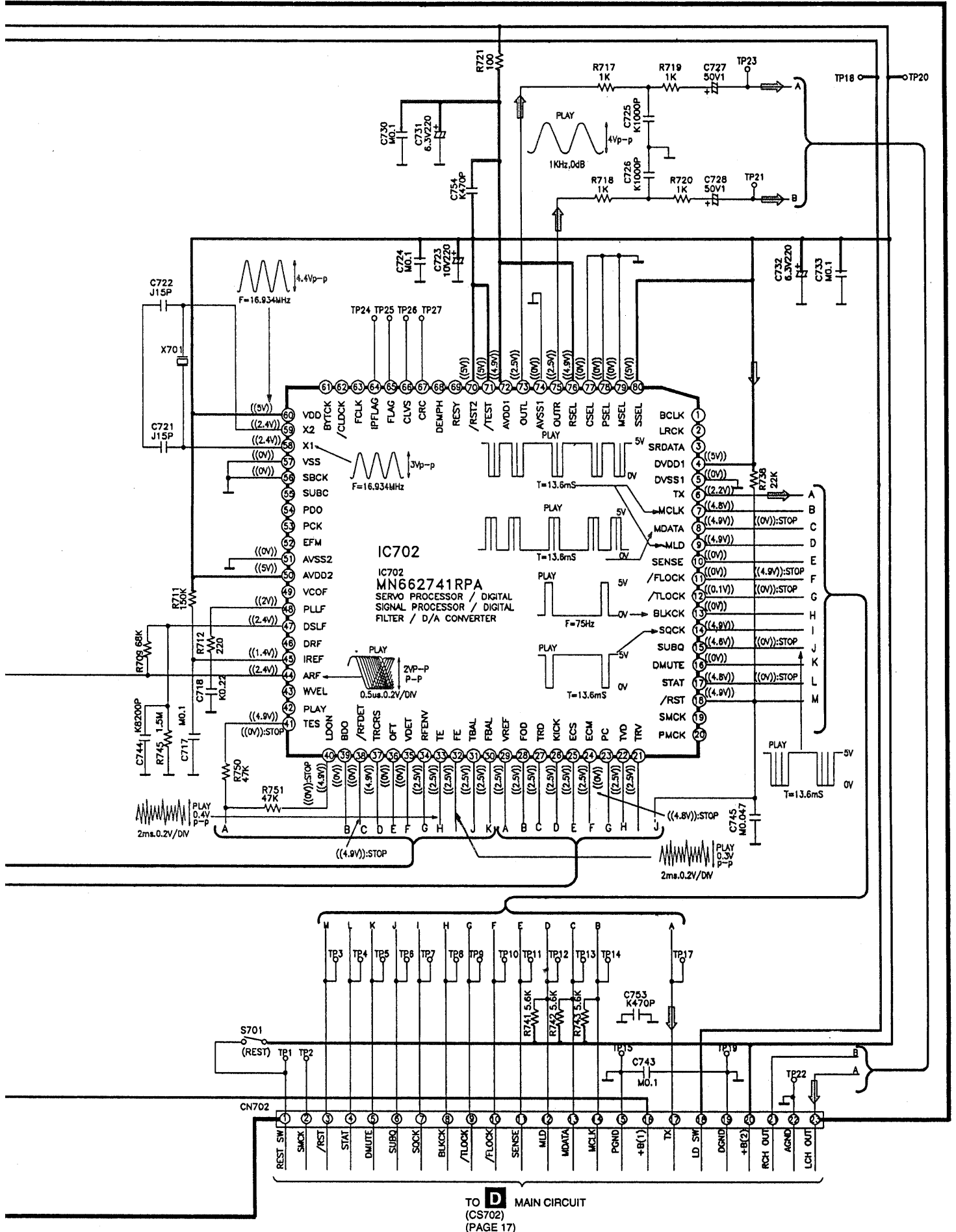
A SERVO CIRCUIT

OPTICAL PICKUP

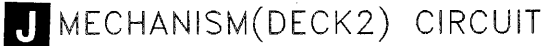
M702
SPINDLE
MOTORM701
TRAVERSE
MOTORQ701
2SB709S
LASER POWER
DRIVEQ701
((4.5V))
((3.4V))
((4.5V)):STOP
((1.3V))IC701
AN8835SBE1
SERVO AMP

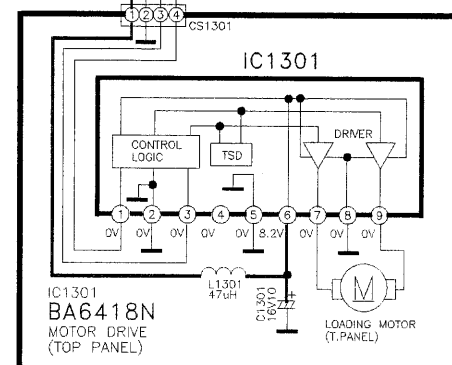
IC703

IC703
AN8389SE1
FOCUS COIL / TRACKING COIL /
TRAVERSE MOTOR /
SPINDLE MOTOR DRIVE

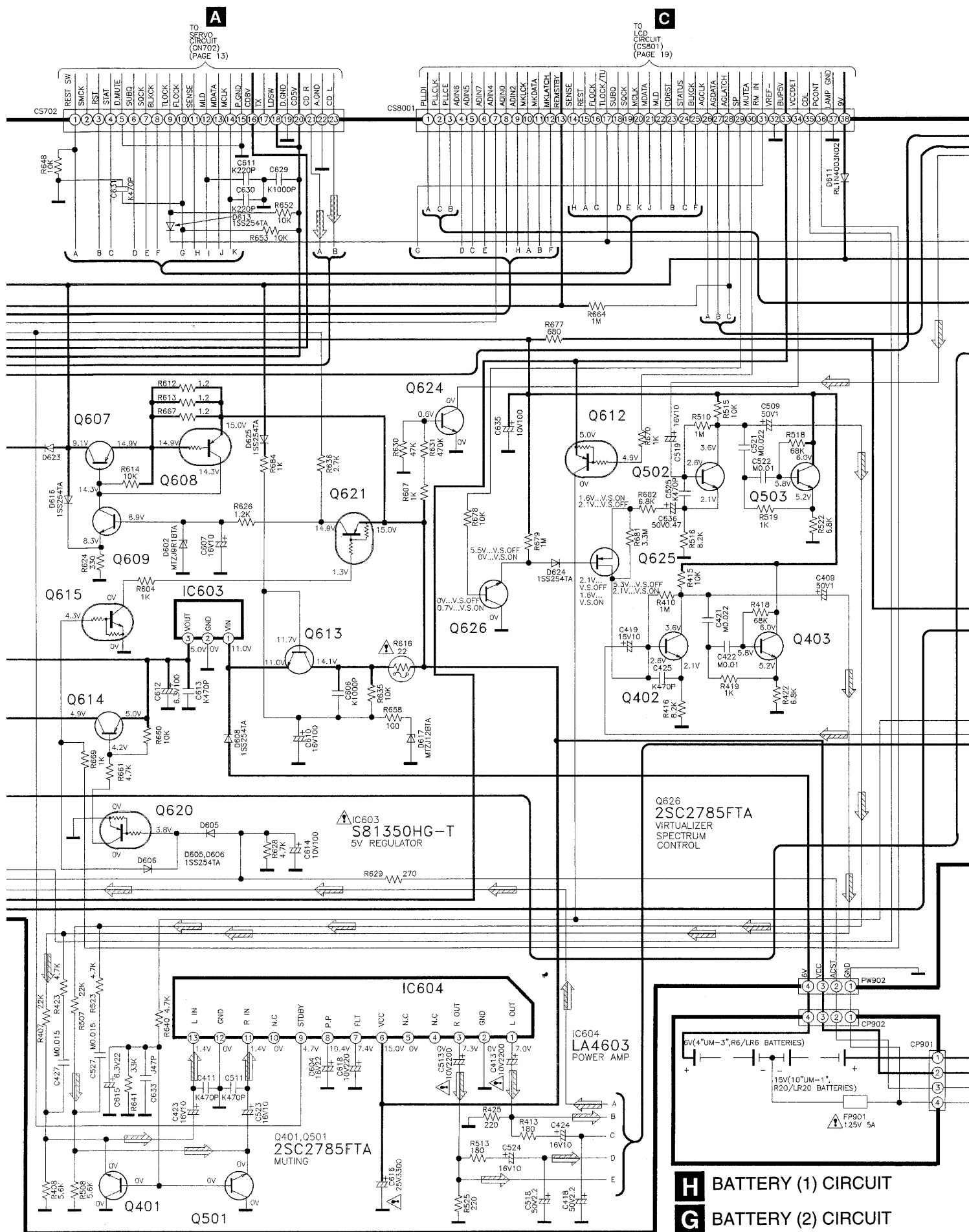


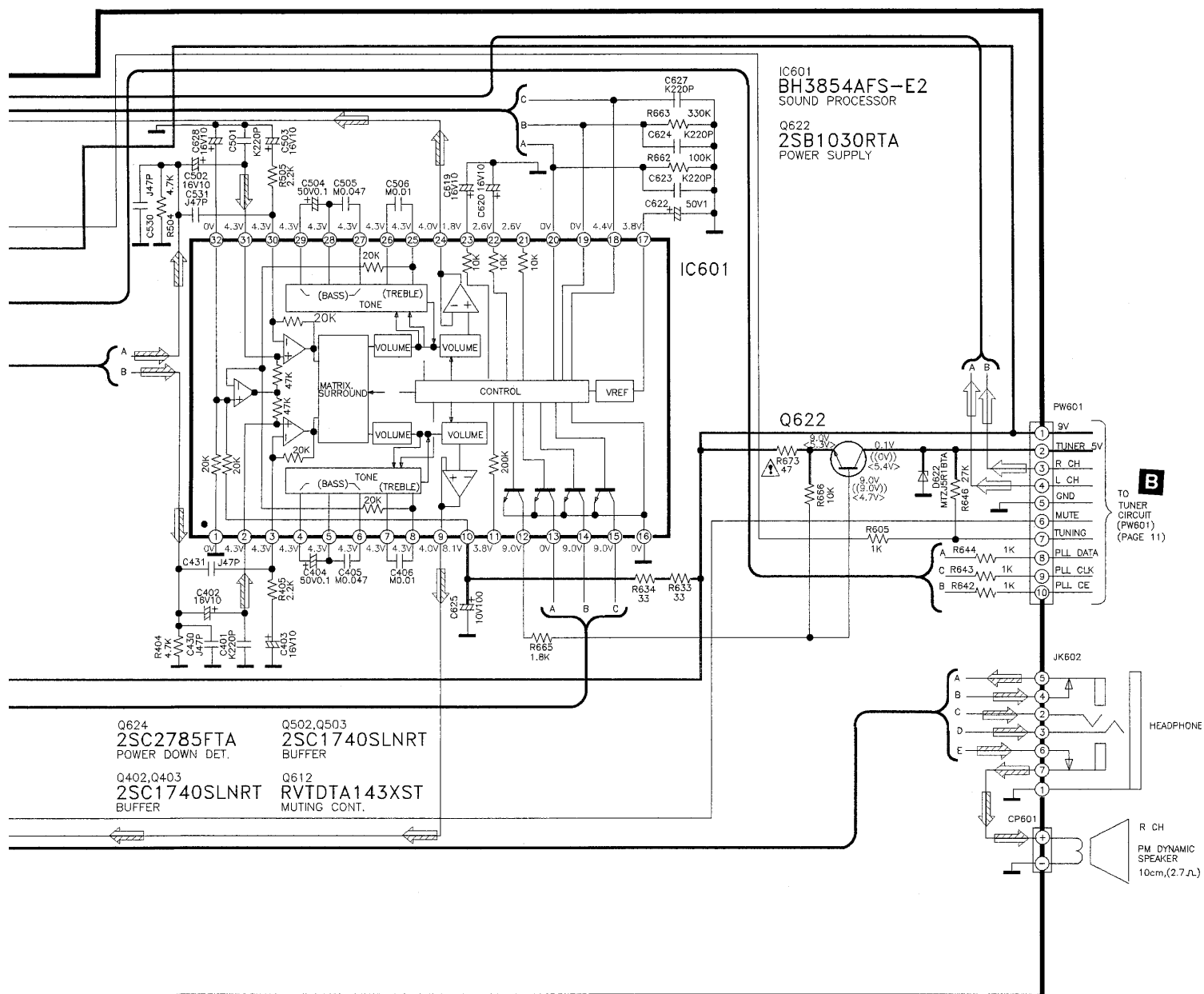




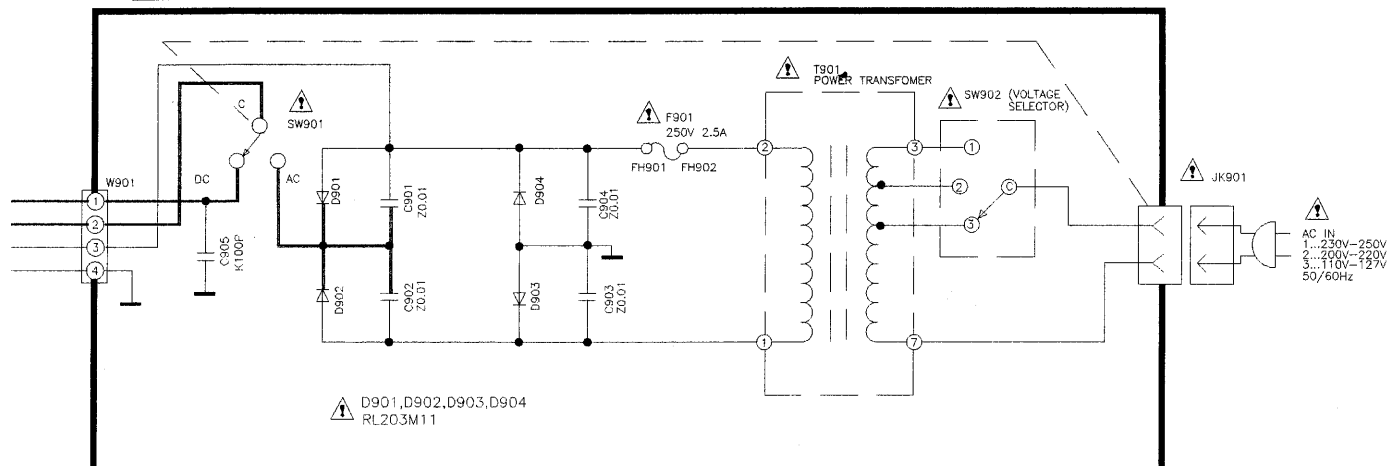


— 16 —

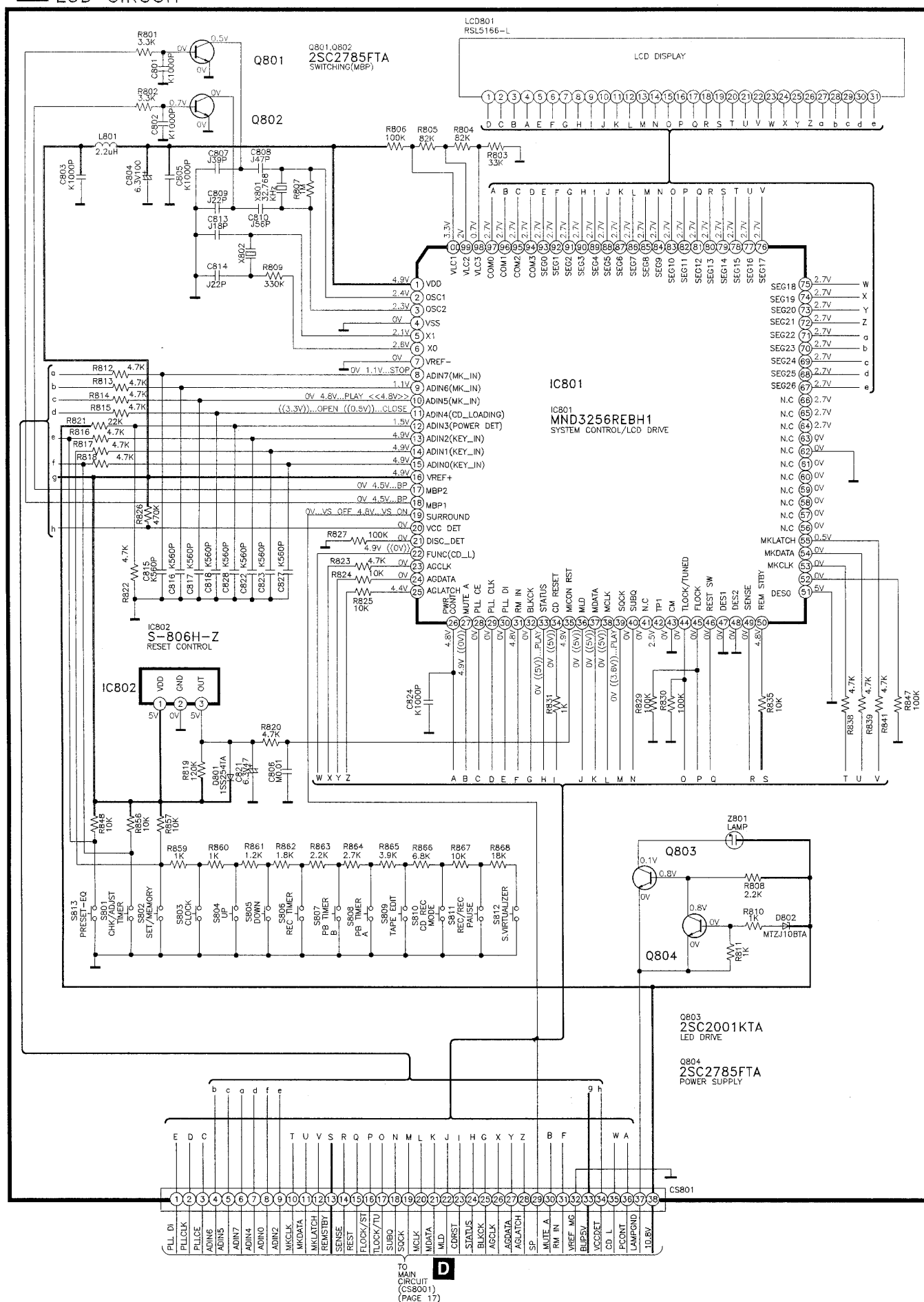




F POWER SUPPLY CIRCUIT



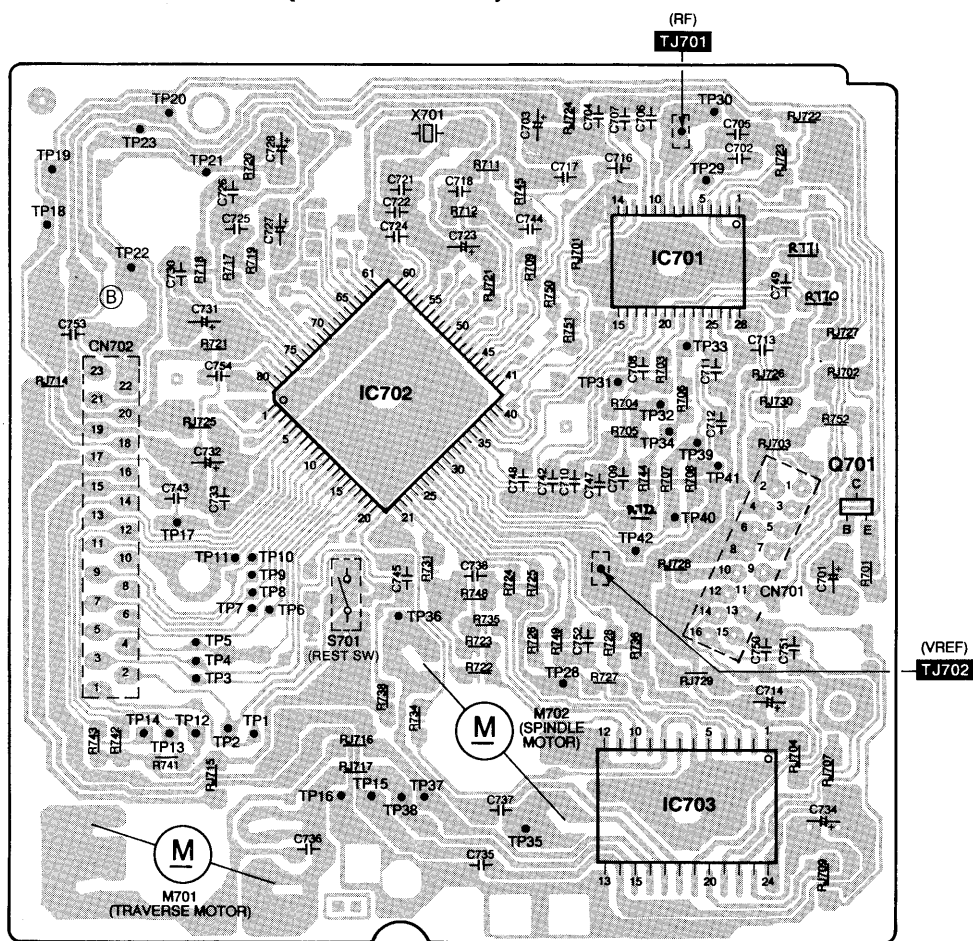
C LCD CIRCUIT



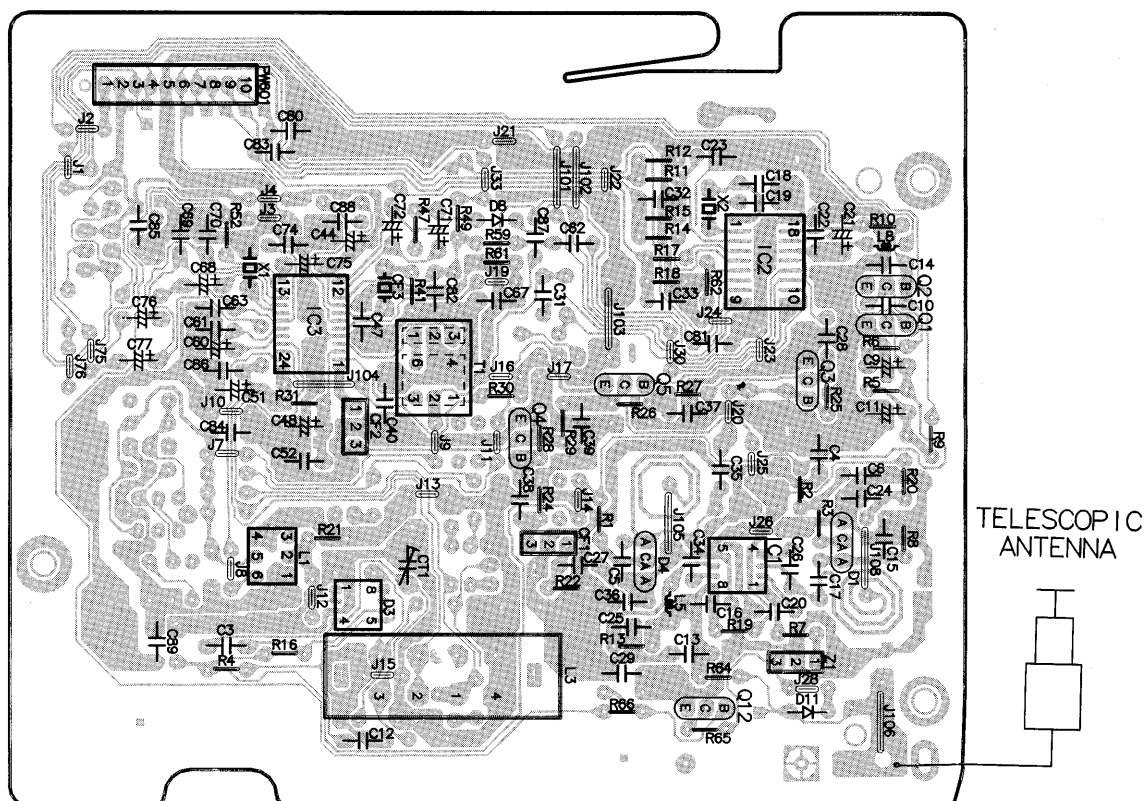
TO MAIN
CIRCUIT
(CS8001)
(PAGE 17)

■ Printed Circuit Board

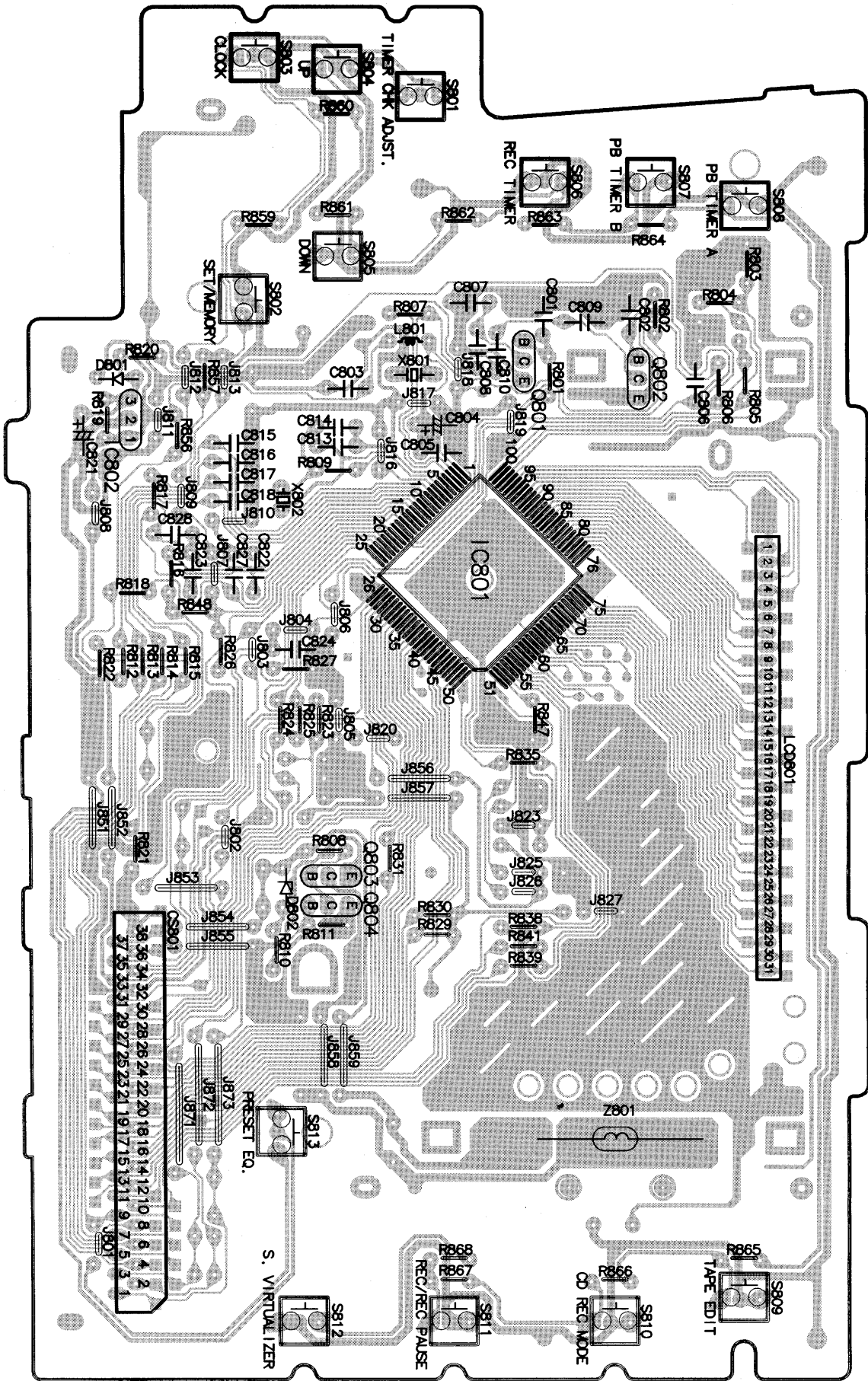
A SERVO P.C.B. (REPX0109)



B TUNER P.C.B. (REP2436B)

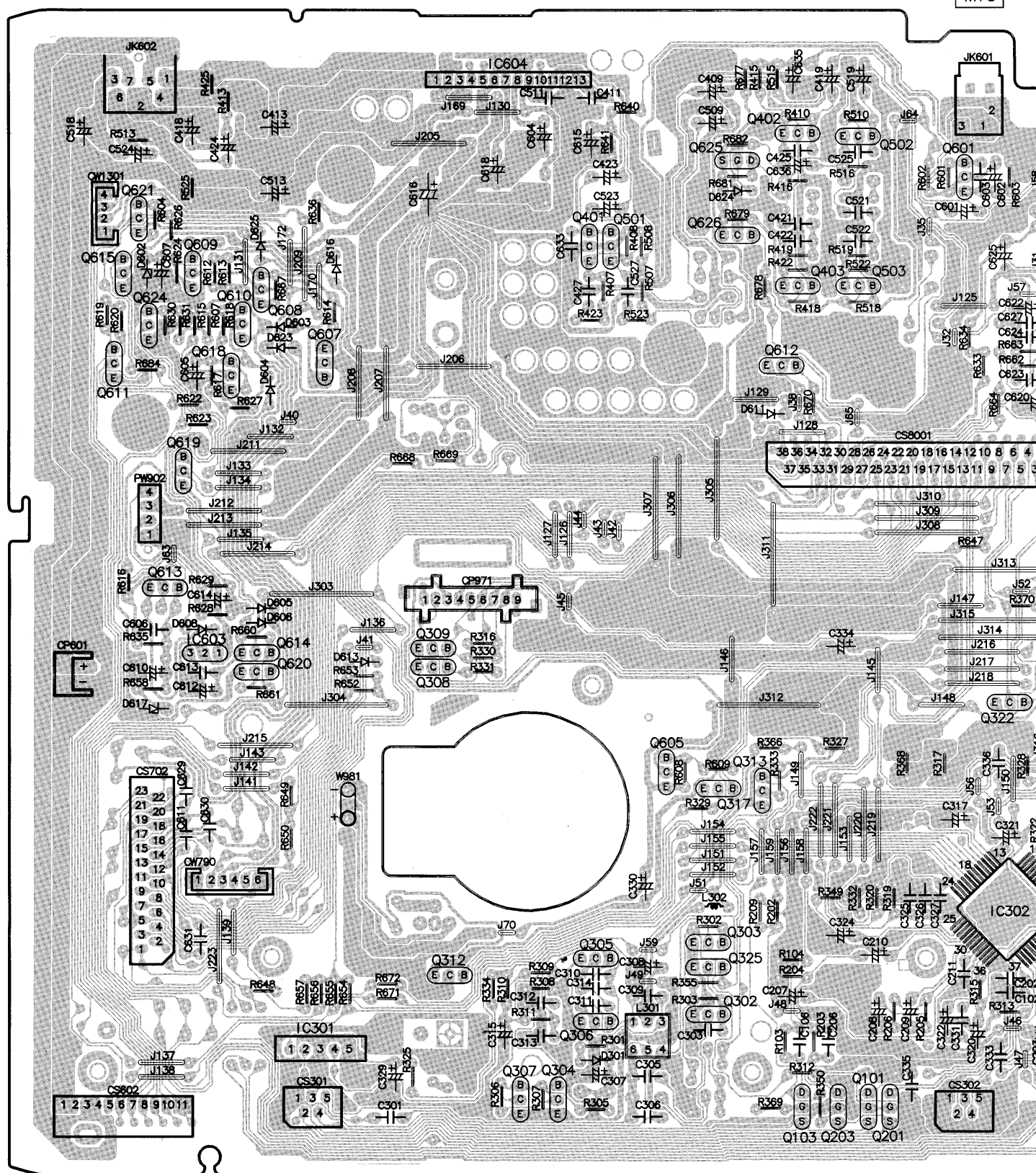


C LCD P.C.B. (REP2425D)



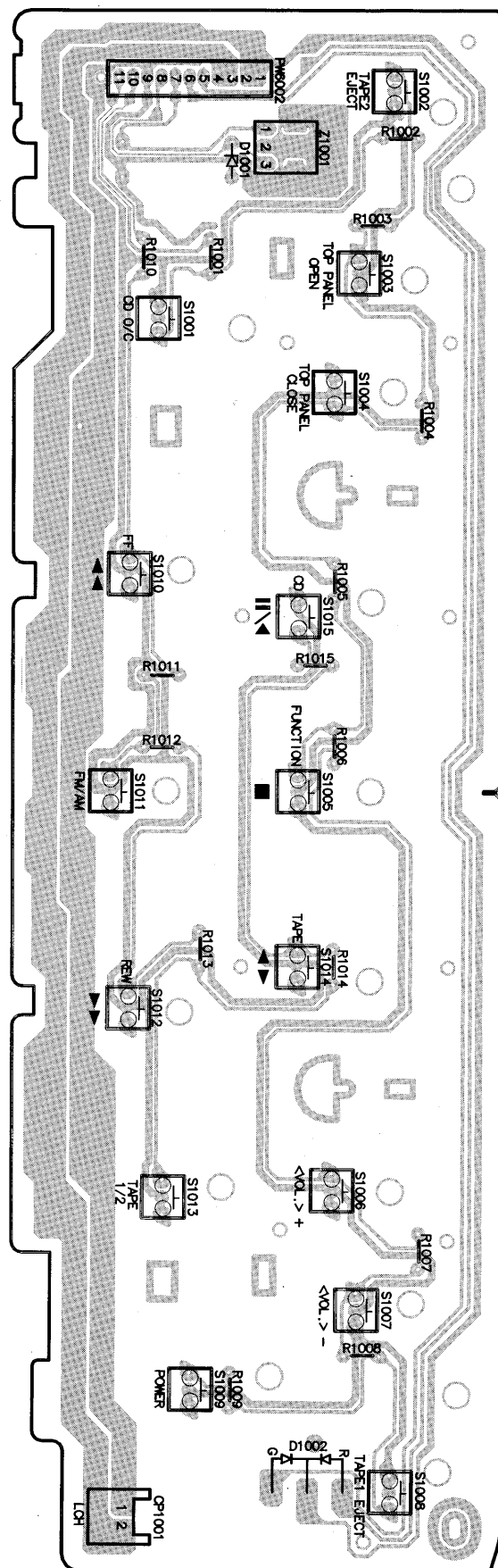
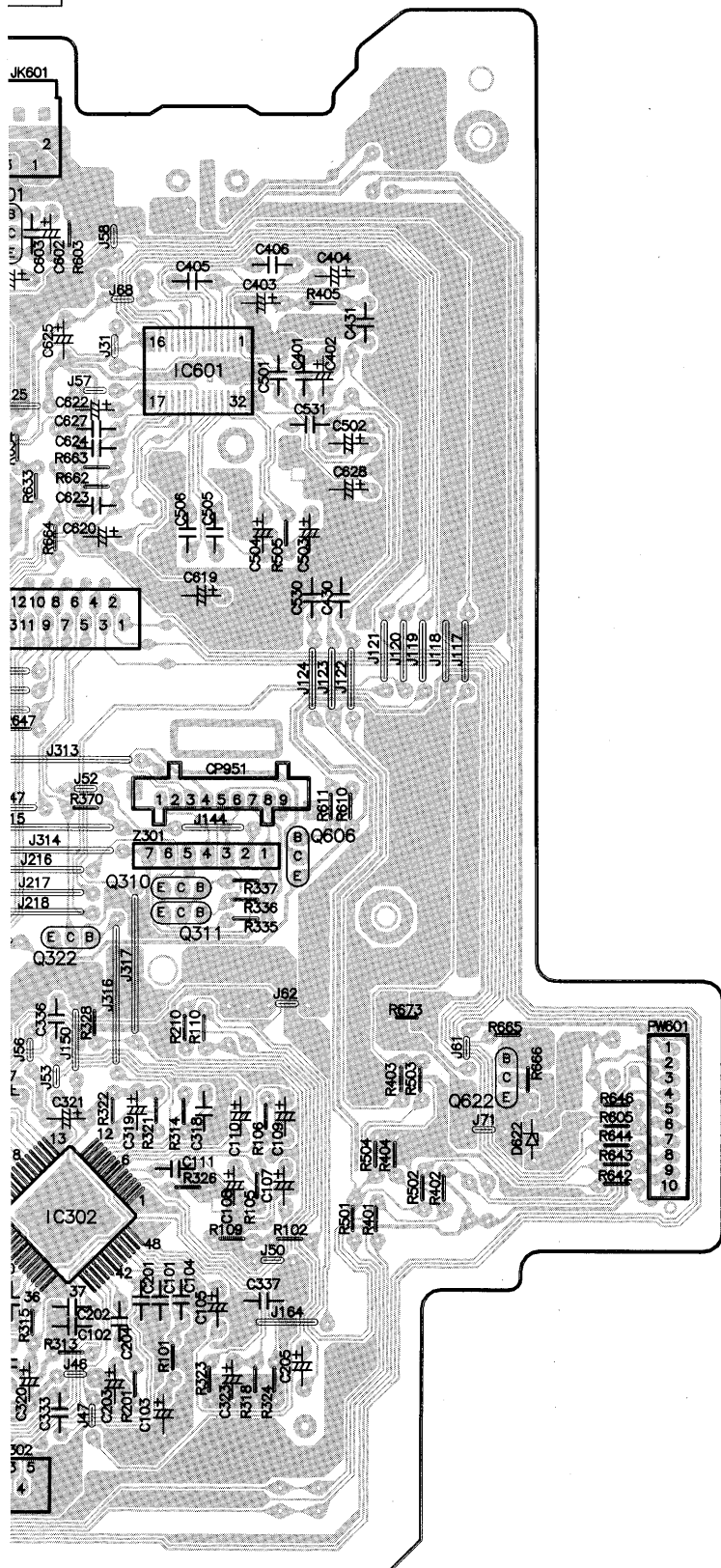
D MAIN P.C.B. (REP2436B)

PHONES

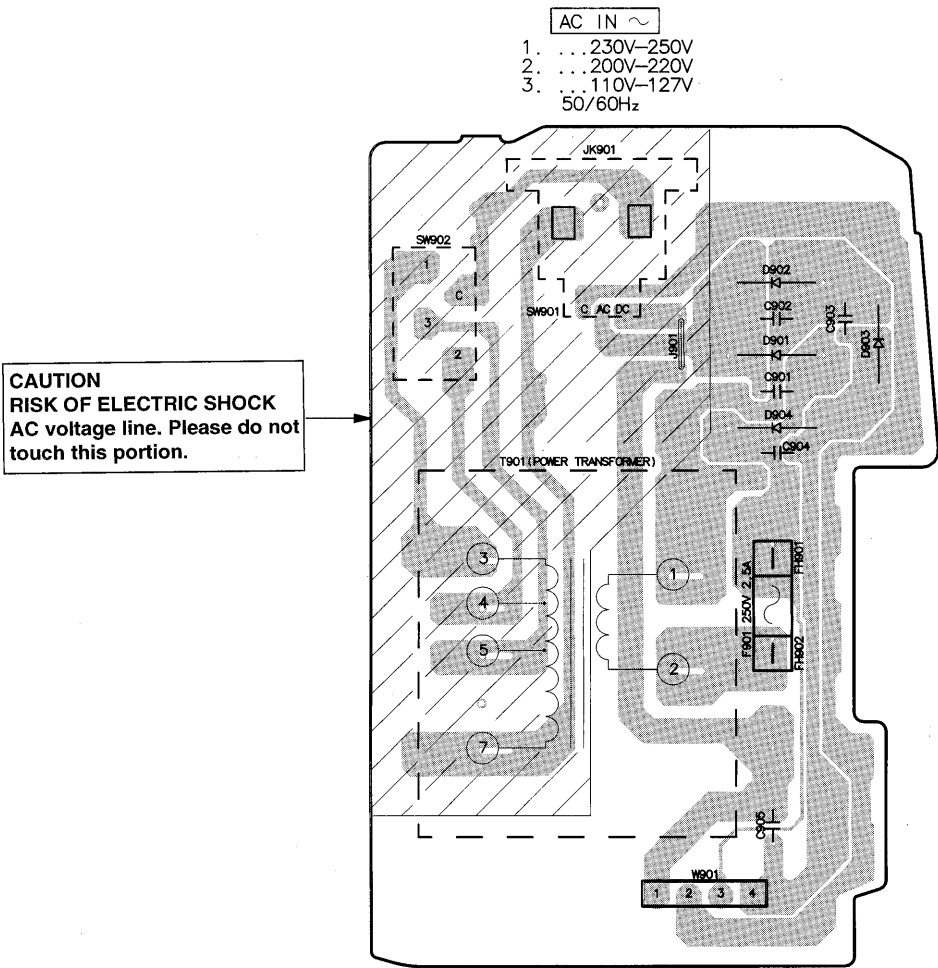
MIX
MIC

E CONTROL P.C.B. (REP2425D)

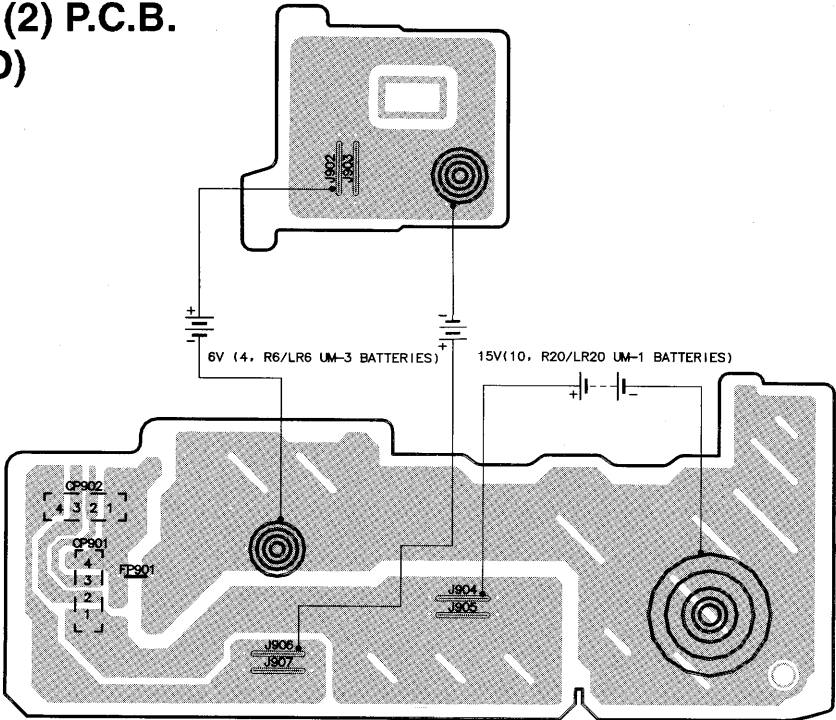
SENSOR

MIX
MIC

F POWER SUPPLY P.C.B. (REP2425D)

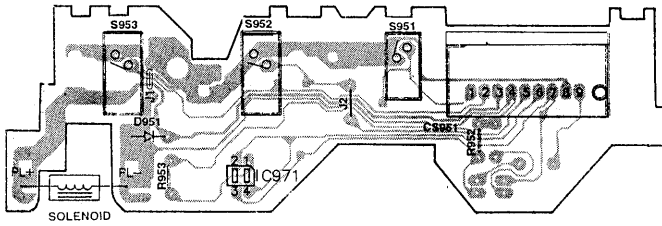


G BATTERY (2) P.C.B. (REP2425D)

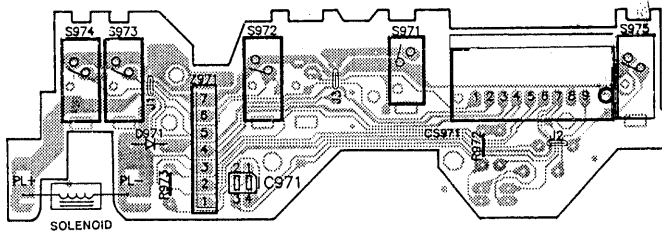


H BATTERY (1) P.C.B. (REP2436B)

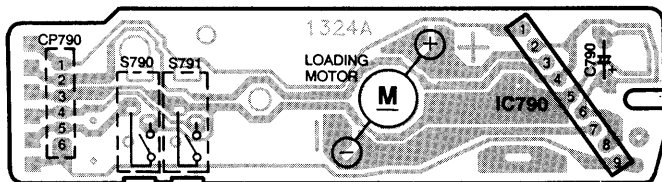
I MECHANISM DECK 1 P.C.B. (REP0108A)



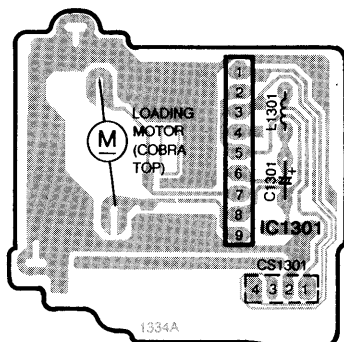
J MECHANISM DECK 2 P.C.B. (REP0108)



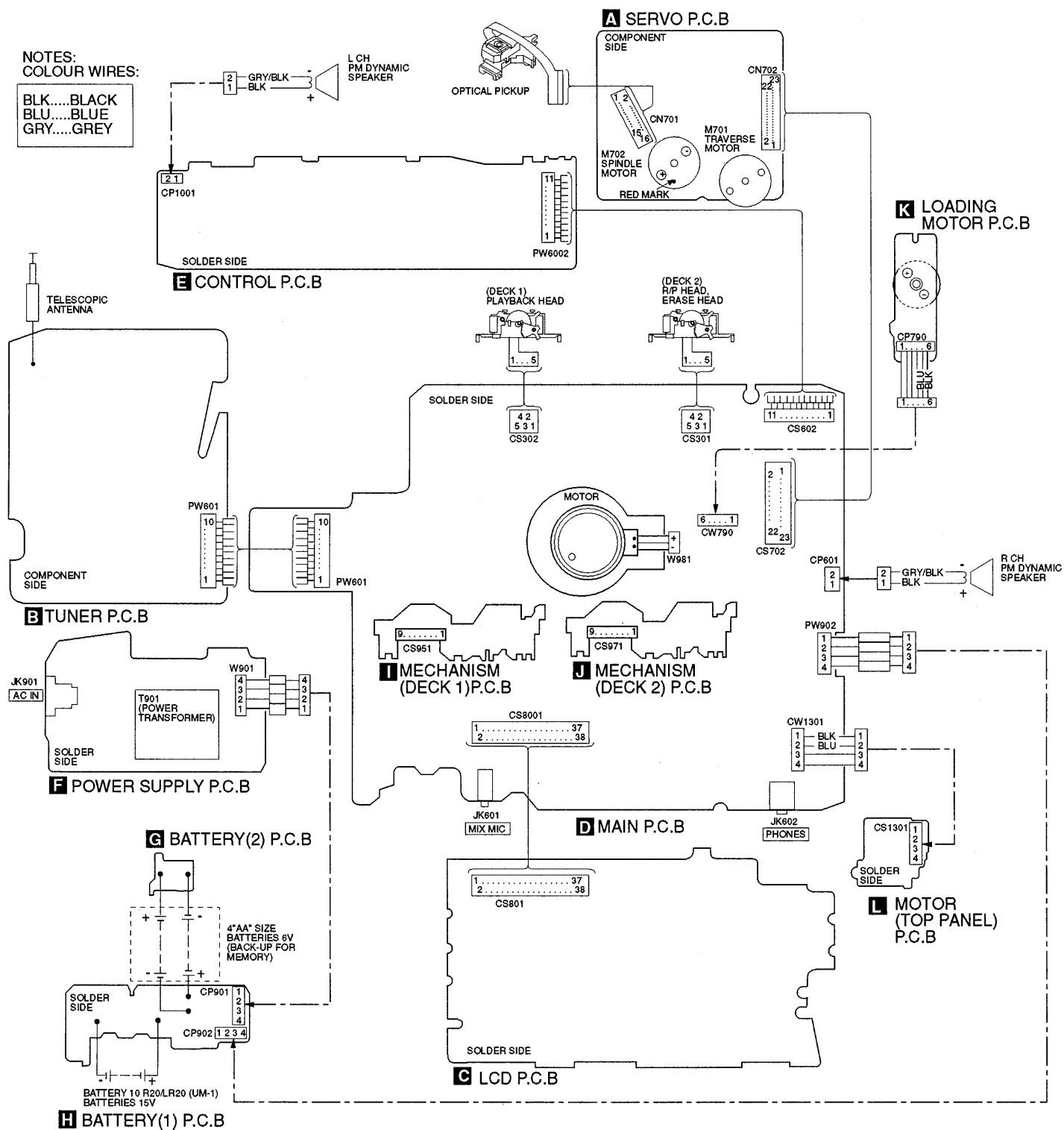
K LOADING MOTOR P.C.B. (REP1960A)



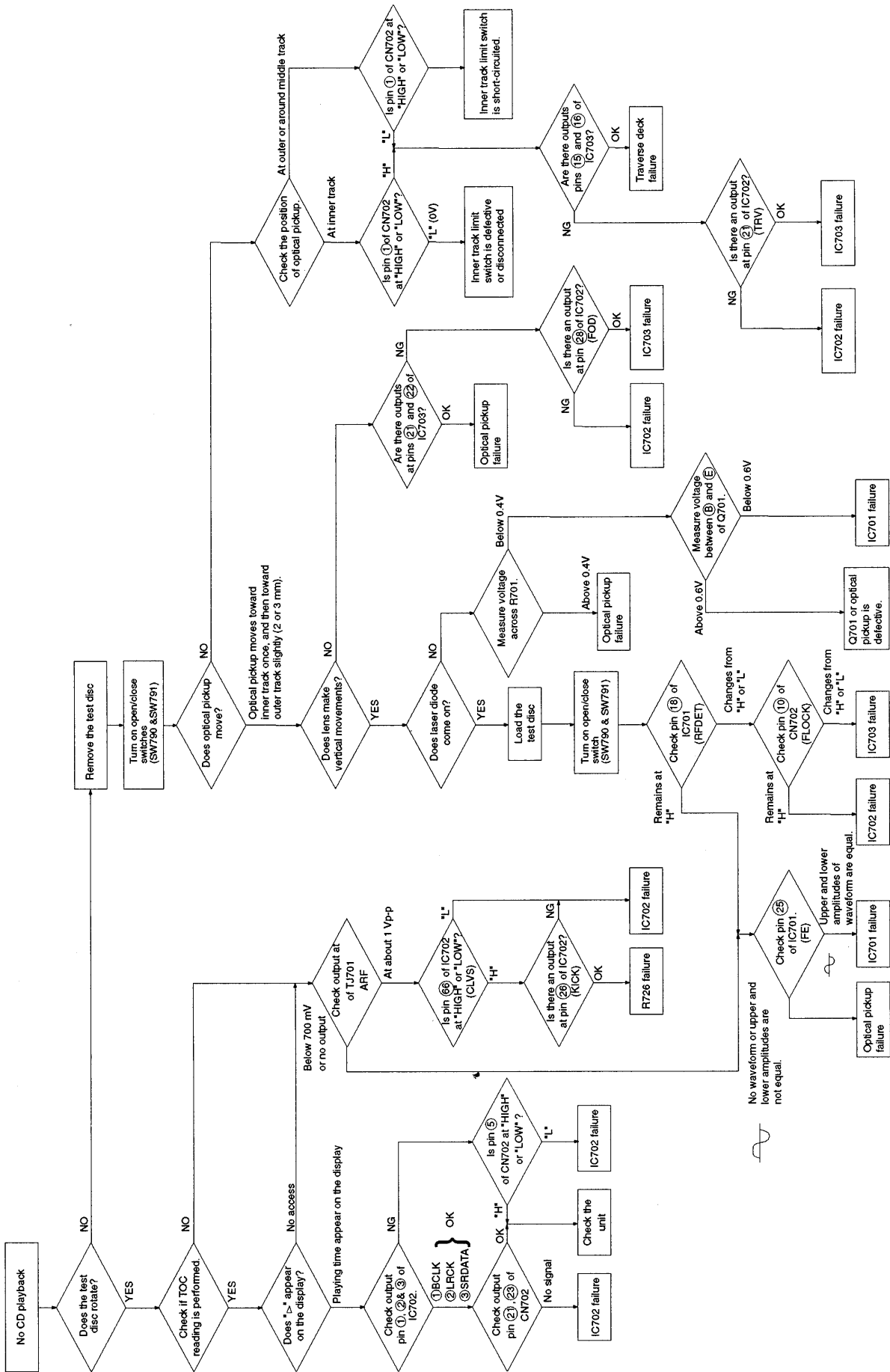
L MOTOR P.C.B. (REP1977A)



Wire Connection Diagram



■ Troubleshooting Guide



■ Measurements And Adjustments

■ TUNER SECTION

• ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT	
<ul style="list-style-type: none"> • Set power source voltage to 15 V DC. • Set power switch to ON • Set function switch to TUNER / AM 	<ul style="list-style-type: none"> • Set volume level to 40 • Output of signal generator should be no higher than necessary to obtain an output reading.
<p>Note : No FM STEREO alignment is required for this Tuner used. The parts other than the ones listed below are aligned at the factory before they are supplied. Therefore, alignment of those parts is unnecessary when used for replacement.</p>	

• AM-RF ALIGNMENT

SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONIC VOLT METER or OSCILLOSCOPE)	ADJUSTMENT (Shown in Fig. 1)	REMARKS
CONNECTIONS	FREQUENCY				
Fashion a loop of several turns of wire and radiate a signal into the loop ant. of receiver.	594 kHz	Tune to signal	Headphone Jack (32Ω) (Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.)	[*1] L3 (AM ANT Coil)	Adjust for maximum output. Adjust L3 by moving coil bobbin along ferrite core.
"	1503 kHz	"	"	CT1 (AM ANT Trimmer)	Adjust for maximum output.
[*1] Fix antenna coil with wax after completing alignment.					

■ CASSETTE DECK SECTION

• ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT	
<ul style="list-style-type: none"> • Set power source voltage to 15 V DC. • Set power switch to ON 	<ul style="list-style-type: none"> • Set function switch to TAPE • Set volume level to 40

• HEAD AZIMUTH ALIGNMENT

TEST TAPE	INDICATOR ELECTRONIC VOLT METER or OSCILLOSCOPE	ADJUSTMENT	REMARKS
QZZCFM (8 kHz, -20 dB)	Headphone Jack (32Ω) (Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.)	Azimuth Screw (Shown in Fig. 3)	<ol style="list-style-type: none"> 1. Insert the test tape (QZZCFM) and start playback in the forward direction. 2. Adjust the azimuth screw for maximum waveform on the oscilloscope and the similar output on L and R channels. 3. When adjusting the azimuth in the reverse direction, repeat the adjustment several times because of a little slip on the forward direction side.

Caution:

- Please remove the screw-locking bond left on the head base when replacing the azimuth screw.
- After the adjustment, apply screwlock to the azimuth adjusting screw. (Screw-locking bond: RZZ0L01)

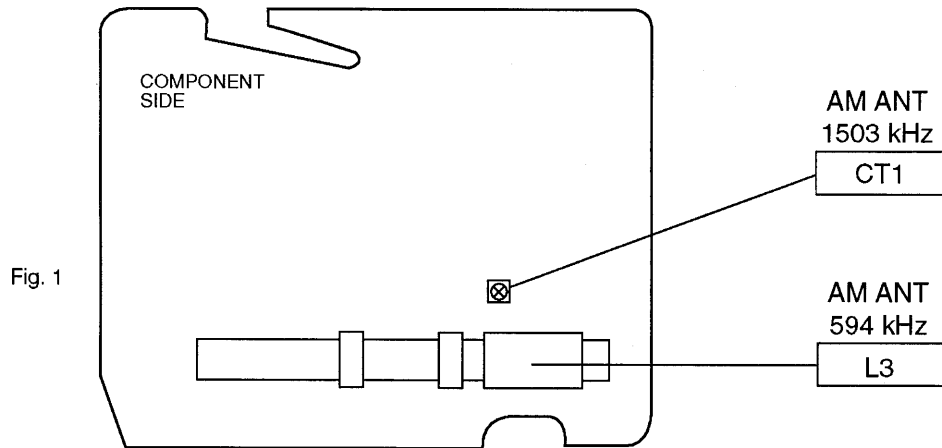
• TAPE SPEED ALIGNMENT

TEST TAPE	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	SPECIFICATION	REMARKS
QZZCWAT (3kHz, -10 dB)	Headphone Jack (32Ω) (Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.)	Motor VR. (show in Fig.4)	3000 ± 60Hz	<ol style="list-style-type: none"> 1. Insert a test tape (QZZCWAT) in DECK 2 and start playback in forward direction. 2. Adjust motor VR for output value of 3000 ± 20Hz shown on frequency counter. 3. Check that the DECK 2 REV and DECK 1 FWD/REV tape speed are within DECK 2 FWD tape speed ± 40Hz.

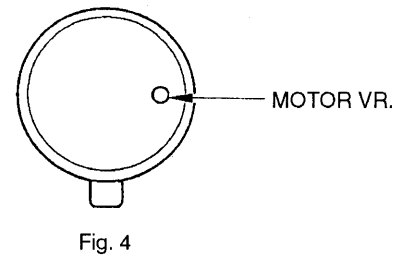
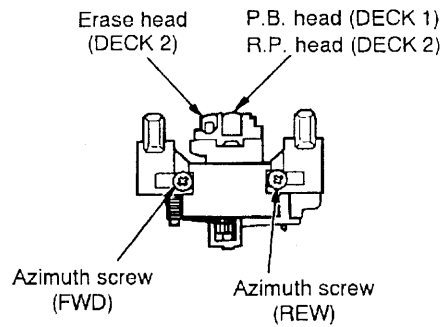
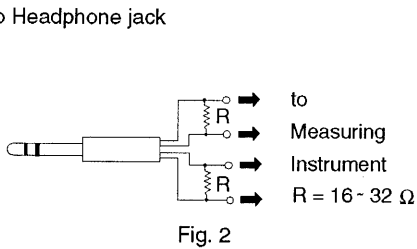
CD SECTION

Alignment is unnecessary for CD section of this unit.

ALIGNMENT POINTS



To Headphone jack



Terminal Guide of ICs, Transistors & Diodes

 No. 1	TA7358FMATEL (8 Pin) BU2616F-E2 (18 Pin) LA1832MLSTEL (24 Pin) BH3854AFS-E2 (32 Pin) AN8835SBE1 (28 Pin) KV1583BMTL (8 Pin)	 No. 1	MND3256REBH1 (100 Pin) MN662741RPA (80 Pin) CXA1998AQT6 (48Pin)	 1 5	BA7755A	 3 2 1	S81350HG-Z						
 24 1 13 12	AN8389SE1		ON2180RLC	 1 9	TA7291S	 1 9	BA6418N	 1 2 3	S-806H-Z		LA4603	 C B E	2SB709S
 E C B	2SC2785FTA 2SC2786LTA 2SC3313BTA 2SB1030RTA	 B C E	RVTDTA143XST RVTDTA143TST RVTDTA144YST RVTDTA144EST RVTDTA114YST 2SC1740SLNRT RVTDTA144TST	 E C B	2SC2001LTA 2SC2001KTA 2SD965RTA 2SA952LTA 2SC1845FTA	 D G S	2SJ40CTA 2SJ40DTA 2SJ40CDTA						
 B C E	2SB1566E	 Anode A Ca A Cathode	KV1360NTM	 A Ca Anode Cathode	MTZJ9R1BTA MTZJ12BTA MTZJ5R1BTA MTZJ10BTA MTZJ8R2BTA	 A Ca Anode Cathode	RL1N4003N02 RL203M11	 A Ca Anode Cathode	MA165TA 1SS254TA RVD1SS135TA	 Anode Cathode A Ca A	SPR39MVW		

■ Terminal Functions Of ICs

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

Pin No.	Mark	I/O	Function
1	BCLK	O	Serial bit clock terminal (Not used, open)
2	LRCK	O	L/R discriminating signal (Not used, open)
3	SRDATA	O	Serial data (Not used, open)
4	DVDD1	I	Power supply (digital circuit) terminal
5	DVSS1	—	GND (digital circuit) terminal
6	TX	O	Digital audio interface signal
7	MCLK	I	Microprocessor command clock signal
8	MDATA	I	Microprocessor command data signal
9	MLD	I	Microprocessor command load signal
10	SENSE	O	Sense signal output (OFT, FESL, MAGEND, NAJEND, POSAD, SFG)
11	/FLOCK	O	Optical servo condition(focus)("L" : lead-in)
12	/TLOCK	O	Optical servo condition(tracking)("L" : lead-in)
13	BLKCK	O	Sub-code block clock (f=75Hz)
14	SQCK	I	External clock signal input for sub-code Q register.
15	SUBQ	O	Sub-code Q code output
16	DMUTE	I	Muting input ("H" : mute)
17	STAT	O	Status signal output (CRC, CUE, CLVS, TTSTVP, FCLV, SQCK)
18	/RST	I	Reset input
19	SMCK	O	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	O	1/192-divided clock signal of crystal oscillating (fPMCK=88.2kHz) (Not used, open)
21	TRV	O	Traverse servo control output
22	TVD	O	Traverse drive signal output
23	PC	O	Spindle motor ON signal output ("L" : ON)
24	ECM	O	Spindle motor drive signal output (forced mode output)
25	ECS	O	Spindle motor drive signal output (servo error signal output)
26	KICK	O	Kick pulse output
27	TRD	O	Tracking drive output
28	FOD	O	Focus drive output
29	VREF	I	D/A (drive) output (TVD, ECS, TRD, FOD, FBAL, TBAL) Reference voltage input.
30	FBAL	O	Focus balance adjustment output (Not used, open)
31	TBAL	O	Tracking balance adjustment output
32	FE	I	Focus error signal input (analog input)
33	TE	I	Tracking error signal input (analog input)
34	RFENV	I	RF envelope signal input
35	VDET	I	Vibration detection signal input ("H" : detection)

Pin No.	Mark	I/O	Function
36	OFT	I	Off-track signal input ("H" : off track)
37	TRCRS	I	Track cross signal input
38	/RFDET	I	RF detection signal input ("L" : detection)
39	BDO	I	Dropout signal input ("H" : Dropout)
40	LDON	O	Laser on signal output ("H" : ON)
41	TES	O	Tracking error shunt signal output ("H" : shunt)
42	PLAY	O	Play signal out ("H" : PLAY)
43	WVEL	O	Double speed status signal output ("H" : DS)
44	ARF	I	RF signal input
45	IREF	I	Reference current input
46	DRF	I	DSL bias (Not used, open)
47	DSLIF	I/O	DSL loop filter
48	PLLIF	I/O	PLL loop filter
49	VCOF	I/O	VCO loop filter (Not used, open)
50	AVDD2	I	Power supply input (for analog circuit)
51	AVSS2	—	GND (for analog circuit)
52	EFM	O	EFM signal output (Not used, open)
53	PCK	O	PLL extraction clock output (Not used, open) (fPCK=4.321 MHz during normal playback)
54	PDO	O	Phase comparison signal of EFM and PCK signals (Not used, open)
55	SUBC	O	Sub-code serial data output (Not used, open)
56	SBCK	I	Sub-code frame clock signal output (fCLDCK=7.35kHz during normal playback)
57	VSS	—	GND
58	X1	I	Crystal oscillating circuit input (f=16.9344MHz)
59	X2	O	Crystal oscillating circuit output (f=16.9344MHz)
60	VDD	I	Power supply input (for oscillating circuit)
61	BYTCK	O	Byte clock output (Not used, open)
62	/CLDCK	O	Clock input for sub-code serial data (Not used, open)
63	FCLK	O	Crystal frame clock signal output (fCLK=7.35kHz, double=14.7kHz)
64	IPFLAG	O	Interpolation flag output ("H" : interpolation) (Not used, open)
65	FLAG	O	Flag output (Not used, open)
66	CLVS	O	Spindle servo phase synchronizing signal output ("H" : CLV, "L" : rough servo) (Not used, open)
67	CRC	O	Sub-code CRC checked output ("H" : OK, "L" : NG) (Not used, open)
68	DEMPH	O	De-emphasis ON signal output ("H" : ON) (Not used, open)
69	RESY	O	Frame resynchronizing signal output (Not used, open)
70	/RST2	I	Reset input through MASH circuit ("L" : Reset)
71	/TEST	I	Test input

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

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

• IC801 (MND3256REBH1) System Microprocessor

Pin No.	Mark	I/O	Function
1	VDD	I	Power supply input (+5 V)
2	OSC1	O	6.0 MHz clock output
3	OSC2	I	6.0 MHz clock input
4	VSS	—	AD converter reference voltage
5	XI	I	32.7 kHz clock input
6	XO	O	32.7 kHz clock output
7	VREF—	—	AD converter reference voltage (GND)
8	ADIN7	I	AD converter signal input (DECK 2: RECINH_F/RECINH_R/HALF)
9	ADIN6	I	AD converter signal input (DECK 1: HALF, DECK 1/2 REEL PAUSE)
10	ADIN5	I	AD converter signal input (TPS, DECK 1/2 REEL PAUSE)
11	ADIN4	I	AD converter signal input (CD TRAY OPEN/CLOSE SW)
12	ADIN3	I	AD converter signal input (Power "on" detect)
13~15	ADIN2~ADIN0	I	AD converter signal input (Operation SW)
16	VREF+	—	AD converter reference voltage (VDD)
17,18	MBP2,MBP1	O	Beat proof control signal output
19	SURROUND	O	Surround signal output
20	VCC DET	I	VCC detect signal input
21	DISC_DET	I	Not used(connect to GND through resistor)
22	FUNC	O	Function control output
23	AGCLK	O	Serial clock output (for ASP)
24	AGDATA	O	Serial data output (for ASP)
25	AGLATCH	O	Latch signal output (for ASP)
26	PW CONT.	O	Power supply circuit control (H: Power ON)
27	MUTE A	O	Muting control signal output (L: MUTE)
28	PLL CE	O	PLL tuner strobe signal output
29	PLL CLK	O	PLL tuner clock output
30	PLL DI	O	PLL tuner control data signal output

Pin No.	Mark	I/O	Function
31	RM IN	I	Remote control signal input
32	BLKCK	I	Sub code block clock input
33	STATUS	I	CD status signal input
34	CD RESET	O	CD reset signal output (L: RESET)
35	MICON RST	I	System reset signal input (L: RESET)
36	MLD	O	CD signal process strobe signal output
37	MDATA	O	CD signal process strobe data output
38	MCLK	O	CD signal process clock signal output
39	SQCK	O	CD sub-code reading clock output
40	SUBQ	I	CD sub-code data input
41	NC	—	—
42	TP1	—	—
43	CM	I	1-chip microprocessor mode setting input (L: 1-chip)
44	TLOCK/ TUNED	I	CD tracking clock signal input (L: OK)/ tuner receiving signal input (L: TUNED)
45	FLOCK/ST	I	CD focus lock signal input (L: FOCUS OK)/ tuner stereo signal input (L: STEREO)
46	REST SW	I	CD traverse position detection switch signal input (H: most inside position)
47,48	DES1,DES2	I	Area selection input
49	SENSE	I	CD sense signal input (H: Detect)
50	STBY	I	Remote control sensor power control
51,52	DES0,DES3	I	Area selection input
53	MKCLK	O	Deck control clock output
54	MKDATA	O	Deck control data output
55	MKLATCH	O	Deck control data latch output
56~66	NC	—	—
67~93	SEG26~SEG0	O	LCD segment signal output
94~97	COM3~COM0	O	LCD common signal output
98~ 100	VLC3~VLC1	I	LCD bias reference voltage input

• IC701 (AN8835SBE1) Servo Amplifier

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

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

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

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

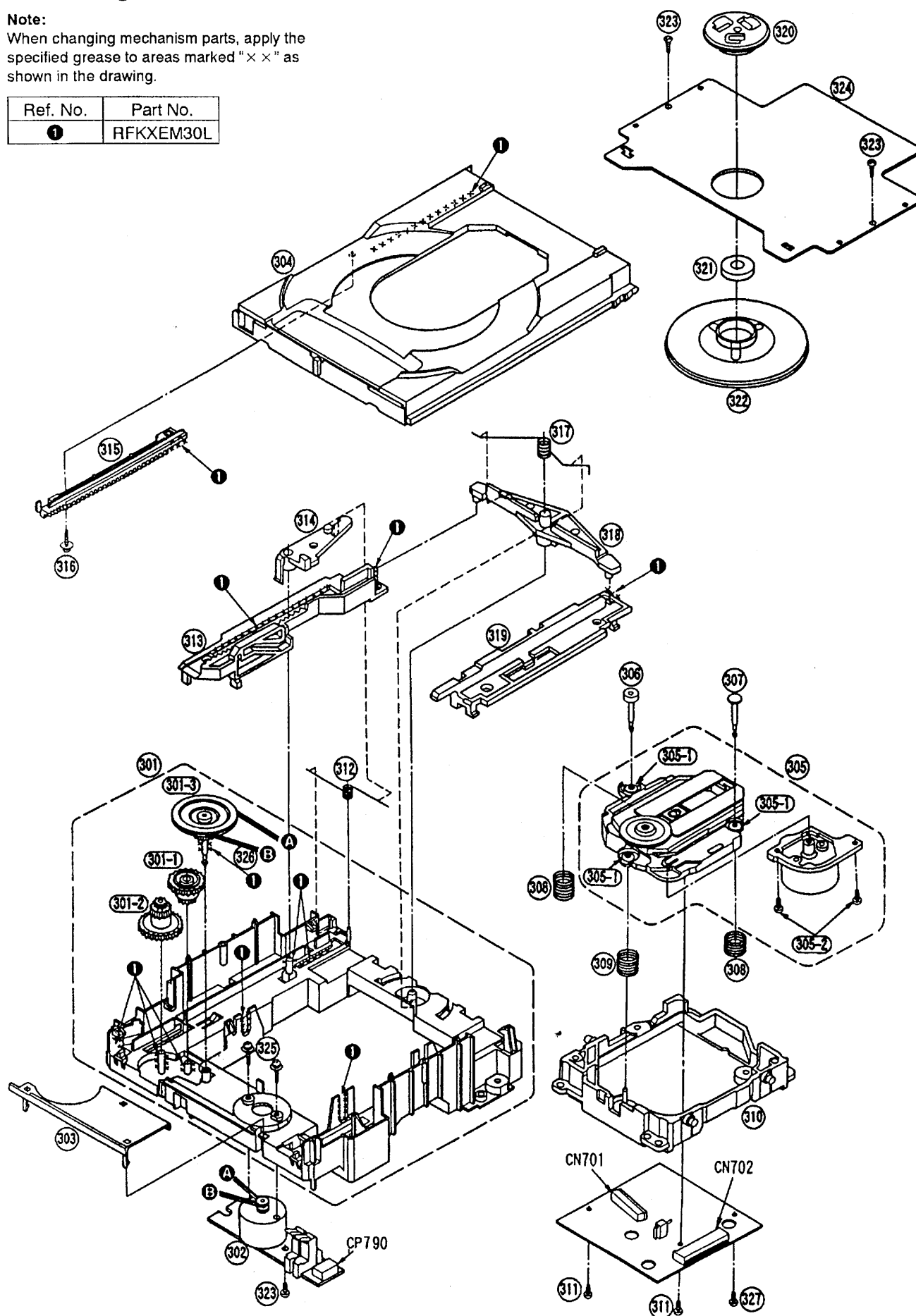
Pin No.	Mark	I/O	Function
13	PVCC1	I	Power supply (1) for driver
14	PGND1	—	Ground connection (1) for driver
15	D1—	O	Motor driver (1) reverse-action output
16	D1+	O	Motor driver (1) forward-action output
17	D2—	O	Motor driver (2) reverse-action output
18	D2+	O	Motor driver (2) forward-action output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

■ Loading Unit Parts Location

Note:

When changing mechanism parts, apply the specified grease to areas marked "× ×" as shown in the drawing.

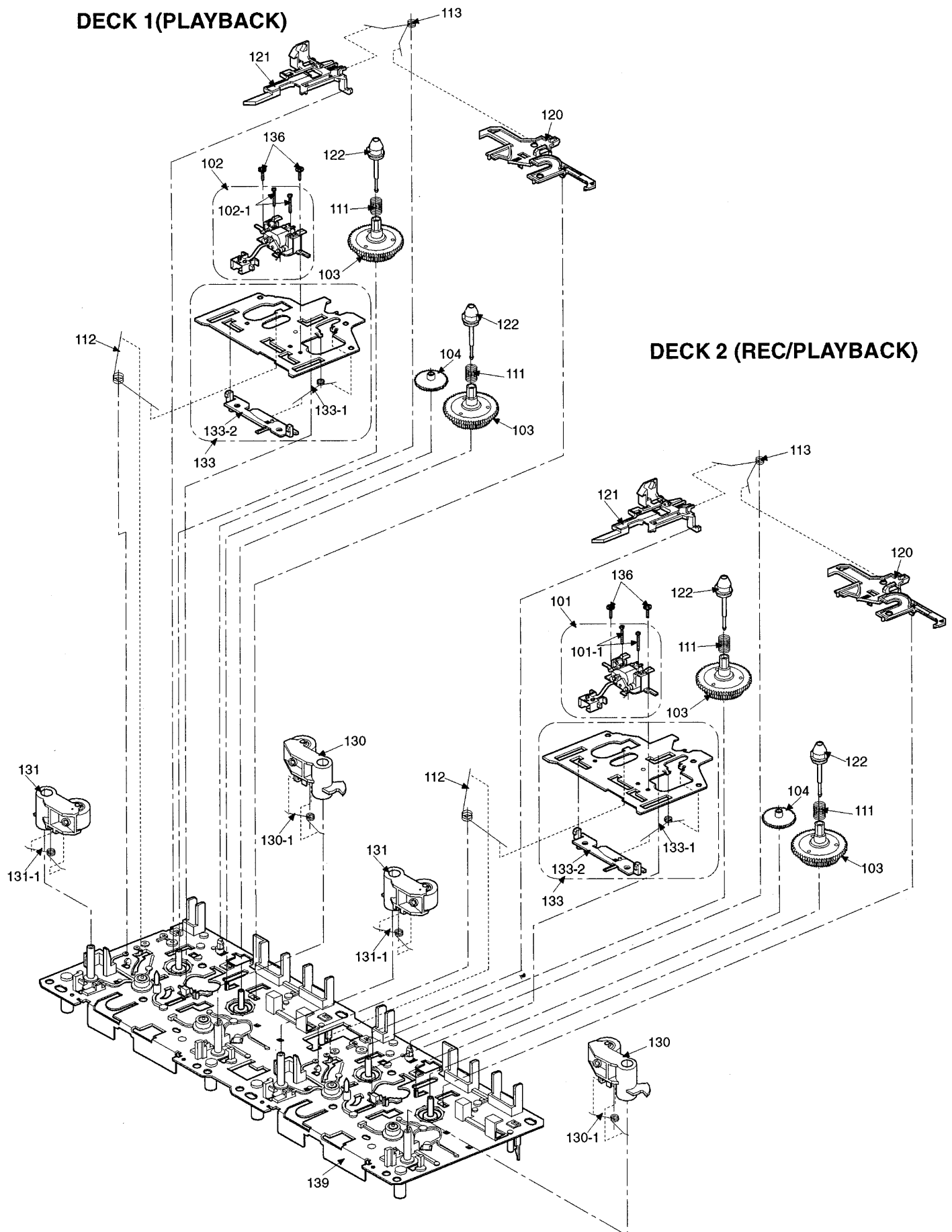
Ref. No.	Part No.
①	RFKXEM30L

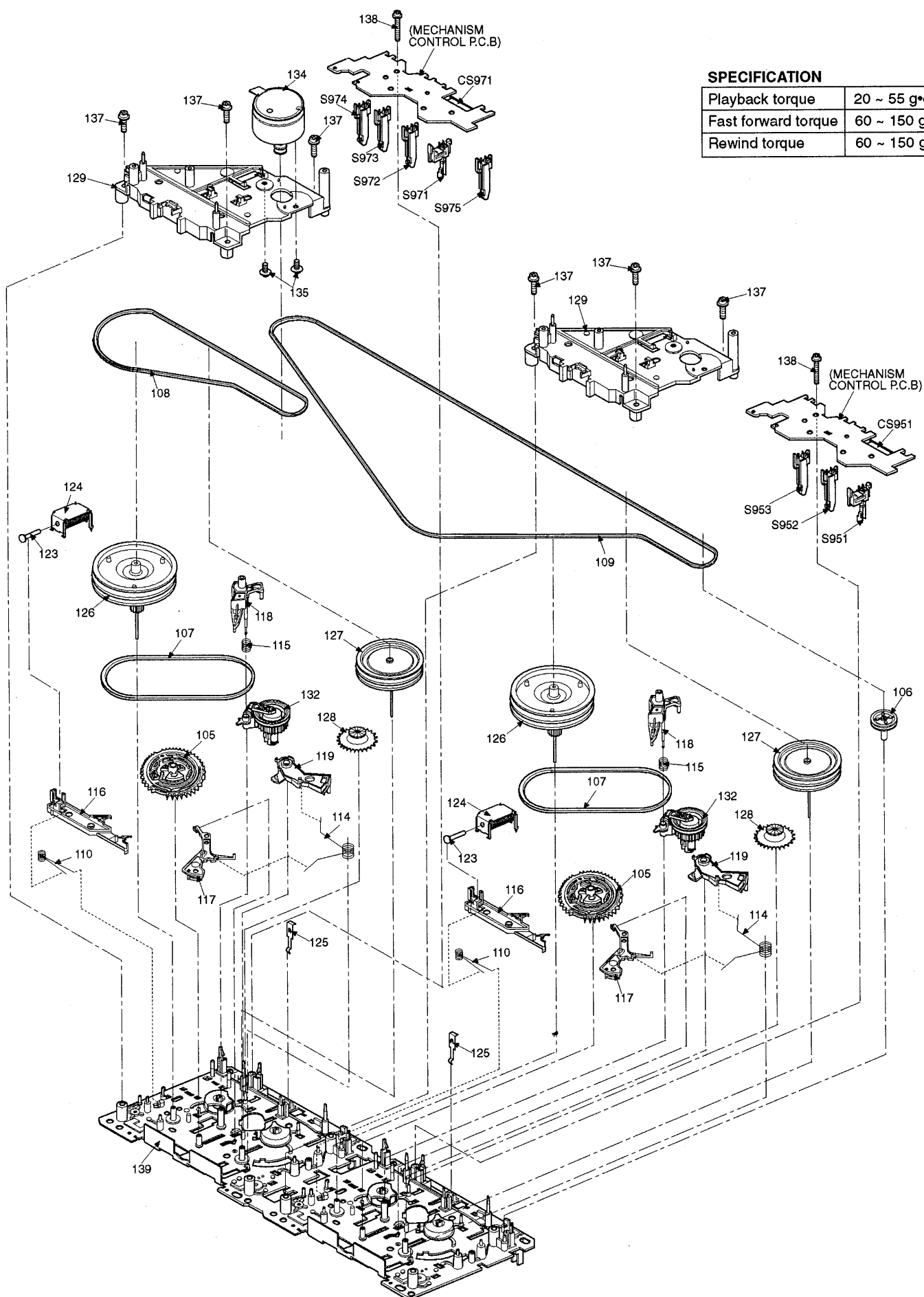


Mechanism Parts Location (RAA3406)

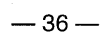
DECK 1 (PLAYBACK)

DECK 2 (REC/PLAYBACK)



**SPECIFICATION**

Playback torque	20 ~ 55 g•cm
Fast forward torque	60 ~ 150 g•cm
Rewind torque	60 ~ 150 g•cm



Mechanism Parts List

Notes : [M] in Remarks column indicates parts 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		113	RMB0404	BRAKE ROD SPRING	[M]	129	RMK0283	SUB-CHASSIS	[M]
				114	RMB0406	FR LEVER SPRING	[M]	130	RXL0124	PINCH ROLLER 'F' ASS	[M]
101	RED0037	R/P HEAD BLOCK UNIT	[M]	115	RMB0408	THRUST SPRING	[M]	130-1	RMB0401	PINCH ARM SPRING 'F'	[M]
101-1	RHE5152ZB	SCREW	[M]	116	RML0370	TRIGGER LEVER	[M]	131	RXL0125	PINCH ROLLER 'R' ASS	[M]
102	RED0038	P/B HEAD BLOCK UNIT	[M]	117	RML0371	FR LEVER	[M]	131-1	RMB0402	PINCH ARM SPRING 'R'	[M]
102-1	RHE5152ZB	SCREW	[M]	118	RML0372	WINDING LEVER	[M]	132	RXL0126	WINDING ARM ASS'Y	[M]
103	RDG0300	REEL BASE GEAR	[M]	119	RML0374	EJECT LEVER	[M]	133	RXQ0412	HEAD PANEL ASS'Y	[M]
104	RDG0301	WINDING RELAY GEAR	[M]	120	RMM0131	BRAKE ROD	[M]	133-1	RMB0405	F.R ROD SPRING	[M]
105	RDK0026	MAIN GEAR	[M]	121	RMM0133	EJECT ROD	[M]	133-2	RMM0132	FR ROD	[M]
106	RDR0029	PULLEY	[M]	122	RMQ0519	REEL HUB	[M]	134	REM0070	CAP MOTOR ASS'Y	[M]
107	RDV0033-1	WINDING BELT	[M]	123	RMS0398-1	SHAFT	[M]	135	RHD26022	MOTOR SCREW	[M]
108	RDV0034	CAPSTAN BELT 'A'	[M]	124	RSJ0003	PLUNGER	[M]	136	XTW2+5L	HEAD BLOCK UNIT SCRE	[M]
109	RDV0035	CAPSTAN BELT 'B'	[M]	125	RUS609ZC	SPRING	[M]	137	XTW26+10S	SUB-CHASSIS SCREW	[M]
110	RUW147ZA	SPRING	[M]	126	RXF0049	FLYWHEEL 'F' ASS'Y	[M]	138	XYC2+JF17	PCB EARTH SCREW	[M]
111	RMB0400	REEL SPRING	[M]	127	RXF0050	FLYWHEEL 'R' ASS'Y	[M]	139	RFKJXD70-K	CHASSIS ASS'Y	[M]
112	RMB0403	HEAB PANEL SPRING	[M]	128	RXG0040	FF RELAY GEAR ASS'Y	[M]				


Loading Mechanism Parts List

Notes : [M] in Remarks column indicates parts 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		306	RMS0350	PIN (B)	[M]	318	RML0349	LEVER	[M]
				307	RMS0123-1	PIN (A)	[M]	319	RMM0059-1	SLIDE PLATE (B)	[M]
301	RFKJXD70-K	LOADING CHASSIS ASSY	[M]	308	RME0109	SPRING (A)	[M]	320	RMR0334	HOLDER	[M]
301-1	RDG0142	GEAR	[M]	309	RME0142	SPRING (B)	[M]	321	RHM245ZA	MAGNET	[M]
301-2	RDG0193	GEAR	[M]	310	RMR0698-K	TRAVERSE CHASSIS	[M]	322	RXQ0380	MAGNET HOLDER	[M]
301-3	RDP0065	PULLY	[M]	311	XTV2+6G	SCREW	[M]	323	XTN26+6G	SCREW	[M]
302	REM0019	MOTOR	[M]	312	RME0063	SPRING	[M]	324	RMA0793	CLAMPER	[M]
303	RMK0255	BELT COVER	[M]	313	RMM0079-1	SLIDE PLATE (A)	[M]	325	XYN2+F6FZ	SCREW	[M]
304	RGQ0143-K	DISC TRAY	[M]	314	RML0178-1	LEVER	[M]	326	RMG0158	BELT	[M]
305	RAE0150Z	TRAVERSE DECK	[M]	315	RFKNLPG440-K	GEAR ASS'Y (B)	[M]	327	XTN2+6G	SCREW	[M]
305-1	SHGD113-1	RUBBER (1)	[M]	316	RHD20009-1	SCREW	[M]				
305-2	SNSD38	SCREW	[M]	317	RME0087	SPRING	[M]				

Repalcement Parts List

Notes: * Important safety notice:

Components identified by  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 these components, be sure to use only manufacturer's specified parts shown in the parts list .

* The parenthesized indications in the Remarks columns specify the areas or colour. (Refer to the cover page for area or colour)

Parts without these indications can be used for all areas.

* [M] Indicates in the Remarks columns indicates parts supplied by MESA.

* Warning : This product uses a laser diode. Refer to caution statements on page 3.

ACHTUNG : • Die lasereinheit nicht zerlegen.

• Die lasereinheit darf nur gegen eine vom hersteller spezifizierte einheit ausgetauscht werden.

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 CHASSIS		9	RGK0868-K	SPEAKER COVER (R)	[M]	18	RKT0035-S	PORT (R)	[M]
				10	RFKXED77EBK	UPPER CAB. ASS'Y	[M]	20	RMC0252	FRICTION SPRING	[M]
1	EAS10P377A6	SPEAKER	[M]	10-1	RG0576B-K	FRONT PANEL	[M]	21	RME0231	ROD ANT TERMINAL	[M]
2	RDB0057-2	COBRA HOLDER (R)	[M]	10-2	RKW0486-K	FILTER PANEL	[M]	22	RMG0249-K1	SCREW COVER	[M]
3	REE0745	COBRA FFC	[M]	11	RGU1479A-K	FRONT BUTTON	[M]	28	XEARR175EA-Y	ROD ANT	[M]
4	REE0758	CD FFC	[M]	13	RKF0501-K	COBRA FRONT	[M]	29	XTBS26+10J	SCREW	[M]
5	REX0838	SP (L)-MAIN WIRE	[M]	14	RKH0040-K	HANDLE	[M]	30	XTN26+8GFZ	COBRA F COVER SCREW	[M]
6	REX0839	SP (R)-MAIN WIRE	[M]	15	RKK347ZB-K	BATTERY COVER	[M]	31	XTV26+8G	AUTO VOLUME UNIT SCF	[M]
7	RGK0866-K	CD TRAY LID	[M]	16	RKQ0215-K1	HANDLE FIXTURE	[M]	32	XTV3+12G	SP. MOUNTING SCREW	[M]
8	RGK0867-K	SPEAKER COVER (L)	[M]	17	RKT0034-S	PORT (L)	[M]	33	XTV3+12GFZ	TOP CAB SCREW	[M]

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
34	XTV3+20G	CASING SCREW	[M]			TRANSISTORS				DIODES	
35	XYN3+F12FY	R.ANT SCREW	[M]								
36	RMR1031-W	CD FIXTURE	[M]	Q1	2SC2785FTA	TRANSISTOR	[M]	D1	KV1360NTM	DIODE	[M]
37	RJC511XA	BATT. TERMINAL	[M]	Q2	2SC2785FTA	TRANSISTOR	[M]	D3	KV1583BMTL	DIODE	[M]
38	RJC751ZAA	UM-3 BATT SPRING	[M]	Q3	2SC2786LTA	TRANSISTOR	[M]	D4	KV1360NTM	DIODE	[M]
42	RGL0291-Q	PANEL LIGHT	[M]	Q4	2SC3313BTA	TRANSISTOR	[M]	D8	1SS254TA	DIODE	[M]
43	RGP0488-3Q	LCD PANEL	[M]	Q5	RVTDTA143XST	TRANSISTOR	[M]	D11	RVD1SS135TA	DIODE	[M]
44	RMN0332-1	LCD HOLDER	[M]	Q12	2SC2785FTA	TRANSISTOR	[M]	D301	1SS254TA	DIODE	[M]
45	RMN0417	REMOCON SHIELD	[M]	Q101	2SJ40CTA	TRANSISTOR	[M]	D602	MTZJ9R1BTA	DIODE	[M]
50	RME0230	OPEN SPRING	[M]	Q103	2SJ40DTA	TRANSISTOR	[M]	D603	RL1N4003N02	DIODE	[M]
52	RFKJXED77GCK	BOTTOM CAB. ASS'Y	[M]	Q201	2SJ40CTA	TRANSISTOR	[M]	D604	1SS254TA	DIODE	[M]
52-1	RJC91010	BATTERY TERMINAL	[M]	Q203	2SJ40DTA	TRANSISTOR	[M]	D605	1SS254TA	DIODE	[M]
53	RMR1032-W	COVER	[M]	Q302	2SC1845FTA	TRANSISTOR	[M]	D606	1SS254TA	DIODE	[M]
54	RDB0063-2	COBRA HOLDER (L)	[M]	Q303	2SC2001LTA	TRANSISTOR	[M]	D608	1SS254TA	DIODE	[M]
55	RGU1480A-K	LEFT BUTTON	[M]	Q304	RVTDTA143XST	TRANSISTOR	[M]	D611	RL1N4003N02	DIODE	[M]
56	RGU1481A-K	RIGHT BUTTON	[M]	Q305	2SC2785FTA	TRANSISTOR	[M]	D613	1SS254TA	DIODE	[M]
57	RKF0500-K	COBRA REAR COVER	[M]	Q306	2SC2785FTA	TRANSISTOR	[M]	D616	1SS254TA	DIODE	[M]
58	RME0232	BALANCE SPRING	[M]	Q307	2SC2785FTA	TRANSISTOR	[M]	D617	MTZJ12BTA	DIODE	[M]
59	RMS0330A	POWER GEAR	[M]	Q308	2SC2785FTA	TRANSISTOR	[M]	D622	MTZJ5R1BTA	DIODE	[M]
60	RMY0192-2	HEAT SINK	[M]	Q309	2SC2785FTA	TRANSISTOR	[M]	D623	RL1N4003N02	DIODE	[M]
61	XTV3+10F	SCREW (HEAT SINK)	[M]	Q310	2SC2785FTA	TRANSISTOR	[M]	D624	1SS254TA	DIODE	[M]
62	RDG0183-L	DAMPER GEAR	[M]	Q311	2SC2785FTA	TRANSISTOR	[M]	D625	1SS254TA	DIODE	[M]
63	RFKLXED77-KA	CASS.HOLDER ASS'Y(L)	[M]	Q312	2SD965RTA	TRANSISTOR	[M]	D801	1SS254TA	DIODE	[M]
64	RFKLXED77-KB	CASS.HOLDER ASS'Y(R)	[M]	Q313	RVTDTA143XST	TRANSISTOR	[M]	D802	MTZJ10BTA	DIODE	[M]
65	RUS757ZAA	CASS. HALF SPRING	[M]	Q317	RVTDTA143XST	TRANSISTOR	[M]	D901	RL203M11	DIODE	[M]▲
66	RMB0448-J	CASS. E.J. LEV.SPRING	[M]	Q322	2SC2785FTA	TRANSISTOR	[M]	D902	RL203M11	DIODE	[M]▲
67	RMM0163	LOCK ROD	[M]	Q325	2SC2785FTA	TRANSISTOR	[M]	D903	RL203M11	DIODE	[M]▲
70	RDG0250A	GEAR	[M]	Q401	2SC2785FTA	TRANSISTOR	[M]	D904	RL203M11	DIODE	[M]▲
71	RFKPKXDT07-K	MOTOR ASS'Y	[M]	Q402	2SC1740SLNRT	TRANSISTOR	[M]	D951	MA165TA	DIODE	[M]
72	RFKNXDT07-K	GEAR ASS'Y	[M]	Q403	2SC1740SLNRT	TRANSISTOR	[M]	D971	MA165TA	DIODE	[M]
73	RDG0289	GEAR	[M]	Q501	2SC2785FTA	TRANSISTOR	[M]	D1001	MTZJ8R2BTA	DIODE	[M]
74	RMC0253	CLIP	[M]	Q502	2SC1740SLNRT	TRANSISTOR	[M]	D1002	SPR39MVW	DIODE	[M]
75	RMK0261	CHASSIS	[M]	Q503	2SC1740SLNRT	TRANSISTOR	[M]				
76	RMR0801-W	ANGLE	[M]	Q601	2SC1740SLNRT	TRANSISTOR	[M]			SWITCHES	
77	RSC0387	SHIELD CASE	[M]	Q605	2SB1030RTA	TRANSISTOR	[M]				
78	XQN2+C3	SCREW	[M]	Q606	2SB1030RTA	TRANSISTOR	[M]	S701	RSM0006-P	SW, RESET	[M]
79	XQN2+C6	SCREW	[M]	Q607	2SB1566E	TRANSISTOR	[M]▲	S801	EVQ21405R	SW, TIMER CHK ADJUST.	[M]
80	XTV26+12F	SCREW	[M]	Q608	RVTDTA143TST	TRANSISTOR	[M]	S802	EVQ21405R	SW, SET/MEMORY	[M]
81	RSC0469	P.T. SHIELD	[M]	Q609	2SC2785FTA	TRANSISTOR	[M]▲	S803	EVQ21405R	SW, CLOCK	[M]
				Q610	2SA952LTA	TRANSISTOR	[M]	S804	EVQ21405R	SW, UP	[M]
		INTEGRATED CIRCUITS		Q611	RVTDTA144EST	TRANSISTOR	[M]	S805	EVQ21405R	SW, DOWN	[M]
				Q612	RVTDTA143XST	TRANSISTOR	[M]	S806	EVQ21405R	SW, REC TIMER	[M]
IC1	TA7358FMATEL	IC, FM RF	[M]	Q613	2SC2001KTA	TRANSISTOR	[M]▲	S807	EVQ21405R	SW, PB TIMER B	[M]
IC2	BU2616F-E2	IC, PLL	[M]	Q614	2SB1030RTA	TRANSISTOR	[M]	S808	EVQ21405R	SW, PB TIMER A	[M]
IC3	LA1832MLSTEL	IC, IF/MULTI	[M]	Q615	RVTDTA114YST	TRANSISTOR	[M]	S809	EVQ21405R	SW, TAPE EDIT	[M]
IC301	BA7755A	IC, SWITCH	[M]	Q618	2SC2785FTA	TRANSISTOR	[M]	S810	EVQ21405R	SW, CD REC MODE	[M]
IC302	CXA1998AQT6	IC, R/P	[M]	Q619	RVTDTA143XST	TRANSISTOR	[M]	S811	EVQ21405R	SW, REC/REC PAUSE	[M]
IC601	BH3854AFS-E2	IC	[M]	Q620	RVTDTA144EST	TRANSISTOR	[M]	S812	EVQ21405R	SW, S.VIRTUALIZER	[M]
IC603	S81350HG-Z	IC, 5V REGULATOR	[M]▲	Q621	RVTDTA114YST	TRANSISTOR	[M]	S813	EVQ21405R	SW, PRESET EQ.	[M]
IC604	LA4603	IC, POWER	[M]	Q622	2SB1030RTA	TRANSISTOR	[M]	S951	RSH1A018-1U	SW, MODE (DECK 1)	[M]
IC701	AN8835SBE1	IC, SERVO AMP.	[M]	Q624	2SC2785FTA	TRANSISTOR	[M]	S952	RSH1A019-2U	SW, HALF (DECK 1)	[M]
IC702	MN662741RPA	IC, DIGITAL LSI	[M]	Q625	2SJ40CDTA	TRANSISTOR	[M]	S953	RSH1A019-2U	SW, CrO ₂ (DECK 1)	[M]
IC703	AN8389SE1	IC, COIL/MOTOR DRIVE	[M]	Q626	2SC2785FTA	TRANSISTOR	[M]	S971	RSH1A018-1U	SW, MODE (DECK 2)	[M]
IC790	TA7291S	IC, LOADING MOTOR CD	[M]	Q701	2SB709S	TRANSISTOR	[M]	S972	RSH1A019-2U	SW, HALF (DECK 2)	[M]
IC801	MND3256REBH1	IC, MICROPROCESSOR	[M]	Q801	2SC2785FTA	TRANSISTOR	[M]	S973	RSH1A019-2U	SW, CrO ₂ (DECK 2)	[M]
IC802	S-806H-Z	IC, RESET	[M]	Q802	2SC2785FTA	TRANSISTOR	[M]	S974	RSH1A019-2U	SW, REV. REC (DECK 2)	[M]
IC951	0N2180RLC	IC, PHOTO INTERRUPTOR	[M]	Q803	2SC2001KTA	TRANSISTOR	[M]	S975	RSH1A019-2U	SW, FWD. REC (DECK 2)	[M]
IC971	0N2180RLC	IC, PHOTO INTERRUPTOR	[M]	Q804	2SC2785FTA	TRANSISTOR	[M]	S1001	EVQ21405R	SW, CD OPEN/CLOSE	[M]
IC1301	BA6418N	IC, LOADING MOTOR	[M]					S1002	EVQ21405R	SW, TAPE 2 EJECT	[M]
								S1003	EVQ21405R	SW, TOP PANEL OPEN	[M]

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
S1004	EVQ21405R	SW, TOP OPEN CLOSE	[M]	Z971	EXBF72355SYV	COMPONENT COMBINATION	[M]	RJ722	ERJ8GEY0R00A	0 1/8W	[M]
S1005	EVQ21405R	SW, FUNCTION	[M]	Z1001	RCD12042LN	REMOCON SENSOR	[M]	RJ723	ERJ8GEY0R00A	0 1/8W	[M]
S1006	EVQ21405R	SW, <VOL> +.	[M]					RJ724	ERJ8GEY0R00A	0 1/8W	[M]
S1007	EVQ21405R	SW, <VOL> -.	[M]			VARIABLE CAPACITORS		RJ725	ERJ8GEY0R00A	0 1/8W	[M]
S1008	EVQ21405R	SW, TAPE 1 EJECT	[M]					RJ726	ERJ8GEY0R00A	0 1/8W	[M]
S1009	EVQ21405R	SW, POWER	[M]	CT1	RCV10AF1T-S	TRIMMER CAPACITOR	[M]	RJ727	ERJ8GEY0R00A	0 1/8W	[M]
S1010	EVQ21405R	SW, FF	[M]					RJ728	ERJ8GEY0R00A	0 1/8W	[M]
S1011	EVQ21405R	SW, FM/AM	[M]			CERAMIC FILTERS		RJ729	ERJ8GEY0R00A	0 1/8W	[M]
S1012	EVQ21405R	SW, REW	[M]					RJ730	ERJ8GEY0R00A	0 1/8W	[M]
S1013	EVQ21405R	SW, TAPE 1/2	[M]	CF1	RLFFETMLA02D	FM IF CF	[M]				
S1014	EVQ21405R	SW, TAPE PLAY/DIR	[M]	CF2	RLFFETMLA02D	FM IF CF	[M]			TEST JUMPERS	
S1015	EVQ21405R	SW, CD PLAY/PAUSE	[M]	CF3	RLFDFT14AD	CF	[M]				
SW790	RSH1A005	SW, OPEN	[M]					TJ701	EYF8CU	TEST JUMPER	[M]
SW791	RSH1A005	SW, CLOSE	[M]			OSCILLATORS		TJ702	EYF8CU	TEST JUMPER	[M]
SW901	RJJ1SE01-1H	SW, AC (JK901)	[M]▲								
SW902	RSR3A01ZA-H	SW, VOLTAGE SELECTOR	[M]▲	X1	RSXZ456KM01	19KHZ OSC	[M]				
		CONNECTORS		X2	RSXC7M20S04T	XTAL 7.2MHZ	[M]				
				X701	RSXZ16M9M01T	CERAMIC OSC	[M]				
				X801	EF0EN6004T4	CERAMIC OSC	[M]				
				X802	RSXD32K7S02	32.768KHZ X'TAL	[M]				
CN701	RJU035T016-1	16 PIN FFC CONNECTOR	[M]			FUSE HOLDERS					
CN702	RJS1A6723-1Q	23 PIN FFC CONNECTOR	[M]								
CP601	RJT029W002-1	SP CONNECTOR	[M]								
CP790	RJP6G17ZA	CONNECTOR (6P)	[M]	FH901	RJR0169T	FUSE HOLDER	[M]				
CP901	RJP4G9YA	CONNECTOR	[M]	FH902	RJR0169T	FUSE HOLDER	[M]				
CP902	RJT029W004-1	PLUG (4P)	[M]			FUSES					
CP951	RJT071H09A	9P B-B PIN	[M]								
CP971	RJT071H09A	9P B-B PIN	[M]								
CP1001	RJT029W002-1	SP CONNECTOR	[M]	F901	XBA2C25TB0	FUSE	[M]▲				
CS301	RJS1A6805-1	MECHA CONNECTOR	[M]			FUSE PROTECTERS					
CS302	RJS1A6805-1	MECHA CONNECTOR	[M]								
CS602	RJS1A5211	CONNECTOR	[M]								
CS702	RJS1A9423	23P FPC CONNECTOR	[M]	FP901	RSFMB50KT-L	PROTECTOR	[M]▲				
CS801	RJS1A6838-J	FFC CONNECTOR	[M]			JACKS					
CS951	RJU071H09M1	CONNECTOR	[M]								
CS971	RJU071H09M1	CONNECTOR	[M]								
CS1301	RJP4G17ZA	CONNECTOR (4P)	[M]	JK601	RJJD3M6ZB-C	JK, MIC	[M]				
CS8001	RJS1A6838-J	FFC CONNECTOR	[M]	JK602	RJJ37TK01-1C	JACK	[M]				
		COILS & TRANSFORMERS		JK901	RJJ1SE01-1H	JK, IN	[M]▲				
						WIRES					
L1	RL02B012-T	COIL	[M]								
L3	RLV2C032-0	F. ANT	[M]	W901	REX0837	POWER-BATTERY WIRE	[M]				
L5	RLQZP8R2JT-Y	COIL	[M]	CW790	REX0842	MAIN-CD U. WIRE	[M]				
L8	RLQZP101KT-Y	AXIAL COIL	[M]	CW1301	REX0841	MOTOR-MAIN WIRE	[M]				
L301	RL08B003-K	BIAS OSC COIL	[M]	PW902	REX0840	MAIN-BATT WIRE	[M]				
L302	RLQA470JT1-Y	AXIAL COIL	[M]			CHIP JUMPERS					
L801	RLQZP2R2KT-Y	NIL	[M]								
L1301	RLQB470KTA-Y	COIL	[M]	RJ701	ERJ8GEY0R00A	0 1/8W	[M]				
T1	RLI2Z010-T	AM IFT	[M]	RJ702	ERJ8GEY0R00A	0 1/8W	[M]				
T901	RTP1U1E006-X	P. TRANS	[M]▲	RJ703	ERJ8GEY0R00A	0 1/8W	[M]				
		DISPLAY		RJ704	ERJ8GEY0R00A	0 1/8W	[M]				
LCD801	RSL5166-L	LCD	[M]	RJ707	ERJ8GEY0R00A	0 1/8W	[M]				
		COMPONENT COMBINATION		RJ709	ERJ8GEY0R00A	0 1/8W	[M]				
				RJ714	ERJ8GEY0R00A	0 1/8W	[M]				
Z1	RCRBWT002-H	NIL	[M]	RJ715	ERJ8GEY0R00A	0 1/8W	[M]				
Z301	EXBF7L355SYV	RADA RESISTOR	[M]	RJ716	ERJ8GEY0R00A	0 1/8W	[M]				
Z801	XAMR134	LAMP	[M]	RJ717	ERJ8GEY0R00A	0 1/8W	[M]				
				RJ721	ERJ8GEY0R00A	0 1/8W	[M]				

Resistors & Capacitors

Notes :

- * Capacitor values are in microfarads (μF) unless specified otherwise, P=Pico-farads (pF), F=Farads.
- * Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM).
- * Bracketed indications in Ref. No. columns specify the area (Refer to the first page for area).
- Parts without these indications can be used for all areas.
- * [M] Indicates in the values & remarks column indicates parts supplied by MESA

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
		RESISTORS									
R1	ERDS2TJ104T	100K 1/4W [M]	R204	ERDS2TJ104T	100K 1/4W [M]	R407	ERDS2TJ223T	22K 1/4W [M]	R630	ERDS2TJ473T	47K 1/4W [M]
R2	ERDS2TJ332T	3.3K 1/4W [M]	R205	ERDS2TJ182T	1.8K 1/4W [M]	R408	ERDS2TJ562T	5.6K 1/4W [M]	R631	ERDS2TJ474T	470K 1/4W [M]
R3	ERDS2TJ104T	100K 1/4W [M]	R206	ERDS2TJ332T	3.3K 1/4W [M]	R410	ERDS2TJ105T	1M 1/4W [M]	R633	ERDS2TJ330T	33 1/4W [M]
R4	ERDS2TJ103T	10K 1/4W [M]	R209	ERDS2TJ223T	22K 1/4W [M]	R413	ERDS2TJ181T	180 1/4W [M]	R634	ERDS2TJ330T	33 1/4W [M]
R5	ERDS2TJ103T	10K 1/4W [M]	R210	ERDS2TJ222T	2.2K 1/4W [M]	R415	ERDS2TJ103T	10K 1/4W [M]	R635	ERDS2TJ103T	10K 1/4W [M]
R6	ERDS2TJ152T	1.5K 1/4W [M]	R301	ERDS2TJ103T	10K 1/4W [M]	R416	ERDS2TJ822T	8.2K 1/4W [M]	R636	ERDS2TJ272T	2.7K 1/4W [M]
R7	ERDS2TJ330T	33 1/4W [M]	R302	ERDS2TJ152T	1.5K 1/4W [M]	R418	ERDS2TJ683T	68K 1/4W [M]	R640	ERDS2TJ472T	4.7K 1/4W [M]
R8	ERDS2TJ104T	100K 1/4W [M]	R303	ERDS2TJ152T	1.5K 1/4W [M]	R419	ERDS2TJ102T	1K 1/4W [M]	R641	ERDS2TJ333T	33K 1/4W [M]
R9	ERDS2TJ471T	470 1/4W [M]	R305	ERDS2TJ103T	10K 1/4W [M]	R422	ERDS2TJ682T	6.8K 1/4W [M]	R642	ERDS2TJ102T	1K 1/4W [M]
R10	ERDS2TJ102T	1K 1/4W [M]	R306	ERDS2TJ752T	7.5K 1/4W [M]	R423	ERDS2TJ472T	4.7K 1/4W [M]	R643	ERDS2TJ102T	1K 1/4W [M]
R11	ERDS2TJ103T	10K 1/4W [M]	R307	ERDS2TJ822T	8.2K 1/4W [M]	R425	ERDS2TJ221T	220 1/4W [M]	R644	ERDS2TJ102T	1K 1/4W [M]
R12	ERDS2TJ223T	22K 1/4W [M]	R308	ERD2FCVJ4R7T	4.7 1/4W [M]	R501	ERDS2TJ183T	18K 1/4W [M]	R646	ERDS2TJ273T	27K 1/4W [M]
R13	ERDS2TJ153T	15K 1/4W [M]	R309	ERDS2TJ472T	4.7K 1/4W [M]	R502	ERDS2TJ682T	6.8K 1/4W [M]	R647	ERDS2TJ472T	4.7K 1/4W [M]
R14	ERDS2TJ103T	10K 1/4W [M]	R310	ERDS2TJ472T	4.7K 1/4W [M]	R503	ERDS2TJ123T	12K 1/4W [M]	R648	ERDS2TJ103T	10K 1/4W [M]
R15	ERDS2TJ223T	22K 1/4W [M]	R311	ERDS2TJ472T	4.7K 1/4W [M]	R504	ERDS2TJ472T	4.7K 1/4W [M]	R649	ERDS2TJ561T	560 1/4W [M]
R16	ERDS2TJ105T	1M 1/4W [M]	R312	ERDS2TJ334T	330K 1/4W [M]	R505	ERDS2TJ222T	2.2K 1/4W [M]	R650	ERDS2TJ103T	10K 1/4W [M]
R17	ERDS2TJ103T	10K 1/4W [M]	R313	ERDS2TJ123T	12K 1/4W [M]	R507	ERDS2TJ223T	22K 1/4W [M]	R652	ERDS2TJ103T	10K 1/4W [M]
R18	ERDS2TJ223T	22K 1/4W [M]	R314	ERDS2TJ472T	4.7K 1/4W [M]	R508	ERDS2TJ562T	5.6K 1/4W [M]	R653	ERDS2TJ103T	10K 1/4W [M]
R19	ERDS2TJ101T	100 1/4W [M]	R315	ERDS2TJ102T	1K 1/4W [M]	R510	ERDS2TJ105T	1M 1/4W [M]	R654	ERDS2TJ103T	10K 1/4W [M]
R20	ERDS2TJ151T	150 1/4W [M]	R316	ERDS2TJ470T	47 1/4W [M]	R513	ERDS2TJ181T	180 1/4W [M]	R655	ERDS2TJ103T	10K 1/4W [M]
R21	ERDS2TJ104T	100K 1/4W [M]	R317	ERDS2TJ220T	22 1/4W [M]	R515	ERDS2TJ103T	10K 1/4W [M]	R656	ERDS2TJ223T	22K 1/4W [M]
R22	ERDS2TJ331T	330 1/4W [M]	R318	ERDS2TJ335T	3.3M 1/4W [M]	R516	ERDS2TJ822T	8.2K 1/4W [M]	R657	ERDS2TJ223T	22K 1/4W [M]
R24	ERDS2TJ471T	470 1/4W [M]	R319	ERDS2TJ104T	100K 1/4W [M]	R518	ERDS2TJ683T	68K 1/4W [M]	R658	ERDS2TJ101T	100 1/4W [M]
R25	ERDS2TJ104T	100K 1/4W [M]	R320	ERDS2TJ104T	100K 1/4W [M]	R519	ERDS2TJ102T	1K 1/4W [M]	R660	ERDS2TJ103T	10K 1/4W [M]
R26	ERDS2TJ102T	1K 1/4W [M]	R321	ERDS2TJ104T	100K 1/4W [M]	R522	ERDS2TJ682T	6.8K 1/4W [M]	R661	ERDS2TJ472T	4.7K 1/4W [M]
R27	ERDS2TJ102T	1K 1/4W [M]	R322	ERDS2TJ104T	100K 1/4W [M]	R523	ERDS2TJ472T	4.7K 1/4W [M]	R662	ERDS2TJ104T	100K 1/4W [M]
R28	ERDS2TJ334T	330K 1/4W [M]	R323	ERDS2TJ273T	27K 1/4W [M]	R525	ERDS2TJ221T	220 1/4W [M]	R663	ERDS2TJ334T	330K 1/4W [M]
R29	ERDS2TJ331T	330 1/4W [M]	R324	ERDS2TJ273T	27K 1/4W [M]	R601	ERDS2TJ334T	330K 1/4W [M]	R664	ERDS2TJ105T	1M 1/4W [M]
R30	ERDS2TJ822T	8.2K 1/4W [M]	R325	ERDS2TJ471T	470 1/4W [M]	R602	ERDS2TJ102T	1K 1/4W [M]	R665	ERDS2TJ182T	1.8K 1/4W [M]
R31	ERDS2TJ472T	4.7K 1/4W [M]	R326	ERDS2TJ103T	10K 1/4W [M]	R603	ERDS2TJ100T	10 1/4W [M]	R666	ERDS2TJ103T	10K 1/4W [M]
R41	ERDS2TJ301T	300 1/4W [M]	R327	ERDS2TJ472T	4.7K 1/4W [M]	R604	ERDS2TJ102T	1K 1/4W [M]	R667	ERDS2TJ1R2T	1.2 1/4W [M]
R47	ERDS2TJ332T	3.3K 1/4W [M]	R328	ERDS2TJ103T	10K 1/4W [M]	R605	ERDS2TJ102T	1K 1/4W [M]	R668	ERDS2TJ102T	1K 1/4W [M]
R49	ERDS2TJ103T	10K 1/4W [M]	R329	ERDS2TJ681T	680 1/4W [M]	R607	ERDS2TJ102T	1K 1/4W [M]	R669	ERDS2TJ102T	1K 1/4W [M]
R52	ERDS2TJ223T	22K 1/4W [M]	R330	ERDS2TJ563T	56K 1/4W [M]	R608	ERDS2TJ273T	27K 1/4W [M]	R670	ERDS2TJ102T	1K 1/4W [M]
R59	ERDS2TJ471T	470 1/4W [M]	R331	ERDS2TJ104T	100K 1/4W [M]	R609	ERDS2TJ332T	3.3K 1/4W [M]	R671	ERDS2TJ102T	1K 1/4W [M]
R61	ERDS2TJ103T	10K 1/4W [M]	R332	ERDS2TJ104T	100K 1/4W [M]	R610	ERDS2TJ273T	27K 1/4W [M]	R672	ERDS2TJ102T	1K 1/4W [M]
R62	ERDS2TJ471T	470 1/4W [M]	R333	ERDS2TJ103T	10K 1/4W [M]	R611	ERDS2TJ332T	3.3K 1/4W [M]	R673	ERG1SJ470E	47 1W [M]
R64	ERDS2TJ332T	3.3K 1/4W [M]	R334	ERDS2TJ223T	22K 1/4W [M]	R612	ERDS2TJ1R2T	1.2 1/4W [M]	R677	ERDS2TJ681T	680 1/4W [M]
R65	ERDS2TJ470T	47 1/4W [M]	R335	ERDS2TJ470T	47 1/4W [M]	R613	ERDS2TJ1R2T	1.2 1/4W [M]	R678	ERDS2TJ103T	10K 1/4W [M]
R66	ERDS2TJ332T	3.3K 1/4W [M]	R336	ERDS2TJ563T	56K 1/4W [M]	R614	ERDS2TJ103T	10K 1/4W [M]	R679	ERDS2TJ105T	1M 1/4W [M]
R101	ERDS2TJ101T	100 1/4W [M]	R337	ERDS2TJ104T	100K 1/4W [M]	R615	ERDS2TJ331T	330 1/4W [M]	R681	ERDS2TJ335T	3.3M 1/4W [M]
R102	ERDS2TJ822T	8.2K 1/4W [M]	R349	ERDS2TJ224T	220K 1/4W [M]	R616	ERD2FCVG220T	22 1/4W [M]	R682	ERDS2TJ682T	6.8K 1/4W [M]
R103	ERDS2TJ562T	5.6K 1/4W [M]	R350	ERDS2TJ334T	330K 1/4W [M]	R617	ERDS2TJ122T	1.2K 1/4W [M]	R684	ERDS2TJ102T	1K 1/4W [M]
R104	ERDS2TJ104T	100K 1/4W [M]	R355	ERDS2TJ153T	15K 1/4W [M]	R618	ERDS2TJ103T	10K 1/4W [M]	R701	ERJ6GEYJ4R7V	4.7 1/10W [M]
R105	ERDS2TJ182T	1.8K 1/4W [M]	R366	ERDS2TJ183T	18K 1/4W [M]	R619	ERDS2TJ391T	390 1/4W [M]	R703	ERJ6GEYJ823	82K 1/10W [M]
R106	ERDS2TJ332T	3.3K 1/4W [M]	R368	ERDS2TJ220T	22 1/4W [M]	R620	ERDS2TJ391T	390 1/4W [M]	R704	ERJ6GEYJ102V	1K 1/10W [M]
R109	ERDS2TJ223T	22K 1/4W [M]	R369	ERDS2TJ334T	330K 1/4W [M]	R622	ERDS2TJ151T	150 1/4W [M]	R705	ERJ6GEYJ103V	10K 1/10W [M]
R110	ERDS2TJ222T	2.2K 1/4W [M]	R370	ERDS2TJ103T	10K 1/4W [M]	R623	ERDS2TJ821T	820 1/4W [M]	R706	ERJ6GEYJ102V	1K 1/10W [M]
R201	ERDS2TJ101T	100 1/4W [M]	R401	ERDS2TJ183T	18K 1/4W [M]	R624	ERDS2TJ331T	330 1/4W [M]	R707	ERJ6GEYJ474V	470K 1/10W [M]
R202	ERDS2TJ822T	8.2K 1/4W [M]	R402	ERDS2TJ682T	6.8K 1/4W [M]	R626	ERDS2TJ122T	1.2K 1/4W [M]	R708	ERJ6GEYJ154V	150K 1/10W [M]
R203	ERDS2TJ562T	5.6K 1/4W [M]	R403	ERDS2TJ123T	12K 1/4W [M]	R627	ERDS2TJ472T	4.7K 1/4W [M]	R709	ERJ6GEYJ683V	68K 1/10W [M]
			R404	ERDS2TJ472T	4.7K 1/4W [M]	R628	ERDS2TJ472T	4.7K 1/4W [M]	R711	ERJ6GEYJ154V	150K 1/10W [M]
			R405	ERDS2TJ222T	2.2K 1/4W [M]	R629	ERDS2TJ271T	270 1/4W [M]	R712	ERJ6GEYJ221V	220 1/10W [M]

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
R717	ERJ6GEYJ102V	1K 1/10W[M]	R838	ERDS2TJ472T	4.7K 1/4W [M]	C27	ECBT1H4R7KC5	4.7P 50V [M]	C209	ECEA1EKA4R7B	4.7 25V [M]
R718	ERJ6GEYJ102V	1K 1/10W[M]	R839	ERDS2TJ472T	4.7K 1/4W [M]	C28	RCBS1H102KBY	1000P 50V [M]	C210	ECEA1EKA4R7B	4.7 25V [M]
R719	ERJ6GEYJ102V	1K 1/10W[M]	R841	ERDS2TJ472T	4.7K 1/4W [M]	C29	RCBS1H102KBY	1000P 50V [M]	C211	ECBT1H331KB5	330P 50V [M]
R720	ERJ6GEYJ102V	1K 1/10W[M]	R847	ERDS2TJ104T	100K 1/4W [M]	C31	RCBS1H102KBY	1000P 50V [M]	C301	ECEA1HN2R2SB	2.2 50V [M]
R721	ERJ6GEYJ101V	100 1/10W[M]	R848	ERDS2TG103T	10K 1/4W [M]	C32	ECBT1H101KB5	100P 50V [M]	C303	ECBT1C103MS5	0.01 16V [M]
R722	ERJ6GEYJ563V	56K 1/10W[M]	R856	ERDS2TG103T	10K 1/4W [M]	C33	ECBT1H101KB5	100P 50V [M]	C305	ECQP1821JZT	820P 100V [M]
R723	ERJ6GEYJ182V	1.8K 1/10W[M]	R857	ERDS2TG103T	10K 1/4W [M]	C34	ECBT1H680J5	68P 50V [M]	C306	ECQP2A472JZT	4700P 100V [M]
R724	ERJ6GEYJ333V	33K 1/10W[M]	R859	ERDS2TJ102T	1K 1/4W [M]	C35	ECBT1H1R5M5	1.5P 50V [M]	C307	ECEA1HKA010B	1 50V [M]
R725	ERJ6GEYJ472V	4.7K 1/10W[M]	R860	ERDS2TJ102T	1K 1/4W [M]	C36	RCBS1H102KBY	1000P 50V [M]	C308	ECEA1AU101B	100 10V [M]
R726	ERJ6GEYJ473V	47K 1/10W[M]	R861	ERDS2TJ122T	1.2K 1/4W [M]	C37	RCBS1H102KBY	1000P 50V [M]	C309	ECQV1H473JZ3	0.047 50V [M]
R727	ERJ6GEYJ822V	8.2K 1/10W[M]	R862	ERDS2TJ182T	1.8K 1/4W [M]	C38	ECBT1H331KB5	330P 50V [M]	C310	ECBT1H102KB5	1000P 50V [M]
R728	ERJ6GEYJ103V	10K 1/10W[M]	R863	ERDS2TJ222T	2.2K 1/4W [M]	C39	ECBT1C103MS5	0.01 16V [M]	C311	ECBT1H102KB5	1000P 50V [M]
R731	ERJ6GEYJ822V	8.2K 1/10W[M]	R864	ERDS2TJ272T	2.7K 1/4W [M]	C40	ECBT1C103MS5	0.01 16V [M]	C312	ECBT1C222MR5	2200P 16V [M]
R734	ERJ6GEYJ101V	100 1/10W[M]	R865	ERDS2TJ392T	3.9K 1/4W [M]	C44	ECEA1AU101B	100 10V [M]	C313	ECBT1C222MR5	2200P 16V [M]
R735	ERJ6GEYJ101V	100 1/10W[M]	R866	ERDS2TJ682T	6.8K 1/4W [M]	C47	ECFR1C223MR	0.022 16V [M]	C314	ECBT1C332MR5	3300P 16V [M]
R736	ERJ6GEYJ101V	100 1/10W[M]	R867	ERDS2TJ103T	10K 1/4W [M]	C48	ECEA0J101B	100 6.3V [M]	C315	ECEA0JKA470B	47 6.3V [M]
R738	ERJ6GEYJ223V	22K 1/10W[M]	R868	ERDS2TJ183T	18K 1/4W [M]	C51	ECEA1HKA010B	1 50V [M]	C317	ECEA1CKA100B	10 16V [M]
R741	ERJ6GEYJ562V	5.6K 1/10W[M]	R952	ERDS2TJ821T	820 1/4W [M]	C52	ECFR1C473MR	0.047 16V [M]	C318	ECFR1C473MR	0.047 16V [M]
R742	ERJ6GEYJ562V	5.6K 1/10W[M]	R953	ERDS2TJ393T	39K 1/4W [M]	C60	ECEA1AKA220B	22 10V [M]	C319	ECEA1HKA0R1B	0.1 50V [M]
R743	ERJ6GEYJ562V	5.6K 1/10W[M]	R972	ERDS2TJ821T	820 1/4W [M]	C61	ECBT1C332MR5	3300P 16V [M]	C320	ECEA1AKA470B	47 10V [M]
R744	ERJ6GEYJ103V	10K 1/10W[M]	R973	ERDS2TJ393T	39K 1/4W [M]	C62	RCBS1H102KBY	1000P 50V [M]	C321	ECEA1AKA101B	100 10V [M]
R745	ERJ6GEYJ155V	1.5M 1/10W[M]	R1001	ERDS2TJ102T	1K 1/4W [M]	C63	ECBT1H681KB5	680P 50V [M]	C322	ECEA1CKA100B	10 16V [M]
R748	ERJ6GEYJ182V	1.8K 1/10W[M]	R1002	ERDS2TJ102T	1K 1/4W [M]	C67	ECFR1C223MR	0.022 16V [M]	C323	ECEA0JKA470B	47 6.3V [M]
R749	ERJ6GEYJ682V	6.8K 1/10W[M]	R1003	ERDS2TJ122T	1.2K 1/4W [M]	C68	ECEA1HKA010B	1 50V [M]	C324	ECEA1HKA0R1B	0.1 50V [M]
R750	ERJ6GEYJ473V	47K 1/10W[M]	R1004	ERDS2TJ182T	1.8K 1/4W [M]	C69	ECFR1C183KR	0.018 16V [M]	C325	ECBT1H471KB5	470P 50V [M]
R751	ERJ6GEYJ473V	47K 1/10W[M]	R1005	ERDS2TJ222T	2.2K 1/4W [M]	C70	ECFR1C183KR	0.018 16V [M]	C326	ECBT1H471KB5	470P 50V [M]
R752	ERJ6GEYJ220V	22 1/8W [M]	R1006	ERDS2TJ272T	2.7K 1/4W [M]	C71	ECEA1HKA2R2B	2.2 50V [M]	C327	ECBT1H471KB5	470P 50V [M]
R770	ERJ6GEYJ155V	1.5M 1/10W[M]	R1007	ERDS2TJ392T	3.9K 1/4W [M]	C72	ECEA1HKA010B	1 50V [M]	C329	ECEA1AKA470B	47 10V [M]
R771	ERJ6GEYJ155V	1.5M 1/10W[M]	R1008	ERDS2TJ682T	6.8K 1/4W [M]	C74	ECBT1H471KB5	470P 50V [M]	C330	ECEA1CKA100B	10 16V [M]
R772	ERJ6GEYJ273V	27K 1/10W[M]	R1009	ERDS2TJ103T	10K 1/4W [M]	C75	ECEA1HKA010B	1 50V [M]	C331	ECBT1H102KB5	1000P 50V [M]
R801	ERDS2TJ332T	3.3K 1/4W [M]	R1010	ERDS2TJ102T	1K 1/4W [M]	C76	ECEA1HKA010B	1 50V [M]	C333	ECBT1H471KB5	470P 50V [M]
R802	ERDS2TJ332T	3.3K 1/4W [M]	R1011	ERDS2TJ102T	1K 1/4W [M]	C77	ECEA1HKA010B	1 50V [M]	C334	ECEA1CKA100B	10 16V [M]
R803	ERDS2TJ333T	33K 1/4W [M]	R1012	ERDS2TJ122T	1.2K 1/4W [M]	C80	ECBT1H331KB5	330P 50V [M]	C335	ECBT1H471KB5	470P 50V [M]
R804	ERDS2TJ823T	82K 1/4W [M]	R1013	ERDS2TJ182T	1.8K 1/4W [M]	C81	ECBT1H331KB5	330P 50V [M]	C336	ECBT1H471KB5	470P 50V [M]
R805	ERDS2TJ823T	82K 1/4W [M]	R1014	ERDS2TJ222T	2.2K 1/4W [M]	C82	ECBT1H150JC5	15P 50V [M]	C337	ECBT1H471KB5	470P 50V [M]
R806	ERDS2TJ104T	100K 1/4W [M]	R1015	ERDS2TJ272T	2.7K 1/4W [M]	C83	ECBT1H331KB5	330P 50V [M]	C401	ECBT1H221KB5	220P 50V [M]
R807	ERDS2TJ105T	1M 1/4W [M]				C84	ECBT1C103MS5	0.01 16V [M]	C402	ECEA1CKA100B	10 16V [M]
R808	ERDS2TJ222T	2.2K 1/4W [M]			CAPACITORS	C85	ECBT1C103MS5	0.01 16V [M]	C403	ECEA1CKA100B	10 16V [M]
R809	ERDS2TJ334T	330K 1/4W [M]				C86	ECBT1H331KB5	330P 50V [M]	C404	ECEA1HKA0R1B	0.1 50V [M]
R810	ERDS2TJ102T	1K 1/4W [M]	C3	ECFR1C473MR	0.047 16V [M]	C87	ECBT1C103MS5	0.01 16V [M]	C405	ECFR1C473MR	0.047 16V [M]
R811	ERDS2TJ102T	1K 1/4W [M]	C4	RCBS1H102KBY	1000P 50V [M]	C88	ECBT1C103MS5	0.01 16V [M]	C406	ECFR1C103MR	0.01 16V [M]
R812	ERDS2TJ472T	4.7K 1/4W [M]	C5	ECBT1H2R2KC5	2.2P 50V [M]	C89	ECBT1H101KB5	100P 50V [M]	C409	ECEA1HKA010B	1 50V [M]
R813	ERDS2TJ472T	4.7K 1/4W [M]	C6	RCBS1H102KBY	1000P 50V [M]	C101	ECBT1H471KB5	470P 50V [M]	C411	ECBT1H471KB5	470P 50V [M]
R814	ERDS2TJ472T	4.7K 1/4W [M]	C9	ECEA1HKN010B	1 50V [M]	C102	ECBT1H471KB5	470P 50V [M]	C413	ECA1AM222E	2200 10V [M]
R815	ERDS2TJ472T	4.7K 1/4W [M]	C10	ECBT1C332MR5	3300P 16V [M]	C103	ECEA0JKA470B	47 6.3V [M]	C418	ECEA1HKA2R2B	2.2 50V [M]
R816	ERDS2TJ472T	4.7K 1/4W [M]	C11	ECEA1AU101B	100 10V [M]	C104	ECFR1C183KR	0.018 16V [M]	C419	ECEA1CKA100B	10 16V [M]
R817	ERDS2TJ472T	4.7K 1/4W [M]	C12	ECFR1C223MR	0.022 16V [M]	C105	ECEA1EKA4R7B	4.7 25V [M]	C421	ECFR1C223MR	0.022 16V [M]
R818	ERDS2TJ472T	4.7K 1/4W [M]	C13	ECFR1C103MR	0.01 16V [M]	C106	ECBT1H471KB5	470P 50V [M]	C422	ECBT1C103MS5	0.01 16V [M]
R819	ERDS2TJ124T	120K 1/4W [M]	C14	ECBT1C103MS5	0.01 16V [M]	C107	ECEA1HKA010B	1 50V [M]	C423	ECEA1CKA100B	10 16V [M]
R820	ERDS2TJ472T	4.7K 1/4W [M]	C15	ECBT1H3R9KC5	3.9P 50V [M]	C108	ECEA1HKA010B	1 50V [M]	C424	ECEA1CKA100B	10 16V [M]
R821	ERDS2TJ223T	22K 1/4W [M]	C16	RCBS1H102KBY	1000P 50V [M]	C109	ECEA1EKA4R7B	4.7 25V [M]	C425	ECBT1H471KB5	470P 50V [M]
R822	ERDS2TJ472T	4.7K 1/4W [M]	C17	RCBS1H102KBY	1000P 50V [M]	C110	ECEA1EKA4R7B	4.7 25V [M]	C427	ECBT153MS5	0.015 6.3V [M]
R823	ERDS2TJ472T	4.7K 1/4W [M]	C18	ECBT1H200JC5	20P 50V [M]	C111	ECBT1H331KB5	330P 50V [M]	C430	ECBT1H470J5	47P 50V [M]
R824	ERDS2TJ103T	10K 1/4W [M]	C19	ECBT1H220JC5	22P 50V [M]	C201	ECBT1H471KB5	470P 50V [M]	C431	ECBT1H470J5	47P 50V [M]
R825	ERDS2TJ103T	10K 1/4W [M]	C20	RCBS1H102KBY	1000P 50V [M]	C202	ECBT1H471KB5	470P 50V [M]	C501	ECBT1H221KB5	220P 50V [M]
R826	ERDS2TJ474T	470K 1/4W [M]	C21	ECEA1AKA010B	100 10V [M]	C203	ECEA0JKA470B	47 6.3V [M]	C502	ECEA1CKA100B	10 16V [M]
R827	ERDS2TJ104T	100K 1/4W [M]	C22	RCBS1H102KBY	1000P 50V [M]	C204	ECFR1C183KR	0.018 16V [M]	C503	ECEA1CKA100B	10 16V [M]
R829	ERDS2TJ104T	100K 1/4W [M]	C23	RCBS1H102KBY	1000P 50V [M]	C205	ECEA1EKA4R7B	4.7 25V [M]	C504	ECEA1HKA0R1B	0.1 50V [M]
R830	ERDS2TJ104T	100K 1/4W [M]	C24	RCBS1H102KBY	1000P 50V [M]	C206	ECBT1H471KB5	470P 50V [M]	C505	ECFR1C473MR	0.047 16V [M]
R831	ERDS2TJ102T	1K 1/4W [M]	C25	ECBT1H150JC5	15P 50V [M]	C207	ECEA1HKA010B	1 50V [M]	C506	ECFR1C103MR	0.01 16V [M]
R835	ERDS2TJ103T	10K 1/4W [M]	C26	ECBT1H6R8KC5	6.8P 50V [M]	C208	ECEA1HKA010B	1 50V [M]	C509	ECEA1HKA010B	1 50V [M]

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
C511	ECBT1H471KB5	470P 50V [M]	C622	ECEA1HKA010B	1 50V [M]	C721	ECUV1H150JCN	15P 50V [M]	C801	ECBT1H102KB5	1000P 50V [M]
C513	ECA1AM222E	2200 10V [M]▲	C623	ECBT1H221KB5	220P 50V [M]	C722	ECUV1H150JCN	15P 50V [M]	C802	ECBT1H102KB5	1000P 50V [M]
C518	ECEA1HKA2R2B	2.2 50V [M]	C624	ECBT1H221KB5	220P 50V [M]	C723	ECEA1AKA221I	220 10V [M]	C803	ECBT1H102KB5	1000P 50V [M]
C519	ECEA1CKA100B	10 16V [M]	C625	ECEA1AKA101B	100 10V [M]	C724	ECUV1C104MBM	0.1 16V [M]	C804	ECEA0JKS101B	100 6.3V [M]
C521	ECFR1C223MR	0.022 16V [M]	C627	ECBT1H221KB5	220P 50V [M]	C725	ECUV1H102KBN	1000P 50V [M]	C805	ECBT1H102KB5	1000P 50V [M]
C522	ECBT1C103MS5	0.01 16V [M]	C628	ECEA1CKA100B	10 16V [M]	C726	ECUV1H102KBN	1000P 50V [M]	C806	ECBT1C103MS5	0.01 16V [M]
C523	ECEA1CKA100B	10 16V [M]	C629	ECBT1H102KB5	1000P 50V [M]	C727	ECEA1HPK010I	1 50V [M]	C807	ECBT1H390J5	39P 50V [M]
C524	ECEA1CKA100B	10 16V [M]	C630	ECBT1H221KB5	220P 50V [M]	C728	ECEA1HPK010I	1 50V [M]	C808	ECBT1H470J5	47P 50V [M]
C525	ECBT1H471KB5	470P 50V [M]	C631	ECBT1H471KB5	470P 50V [M]	C730	ECUZNE104MBN	0.1 25V [M]	C809	ECBT1H220JC5	22P 50V [M]
C527	ECBT0J153MS5	0.015 6.3V [M]	C633	ECBT1H470J5	47P 50V [M]	C731	ECEA0JKA221I	220 6.3V [M]	C810	ECBT1H560J5	56P 50V [M]
C530	ECBT1H470J5	47P 50V [M]	C635	ECEA1AU101B	100 10V [M]	C732	ECEA0JKA221I	220 6.3V [M]	C813	ECBT1H180JC5	18P 50V [M]
C531	ECBT1H470J5	47P 50V [M]	C636	ECEA1HKAR47B	0.47 50V [M]	C733	ECUZNE104MBN	0.1 25V [M]	C814	ECBT1H220JC5	22P 50V [M]
C601	ECEA1HKA010B	1 50V [M]	C701	ECEA0JKA330I	33 6.3V [M]	C734	ECEA1AKA221I	220 10V [M]	C815	ECBT1H561KB5	560P 50V [M]
C602	ECEA1CKA100B	10 16V [M]	C702	ECUZNE104MBN	0.1 25V [M]	C735	ECUZNE104MBN	0.1 25V [M]	C816	ECBT1H561KB5	560P 50V [M]
C603	ECBT1H101KB5	100P 50V [M]	C703	ECEA0JKA101I	100 6.3V [M]	C736	ECUZNE104MBN	0.1 25V [M]	C817	ECBT1H561KB5	560P 50V [M]
C604	ECEA1CU220B	22 16V [M]	C704	ECUZNE104MBN	0.1 25V [M]	C737	ECUZNE104MBN	0.1 25V [M]	C818	ECBT1H561KB5	560P 50V [M]
C605	ECEA1CKA100B	10 16V [M]	C705	ECUZNE104MBN	0.1 25V [M]	C738	ECUV1C154KBN	0.15 16V [M]	C821	ECEA0JKA470B	47 6.3V [M]
C606	ECBT1H102KB5	1000P 50V [M]	C706	ECUV1H272KBN	2700P 50V [M]	C742	ECUV1E273KBN	0.027 25V [M]	C822	ECBT1H561KB5	560P 50V [M]
C607	ECEA1CKA100B	10 16V [M]	C707	ECUV1E273KBN	0.027 25V [M]	C743	ECUZNE104MBN	0.1 25V [M]	C823	ECBT1H561KB5	560P 50V [M]
C610	RCE1CU101BT	100P 16V [M]	C708	ECUV1H472KBN	4700P 50V [M]	C744	ECUV1E822KBN	8200P 25V [M]	C824	ECBT1H102KB5	1000P 50V [M]
C611	ECBT1H221KB5	220P 50V [M]	C709	ECUV1C473KBN	0.047 16V [M]	C745	ECUV1C473MBN	0.047 16V [M]	C827	ECBT1H561KB5	560P 50V [M]
C612	ECEA0JU101B	100 6.3V [M]	C710	ECUV1H182KBN	1800P 50V [M]	C747	ECUV1H222KBN	2200P 50V [M]	C828	ECBT1H561KB5	560P 50V [M]
C613	ECBT1H471KB5	470P 50V [M]	C711	ECUZNE104MBN	0.1 25V [M]	C748	ECUV1H471KBM	470P 50V [M]	C901	ECKR1H103ZF5	0.01 50V [M]
C614	ECEA1AU101B	100 10V [M]	C712	ECUZNE104MBN	0.1 25V [M]	C749	ECUZNE104MBN	0.1 25V [M]	C902	ECKR1H103ZF5	0.01 50V [M]
C615	ECEA0JKA220B	22 6.3V [M]	C713	ECUV1C104MBM	0.1 16V [M]	C751	ECUZNE104MBN	0.1 25V [M]	C903	ECKR1H103ZF5	0.01 50V [M]
C616	ECA1EM332E	3300 25V [M]▲	C714	ECEA0JKA101I	100 6.3V [M]	C752	ECUV1H152KBN	1500P 50V [M]	C904	ECKR1H103ZF5	0.01 50V [M]
C618	RCE1AU221BT	220P 10V [M]	C716	ECUV1H561KBN	560P 50V [M]	C753	ECUV1H471KBM	470P 50V [M]	C905	ECKR1H101KB5	100P 50V [M]
C619	ECEA1CKA100B	10 16V [M]	C717	ECUZNE104MBN	0.1 25V [M]	C754	ECUV1H471KBN	470P 50V [M]	C1301	ECEA1CU100	10 16V [M]
C620	ECEA1CKA100B	10 16V [M]	C718	ECUV1C224KBN	0.22 16V [M]	C790	ECA1AKF820E	82 10V [M]			

Packing Materials & Accessories

Notes: * Important safety notice:

Components identified by ▲ 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 these components, be sure to use only manufacturer's specified parts shown in the parts list.

* The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area)

Parts without these indications can be used for all areas.

* The "(SF)" mark denotes the standard part.

* [M] Indicates in the Remarks columns indicates parts supplied by MESA.

* Remote Control Unit : Supply period for three years from terminal of production.

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS				ACCESSORIES		A2	RFKSXED77GCK	O/I BOOK ASS'Y	[M]
P1	RP3197	GIFT BOX	[M]					A3	RJA0019-2K	AC CORD (SF)	[M]▲
P2	RPH0177	MIRAMAT SHEET	[M]	A1	EUR643826	REMOCON	[M]	A4	SJP5213-2	AC CORD ADAPTOR	[M]
P3	RPN1013	POLYFOAM	[M]	A1-1	UR64EC1638-1	REM/CON BATT. COVER	[M]				

■ Packaging

P3 (RPN1013) — P3 (A)
P3 (B)
P3 (C)
P3 (D)

