

Service Manual

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Order No. MD0105119C1

A2

Service Manual

AV Control Stereo Receiver



- SA-DA15

Color

(K) ... Black Type

(N) ... Gold Type

PP ... U.S.A. and Canada



FM Tuner Section

| | |
|---------------------------------------|---------------------------------|
| Frequency range | 87.9-107.9 MHz |
| Sensitivity | 11.2 dBf (2 μ V, IHF '58) |
| 50 dB quieting sensitivity | |
| MONO | 18.3 dBf (4.5 μ V, IHF '58) |
| STEREO | 38.3 dBf (45 μ V, IHF '58) |
| Total harmonic distortion | |
| MONO | 0.2% |
| STEREO | 0.3% |
| S/N | |
| MONO | 73 dB |
| STEREO | 67 dB |
| Frequency response | 20 Hz-15 kHz,+1 dB, -2 dB |
| Alternate channel selectivity | 65 dB |
| Capture ratio | 1.5 dB |
| Image rejection at 98 MHz | 40 dB |
| Spurious response rejection at 98 MHz | 75 dB |
| AM suppression | 50 dB |
| Stereo separation | |
| 1 kHz | 40 dB |
| 10 kHz | 30 dB |
| Antenna terminal | 75 Ω (unbalanced) |

AM Tuner Section

| | |
|----------------------------|---------------------------|
| Frequency range | 530-1710 kHz |
| Sensitivity | 20 μ V, 330 μ V/m |
| Selectivity | 55 dB |
| IF rejection (at 1000 kHz) | 50 dB |

Video Section

| | |
|--|------------------|
| Output voltage at 1 V input (unbalanced) | 1 \pm 0.1 Vp-p |
| Maximum input voltage | 1.5 Vp-p |
| Input/output impedance | 75 Ω |

Amplifier Section

| | |
|--|-----------------------------------|
| Rated minimum sine wave RMS power output | |
| 20 Hz-20 kHz both channels driven | |
| 0.05% total harmonic distortion | 100 W per channel (6 Ω) |
| 1 kHz continuous power output both channels driven | |
| 0.05% total harmonic distortion | 105 W per channel (6 Ω) |
| Total harmonic distortion | |
| rated power at 20 Hz-20 kHz | 0.05% (6 Ω) |
| half power at 1 kHz | 0.03% (6 Ω) |
| Power bandwidth | |
| both channels driven, -3 dB | 10 Hz-100 kHz (6 Ω , 0.9%) |
| Power output at the DVD 6CH operation | |
| 20 Hz-20 kHz (each channels driven) | |
| 0.05% total harmonic distortion | |
| Front | 2 x 100 W (6 Ω) |
| Center | 100 W (6 Ω) |
| Surround | 2 x 100 W (6 Ω) |
| Low frequency damping factor | 30 (6 Ω) |
| Load impedance | |

| | |
|---|--|
| Front | |
| A or B | 4 - 8Ω |
| A and B | 8Ω |
| BI-WIRE | 6 - 8Ω |
| Center | 6 - 8Ω |
| Surround | 6 - 8Ω |
| Frequency response | |
| PHONO | RIAA standard curve±0.8 dB |
| CD, DVD, TV, VCR1, VCR2, VCR3, TAPE | 10 Hz-100 kHz±3 dB |
| Input sensitivity | |
| PHONO | 0.4 mV (3 mV, IHF'66) |
| CD, DVD, TV, VCR1, VCR2, VCR3, TAPE | 27 mV (200 mV, IHF'66) |
| S/N (IHF A) (VGCA ON) | |
| PHONO | 80 dB (80 dB, IHF'66) |
| CD, DVD (L/R/C/LS/RS), TV, VCR1, VCR2, VCR3, TAPE | 113 dB (IHF A, Rated Power, S=2 V) |
| | 90 dB (100 dB, IHF'66) |
| Input impedance | |
| PHONO | 47 kΩ |
| CD, DVD, TV, VCR1, VCR2, VCR3, TAPE | 22 kΩ |
| Tone controls | |
| BASS | 50 Hz,+10 to -10 dB |
| TREBLE | 20 kHz,+10 to -10 dB |
| Subwoofer frequency response (-6 dB) | 7 - 200 Hz |
| General | |
| Power supply | AC 120 V, 60 Hz |
| Power consumption | 400 VA 3 10 W |
| Dimensions (W x H x D) | 430 x 158 x 370 mm (16-15/16" x 6-7/32" x 14-9/16") |
| Mass | 11.7 kg (25.8 lb.) |
| Power consumption in standby mode: | 1 W |
| DIN POWER (1 kHz T.H.D. 1%) | 2 X 100W (6Ω) |
| Notes: | |

- Specifications are subject to change without notice./Mass and dimensions are approximate.
- Total harmonic distortion is measured by the digital spectrum analyzer.

* Manufactured under license from Dolby Laboratories."Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

** Manufactured under license from Digital Theater System."DTS" and "DTS Digital Surround" are trademarks of Digital Theater System.

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WARNING

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

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1 Safety Precaution

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(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 screw heads, 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.

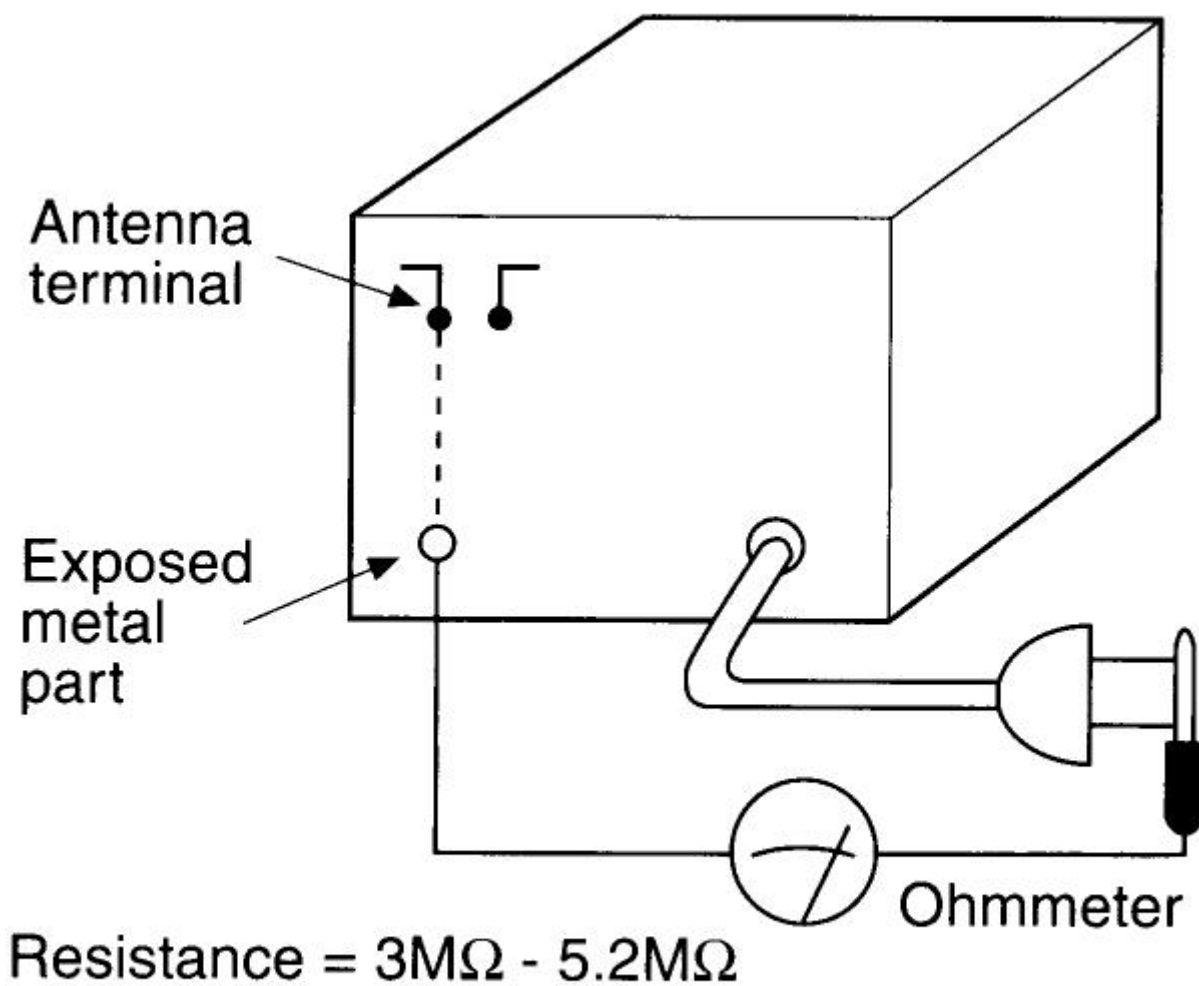


Fig. 1

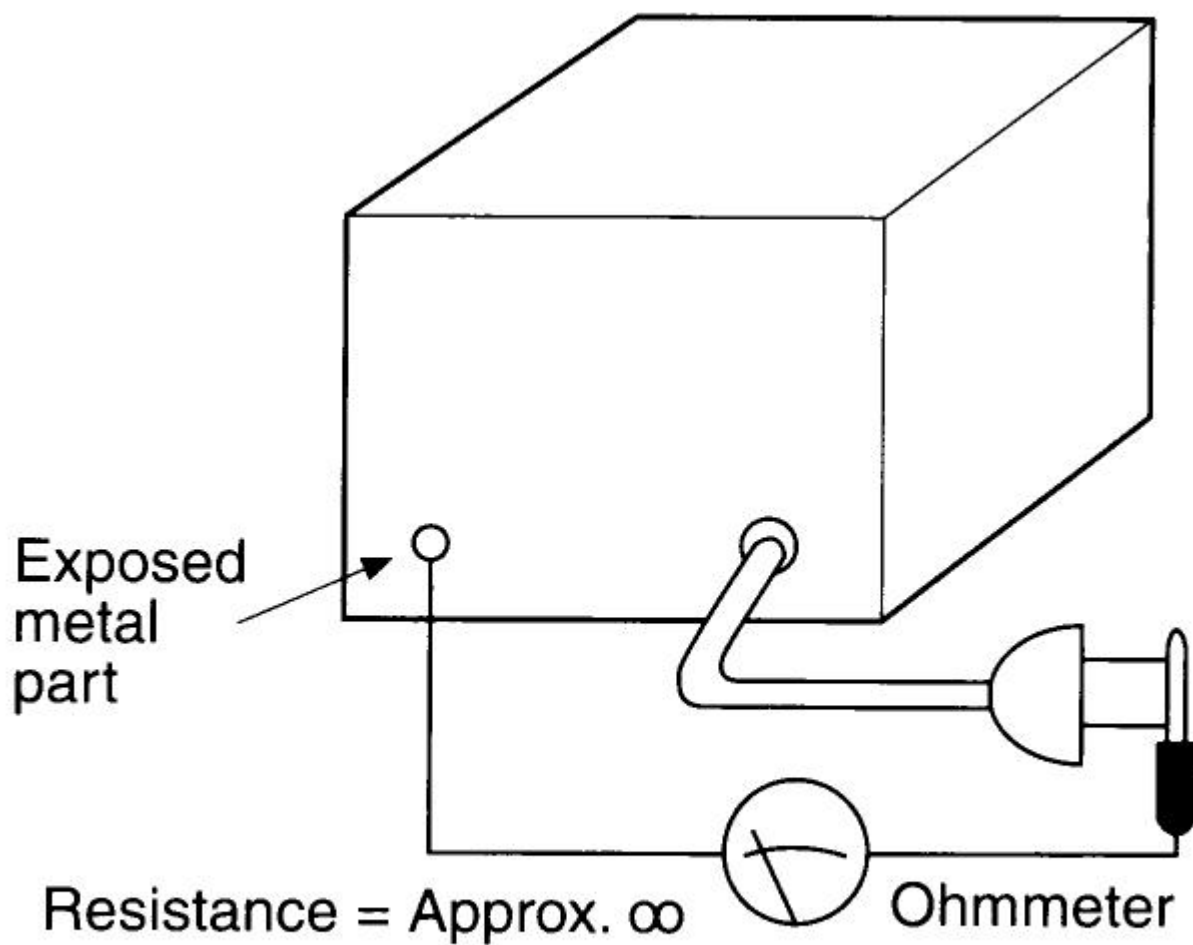


Fig. 2

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2 Before Repair and Adjustment

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Disconnect AC power, discharge Power Supply Capacitors C1702, C703~C706, C742, C901, C904 through a 10 Ω , 5 W resistor to ground. DO NOT SHORT-CIRCUIT DIRECTLY (with a screw driver blade, for instance), as this may destroy solid state devices.

After repairs are completed, restore power gradually using a variac, to avoid over current.

Current consumption at AC 120 V, 60 Hz in NO SIGNAL mode should be 450~1000 mA.

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3 Protection Circuitry

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The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.
- Stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are “shorted”, or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.

If this occurs, follow the procedure outlines below:

1. Turn off the power.
2. Determine the cause of the problem and correct it.
3. Turn on the power once again after one minute.

Note:

When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

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4 Accessories

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AC power supply cord... 1 pc.



AM Loop Antenna Set/... 1 set.



FM Indoor Antenna... 1 pc.



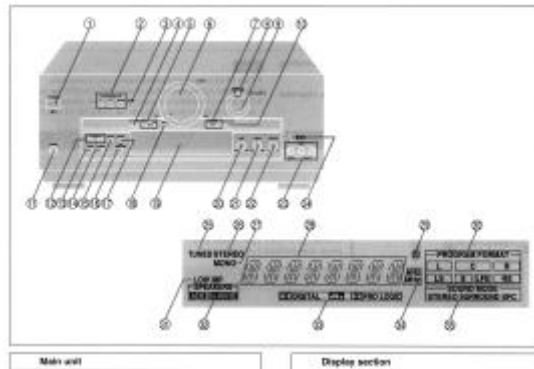
Remote Control/Transmitter... 1 pc.



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5.1 Front Panel

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- | Main unit | Display section |
|---|--|
| 1 Standby indicator [POWER, 0/E] Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power. | 26 Tuner indicator [TUNED] |
| 2 Speaker select buttons [SPEAKERS, A, B, B+WE] 3 Sleep indicator [SLEEP] | 27 Stereo indicator [STEREO] |
| 4 DSD 8ch input select button [DSD 8CH INPUT] | 28 Mono indicator [MONO] |
| 5 PDSM button/indicator [PDSM, ON] | 29 Memory indicator [MEM] |
| 6 Volume control [VOLUME] | 30 Program format indicators [PROGRAM FORMATS: L, C, R, L.S, S, L.F, R.F] |
| 7 Tape monitor button/indicator [TAPE MONITOR] | 31 Signal format indicators [SIGNAL FORMATS: S, B, SURROUND] |
| 8 Digital input indicator [DIGITAL] | 32 Frequency unit indicators [kHz, MHz] |
| 9 Input selector [INPUT SELECTOR] | 33 DSP sound mode indicators [SOUND MODES: STEREO, SURROUND, SFC] |
| 10 Digital input select button [DIGITAL INPUT] | |
| 11 Frequency push [FREQ] | |
| 12 Tuning buttons [TUNING, V, /] | |
| 13 Band select button [BAND] | |
| 14 FM mode select button [FM MODE] | |
| 15 Preset channel button [PRESET] | |
| 16 DSP sound mode select button [DSP SOUND MODE] | |
| 17 Memory button [MEMORY] | |
| 18 Mix tone indicator [MIX TONE] | |
| 19 Display section | |
| 20 Bass control [BASS] | |
| 21 Treble control [TREBLE] | |
| 22 Balance control [BALANCE] | |
| 23 VCR 1 remote [VCR 1] | |
| 24 VCR 2 remote [VCR 2] | |
| 25 VCR 3 remote [VCR 3] | |

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5.2 Remote Control

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5 Front Panel Controls

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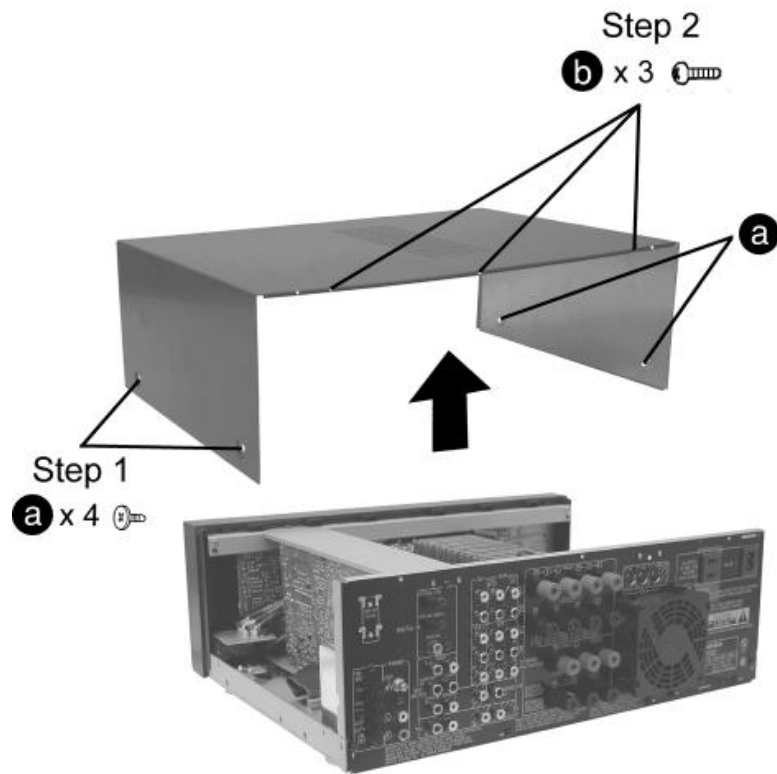
[5.1 Front Panel](#)

[5.2 Remote Control](#)

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6.1 Disassembly Procedure for each major P.C.B.

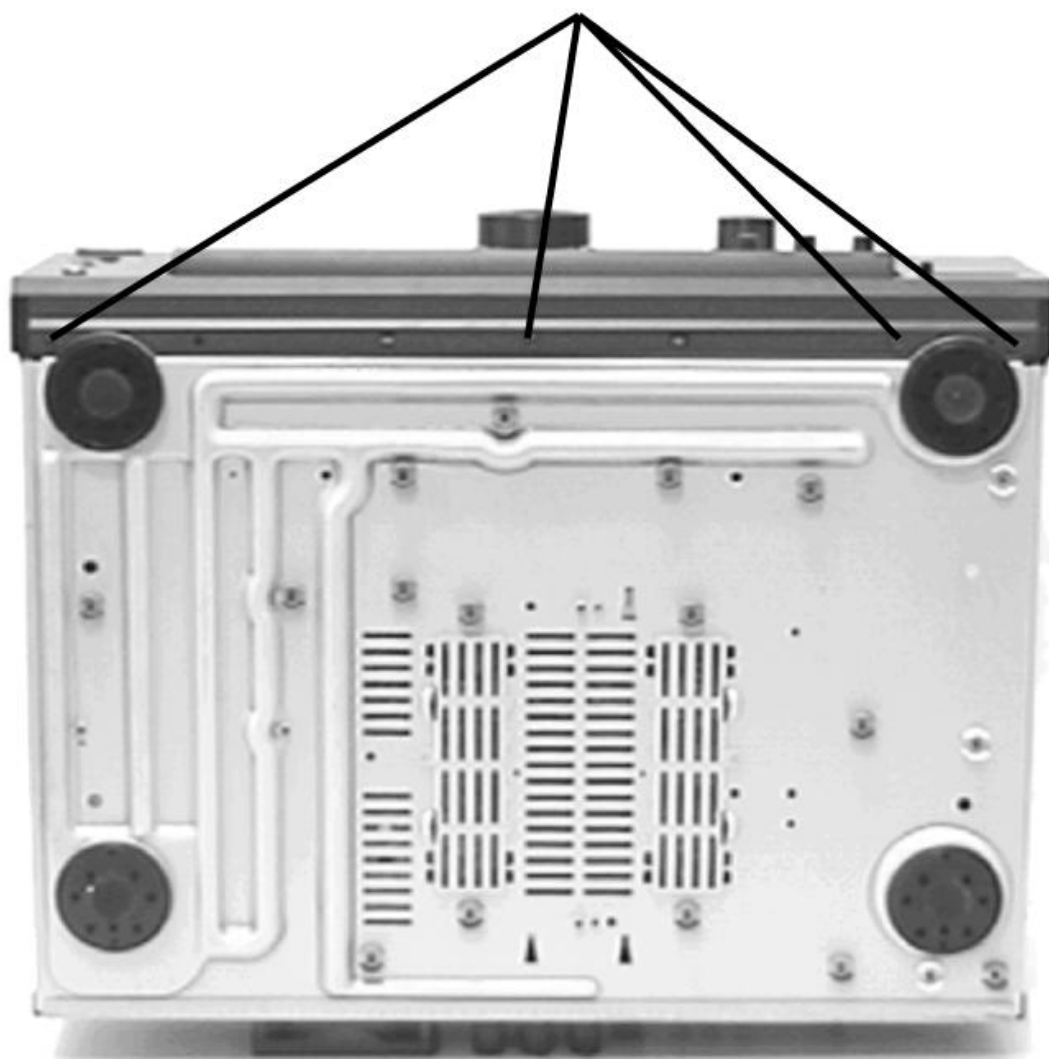
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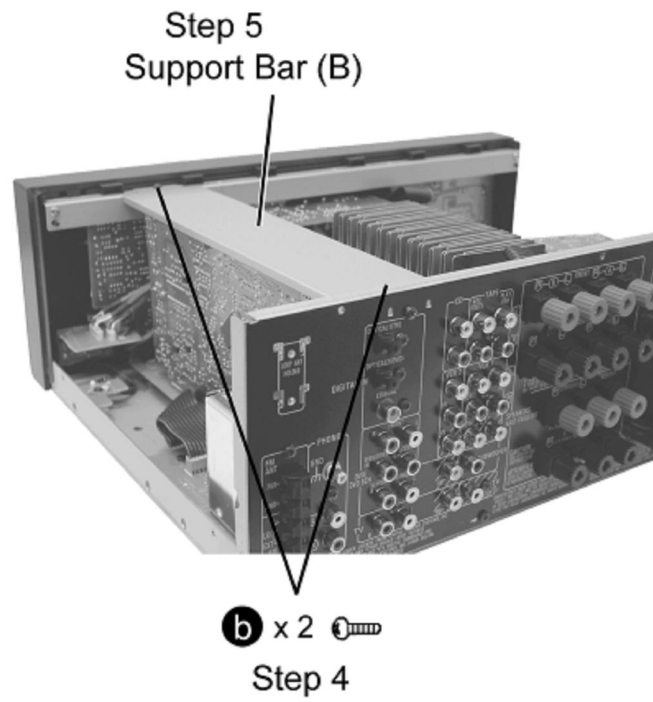
Step 1 & Step 2 Unscrew and remove top cabinet as shown.

Step 3

b x 4 

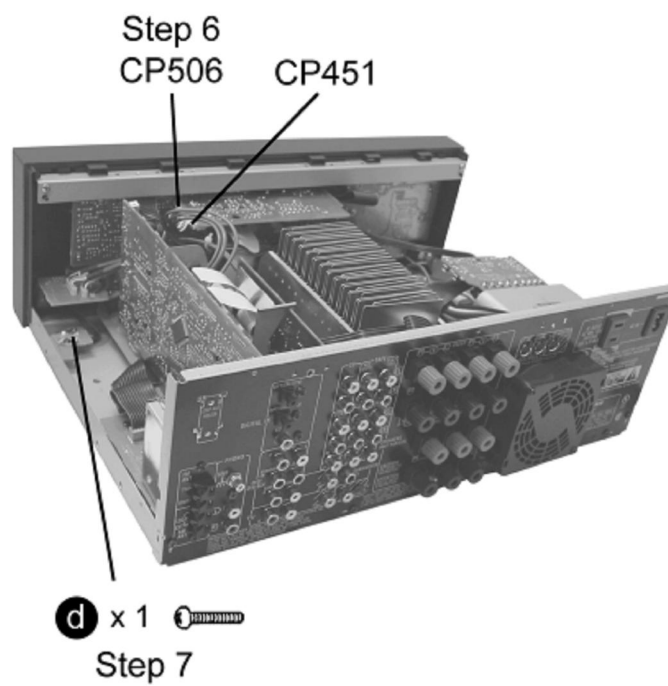


Step 3 Remove all the screws.



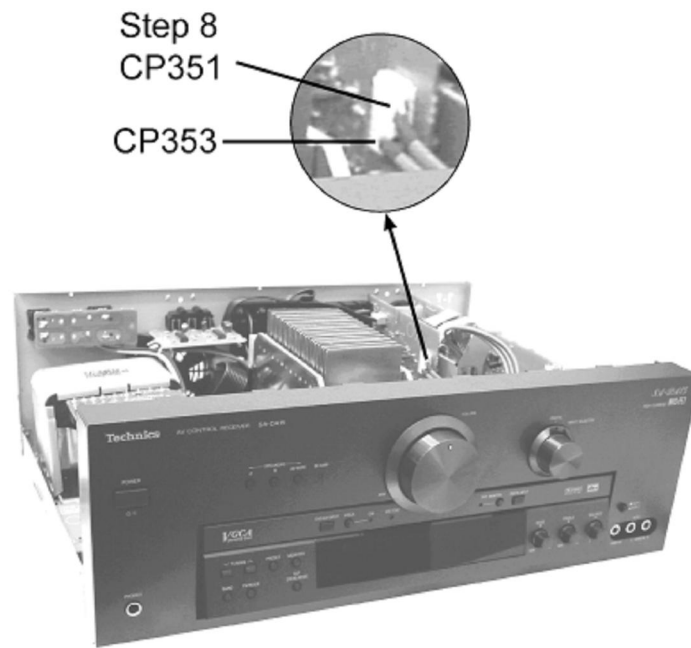
Step 4 Remove the screws.

Step 5 Remove the support bar (B).

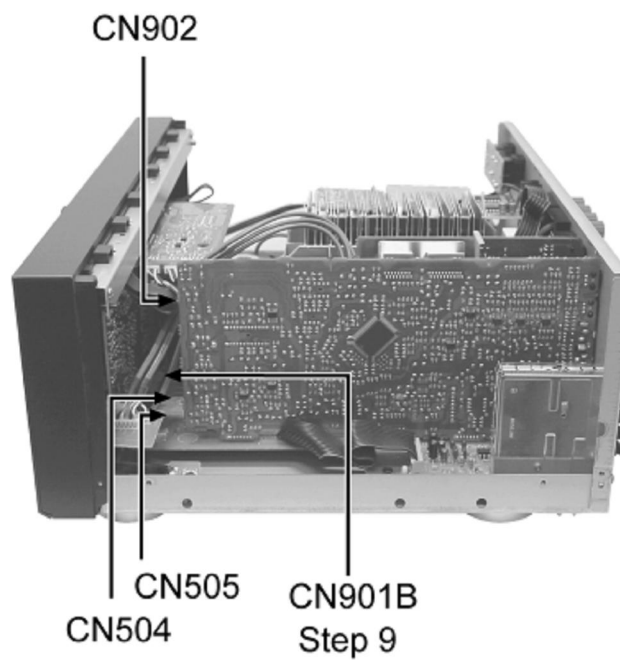


Step 6 Release the connectors CP506 and CP451.

Step 7 Remove the screw.

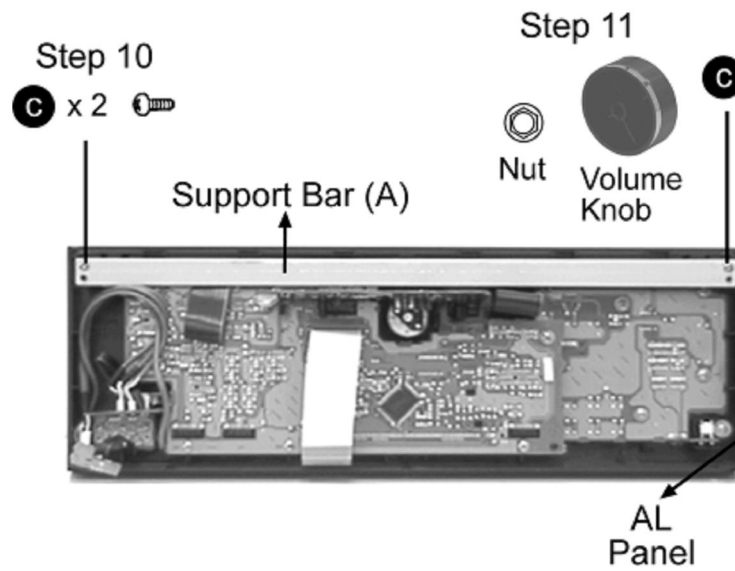


Step 8 Release the connector CP351 and CP353.



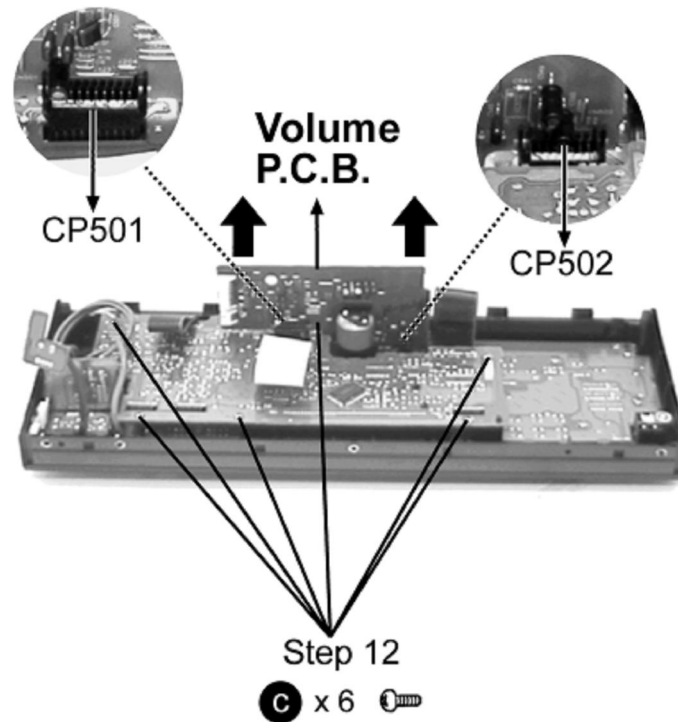
Step 9 Release the flat cable from CN901B.

Take note of CN504, CN505 and CN902.



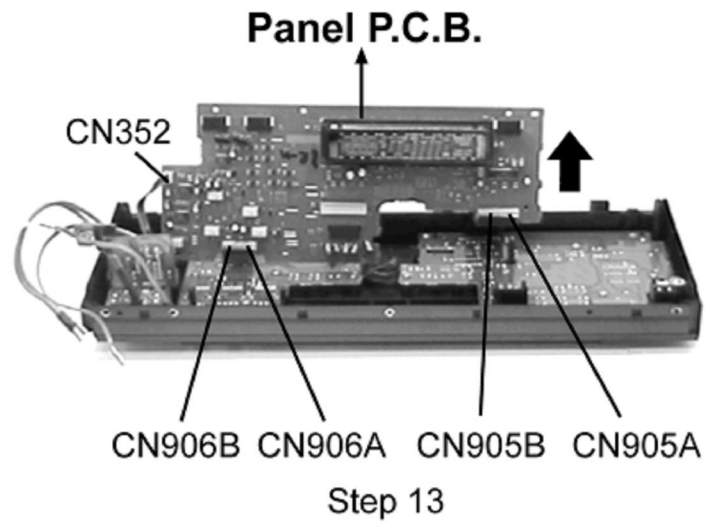
Step 10 Remove all the screws and support bar (A).

Step 11 Unscrew the nut from AL Panel and remove the Volume Knob.

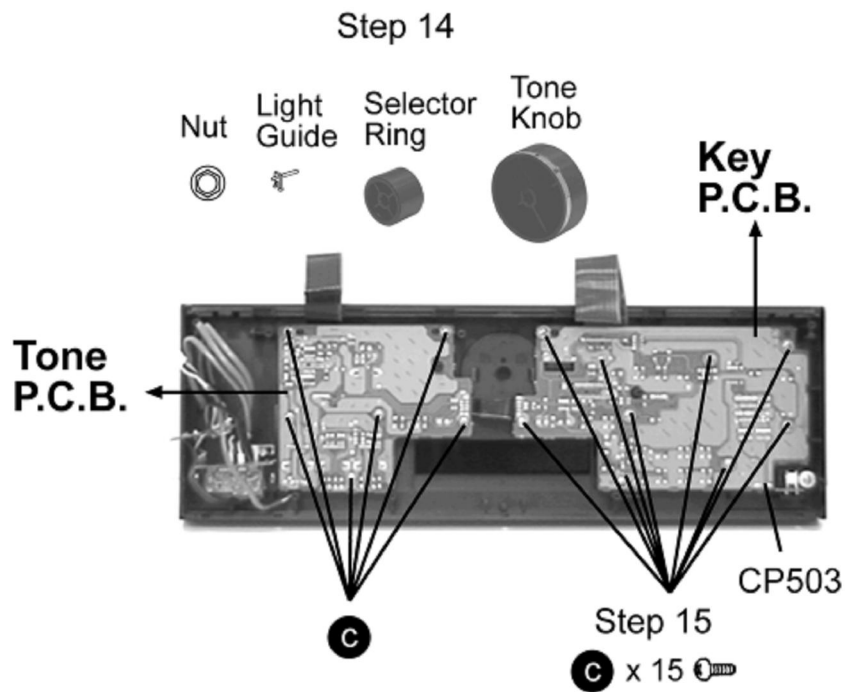


Step 12 Remove all the screws and pull the Volume P.C.B. up as shown.

Take note of CP501 and CP502.

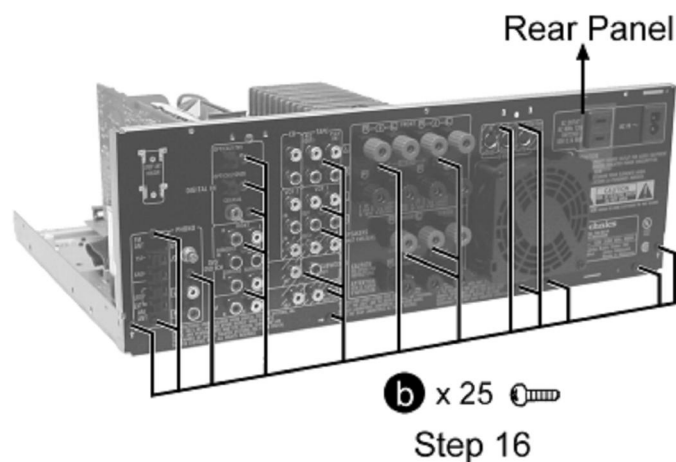


Step 13 Lift up Panel P.C.B. and remove all connectors.

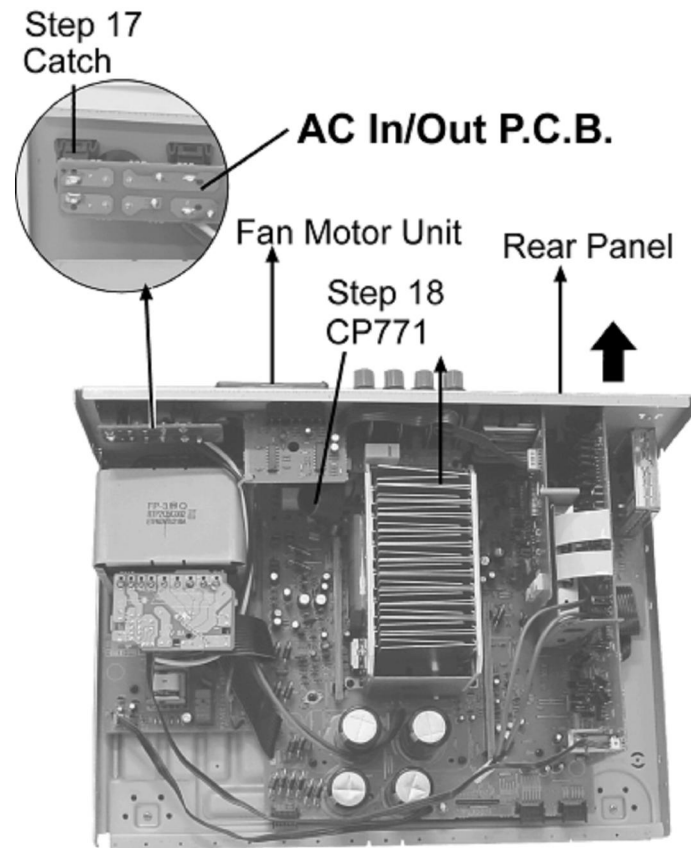


Step 14 Remove Tone Knob, Selector Ring, Light Guide and unscrew the nut.

Step 15 Remove all the screws./Take note of CP503.

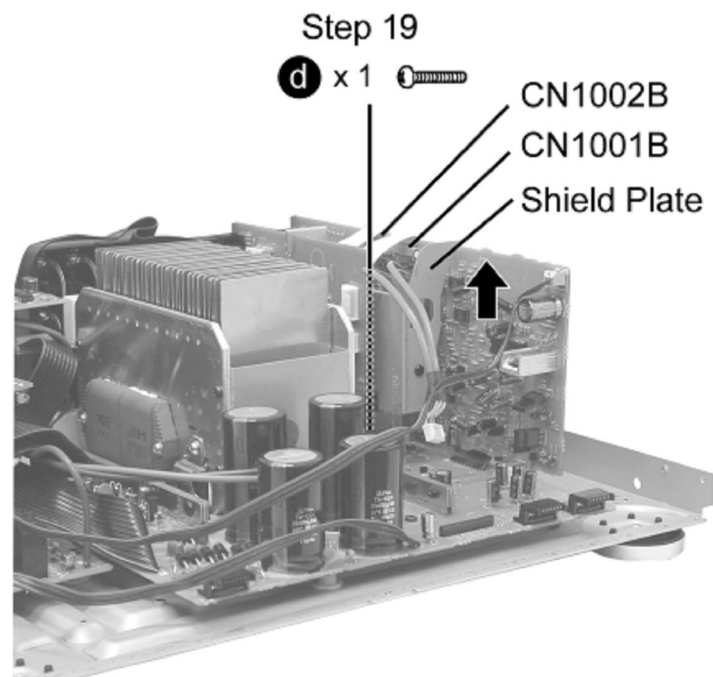


Step 16 Remove all the screws.

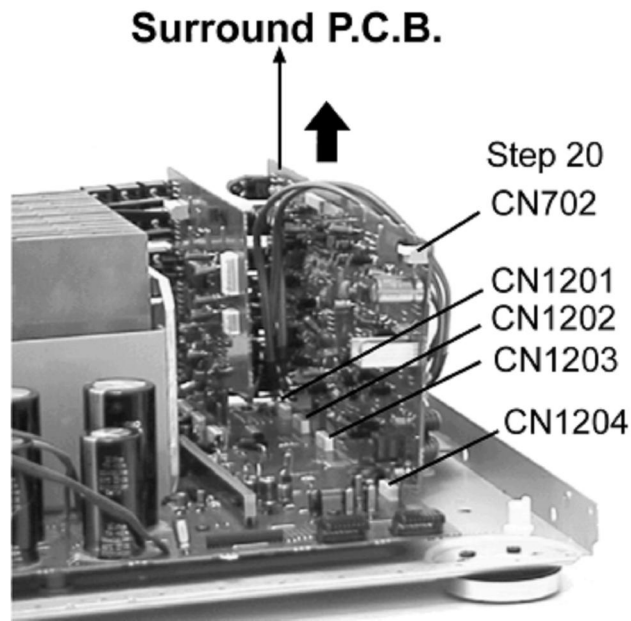


Step 17 Release the AC In/Out P.C.B. catch.

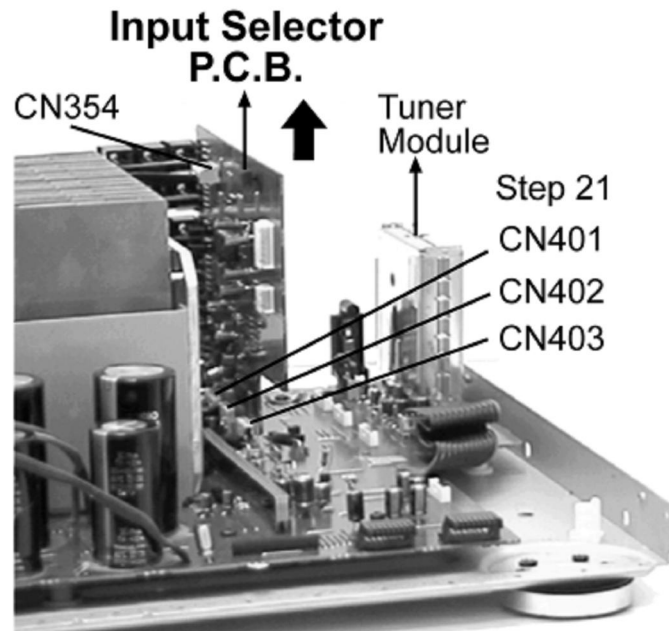
Step 18 Release the CP771 and pull out the rear panel in the direction shown.



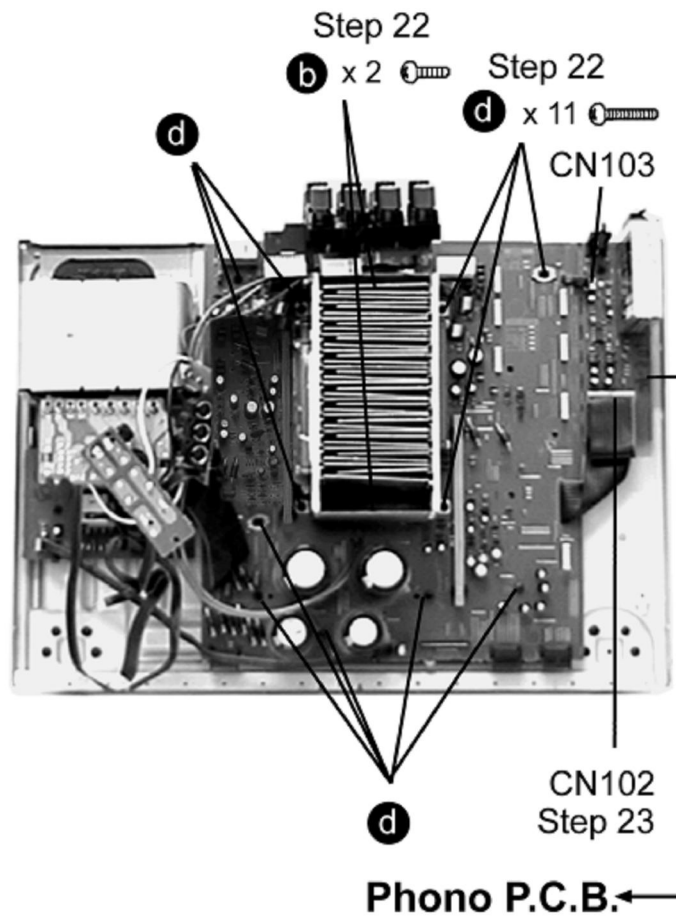
Step 19 Remove the screw, CN1001B, CN1002B and Shield Plate.



Step 20 Release the CN702 and pull out the Surround P.C.B. in the direction shown./Take note of CN1201 to CN1204.

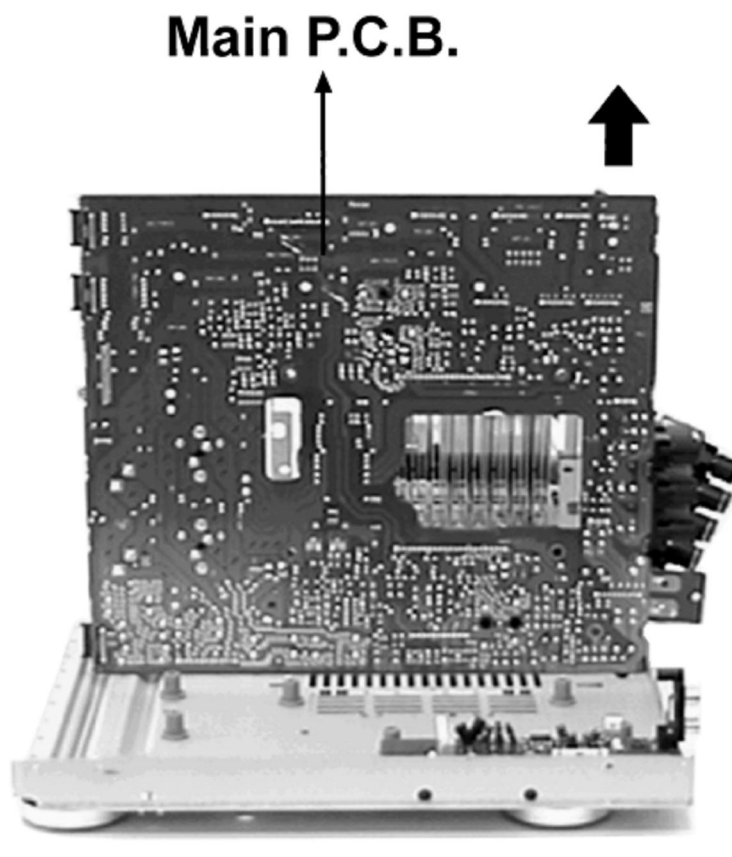


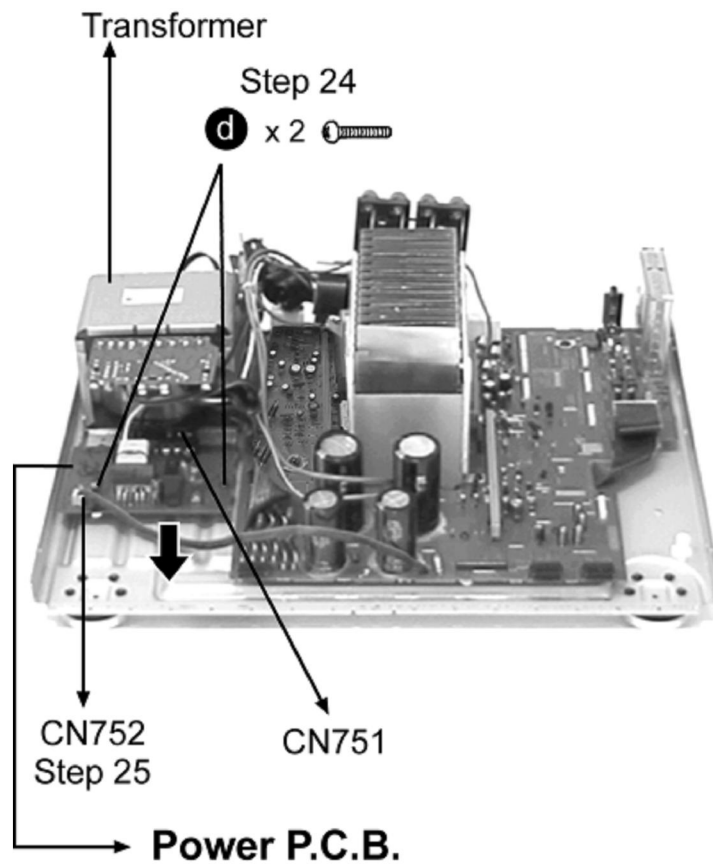
Step 21 Release the CN354 and pull out the Input Selector P.C.B. in the direction shown./Take note of CN401 to CN403.



Step 22 Remove all the screws.

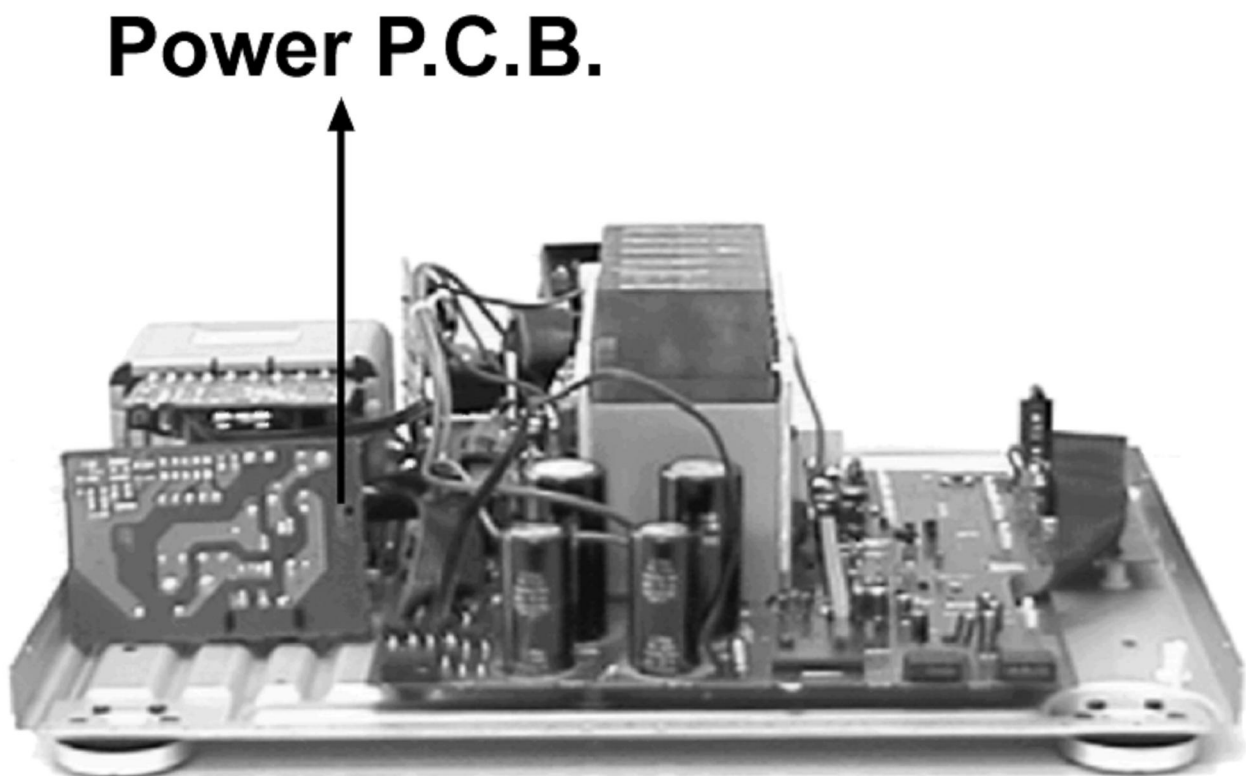
Step 23 Release the CN102 and CN103 from the Phono P.C.B..





[Step 24](#) Remove all the screws.

[Step 25](#) Release the CN751 and CN752 from the Power P.C.B.. Pull out in the direction shown.



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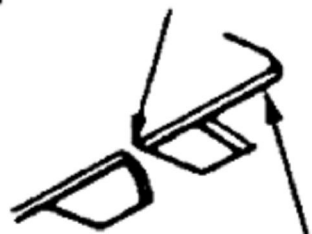
6.2.1 Replacement of the Power IC and Regulator Transistor

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Step 1 Remove the top cabinet.

Step 2

Locate the nipper to the thin portion of the joint.

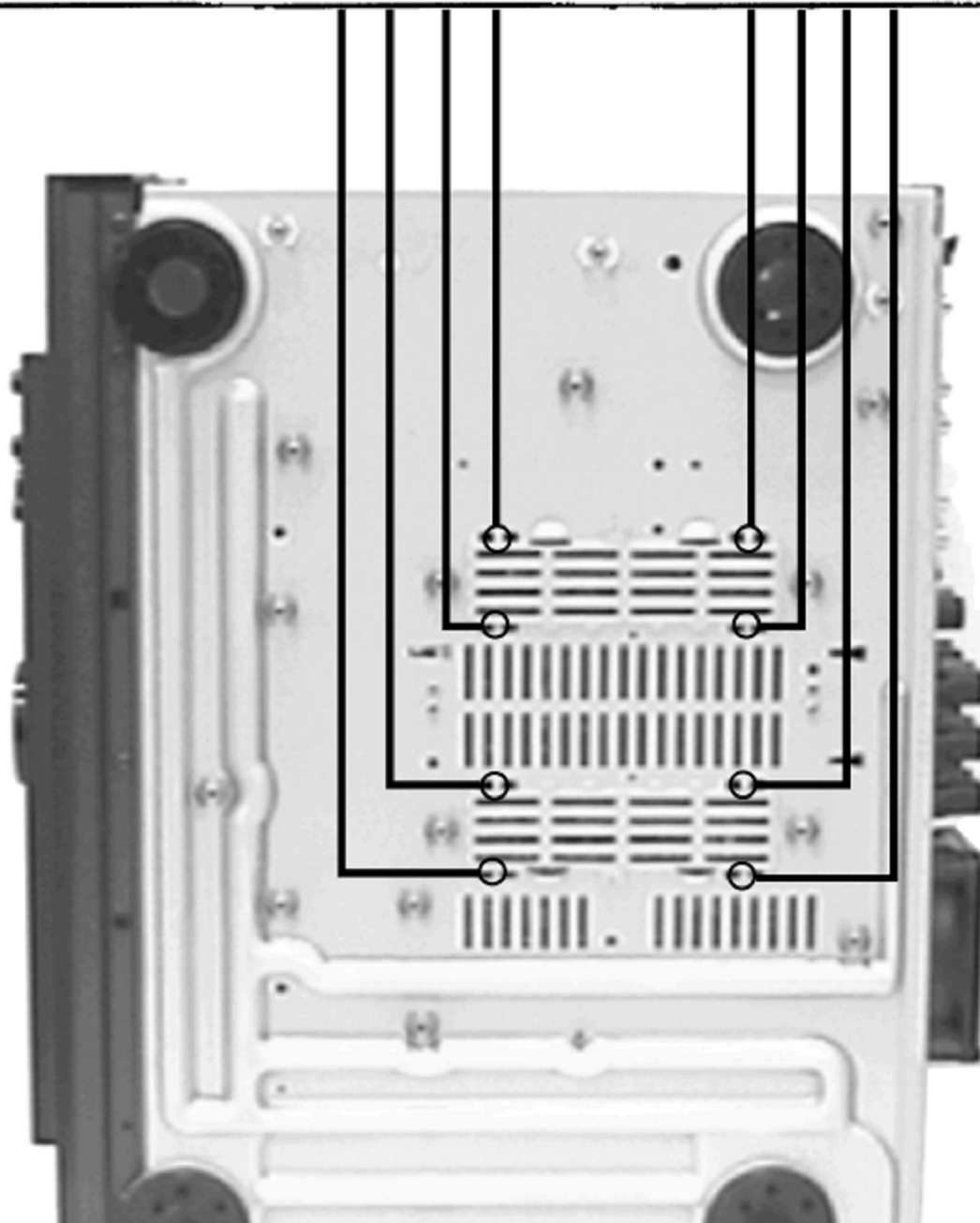


Bottom cover

Nipper

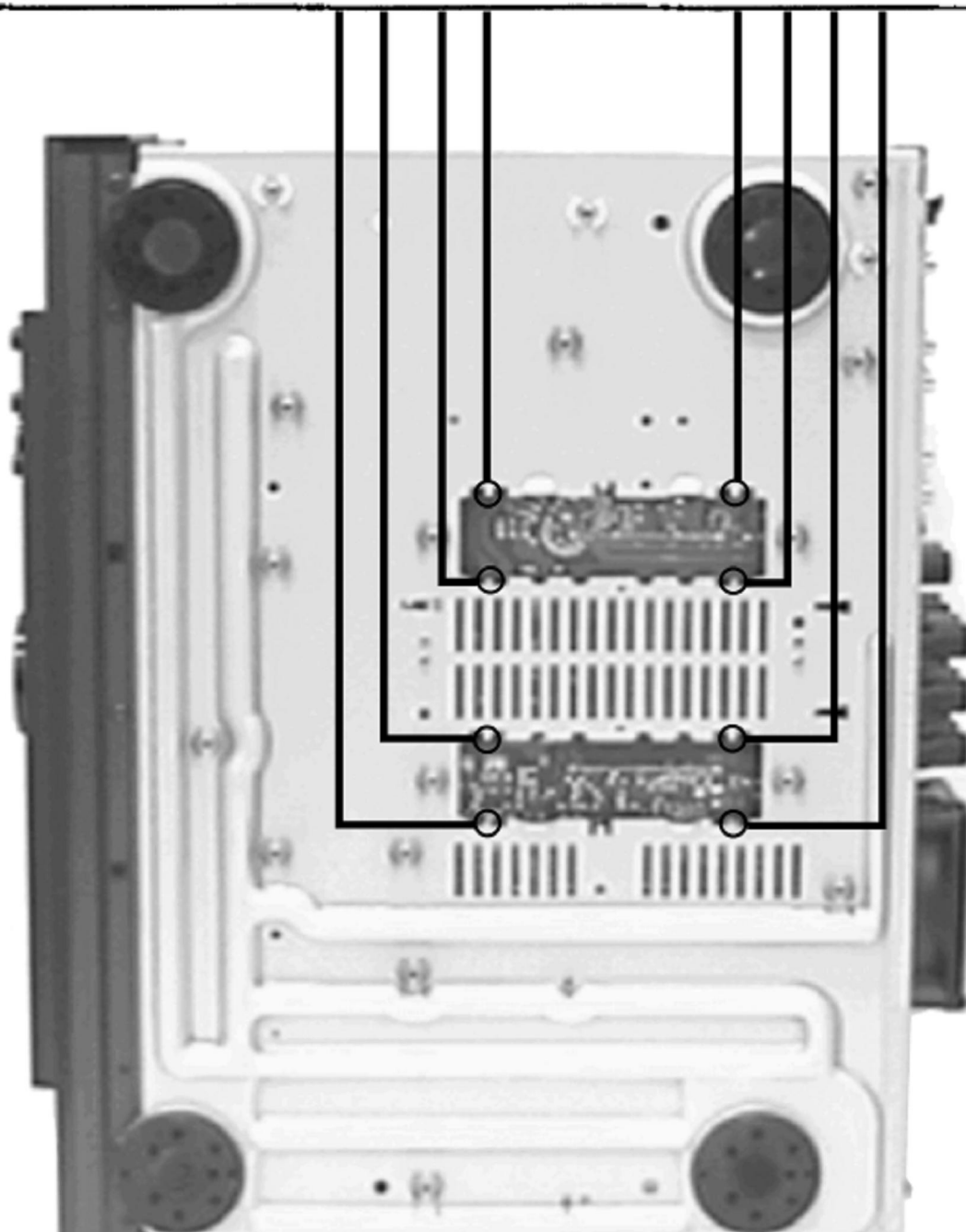
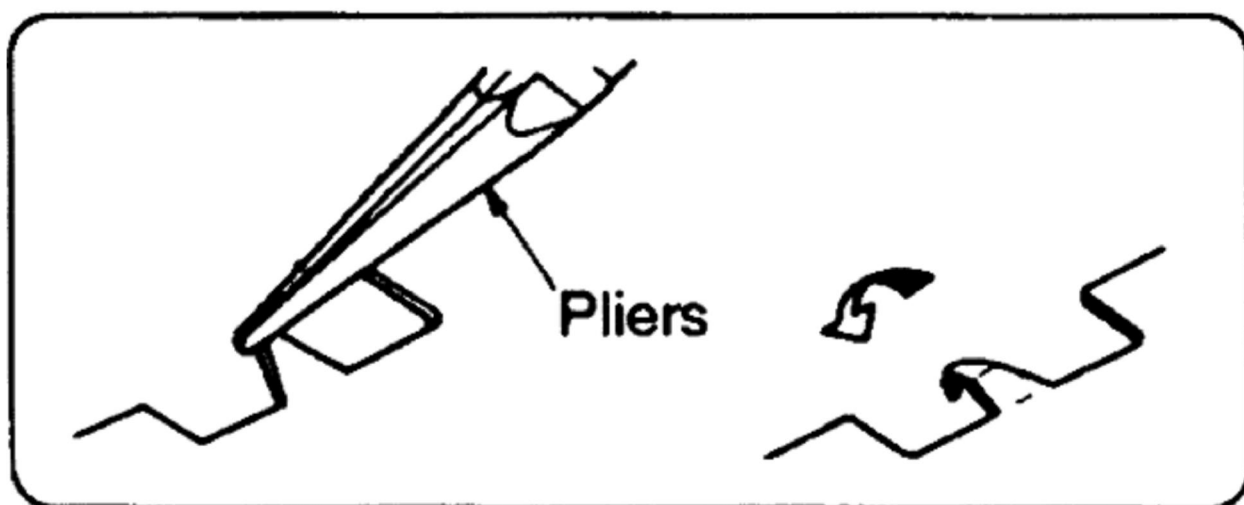


Cut the joint.



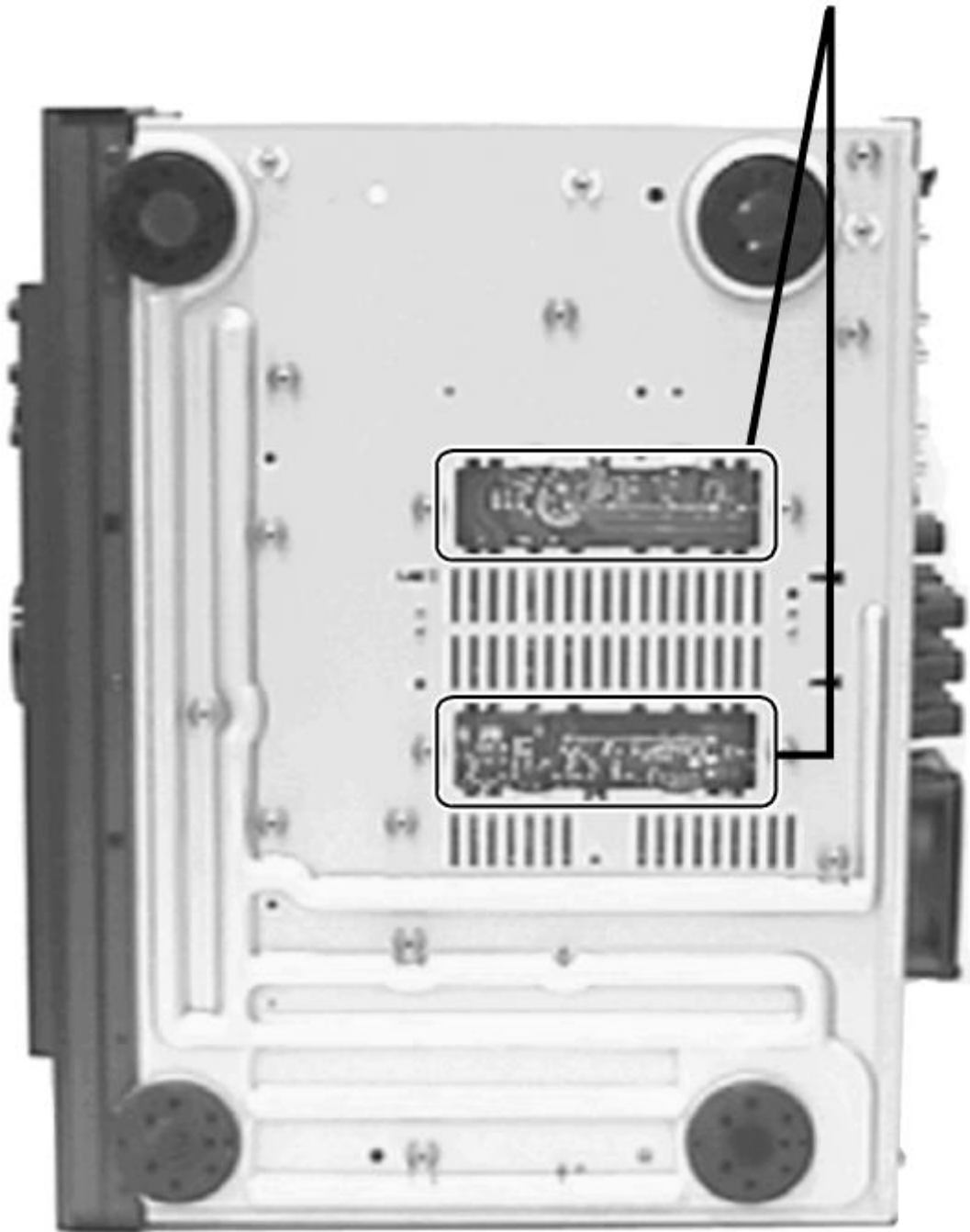
Step 2 Cut the joints as shown below. (8 joints)

Step 3

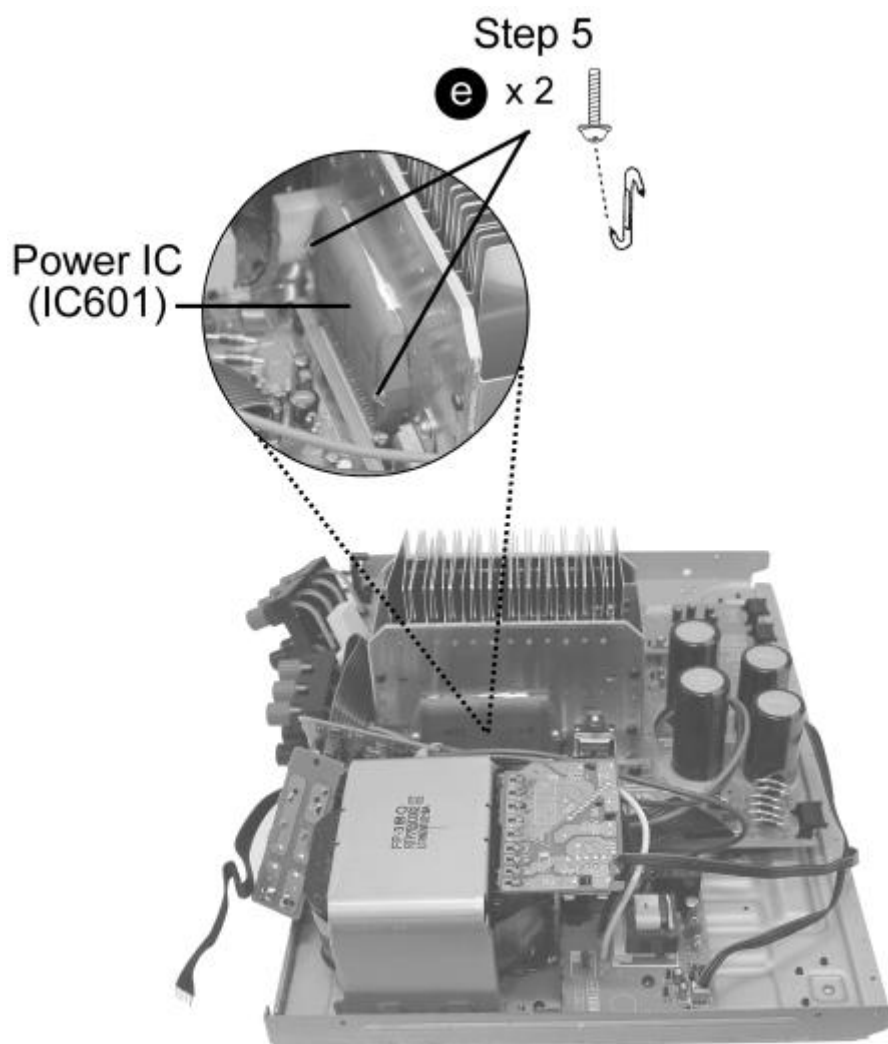


Step 3 Fold the joints. (8 joints)

Step 4

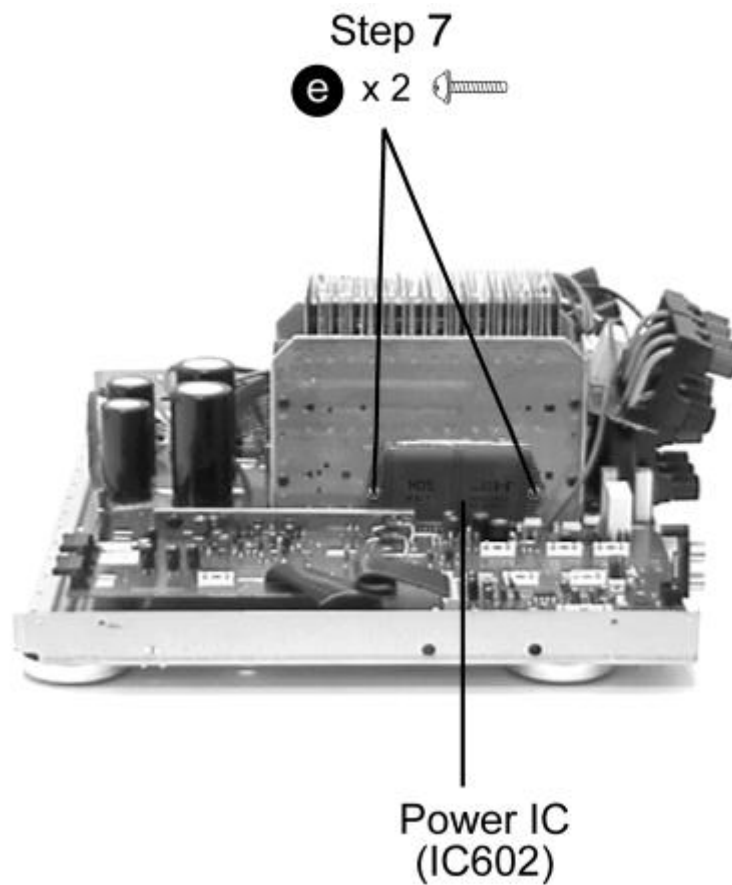


Step 4 Desolder the terminals of Power IC and Regulator Transistor.



Step 5 Remove all the screws and remove IC601.

- The PROTO Offset Screwdriver No.34-1/4 is recommended for use in the application above.



Step 6 Remove all the screws at the rear panel and pull out Shield Plate, Surround P.C.B. and Input Selector P.C.B. from Main P.C.B..

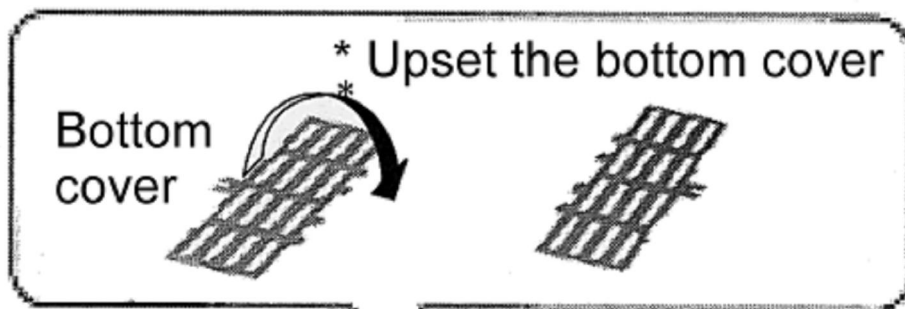
Step 7 Remove the two screws from IC602.

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6.2.2 Installation of the bottom cover after replacement

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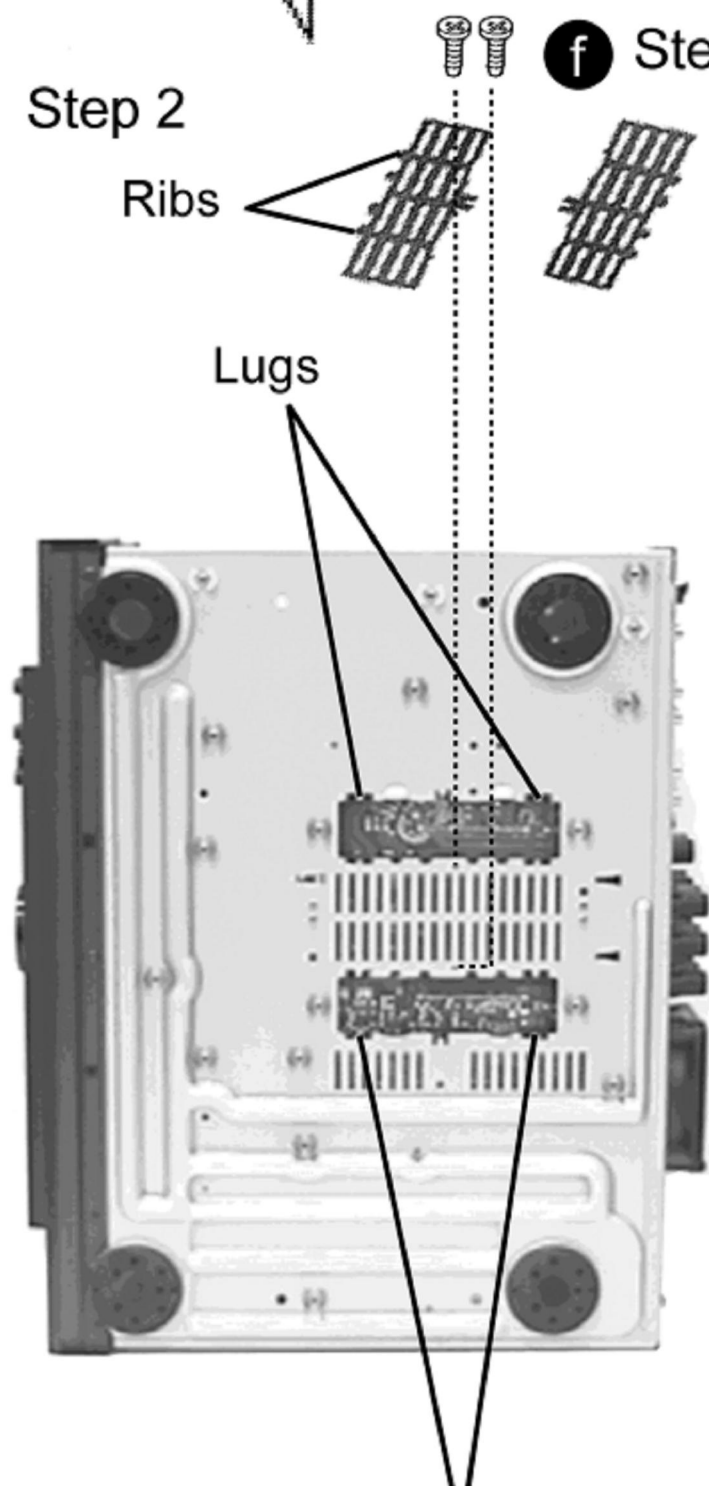
Step 1



Step 2

Ribs

Lugs



f Step 3



[Step 1](#) Upset the bottom cover.

[Step 2](#) Align the ribs of bottom cover into the bugs.

[Step 3](#) Prepare the screws to fix the bottom cover.

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6.2 Main Component Replacement Procedures

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[6.2.1 Replacement of the Power IC and Regulator Transistor](#)

[6.2.2 Installation of the bottom cover after replacement](#)

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6 Disassembly and Main Component Replacement Procedures

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“ATTENTION SERVICER”

Some chassis components maybe have sharp edges. Be careful when diassembling and servicing.

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.

Content

- [Disassembly Procedure for each major P.C.B.](#)
..... P.g. 7~11
- [Main Component Replacement Procedures](#)
 1. Replacement of the Power IC and Regulator Transistor..... P.g. 12~13
 2. Installation of the bottom cover after replacement..... P.g. 13

[6.1 Disassembly Procedure for each major P.C.B.](#)

[6.2 Main Component Replacement Procedures](#)

[6.2.1 Replacement of the Power IC and Regulator Transistor](#)

[6.2.2 Installation of the bottom cover after replacement](#)

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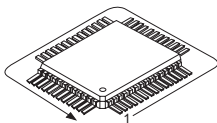
7 Type Illustrations of ICs, Transistors & Diodes

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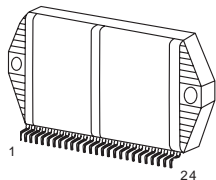


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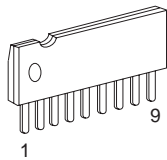
M38B57MCA266 (80p)
M38B57M6170F (80p)
C0FBZJ000004 (44p)



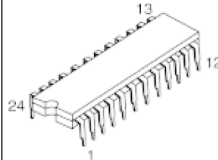
RSN310R37A-P



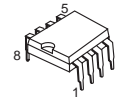
BA6218



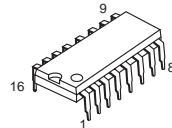
TC9482N



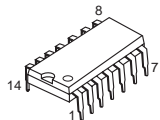
AN6558F
NJM2115D
NJM4580DD
NJM4580EDTE 1



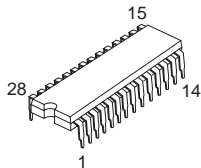
BU2090A
NJM2296D



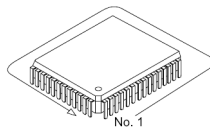
NJM2279D



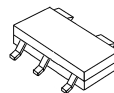
TC9163AN
TC9162AN



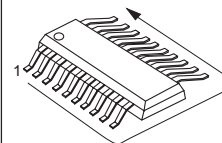
CS49326-CLR (44p)



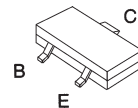
SNAHC1U04DBV



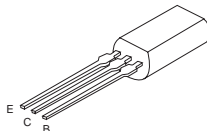
SN74LV244APW (20p)
SN7AHCT244PW (20p)
SN74HCU04APW (14p)



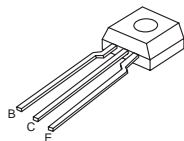
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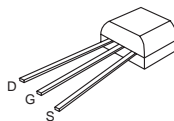
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2SC3940AQSTA



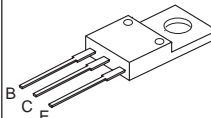
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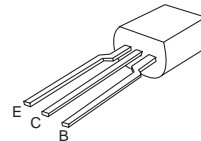
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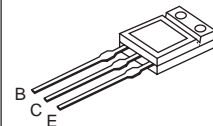
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2SD2374PQAU



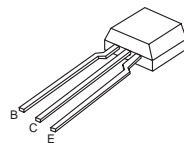
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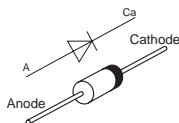
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PQ30RV11



2SA933SSTA
2SC1740SSTA
RVTDTA113ZST
RVTDTA114EST
RVTDTA114EST
RVTDTA114YST
RVTDTA143XST
RVTDTA143XST

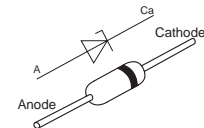


1N5402BM21
RK306LFU1

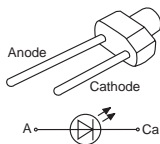


MTZJ10CTA
MTZJ16CTA
MTZJ30BTA
MTZJ3R3ATA
MTZJ3R9ATA
MTZJ5R6BTA
MTZJ6R2BTA
MTZJ6R2CTA

MTZJ6R8BTA
MTZJ7R5CTA
MTZJ8R2CTA
MTZJ18BTA
RVD1SS133TA
RB721Q40T77
1SS291TA
1SR35400V



SLR325MCT31
SLR325YCT31
SLR325VCT31



8 Terminal Functions of ICs

[TOP](#) [PREVIOUS](#) [NEXT](#)

- [IC901 \(M38B57MCA266\) SYSTEM CONTROL/FL DRIVE](#)

| Pin No. | Mark | I/O | Function |
|---------|------------|-----|--|
| 1~2 | KEY2~KEY1 | I | Key Input 1~2 |
| 3 | THERM/OVLD | I | Thermal/Over load input |
| 4 | KEY 4 | I | Key Input 4 |
| 5 | OVERLOAD2 | I | Thermal/Over load input 2 |
| 6 | FMST | I | Stereo signal detect terminal |
| 7 | WAKE | - | Wake up timer LED (Not used, open) |
| 8 | RDS DI | - | Control of RDS IC(Not used, open) |
| 9 | REMOTE | I | Remote control terminal |
| 10 | RESET | - | Reset detect terminal |
| 11 | RDS CK | - | Control of RDS IC (CK) clock signal (Not used, open) |
| 12 | RDS DT | - | Control of RDS IC (DT) data signal (Not used, open) |
| 13 | GND | - | GND terminal |
| 14 | XIN | I | Crystal oscillator terminal (4 MHz) |
| 15 | XOUT | O | Crystal oscillator terminal (4 MHz) |
| 16 | VDD (+5V) | - | Power supply terminal +5V |
| 17 | LED CK | O | LED driver IC (CK) clock signal |
| 18 | LED DATA | O | LED driver IC (DT) data signal |
| 19 | SFC1 | I | SFC mode encoder input 1 |
| 20 | SFC2 | I | SFC mode encoder input 2 |
| 21 | SEL1 | I | Selector encoder for input 1 |
| 22 | HOLD | I | Blackout detection terminal |
| 23 | SEL2 | I | Selector encoder for input 2 |
| 24 | D.PASS | O | DSP signal selector |
| 25 | RLY | O | Relay control output |
| 26 | LOUDNESS | O | Loudness control output (Not used, open) |
| 27 | - | - | Not used |
| 28 | VEE | - | Power supply for FL driver |
| 29 | S/C SP | O | Surround/Center speaker control output |
| 30 | SP B | O | Speaker B control output |
| 31 | SP A | O | Speaker A control output |
| 32 | AF MUTE | O | Muting control output |
| 33~48 | SEG16~SEG1 | O | FL segment signal output |
| 49~58 | DEG1~DEG10 | O | FL digit signal output |
| 59 | INIT_IN | I | Diode input initial settings |
| 60 | VOL DOWN | O | Volume control output (Down) |
| 61 | VOL UP | O | Volume control output (Up) |
| 62 | VIDEO_C | - | Not used |
| 63 | IF DATA | I | Serial data signal |
| 64 | LIMITTER | O | Power limiter control output |
| 65 | T CE | O | Tuner control (CE) chip enable signal |
| 66 | T CK | O | Selector/Tuner (CK) clock signal |
| 67 | T DT | O | Selector/Tuner (DT) data signal |

| | | | |
|----|-----------------|---|--|
| 68 | FRT_VCR2 | I | Encoder of surround mode selector input1 |
| 69 | MMD_CTR | I | Encoder of surround mode selector input1 |
| 70 | COM CK | O | Common clock signal |
| 71 | COM DO | O | Common digital output signal |
| 72 | COM DI | I | Common digital input signal |
| 73 | AVSS | - | GND for A-D converter |
| 74 | VREF | - | Reference voltage for A-D converter |
| 75 | SD | I | SD signal detect input |
| 76 | COM REQS | O | Common serial request output |
| 77 | HELP LED/RDS CE | O | Help LED control output (Not used, open) |
| 78 | COM REQM | O | Common mechanical request output |
| 79 | VIDEO B | O | Video selector control output B |
| 80 | VIDEO A | O | Video selector control output A |

- [IC1901 \(M38B57M6170F\) DSP CONTROL](#)

| Pin No. | Mark | I/O | Function |
|---------|--------|-----|---|
| 1 | CA18 | I | Unused/Free, Release internal pull-up for resistance |
| 2 | CA17 | O | External ROM Address A17 for CS49326 or CS4341;CS |
| 3 | CA16 | O | External ROM address for CS49326 |
| 4 | N.C. | O | TC9482 STB |
| 5 | CLOCK | O | TC9482F Clock |
| 6 | DATA | O | TC9482F Data |
| 7 | N.C. | I | Unused/Free, Release internal pull-up for resistance |
| 8 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 9 | INT2 | I | Unused/Free, Connect to GND through resistance |
| 10 | RESET | I | Reset Input |
| 11 | N.C. | I | Unused/Free, Release internal pull-up for resistance |
| 12 | N.C. | I | Unused/Free, Release internal pull-up for resistance |
| 13 | GND | - | GND |
| 14 | XIN | - | 4 MHz ceramic oscillation terminal |
| 15 | XOUT | - | 4 MHz ceramic oscillation terminal |
| 16 | VDD | - | +5V |
| 17 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 18 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 19 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 20 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 21 | OVLERR | I | CS4226:OVLERR Overflow/error |
| 22 | INTREQ | I | CS49326:INTREQ |
| 23 | HOLD | I | Power failure detection, Power failure, Power on/Connectivity for H |
| 24 | N.C. | I | Unused/Free, Release internal pull-up for resistance |
| 25 | STB_S | O | TC9162/TC9163:STB Strobe |
| 26 | CLK_S | O | TC9162/TC9163:CLK Serial clock |
| 27 | DAT_S | O | TC9162/TC9163:DATA Serial data output |
| 28 | MUTEA | - | GND |
| 29 | N.C. | O | Software muting L:OFF H:ON |
| 30 | N.C. | | Unused/Free Low output fixing |
| 31 | N.C. | I | Unused/Free, Release, Connect to GND through resistance |
| 32 | N.C. | I | Unused/Free, Release, Connect to GND through resistance |
| 33 | N.C. | O | Unused/Free, Release H output |

| | | | |
|----|---------|-----|---|
| 34 | N.C. | O | Unused/Free, Release H output |
| 35 | N.C. | O | Unused/Free, Release H output |
| 36 | N.C. | O | Unused/Free, Release H output |
| 37 | N.C. | O | Unused/Free, Release H output |
| 38 | N.C. | O | Unused/Free, Release H output |
| 39 | N.C. | O | Unused/Free, Release H output |
| 40 | N.C. | O | Unused/Free, Release H output |
| 41 | N.C. | O | Unused/Free, Release H output |
| 42 | N.C. | O | Unused/Free, Release H output |
| 43 | N.C. | O | Unused/Free, Release H output |
| 44 | N.C. | O | Unused/Free, Release H output |
| 45 | N.C. | O | Unused/Free, Release H output |
| 46 | N.C. | O | Unused/Free, Release H output |
| 47 | N.C. | O | Unused/Free, Release H output |
| 48 | N.C. | O | Unused/Free, Release H output |
| 49 | N.C. | O | Unused/Free, Release internal pull-up for resistance H output |
| 50 | N.C. | O | Unused/Free, Release internal pull-up for resistance H output |
| 51 | N.C. | O | Unused/Free, Release internal pull-up for resistance H output |
| 52 | N.C. | O | Unused/Free, Release internal pull-up for resistance H output |
| 53 | N.C. | O | Unused/Free, Release internal pull-up for resistance H output |
| 54 | EXT DAC | O | Initialization diode, Internal pull-up resistance |
| 55 | EXT RON | O | Initialization diode, Internal pull-up resistance |
| 56 | DTS 2 | O | Initialization diode, Internal pull-up resistance |
| 57 | INIT | I | Initialization diode, Reading input |
| 58 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 59 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 60 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 61 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 62 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 63 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 64 | CDOUT | I | CS4226:CDOUT Serial data input |
| 65 | CS42 | O | CS4226:CS Tip select |
| 66 | SCLK | O | Main-Sub Serial clock output for communication |
| 67 | TXD | O | Main-Sub Serial data output for communication |
| 68 | RXD | I | Main-Sub Serial data input for communication |
| 69 | /CS49 | O | CS49326:CS CS49326 Tip select |
| 70 | CCLK | O | CS49326/CS4226/CS4341:CCLK Serial clock |
| 71 | CDIN | O | CS49326/CS4226/CS4341:CDIN Serial data |
| 72 | SCOUT | I | CS49326:SCDOUT Serial data input |
| 73 | AVSS | - | Power analaog for conversion of A/D, Connect to GND |
| 74 | VREF | - | Reference voltage for conversion of A/D |
| 75 | VOLUME | A/D | Volume position detection for A/D |
| 76 | REQS | I | Main-Sub Communication |
| 77 | POWER | O | DSP Power control L:ON H:OFF |
| 78 | REQM | O | Main-Sub Communication |
| 79 | PON | O | CD4226:PDN CS4226/CS4341 Reset |
| 80 | CSRESET | O | CS49326:RESET CS49326 Reset |

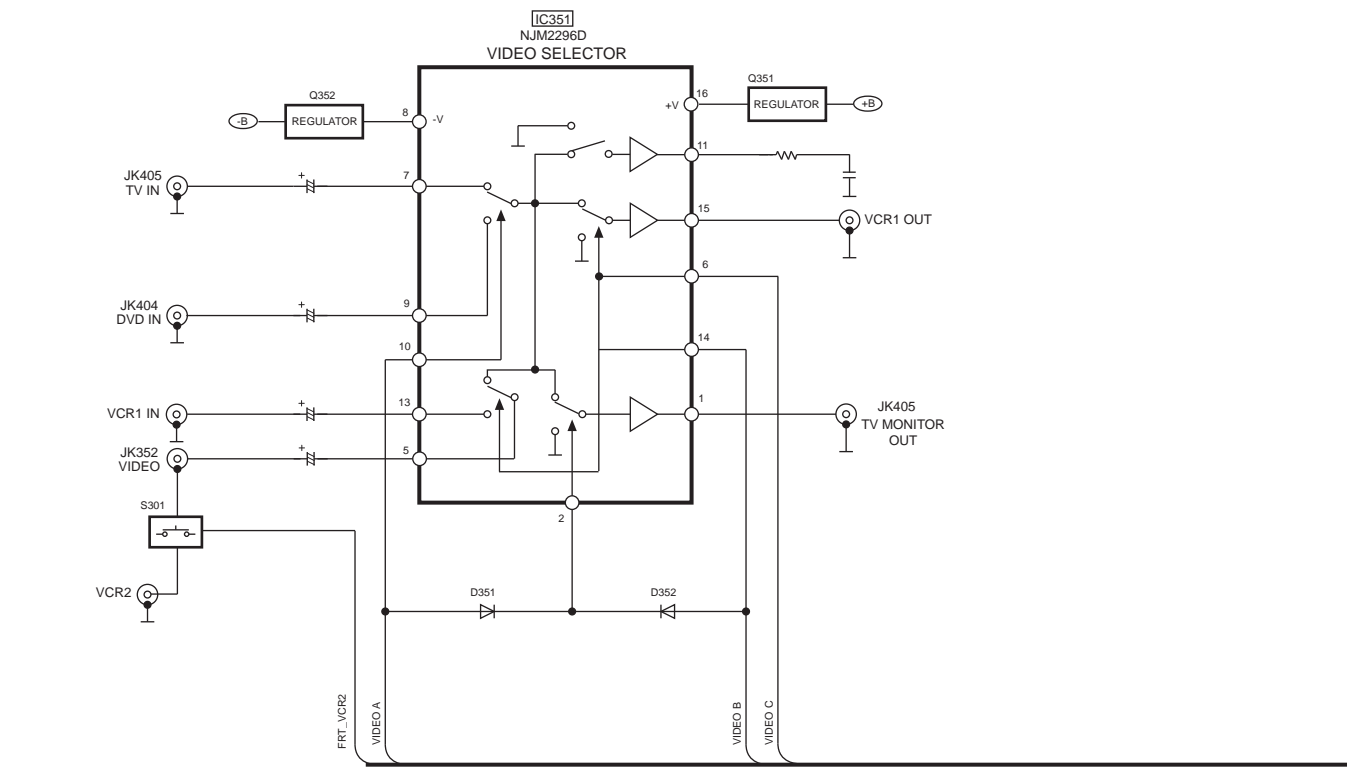
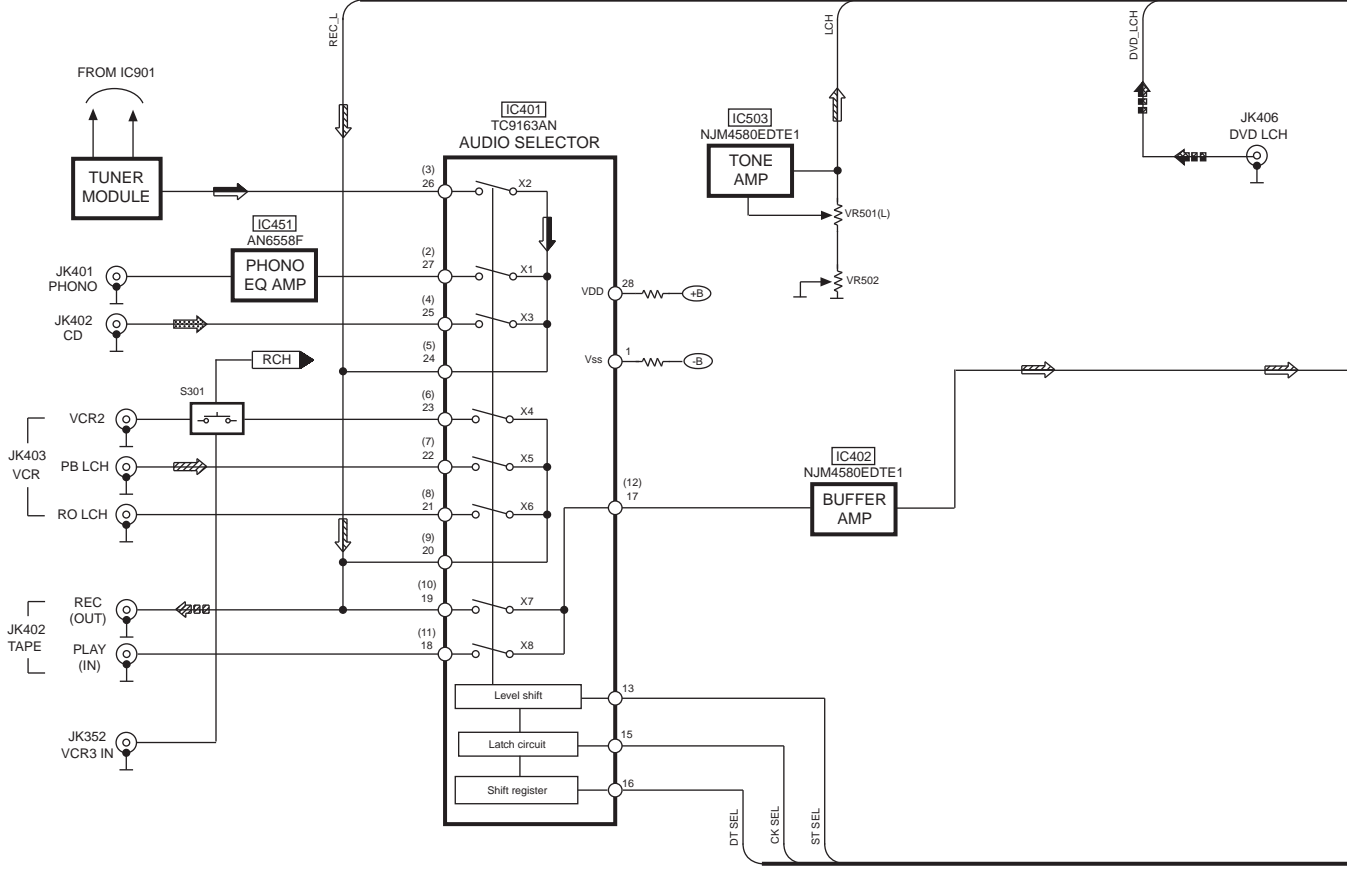
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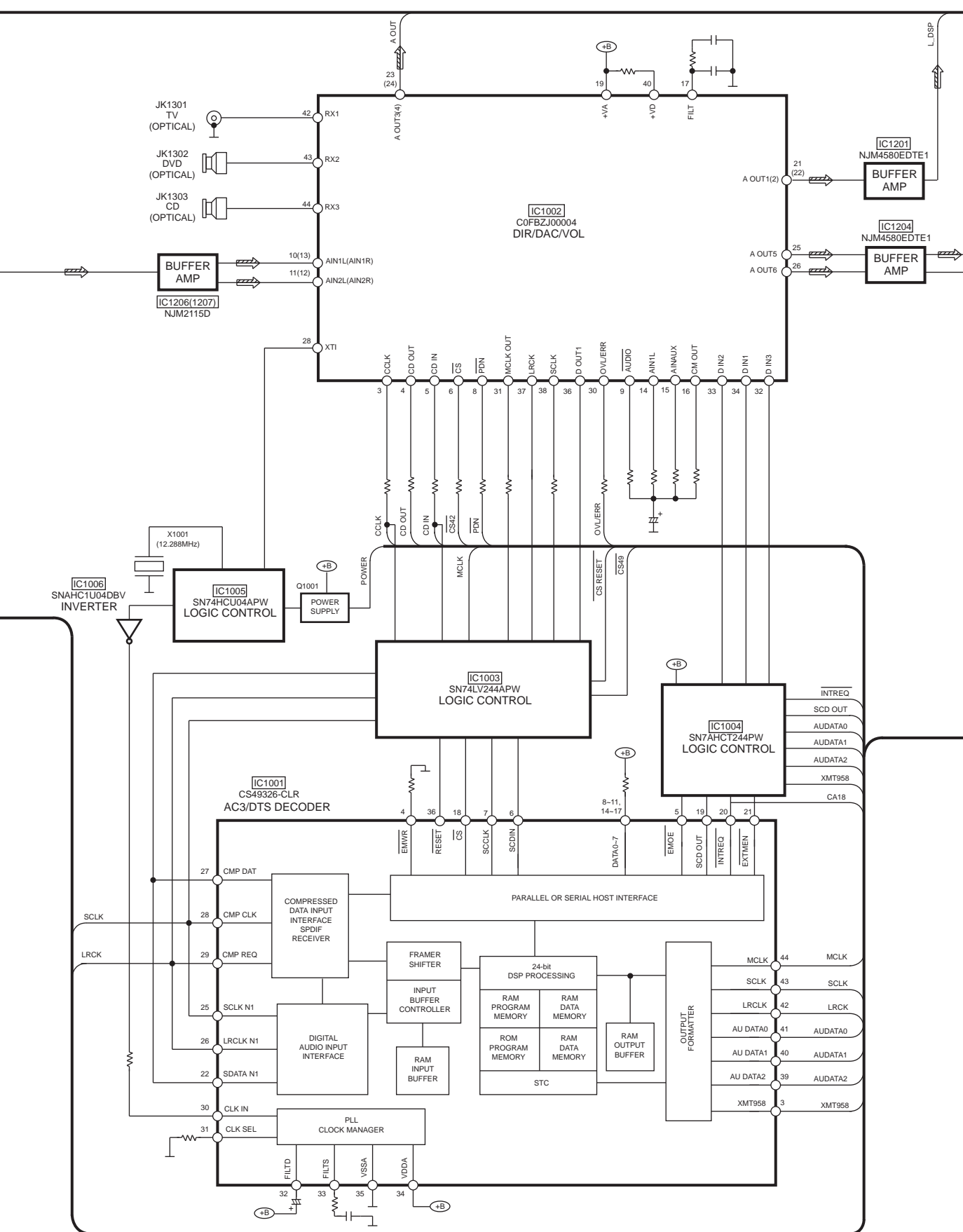
9 Block Diagram

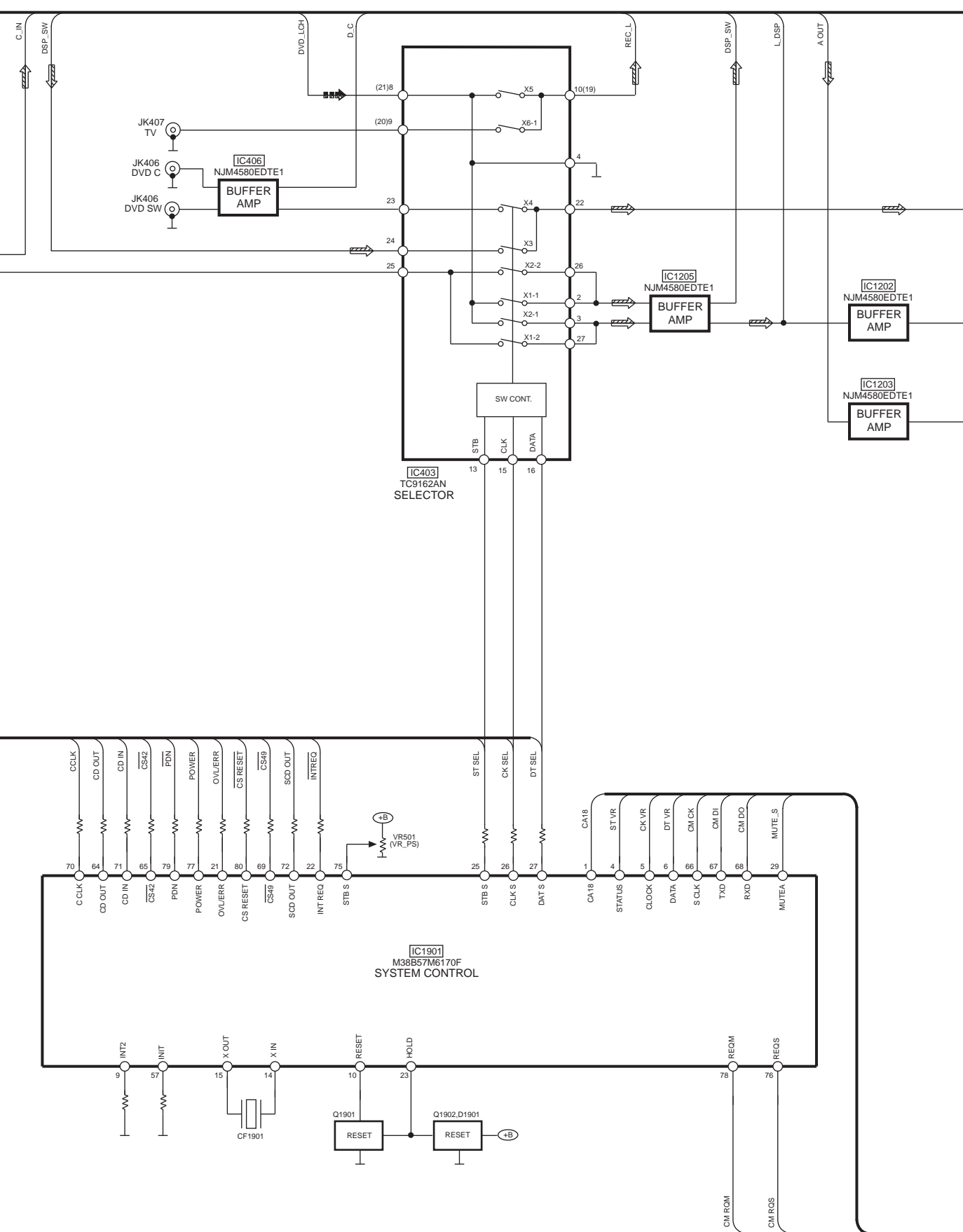
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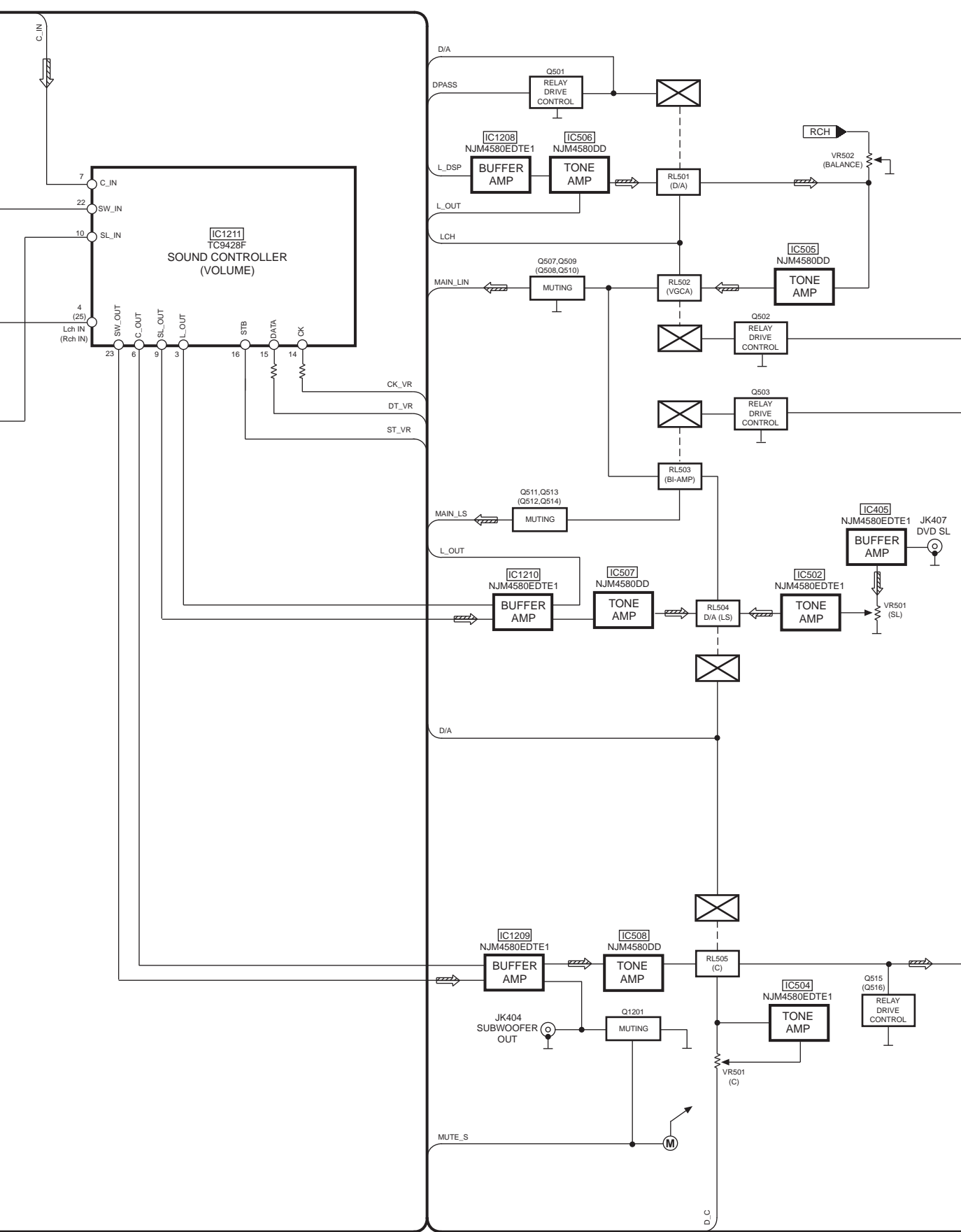


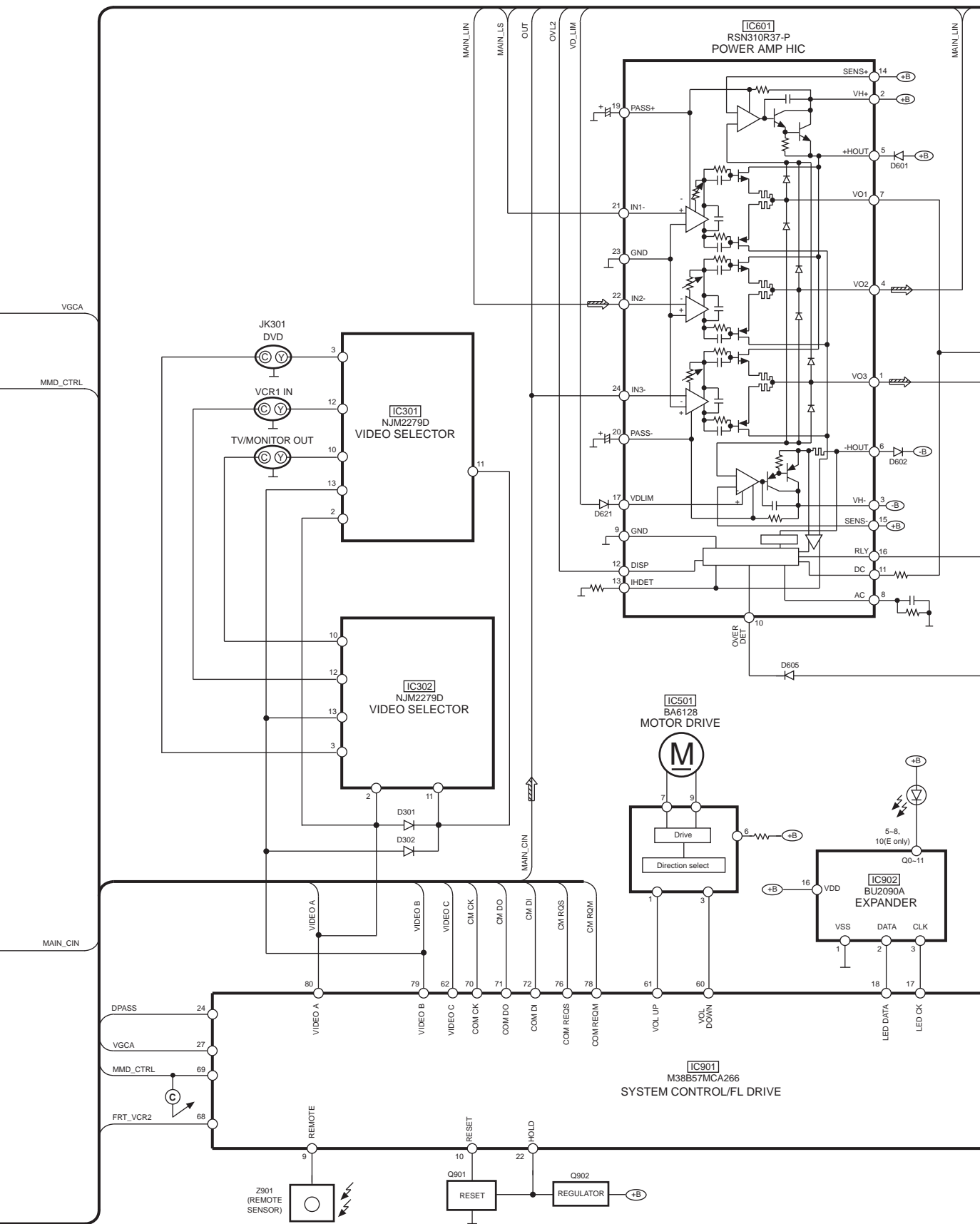
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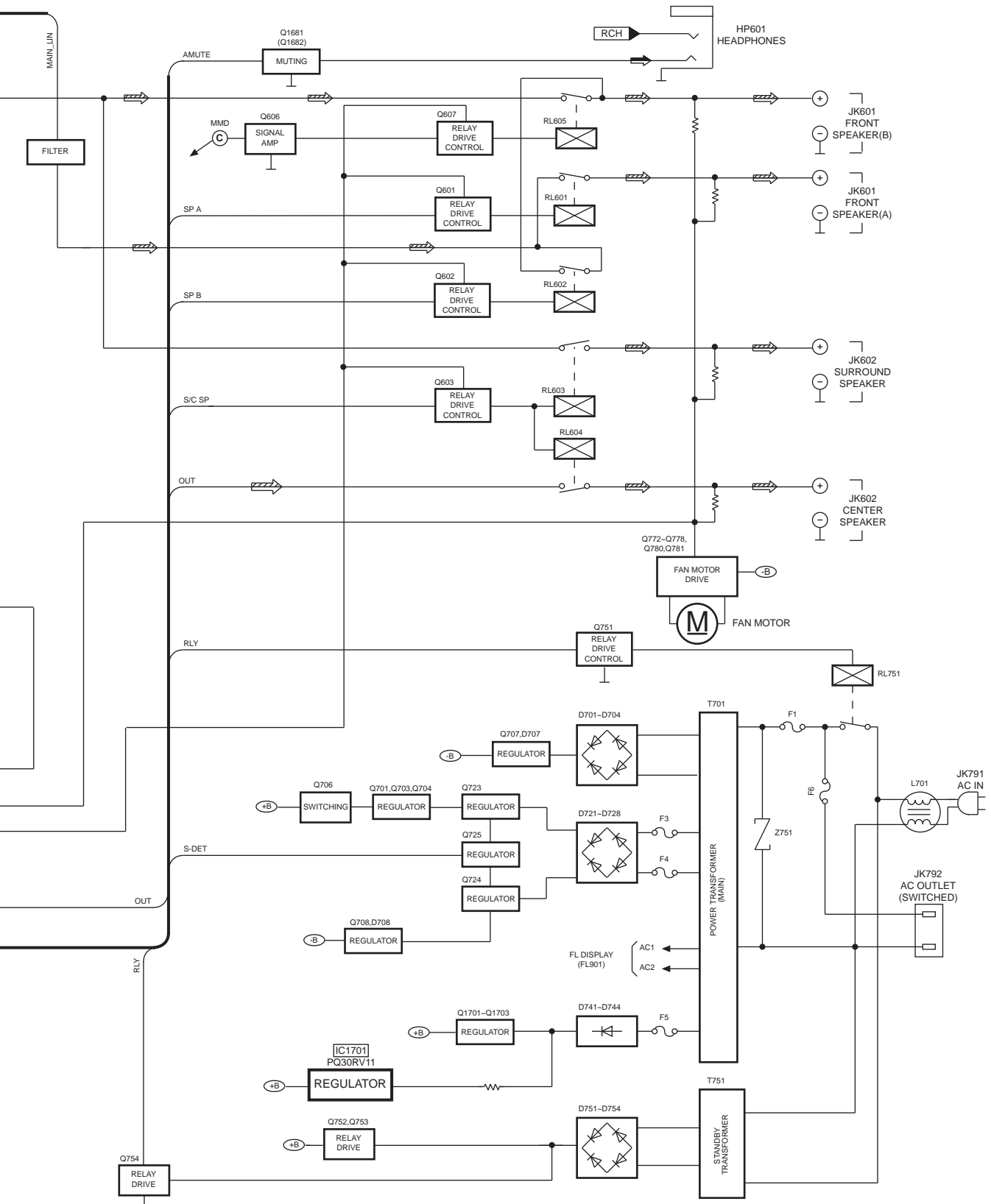












SIGNAL LINES

| | | | | | |
|--|------------------|--|----------------------|--|-------------------------------|
| | MAIN SIGNAL LINE | | FM & AM SIGNALS LINE | | PLAYBACK SIGNAL LINE |
| | CD SIGNAL LINE | | RECORD SIGNAL LINE | | DVD (AUDIO/VIDEO) SIGNAL LINE |

() indicates Pin No. of right channel.

10 Schematic Diagram

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

Notes:


S301 Slide Switch
 S901 Power Switch
 S902 Speaker B Switch
 S903 Band Switch
 S904 FM Mode Switch
 S905 Tuning Down Switch
 S906 Tuning Up Switch
 S907 Memory Switch
 S908 Preset Switch
 S909 DSP Sound Mode Switch
 S911 Speaker A Switch
 S912 Bi-Wire Switch
 S913 VGCA Switch
 S914 DVD 6CH Input Switch
 S917 Digital Input Switch
 S918 Tape Monitor Switch

- 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.

<> ...FM

() ...AM

- **Importance 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 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.


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


CAUTION : FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE F1, F3, F4 8A 125V FUSE, F5 1.6A 125V FUSE, F6 4A 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 hazard, 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 où le présent symbole est apposé.



[TOP](#) [PREVIOUS](#) [NEXT](#)

A

B

C

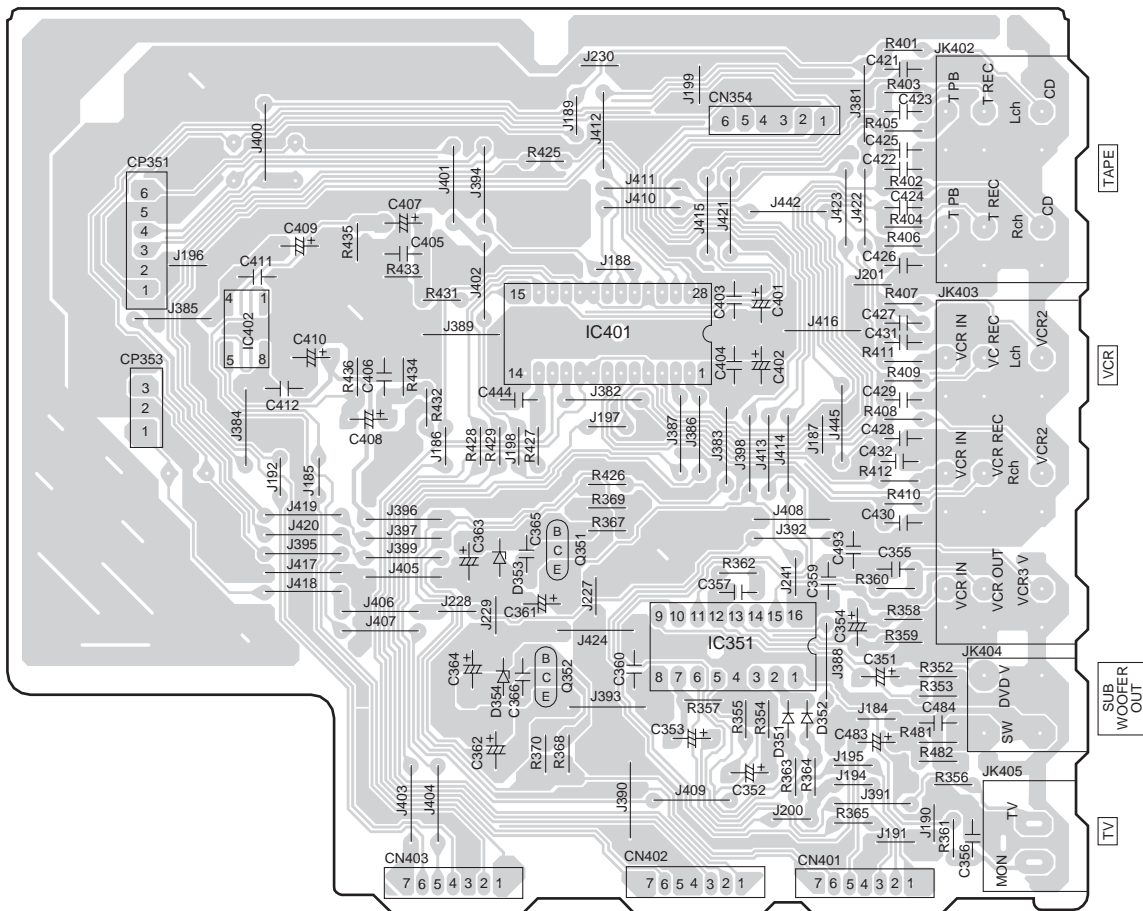
D

E

F

G

A INPUT SELECTOR P.C.B. (REP3162B-P)



G

H

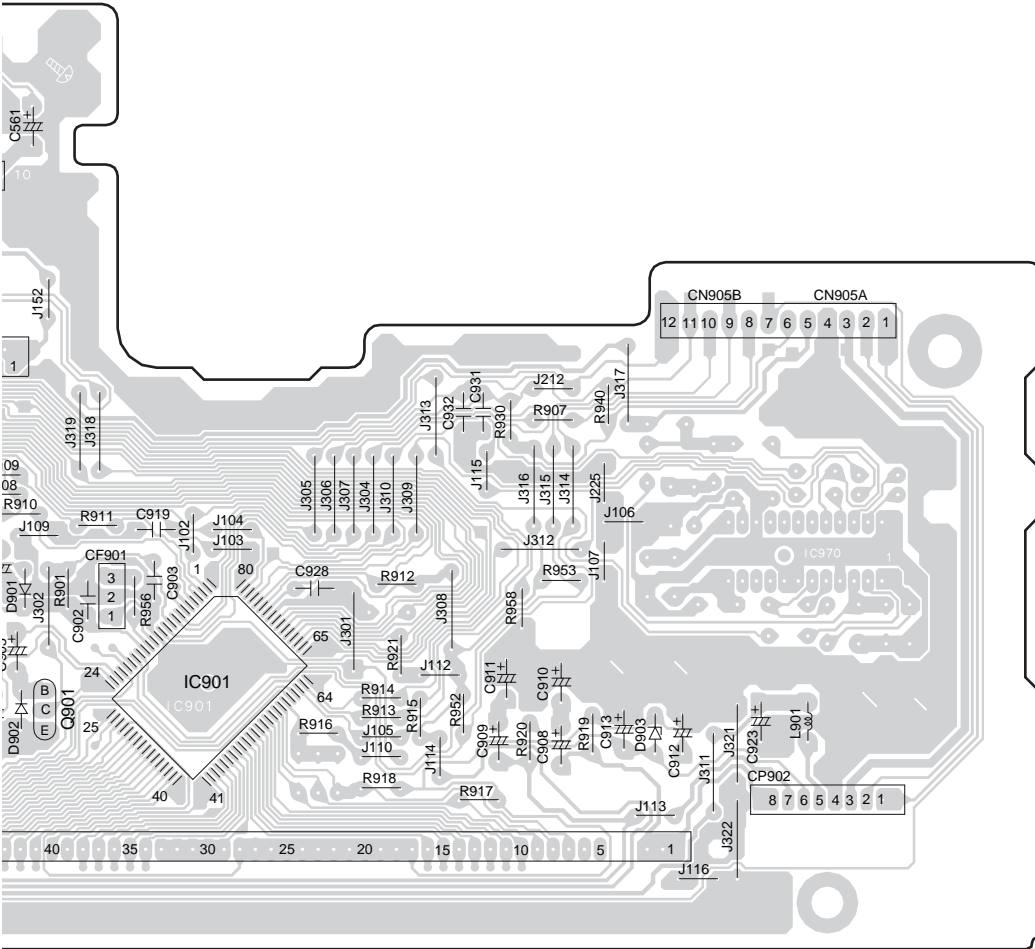
I

J

K

L

M



A

B

C

D

E

F

G

1

H TONE P.C.B. (REP3020J-S)

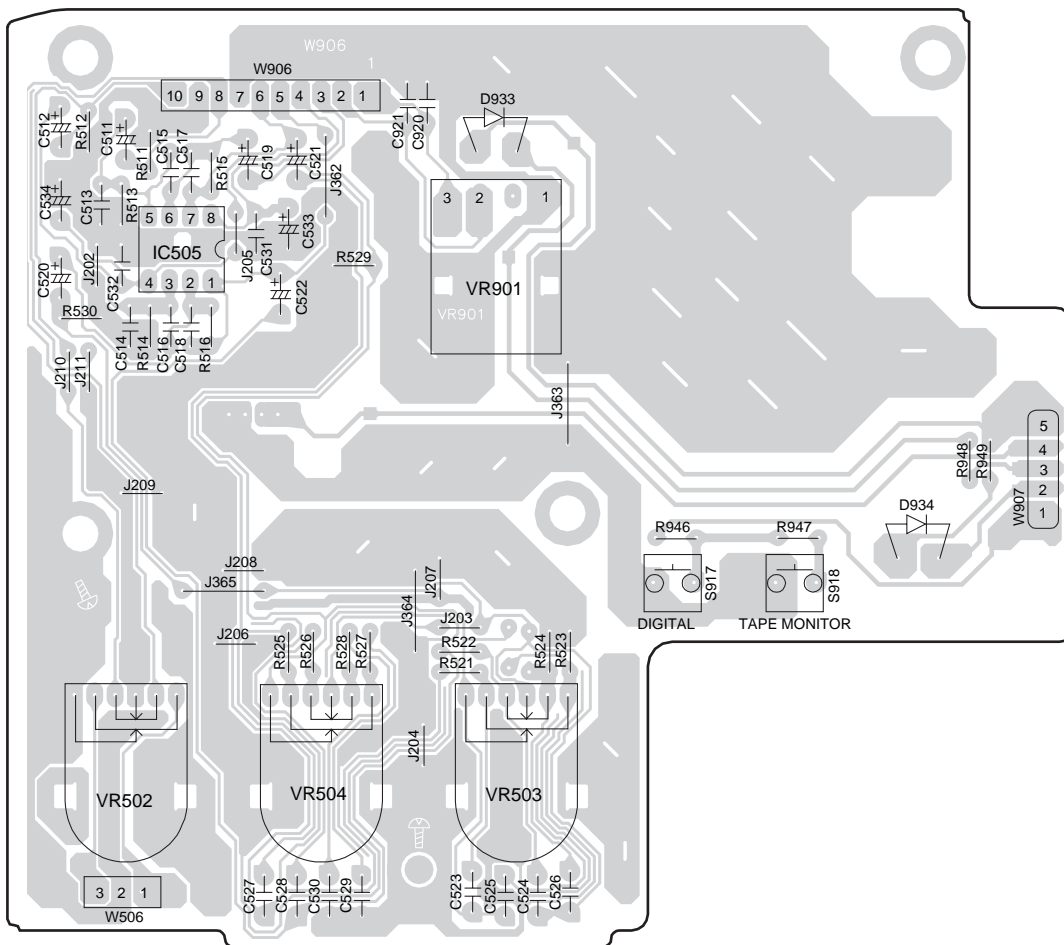
2

3

4

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6



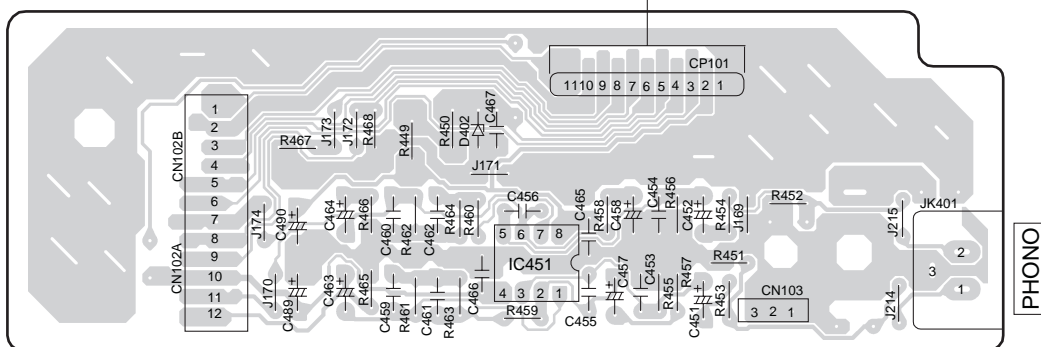
7

K PHONO P.C.B. (REP3020J-S)

R TUNER PACK UNIT (RAN0001MM)

8

9



A

B

C

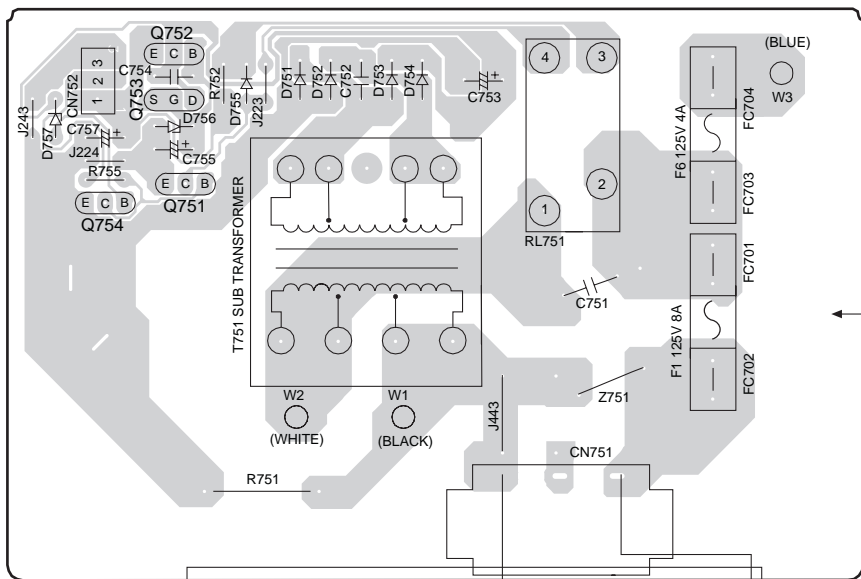
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E

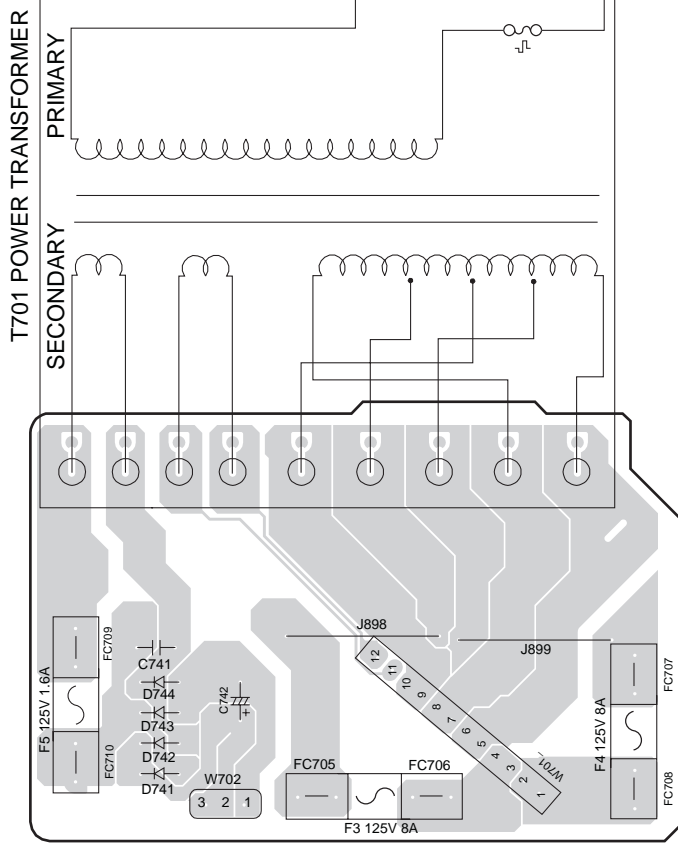
F

G

L POWER P.C.B. (REP3162B-P)



CAUTION
RISK ELECTRIC SHOCK
AC VOLTAGE LINE. PLEASE DO NOT
TOUCH THIS P.C.B.



M TRANSFORMER P.C.B. (REP3161B-M)

A

B

C

D

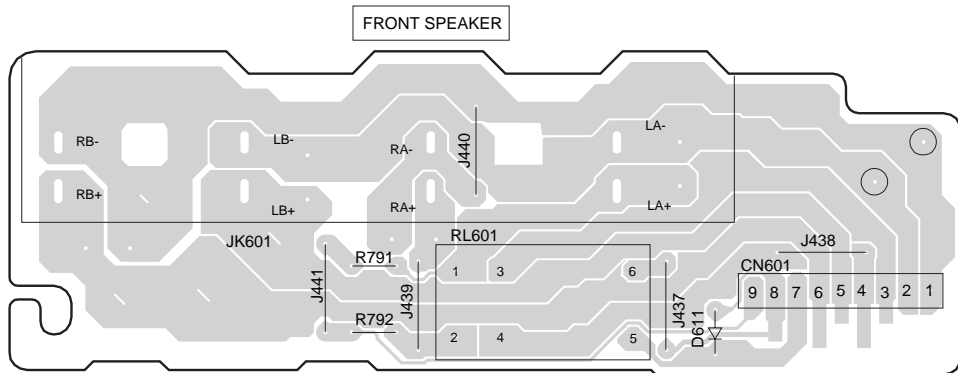
E

F

G

1

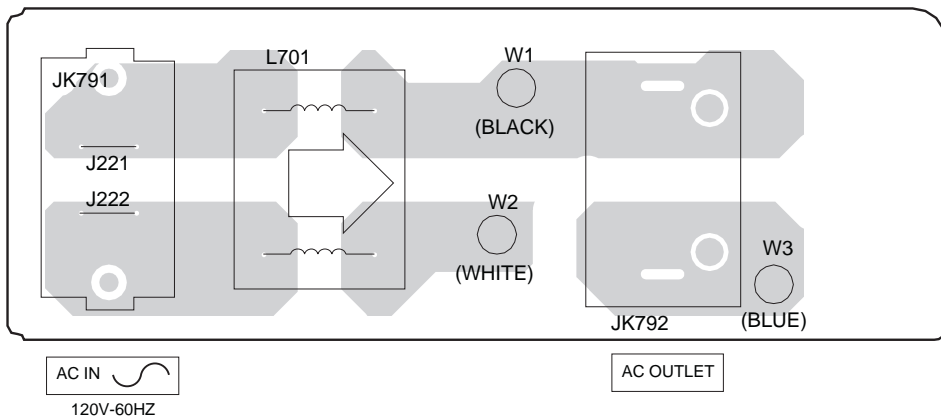
N SPEAKER TERMINAL P.C.B. (REP3062B-P)



2

3

Q AC IN/OUT P.C.B. (REP3162B-P)

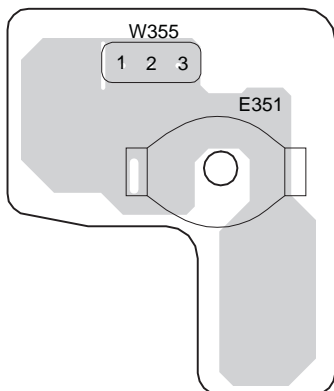


4

5

6

U EARTH TERMINAL P.C.B. (REP3020J-S)



7

8

9

A

B

C

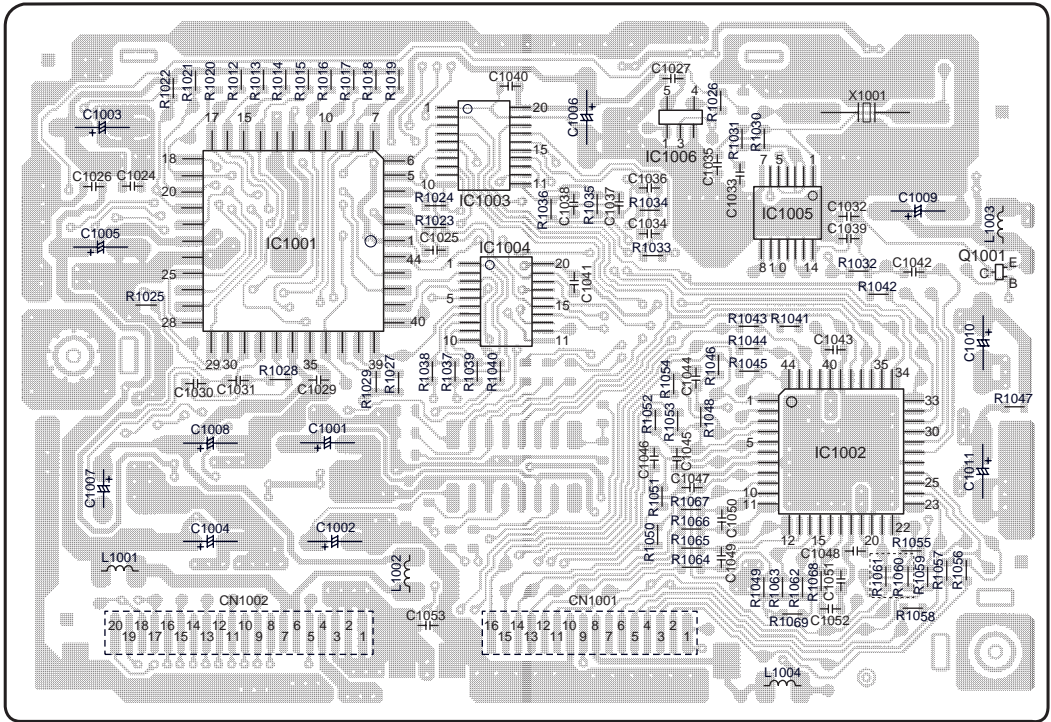
D

E

F

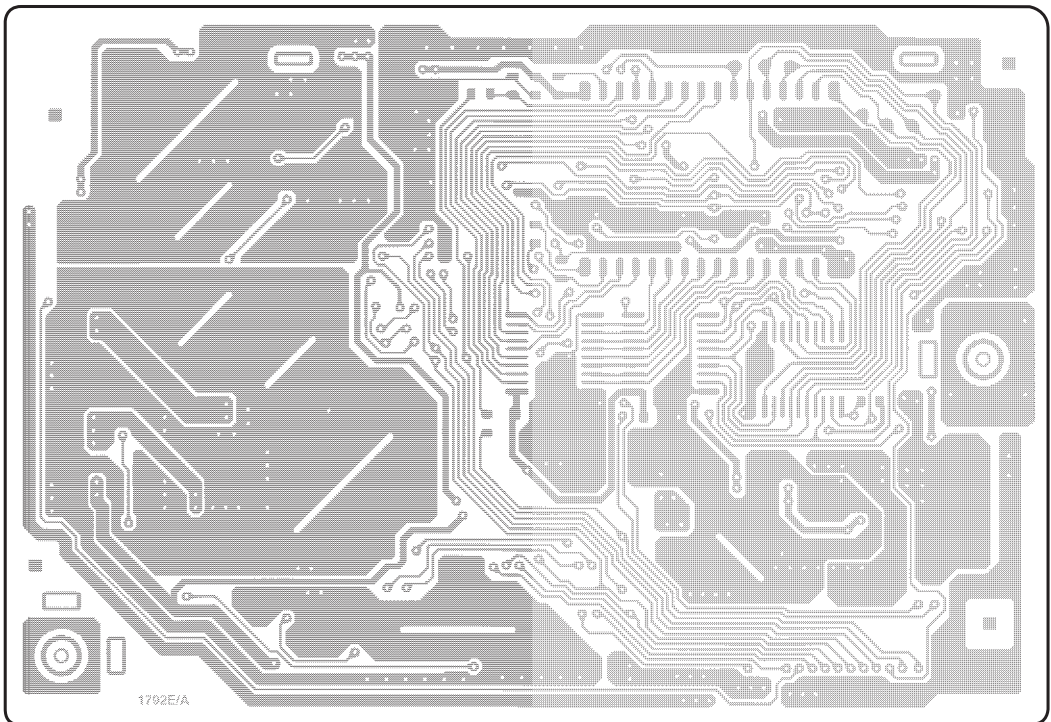
G

P DTS MODULE P.C.B (REP2703D-T)



(SIDE: A)

P DTS MODULE P.C.B (REP2703D-T)



(SIDE: B)

11 Printed Circuit Board

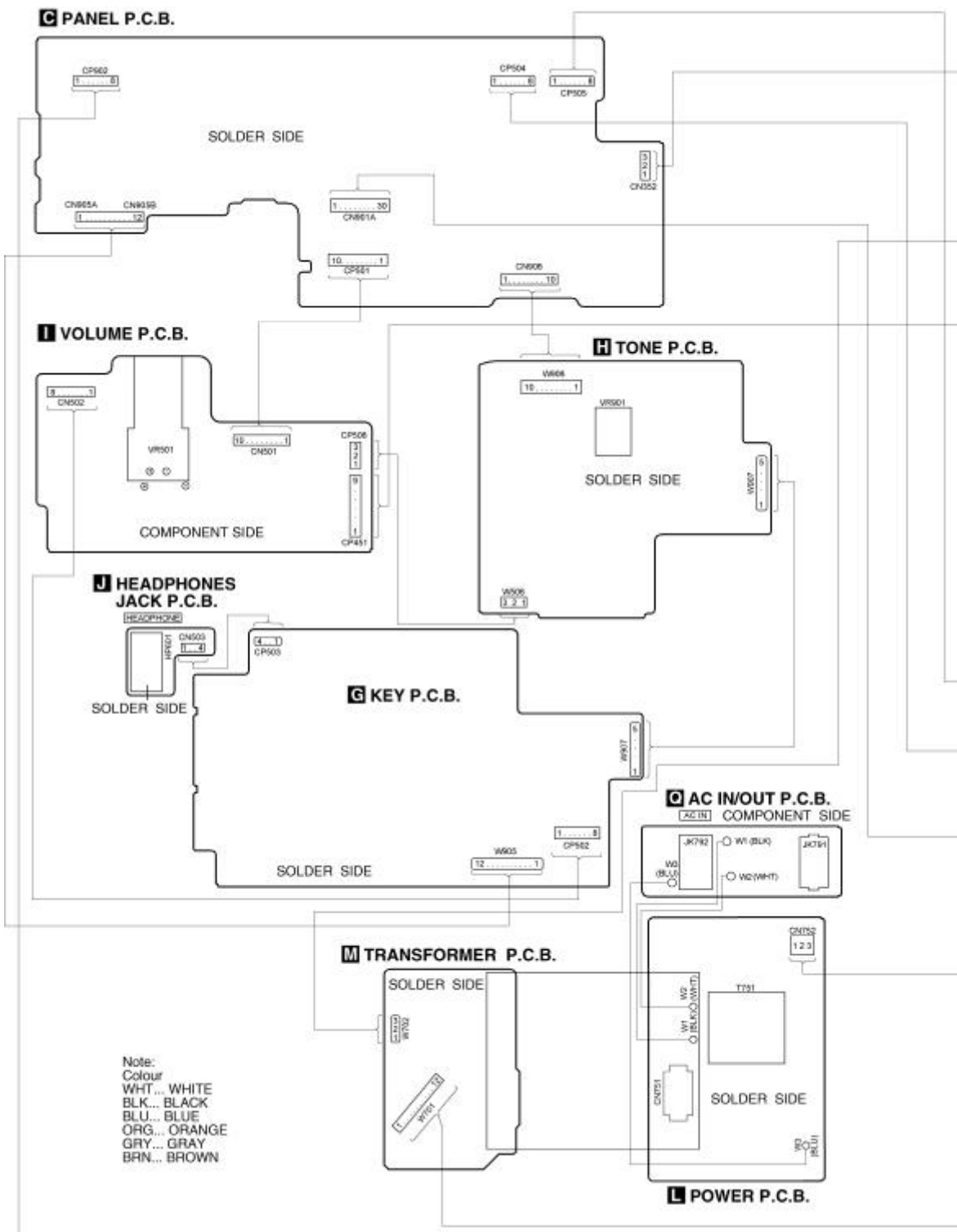
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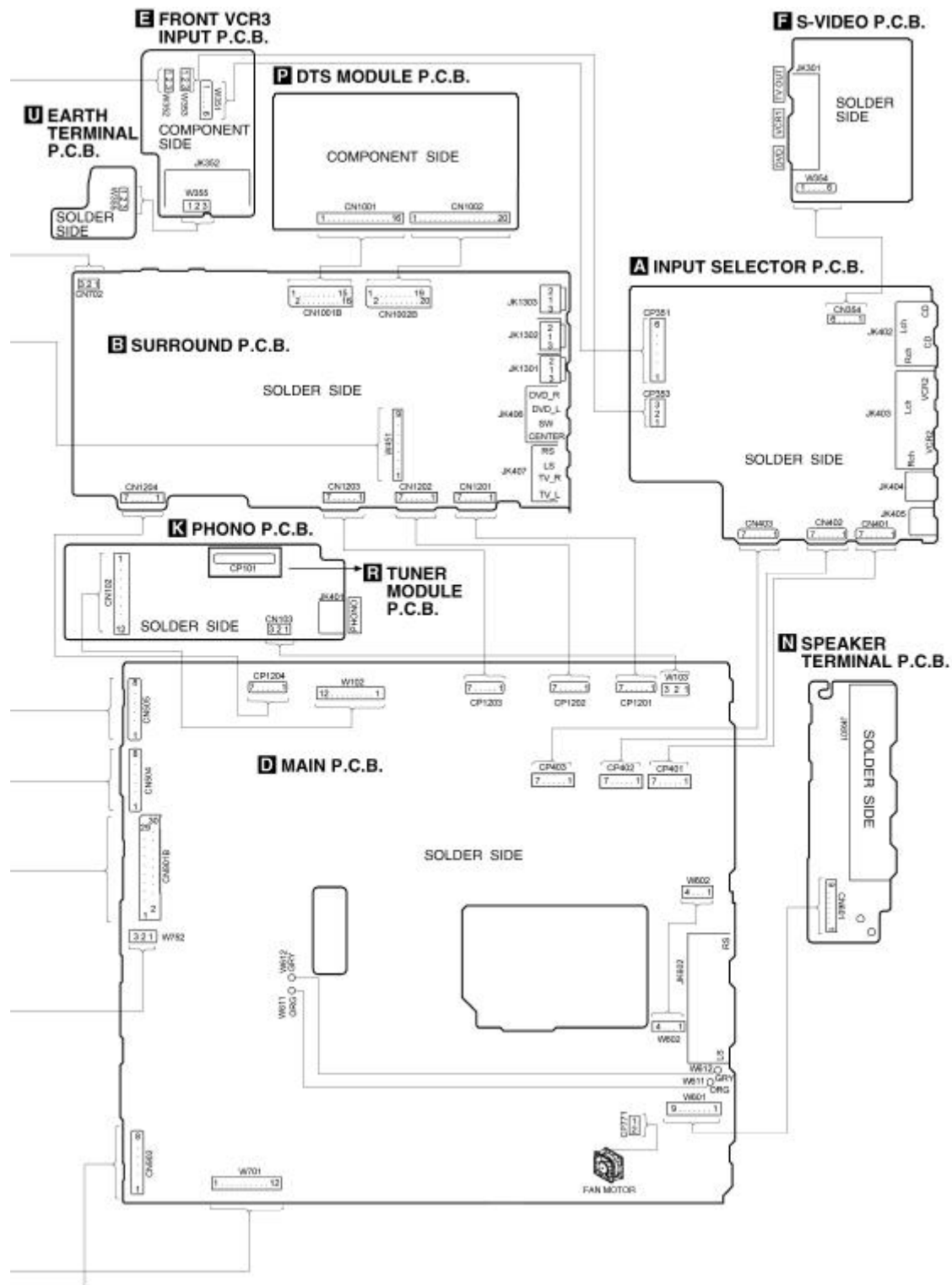


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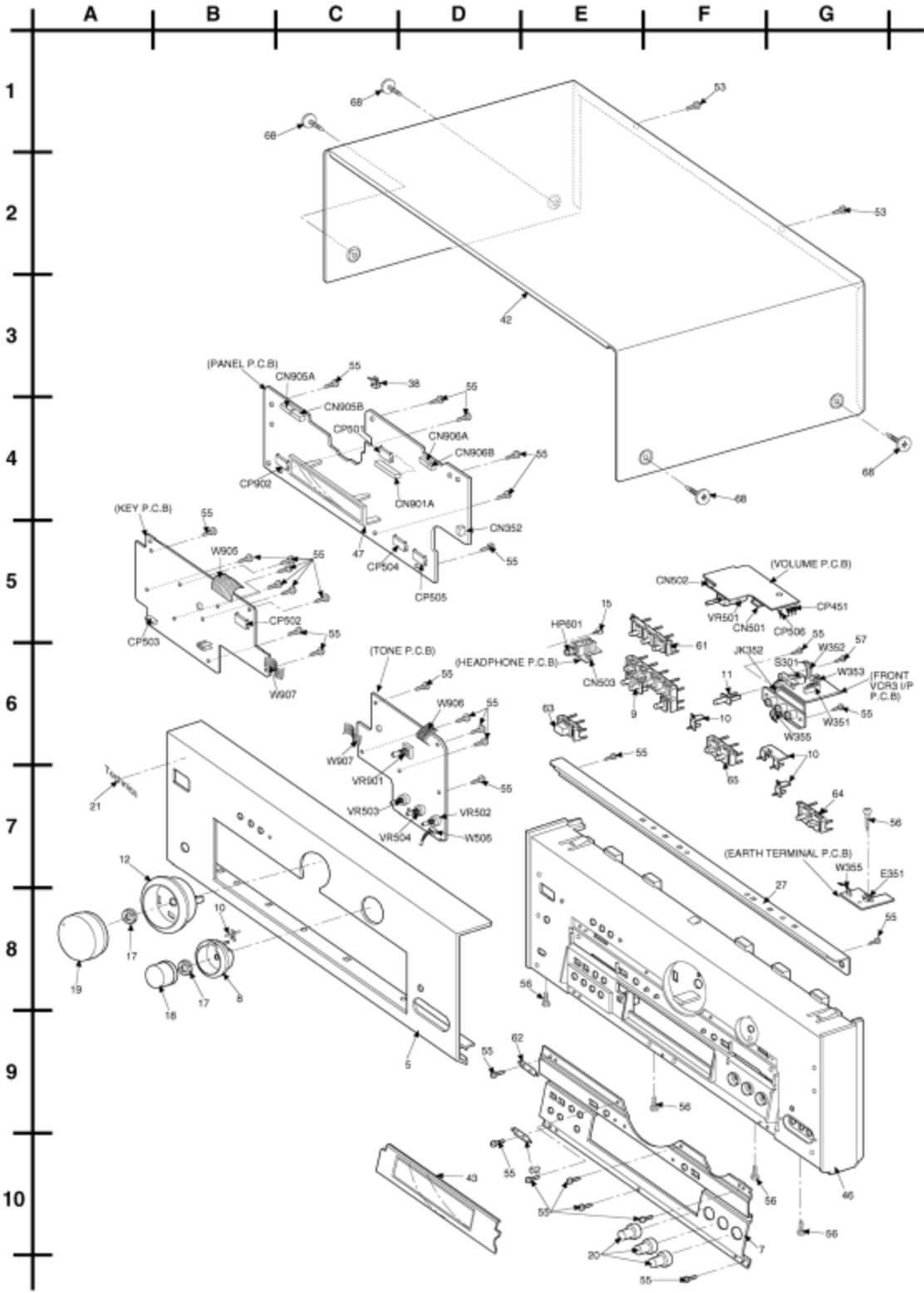
12 Wiring Connection Diagram

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13.1.1 Cabinet Parts Location

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13.1.2 Cabinet Parts List

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| Ref. No. | Part No. | Part Name & Description | Remarks |
|--------------------|-------------|-------------------------|---------|
| | | CABINET AND CHASSIS | |
| 1 | REE0785A | FFC WIRE | [M] |
| 2 | REE0786A | FFC WIRE | [M] |
| 3 | REE1014 | FFC WIRE | [M] |
| 4 | REM0080B | FAN UNIT | [M] |
| 5 | RGG0178G-K1 | AL PANEL | [M]PP-K |
| 5 | RGG0178G-N1 | AL PANEL | [M]PP-N |
| 7 | RGG0181-K | SUB PANEL | [M]PP-K |
| 7 | RGG0181-N | SUB PANEL | [M]PP-N |
| 8 | RGK0994-2N | SELECTOR RING | [M]PP-N |
| 8 | RGK0994-N | SELECTOR RING | [M]PP-K |
| 9 | RGU1865A-K | MODE BUTTON | [M]PP-K |
| 9 | RGU1865A-N | MODE BUTTON | [M]PP-N |
| 10 | RGL0498-Q | LIGHT GUIDE UNIT | [M] |
| 11 | RGU1390-K | VCR2 BUTTON | [M]PP-K |
| 11 | RGU1390-N | VCR2 BUTTON | [M]PP-N |
| 12 | RGK1247-N | VOLUME RING | [M]PP-N |
| 12 | RGK1247-S | VOLUME RING | [M]PP-K |
| 15 | RHD26016 | SCREW (PHONE JACK) | [M] |
| 16 | RMA1232 | PCB ANGLE | [M] |
| 17 | RHN90001 | M9 NUT | [M] |
| 18 | RGW0346-K | TONE KNOB | [M]PP-K |
| 18 | RGW0346-N | TONE KNOB | [M]PP-N |
| 19 | RGW0347-K | VOLUME KNOB UNIT | [M]PP-K |
| 19 | RGW0347-N | VOLUME KNOB UNIT | [M]PP-N |
| 20 | RGW0348-K | SELECTOR KNOB UNIT | [M]PP-K |
| 20 | RGW0348-N | SELECTOR KNOB UNIT | [M]PP-N |
| 21 | RGB0031-A1L | TECH BADGE | [M] |
| 23 | RKA0079A-A | LEG UNIT | [M] |
| 24 | RMK0391 | BOTTOM CHASSIS | [M] |
| 25 | RKQ0089A | PCB SUPPORT | [M] |
| 26 | RMN0392 | PCB SUPPORT | [M] |
| 27 | RMA1323 | SUPPORT BAR (A) | [M] |
| 28 | RMA1324A | SUPPORT BAR B | [M] |
| 29 | SHR9112 | PLASTIC RIVET | [M] |
| 30 | RSC0529 | SHIELD PLATE | [M] |
| 31 | RGQ0231-K | FAN COVER | [M] |
| 32 | RGR0299D-A | REAR PANEL | [M] |
| 33 | SJS9233A | AC OUTLET COVER | [M] |
| 34 | SJS9234A | AC INLET COVER | [M] |
| 36 | RXX0221 | HEAT SINK UNIT | [M] |
| 37 | RMC0158-S | TRANSISTOR HOLDER | [M] |
| 38 | SHRD163 | CORD HOLDER | [M] |
| 39 | SHR301 | WIRE CRAMPER | [M] |

| | | | |
|--------------------|-------------|---------------------|---------|
| 41 | RMA1327 | BUS BAR | [M] |
| 42 | RKM0373A-K | TOP CABINET | [M]PP-K |
| 42 | RKM0373A-N | TOP CABINET | [M]PP-N |
| 43 | RKW0605-Q | FL WINDOW | [M] |
| 44 | RHD30070 | EARTH TERMINAL | [M] |
| 45 | RSC0528 | SHIELD CASE | [M] |
| 46 | RGP0791-K | GRILL | [M]PP-K |
| 46 | RGP0791-N | GRILL | [M]PP-N |
| 47 | RMN0588 | FL HOLDER | [M] |
| 48 | RMZ0514 | BUS BAR INSURATOR | [M] |
| 50 | RMR1312-K | PLASTIC RIVET | [M] |
| 51 | XTB3+20JFZ | SCREW | [M] |
| 52 | XTB3+35JFZ | SCREW (FAN) | [M] |
| 53 | XTB3+8FFZ | SCREW | [M] |
| 54 | XTB3+8JFZ | SCREW | [M] |
| 55 | XTBS26+10J | SCREW | [M] |
| 56 | XTBS3+8JFZ1 | SCREW | [M] |
| 57 | XTN26+8GFZ | SCREW (COBRA COVER) | [M] |
| 59 | XTW3+15T | SCREW | [M] |
| 60 | XYN26+C6 | SCREW | [M] |
| 61 | RGU1864A-K | SPK BUTTON | [M]PP-K |
| 61 | RGU1864A-N | SP BUTTON | [M]PP-N |
| 62 | RMC0401 | EARTH PLATE | [M] |
| 63 | RGU1863A-K | POWER BUTTON | [M]PP-K |
| 63 | RGU1863A-N | POWER BUTTON | [M]PP-N |
| 64 | RGU1863C-K | MONITOR BUTTON | [M]PP-K |
| 64 | RGU1863C-N | MONITOR BUTTON | [M]PP-N |
| 65 | RGU1864B-K | VGCA BUTTON | [M]PP-K |
| 65 | RGU1864B-N | VGCA BUTTON | [M]PP-N |
| 68 | RHD30091-K | SCREW | [M]PP-K |
| 68 | RHD30091-S | SCREW | [M]PP-N |
| 71 | RMZ0555 | OUTLET SHEET | [M] |

[TOP](#) [PREVIOUS](#) [NEXT](#)

13.1 Cabinet

[TOP](#) [PREVIOUS](#) [NEXT](#)



[13.1.1 Cabinet Parts Location](#)












[13.1.2 Cabinet Parts List](#)









[TOP](#) [PREVIOUS](#) [NEXT](#)
























13.2 Components Parts List

[TOP](#) [PREVIOUS](#) [NEXT](#)

| Ref. No. | Part No. | Part Name & Description | Remarks |
|----------|--------------|--|---|
| | | P.C.B. | |
| | REP3161B-M | MAIN P.C.B./TRANSFORMER P.C.B. | [M]RTL |
| | REP3020J-S | FRONT VCR3 INPUT P.C.B./S-VIDEO P.C.B./HEADPHONES JACK P.C.B./PHONO P.C.B./EARTH TERMINAL P.C.B./PANEL P.C.B./TONE P.C.B./KEY P.C.B. | [M]RTL |
| | REP3162B-P | SURROUND P.C.B./INPUT SELECTOR P.C.B./VOLUME P.C.B./POWER P.C.B./SPEAKER TERMINAL P.C.B./AC IN/OUT P.C.B. | [M]RTL |
| | RAN0001MM | TUNER MODULE P.C.B. | [M]RTL |
| | REP2703D-T | DTS MODULE P.C.B. | [M]RTL |
| | | SCREW | |
| SC1701 | XYN3+F8 | SCREW | [M] |
| | | INTEGRATED CIRCUITS | |
| IC301 | NJM2279D | IC VIDEO SELECTOR SW | [M] |
| IC302 | NJM2279D | IC VIDEO SELECTOR SW | [M] |
| IC351 | NJM2296D | IC VIDEO SELECTOR | [M] |
| IC401 | TC9163AN | IC SELECTOR | [M] |
| IC402 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC403 | TC9162AN | IC SELECTOR | [M] |
| IC405 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC406 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC451 | AN6558F | IC PHONO EQ AMP | [M] |
| IC501 | BA6218 | IC MOTOR DRIVER | [M] |
| IC502 | NJM4580EDTE1 | IC TONE AMP | [M] |
| IC503 | NJM4580EDTE1 | IC TONE AMP | [M] |
| IC504 | NJM4580EDTE1 | IC TONE AMP | [M] |
| IC505 | NJM4580DD | IC TONE AMP | [M] |
| IC506 | NJM4580DD | IC TONE AMP | [M] |
| IC507 | NJM4580DD | IC TONE AMP | [M] |
| IC508 | NJM4580DD | IC TONE AMP | [M] |
| IC601 | RSN310R37A-P | IC 3 CH HIC | [M]  |
| IC602 | RSN310R37A-P | IC 3 CH HIC | [M]  |
| IC901 | M38B57MCA266 | IC SYSTEM CONTROL | [M] |
| IC902 | BU2090A | IC EXPANDER | [M] |
| IC1001 | CS49326-CLR | IC AC-3/DTS DECODER | [M] |
| IC1002 | C0FBZJ000004 | IC DIR/DAC/VOL | [M] |
| IC1003 | SN74LV244APW | IC LOGIC | [M] |
| IC1004 | SN7AHCT244PW | IC LOGIC | [M] |
| IC1005 | SN74HCU04APW | IC LOGIC | [M] |
| IC1006 | SNAHC1U04DBV | IC SINGLE INVERTER | [M] |
| IC1201 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1202 | NJM4580EDTE1 | IC OP AMP | [M] |









| | | | |
|--------|---------------|-------------------|---|
| IC1203 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1204 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1205 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1206 | NJM2115D | IC OP AMP | [M] |
| IC1207 | NJM2115D | IC OP AMP | [M] |
| IC1208 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1209 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1210 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1211 | TC9482N | IC 6CH VOLUME | [M] |
| IC1701 | PQ30RV11 | IC 2.5V REGULATOR | [M]  |
| IC1901 | M38B57M6170F | IC SYSTEM CONTROL | [M] |
| | | | |
| | | TRANSISTORS | |
| | | | |
| Q351 | 2SC3940AQSTA | TRANSISTOR | [M]  |
| Q352 | 2SA1534AQRTA | TRANSISTOR | [M]  |
| Q501 | RVTDTTC143XST | TRANSISTOR | [M] |
| Q502 | RVTDTTC143XST | TRANSISTOR | [M] |
| Q503 | RVTDTTC143XST | TRANSISTOR | [M] |
| Q507 | 2SD1915FTA | TRANSISTOR | [M] |
| Q508 | 2SD1915FTA | TRANSISTOR | [M] |
| Q509 | 2SD1915FTA | TRANSISTOR | [M] |
| Q510 | 2SD1915FTA | TRANSISTOR | [M] |
| Q511 | 2SD1915FTA | TRANSISTOR | [M] |
| Q512 | 2SD1915FTA | TRANSISTOR | [M] |
| Q513 | 2SD1915FTA | TRANSISTOR | [M] |
| Q514 | 2SD1915FTA | TRANSISTOR | [M] |
| Q515 | 2SD1915FTA | TRANSISTOR | [M] |
| Q516 | 2SD1915FTA | TRANSISTOR | [M] |
| Q601 | RVTDTA143XST | TRANSISTOR | [M] |
| Q602 | RVTDTA143XST | TRANSISTOR | [M] |
| Q603 | RVTDTA143XST | TRANSISTOR | [M] |
| Q606 | RVTDTA114EST | TRANSISTOR | [M] |
| Q607 | RVTDTA143XST | TRANSISTOR | [M] |
| Q614 | RVTDTA114EST | TRANSISTOR | [M] |
| Q651 | RVTDTA143XST | TRANSISTOR | [M] |
| Q653 | RVTDTA143XST | TRANSISTOR | [M] |
| Q701 | 2SD2374PQAU | TRANSISTOR | [M]  |
| Q703 | 2SC1740SSTA | TRANSISTOR | [M]  |
| Q704 | 2SC1740SSTA | TRANSISTOR | [M]  |
| Q706 | 2SC3940AQSTA | TRANSISTOR | [M] |
| Q707 | 2SA1534AQRTA | TRANSISTOR | [M]  |
| Q708 | 2SB1548PQAU | TRANSISTOR | [M]  |
| Q723 | RVTDTA114EST | TRANSISTOR | [M]  |
| Q724 | RVTDTTC114EST | TRANSISTOR | [M]  |
| Q725 | RVTDTTC114YST | TRANSISTOR | [M]  |
| Q751 | RVTDTTC143XST | TRANSISTOR | [M] |
| Q752 | 2SC3940AQSTA | TRANSISTOR | |



| | | | |
|-------|--------------|------------|--|
| | | | [M]  |
| Q753 | 2SK2880CTA | TRANSISTOR | [M]  |
| Q754 | RVTDTC114EST | TRANSISTOR | [M]  |
| Q772 | 2SC1740SSTA | TRANSISTOR | [M] |
| Q773 | 2SB621AQSTA | TRANSISTOR | [M] |
| Q774 | RVTDTA113ZST | TRANSISTOR | [M] |
| Q775 | RVTDTA114EST | TRANSISTOR | [M] |
| Q776 | 2SC1740SSTA | TRANSISTOR | [M] |
| Q777 | 2SA933SSTA | TRANSISTOR | [M] |
| Q778 | 2SA933SSTA | TRANSISTOR | [M] |
| Q780 | 2SA933SSTA | TRANSISTOR | [M] |
| Q781 | 2SC1740SSTA | TRANSISTOR | [M] |
| Q901 | RVTDTC114YST | TRANSISTOR | [M] |
| Q902 | 2SA933SSTA | TRANSISTOR | [M]  |
| Q1001 | DTA114YETL | TRANSISTOR | [M]  |
| Q1201 | 2SD1915FTA | TRANSISTOR | [M] |
| Q1681 | 2SD1915FTA | TRANSISTOR | [M] |
| Q1682 | 2SD1915FTA | TRANSISTOR | [M] |
| Q1701 | 2SD2137PQTA | TRANSISTOR | [M]  |
| Q1702 | 2SD2374PQAU | TRANSISTOR | [M]  |
| Q1703 | 2SC1740SSTA | TRANSISTOR | [M]  |
| Q1901 | RVTDTC114YST | TRANSISTOR | [M] |
| Q1902 | 2SA933SSTA | TRANSISTOR | [M] |
| | | | |
| | | DIODES | |
| | | | |
| D301 | RVD1SS133TA | DIODE | [M] |
| D302 | RVD1SS133TA | DIODE | [M] |
| D351 | RVD1SS133TA | DIODE | [M] |
| D352 | RVD1SS133TA | DIODE | [M] |
| D353 | MTZJ5R6BTA | DIODE | [M] |
| D354 | MTZJ5R6BTA | DIODE | [M] |
| D402 | MTZJ7R5CTA | DIODE | [M] |
| D501 | RVD1SS133TA | DIODE | [M] |
| D502 | RVD1SS133TA | DIODE | [M] |
| D503 | RVD1SS133TA | DIODE | [M] |
| D504 | RVD1SS133TA | DIODE | [M] |
| D505 | RVD1SS133TA | DIODE | [M] |
| D601 | RK306LFU1 | DIODE | [M] |
| D602 | RK306LFU1 | DIODE | [M] |
| D605 | RVD1SS133TA | DIODE | [M] |
| D611 | RVD1SS133TA | DIODE | [M] |
| D612 | RVD1SS133TA | DIODE | [M] |
| D613 | RVD1SS133TA | DIODE | [M] |
| D614 | RVD1SS133TA | DIODE | [M] |
| D615 | RVD1SS133TA | DIODE | [M] |
| D616 | MTZJ10CTA | DIODE | [M] |
| D619 | RVD1SS133TA | DIODE | [M] |
| | | | |

| | | | |
|------|-------------|-------|---|
| D621 | RVD1SS133TA | DIODE | [M]  |
| D622 | RVD1SS133TA | DIODE | [M]  |
| D625 | MTZJ18BTA | DIODE | [M] |
| D626 | RVD1SS133TA | DIODE | [M] |
| D651 | RK306LFU1 | DIODE | [M] |
| D652 | RK306LFU1 | DIODE | [M] |
| D701 | 1N5402BM21 | DIODE | [M] |
| D702 | 1N5402BM21 | DIODE | [M] |
| D703 | 1N5402BM21 | DIODE | [M]  |
| D704 | 1N5402BM21 | DIODE | [M]  |
| D705 | MTZJ6R2BTA | DIODE | [M] |
| D707 | MTZJ30BTA | DIODE | [M]  |
| D708 | MTZJ16CTA | DIODE | [M]  |
| D721 | 1N5402BM21 | DIODE | [M]  |
| D722 | 1N5402BM21 | DIODE | [M]  |
| D723 | 1N5402BM21 | DIODE | [M]  |
| D724 | 1N5402BM21 | DIODE | [M]  |
| D725 | 1N5402BM21 | DIODE | [M]  |
| D726 | 1N5402BM21 | DIODE | [M]  |
| D727 | 1N5402BM21 | DIODE | [M]  |
| D728 | 1N5402BM21 | DIODE | [M]  |
| D731 | RVD1SS133TA | DIODE | [M] |
| D732 | RVD1SS133TA | DIODE | [M] |
| D741 | 1SR35400V | DIODE | [M]  |
| D742 | 1SR35400V | DIODE | [M]  |
| D743 | 1SR35400V | DIODE | [M]  |
| D744 | 1SR35400V | DIODE | [M]  |
| D751 | 1SR35400V | DIODE | [M]  |
| D752 | 1SR35400V | DIODE | [M]  |
| D753 | 1SR35400V | DIODE | [M]  |
| D754 | 1SR35400V | DIODE | [M]  |
| D755 | RVD1SS133TA | DIODE | [M] |
| D756 | MTZJ6R8BTA | DIODE | [M]  |
| D757 | MTZJ16CTA | DIODE | [M] |
| D768 | MTZJ3R3ATA | DIODE | [M] |
| D769 | RVD1SS133TA | DIODE | [M] |
| D770 | RVD1SS133TA | DIODE | [M] |
| D771 | RB721Q40T77 | DIODE | [M] |
| D772 | RB721Q40T77 | DIODE | [M] |
| D773 | MTZJ8R2CTA | DIODE | [M] |
| D774 | RB721Q40T77 | DIODE | [M] |
| D901 | 1SS291TA | DIODE | [M] |
| D902 | RVD1SS133TA | DIODE | [M] |
| D903 | MTZJ5R6BTA | DIODE | [M] |
| | | | |



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|--------|--------------|---------------------|-----|
| D904 | MTZJ3R9ATA | DIODE | [M] |
| D908 | RVD1SS133TA | DIODE | [M] |
| D909 | RVD1SS133TA | DIODE | [M] |
| D933 | SLR325MCT31 | DIODE | [M] |
| D934 | SLR325YCT31 | DIODE | [M] |
| D935 | SLR325VCT31 | DIODE | [M] |
| D936 | SLR325YCT31 | DIODE | [M] |
| D937 | SLR325VCT31 | DIODE | [M] |
| D1701 | RVD1SS133TA | DIODE | [M] |
| D1702 | MTZJ6R2CTA | DIODE | [M] |
| D1901 | MTZJ3R9ATA | DIODE | [M] |
| D1902 | RVD1SS133TA | DIODE | [M] |
| D1903 | RVD1SS133TA | DIODE | [M] |
| | | | |
| | | VARIABLE RESISTORS | |
| | | | |
| VR501 | EUWM6E026B24 | VR MOTOR VOLUME | [M] |
| VR502 | EWC4YA016G54 | VR BALANCE | [M] |
| VR503 | EWC1XA016C15 | VR BASS CONTROL | [M] |
| VR504 | EWC1XA016C15 | VR TREBLE CONTROL | [M] |
| VR901 | EVQVBHFK112B | VR BALANCE CONTROL | [M] |
| | | | |
| | | SWITCHES | |
| | | | |
| S301 | RSP2D018-A | SW SLIDE | [M] |
| S901 | EVQ21405R | SW POWER | [M] |
| S902 | EVQ21405R | SW SPEAKER B | [M] |
| S903 | EVQ21405R | SW BAND | [M] |
| S904 | EVQ21405R | SW FM MODE | [M] |
| S905 | EVQ21405R | SW TUNING DOWN | [M] |
| S906 | EVQ21405R | SW TUNING UP | [M] |
| S907 | EVQ21405R | SW MEMORY | [M] |
| S908 | EVQ21405R | SW PRESET | [M] |
| S909 | EVQ21405R | SW DISPLAY MODE | [M] |
| S911 | EVQ21405R | SW SPEAKER A | [M] |
| S912 | EVQ21405R | SW BI-WIRE | [M] |
| S913 | EVQ21405R | SW VGCA | [M] |
| S914 | EVQ21405R | SW DVD 6CH | [M] |
| S917 | EVQ21405R | SW DIGITAL | [M] |
| S918 | EVQ21405R | SW TAPE MONITOR | [M] |
| | | | |
| | | CONNECTORS | |
| | | | |
| CN102A | RJS1A6606T1 | 6P TAPING CONNECTOR | [M] |
| CN102B | RJS1A6606T1 | 6P TAPING CONNECTOR | [M] |
| CN103 | RJS1A6603T1 | 3P TAPING CONNECTOR | [M] |
| CN352 | RJS1A6603T1 | 3P TAPING CONNECTOR | [M] |
| CN354 | RJS1A6606T1 | 6P TAPING CONNECTOR | [M] |
| CN401 | RJU100W07 | 7P CONNECTOR | [M] |
| CN402 | RJU100W07 | 7P CONNECTOR | [M] |

| | | | |
|---------|--------------|----------------------|-----|
| CN403 | RJU100W07 | 7P CONNECTOR | [M] |
| CN501 | RJU003K010M1 | 10P B/B CONNECTOR | [M] |
| CN502 | RJU003K008M1 | BOAD IN CONNECTOR | [M] |
| CN503 | RJU100W04 | 4P CONNECTOR | [M] |
| CN504 | RJU003K008M1 | BOAD IN CONNECTOR | [M] |
| CN505 | RJU003K008M1 | BOAD IN CONNECTOR | [M] |
| CN601 | RJS9T6ZA | CONNECTOR | [M] |
| CN702 | RJS1A6603T1 | 3P TAPING CONNECTOR | [M] |
| CN751 | SJS305-1 | 3P CONNECTOR | [M] |
| CN752 | RJS1A6603T1 | 3P TAPING CONNECTOR | [M] |
| CN901A | RJS2A8430 | CONNECTOR | [M] |
| CN901B | RJS2A5630 | CONNECTOR | [M] |
| CN902 | RJU003K008M1 | BOAD IN CONNECTOR | [M] |
| CN905A | RJS1A6606T1 | 6P TAPING CONNECTOR | [M] |
| CN905B | RJS1A6606T1 | 6P TAPING CONNECTOR | [M] |
| CN906A | RJS1A6606T1 | 6P TAPING CONNECTOR | [M] |
| CN906B | RJS1A6604T1 | 4P TAPING CONNECTOR | [M] |
| CN1001 | RJS2A4816T | CONNECTOR | [M] |
| CN1001B | RJS2A4216-F | 16P CONNECTOR | [M] |
| CN1002 | RJS2A4820T | CONNECTOR | [M] |
| CN1002B | RJS2A4220-F | 20P CONNECTOR | [M] |
| CN1201 | RJU100W07 | 7P CONNECTOR | [M] |
| CN1202 | RJU100W07 | 7P CONNECTOR | [M] |
| CN1203 | RJU100W07 | 7P CONNECTOR | [M] |
| CN1204 | RJU100W07 | 7P CONNECTOR | [M] |
| CP101 | RJT100W11 | 11P CONNECTOR | [M] |
| CP351 | RJP6G9YA | 6P CONNECTOR | [M] |
| CP353 | RJP3G9YA | CONNECTOR | [M] |
| CP401 | RJT100W07 | 7P CONNECTOR | [M] |
| CP402 | RJT100W07 | 7P CONNECTOR | [M] |
| CP403 | RJT100W07 | 7P CONNECTOR | [M] |
| CP451 | RJP9G9YA | 9P CONNECTOR | [M] |
| CP501 | RJT003K010M1 | 10P CONNECTOR | [M] |
| CP502 | RJT003K008M1 | 8P CONNECTOR | [M] |
| CP503 | RJT100W04 | 4P CONNECTOR | [M] |
| CP504 | RJT003K008M1 | 8P CONNECTOR | [M] |
| CP505 | RJT003K008M1 | 8P CONNECTOR | [M] |
| CP506 | RJP3G9YA | CONNECTOR | [M] |
| CP771 | SJT3213 | CONNECTOR (FAN) | [M] |
| CP902 | RJT003K008M1 | 8P CONNECTOR | [M] |
| CP1201 | RJT100W07 | 7P CONNECTOR | [M] |
| CP1202 | RJT100W07 | 7P CONNECTOR | [M] |
| CP1203 | RJT100W07 | 7P CONNECTOR | [M] |
| CP1204 | RJT100W07 | 7P CONNECTOR | [M] |
| | | | |
| | | COILS & TRANSFORMERS | |
| | | | |
| L501 | RLQZP1R0KT-Y | AXIAL COIL | [M] |
| L502 | RLQZP1R0KT-Y | AXIAL COIL | [M] |
| L601 | RLQYR73MW-E | CHOKE COIL | [M] |
| L602 | | | |


| | | | |
|--------|--------------|-----------------------|---|
| | RLQYR73MW-E | CHOKE COIL | [M] |
| L603 | RLQYR73MW-E | CHOKE COIL | [M] |
| L604 | RLQYR73MW-E | CHOKE COIL | [M] |
| L605 | RLQYR73MW-E | CHOKE COIL | [M] |
| L701 | RLQT801M-W | CHOKE COIL | [M]  |
| L751 | RLQB101KTA-Y | CHOKE COIL | [M] |
| L901 | RLQB101KTA-Y | CHOKE COIL | [M] |
| L1001 | RLQM2R2KT2-W | CHIP INDUCTOR | [M] |
| L1002 | RLQM2R2KT2-W | CHIP INDUCTOR | [M] |
| L1003 | RLQM2R2KT2-W | CHIP INDUCTOR | [M] |
| L1004 | RLQM2R2KT2-W | CHIP INDUCTOR | [M] |
| L1301 | RLQZP1R0KT-Y | AXIAL COIL | [M] |
| L1302 | RLQZ150M-0 | CHOKE COIL | [M] |
| L1901 | RLQB101KTA-Y | CHOKE COIL | [M] |
| T701 | RTP2Q5C002 | POWER TRANSFORMER | [M]  |
| T751 | RTP1H5C005 | STANDBY TRANSFORMER | [M]  |
| | | COMPONENT COMBINATION | |
| | | | |
| Z101 | RAN0001MM | TUNER | [M] |
| Z751 | ERZV10V511CS | ZENER | [M]  |
| Z901 | RCDRPM6937H4 | REMOTE SENSOR | [M] |
| Z1301 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| Z1302 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| Z1303 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| Z1304 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| Z1305 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| Z1306 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| Z1307 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| Z1308 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| | | CERAMIC FILTERS | |
| | | | |
| CF901 | RVBCST4R00MT | CERAMIC OSCILLATOR | [M] |
| CF1901 | RVBCST4R00MT | CERAMIC OSCILLATOR | [M] |
| | | RELAY | |
| | | | |
| RL501 | RSY0045M-D | SIGNAL RELAY | [M] |
| RL502 | RSY0045M-D | SIGNAL RELAY | [M] |
| RL503 | RSY0045M-D | SIGNAL RELAY | [M] |
| RL504 | RSY0045M-D | SIGNAL RELAY | [M] |
| RL505 | RSY0045M-D | SIGNAL RELAY | [M] |
| RL601 | RSY0038-C | RELAY | [M] |
| RL602 | RSY0038-C | RELAY | [M]  |
| RL603 | RSY0038-C | RELAY | [M]  |
| RL604 | RSY0038-C | RELAY | [M]  |
| RL605 | RSY0038-C | RELAY | [M]  |

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|--------|--------------|---------------------|---|
| RL751 | RSY0054-C | RELAY | [M]  |
| | | | |
| | | OSCILLATORS | |
| | | | |
| X1001 | RSXB12M2S01T | CYRSTAL OSCILLATOR | [M] |
| | | | |
| | | DISPLAY TUBE | |
| | | | |
| FL901 | RSL0303-F | FL | [M] |
| | | | |
| | | FUSES | |
| | | | |
| F1 | XBA1C80NBAL | FUSE | [M]  |
| F3 | XBA1C80NBAL | FUSE | [M]  |
| F4 | XBA1C80NBAL | FUSE | [M]  |
| F5 | XBA1C16NBAU | FUSE | [M]  |
| F6 | XBA1C40NBAL | FUSE | [M]  |
| | | | |
| | | FUSE HOLDERS | |
| | | | |
| FC701 | EYF52BC | FUSE HOLDER | [M] |
| FC702 | EYF52BC | FUSE HOLDER | [M] |
| FC703 | EYF52BC | FUSE HOLDER | [M] |
| FC704 | EYF52BC | FUSE HOLDER | [M] |
| FC705 | EYF52BC | FUSE HOLDER | [M] |
| FC706 | EYF52BC | FUSE HOLDER | [M] |
| FC707 | EYF52BC | FUSE HOLDER | [M] |
| FC708 | EYF52BC | FUSE HOLDER | [M] |
| FC709 | EYF52BC | FUSE HOLDER | [M] |
| FC710 | EYF52BC | FUSE HOLDER | [M] |
| | | | |
| | | JACKS | |
| | | | |
| HP601 | RJJ63TA01 | HP JACK | [M] |
| JK301 | RJS1D1304 | JK SPEAKER TERMINAL | [M] |
| JK352 | SJFK5-2A | JK VCR IN | [M] |
| JK401 | SJF3068-7N | JK RCA TERMINAL | [M] |
| JK402 | RJH3601-1 | JK 6P RCA | [M] |
| JK403 | RJH3901 | JACK | [M] |
| JK404 | RJH3210N | JK 2P RCA PIN | [M] |
| JK405 | SJF3068-9N | JK RCA TERMINAL | [M] |
| JK406 | SJF3069-23N | JK LINE IN | [M] |
| JK407 | SJF3069N | JK LINE IN | [M] |
| JK601 | RJH4803 | JK SPEAKER | [M] |
| JK602 | RJH4602 | JK SPEAKER | [M] |
| JK791 | SJS9234B | JK AC INLET | [M]  |
| JK792 | SJS9233B | JK AC OUTLET | [M]  |
| JK1301 | SJFD7-9 | JK 1P RCA | [M] |
| | | | |





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|--------|--------------|-------------------|-----|
| JK1302 | T0RX178B | JK OPTICAL MODULE | [M] |
| JK1303 | T0RX178B | JK OPTICAL MODULE | [M] |
| | | | |
| | | EARTH TERMINAL | |
| | | | |
| E351 | SNE1004-2 | EARTH TERMINAL | [M] |
| E401 | SNE1004-2 | EARTH TERMINAL | [M] |
| E601 | SNE1004-2 | EARTH TERMINAL | [M] |
| E1701 | SMY944 | HEAT SINK | [M] |
| | | | |
| | | WIRES | |
| | | | |
| W1 | REE0901 | WIRE | [M] |
| W2 | REE0907 | WIRE | [M] |
| W3 | REE0923 | WIRE | [M] |
| W102 | RWJ1812150CQ | WIRE | [M] |
| W103 | RWJ1803050SQ | WIRE | [M] |
| W351 | REX1033 | WIRE | [M] |
| W352 | RWJ1803100SQ | 3P WIRE | [M] |
| W353 | REX1032 | WIRE | [M] |
| W354 | RWJ1806200KQ | WIRE | [M] |
| W355 | RWJ1803100SS | EARTH WIRE UNIT | [M] |
| W451 | REX1034 | WIRE | [M] |
| W506 | REX1031 | WIRE | [M] |
| W601 | RWJ1809150KQ | WIRE | [M] |
| W602 | RWJ1804150SS | 4P WIRE | [M] |
| W611 | REE1016 | WIRE | [M] |
| W612 | REE1017 | WIRE | [M] |
| W701 | RWJ1812250SS | WIRE | [M] |
| W702 | RWJ1803430SQ | 3P WIRE | [M] |
| W752 | RWJ1803290SQ | 3P WIRE | [M] |
| W905 | RWJ1812170SQ | WIRE | [M] |
| W906 | RWJ1810170SQ | WIRE | [M] |
| W907 | RWJ1805100SS | 5P WIRE | [M] |
| | | | |
| | | RESISTORS | |
| | | | |
| R301 | ERDS2TJ750T | 75 1/4W | [M] |
| R302 | ERDS2TJ104T | 100K 1/4W | [M] |
| R303 | ERDS2TJ103T | 10K 1/4W | [M] |
| R304 | ERDS2TJ750T | 75 1/4W | [M] |
| R305 | ERDS2TJ750T | 75 1/4W | [M] |
| R306 | ERDS2TJ104T | 100K 1/4W | [M] |
| R307 | ERDS2TJ103T | 10K 1/4W | [M] |
| R308 | ERDS2TJ750T | 75 1/4W | [M] |
| R309 | ERDS2TJ750T | 75 1/4W | [M] |
| R310 | ERDS2TJ750T | 75 1/4W | [M] |
| R311 | ERDS2TJ750T | 75 1/4W | [M] |
| R312 | ERDS2TJ750T | 75 1/4W | [M] |
| R313 | ERDS2TJ750T | 75 1/4W | [M] |
| R314 | | | |






| | | | |
|------|--------------|-----------|--|
| | ERDS2TJ750T | 75 1/4W | [M] |
| R315 | ERDS2TJ102T | 1K 1/4W | [M] |
| R316 | ERDS2TJ102T | 1K 1/4W | [M] |
| R351 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R352 | ERDS2TJ750T | 75 1/4W | [M] |
| R353 | ERDS2TJ103T | 10K 1/4W | [M] |
| R354 | ERDS2TJ750T | 75 1/4W | [M] |
| R355 | ERDS2TJ103T | 10K 1/4W | [M] |
| R356 | ERDS2TJ750T | 75 1/4W | [M] |
| R357 | ERDS2TJ103T | 10K 1/4W | [M] |
| R358 | ERDS2TJ750T | 75 1/4W | [M] |
| R359 | ERDS2TJ103T | 10K 1/4W | [M] |
| R360 | ERDS2TJ750T | 75 1/4W | [M] |
| R361 | ERDS2TJ750T | 75 1/4W | [M] |
| R362 | ERDS2TJ750T | 75 1/4W | [M] |
| R363 | ERDS2TJ102T | 1K 1/4W | [M] |
| R364 | ERDS2TJ102T | 1K 1/4W | [M] |
| R365 | ERDS2TJ102T | 1K 1/4W | [M] |
| R367 | ERDS2TJ182T | 1.8K 1/4W | [M] |
| R368 | ERDS2TJ182T | 1.8K 1/4W | [M] |
| R369 | ERD2FCVG220T | 22 1/4W | [M]  |
| R370 | ERD2FCVG220T | 22 1/4W | [M]  |
| R401 | ERDS2TJ102T | 1K 1/4W | [M] |
| R402 | ERDS2TJ102T | 1K 1/4W | [M] |
| R403 | ERDS2TJ102T | 1K 1/4W | [M] |
| R404 | ERDS2TJ102T | 1K 1/4W | [M] |
| R405 | ERDS2TJ102T | 1K 1/4W | [M] |
| R406 | ERDS2TJ102T | 1K 1/4W | [M] |
| R407 | ERDS2TJ102T | 1K 1/4W | [M] |
| R408 | ERDS2TJ102T | 1K 1/4W | [M] |
| R409 | ERDS2TJ102T | 1K 1/4W | [M] |
| R410 | ERDS2TJ102T | 1K 1/4W | [M] |
| R411 | ERDS2TJ102T | 1K 1/4W | [M] |
| R412 | ERDS2TJ102T | 1K 1/4W | [M] |
| R413 | ERDS2TJ102T | 1K 1/4W | [M] |
| R414 | ERDS2TJ102T | 1K 1/4W | [M] |
| R415 | ERDS2TJ102T | 1K 1/4W | [M] |
| R416 | ERDS2TJ102T | 1K 1/4W | [M] |
| R417 | ERDS2TJ102T | 1K 1/4W | [M] |
| R418 | ERDS2TJ102T | 1K 1/4W | [M] |
| R419 | ERDS2TJ102T | 1K 1/4W | [M] |
| R420 | ERDS2TJ102T | 1K 1/4W | [M] |
| R421 | ERDS2TJ102T | 1K 1/4W | [M] |
| R422 | ERDS2TJ102T | 1K 1/4W | [M] |
| R423 | ERDS2TJ224T | 220K 1/4W | [M] |
| R424 | ERDS2TJ224T | 220K 1/4W | [M] |
| R425 | ERDS2TJ102T | 1K 1/4W | [M] |
| R426 | ERDS2TJ102T | 1K 1/4W | [M] |
| R427 | ERDS2TJ103T | 10K 1/4W | [M] |
| R428 | ERDS2TJ103T | 10K 1/4W | [M] |

| | | | |
|------|--------------|-----------|-----|
| R429 | ERDS2TJ103T | 10K 1/4W | [M] |
| R431 | ERDS2TJ102T | 1K 1/4W | [M] |
| R432 | ERDS2TJ102T | 1K 1/4W | [M] |
| R433 | ERDS2TJ104T | 100K 1/4W | [M] |
| R434 | ERDS2TJ104T | 100K 1/4W | [M] |
| R435 | ERDS2TJ473T | 47K 1/4W | [M] |
| R436 | ERDS2TJ473T | 47K 1/4W | [M] |
| R437 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R438 | ERDS2TJ102T | 1K 1/4W | [M] |
| R439 | ERDS2TJ102T | 1K 1/4W | [M] |
| R440 | ERDS2TJ103T | 10K 1/4W | [M] |
| R441 | ERDS2TJ103T | 10K 1/4W | [M] |
| R442 | ERDS2TJ103T | 10K 1/4W | [M] |
| R443 | ERDS2TJ104T | 100K 1/4W | [M] |
| R444 | ERDS2TJ104T | 100K 1/4W | [M] |
| R449 | ERDS1FVJ560T | 56 1/2W | [M] |
| R450 | ERDS1FVJ560T | 56 1/2W | [M] |
| R451 | ERDS2TJ224T | 220K 1/4W | [M] |
| R452 | ERDS2TJ224T | 220K 1/4W | [M] |
| R453 | ERDS2TJ821T | 820 1/4W | [M] |
| R454 | ERDS2TJ821T | 820 1/4W | [M] |
| R455 | ERDS2TJ563T | 56K 1/4W | [M] |
| R456 | ERDS2TJ563T | 56K 1/4W | [M] |
| R457 | ERDS2TJ271T | 270 1/4W | [M] |
| R458 | ERDS2TJ271T | 270 1/4W | [M] |
| R459 | ERDS2TJ680T | 68 1/4W | [M] |
| R460 | ERDS2TJ680T | 68 1/4W | [M] |
| R461 | ERDS2TJ184T | 180K 1/4W | [M] |
| R462 | ERDS2TJ184T | 180K 1/4W | [M] |
| R463 | ERDS2TJ123T | 12K 1/4W | [M] |
| R464 | ERDS2TJ123T | 12K 1/4W | [M] |
| R465 | ERDS2TJ563T | 56K 1/4W | [M] |
| R466 | ERDS2TJ563T | 56K 1/4W | [M] |
| R467 | ERDS2TJ473T | 47K 1/4W | [M] |
| R468 | ERDS2TJ473T | 47K 1/4W | [M] |
| R471 | ERDS2TJ104T | 100K 1/4W | [M] |
| R472 | ERDS2TJ104T | 100K 1/4W | [M] |
| R473 | ERDS2TJ473T | 47K 1/4W | [M] |
| R474 | ERDS2TJ473T | 47K 1/4W | [M] |
| R475 | ERDS2TJ104T | 100K 1/4W | [M] |
| R476 | ERDS2TJ104T | 100K 1/4W | [M] |
| R477 | ERDS2TJ473T | 47K 1/4W | [M] |
| R478 | ERDS2TJ473T | 47K 1/4W | [M] |
| R479 | ERDS2TJ473T | 47K 1/4W | [M] |
| R480 | ERDS2TJ473T | 47K 1/4W | [M] |
| R481 | ERDS2TJ102T | 1K 1/4W | [M] |
| R482 | ERDS2TJ104T | 100K 1/4W | [M] |
| R483 | ERDS2TJ473T | 47K 1/4W | [M] |
| R484 | ERDS2TJ473T | 47K 1/4W | [M] |
| R485 | ERDS2TJ473T | 47K 1/4W | [M] |
| R501 | | | |

| | | | |
|------|--------------|-----------|---|
| | ERDS2TJ103T | 10K 1/4W | [M] |
| R502 | ERDS2TJ103T | 10K 1/4W | [M] |
| R503 | ERDS1FVJ2R2T | 2.2 1/2W | [M]  |
| R504 | ERDS1FVJ181T | 180 1/2W | [M] |
| R505 | ERDS1FVJ181T | 180 1/2W | [M] |
| R506 | ERDS1FVJ181T | 180 1/2W | [M] |
| R507 | ERDS1FVJ181T | 180 1/2W | [M] |
| R508 | ERDS1FVJ181T | 180 1/2W | [M] |
| R511 | ERDS2TJ563T | 56K 1/4W | [M] |
| R512 | ERDS2TJ563T | 56K 1/4W | [M] |
| R513 | ERDS2TJ474T | 470K 1/4W | [M] |
| R514 | ERDS2TJ474T | 470K 1/4W | [M] |
| R515 | ERDS2TJ474T | 470K 1/4W | [M] |
| R516 | ERDS2TJ474T | 470K 1/4W | [M] |
| R517 | ERDS2TJ473T | 47K 1/4W | [M] |
| R518 | ERDS2TJ102T | 1K 1/4W | [M] |
| R519 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R520 | ERDS2TJ473T | 47K 1/4W | [M]PP-K |
| R521 | ERDS2TJ223T | 22K 1/4W | [M] |
| R522 | ERDS2TJ223T | 22K 1/4W | [M] |
| R523 | ERDS2TJ392T | 3.9K 1/4W | [M] |
| R524 | ERDS2TJ392T | 3.9K 1/4W | [M] |
| R525 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R526 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R527 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R528 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R529 | ERDS2TJ393T | 39K 1/4W | [M] |
| R530 | ERDS2TJ393T | 39K 1/4W | [M] |
| R531 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R533 | ERDS2TJ473T | 47K 1/4W | [M] |
| R534 | ERDS2TJ473T | 47K 1/4W | [M] |
| R535 | ERDS2TJ102T | 1K 1/4W | [M] |
| R536 | ERDS2TJ102T | 1K 1/4W | [M] |
| R537 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R538 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R539 | ERDS2TJ473T | 47K 1/4W | [M] |
| R540 | ERDS2TJ473T | 47K 1/4W | [M] |
| R541 | ERDPS2VF122T | 1.2K 1/4W | [M] |
| R542 | ERDPS2VF122T | 1.2K 1/4W | [M] |
| R543 | ERDS2TJ181T | 180 1/4W | [M] |
| R544 | ERDS2TJ181T | 180 1/4W | [M] |
| R545 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R546 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R547 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R549 | ERDS2TJ334T | 330K 1/4W | [M] |
| R550 | ERDS2TJ334T | 330K 1/4W | [M] |
| R551 | ERDS2TJ334T | 330K 1/4W | [M] |
| R552 | ERDS2TJ334T | 330K 1/4W | [M] |
| R553 | ERDS2TJ334T | 330K 1/4W | [M] |
| R554 | ERDS2TJ181T | 180 1/4W | [M] |

| | | | |
|------|--------------|-----------|-----|
| R555 | ERDS2TJ181T | 180 1/4W | [M] |
| R556 | ERDS2TJ181T | 180 1/4W | [M] |
| R559 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R560 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R563 | ERDS2TJ103T | 10K 1/4W | [M] |
| R564 | ERDS2TJ103T | 10K 1/4W | [M] |
| R565 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R566 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R567 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R568 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R569 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R570 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R571 | ERDS2TJ473T | 47K 1/4W | [M] |
| R572 | ERDS2TJ473T | 47K 1/4W | [M] |
| R573 | ERDS2TJ473T | 47K 1/4W | [M] |
| R574 | ERDS2TJ473T | 47K 1/4W | [M] |
| R575 | ERDS2TJ473T | 47K 1/4W | [M] |
| R576 | ERDS2TJ473T | 47K 1/4W | [M] |
| R577 | ERDS2TJ473T | 47K 1/4W | [M] |
| R579 | ERDS2TJ331T | 330 1/4W | [M] |
| R580 | ERDS2TJ331T | 330 1/4W | [M] |
| R581 | ERDS2TJ331T | 330 1/4W | [M] |
| R582 | ERDS2TJ331T | 330 1/4W | [M] |
| R583 | ERDS2TJ102T | 1K 1/4W | [M] |
| R584 | ERDS2TJ102T | 1K 1/4W | [M] |
| R585 | ERDS2TJ102T | 1K 1/4W | [M] |
| R586 | ERDS2TJ102T | 1K 1/4W | [M] |
| R587 | ERDS2TJ331T | 330 1/4W | [M] |
| R588 | ERDS2TJ331T | 330 1/4W | [M] |
| R589 | ERDS2TJ331T | 330 1/4W | [M] |
| R590 | ERDS2TJ331T | 330 1/4W | [M] |
| R591 | ERDS2TJ102T | 1K 1/4W | [M] |
| R592 | ERDS2TJ102T | 1K 1/4W | [M] |
| R593 | ERDS2TJ102T | 1K 1/4W | [M] |
| R594 | ERDS2TJ102T | 1K 1/4W | [M] |
| R595 | ERDS2TJ331T | 330 1/4W | [M] |
| R596 | ERDS2TJ331T | 330 1/4W | [M] |
| R597 | ERDS2TJ102T | 1K 1/4W | [M] |
| R598 | ERDS2TJ102T | 1K 1/4W | [M] |
| R601 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R602 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R603 | ERDPS2VF122T | 1.2K 1/4W | [M] |
| R604 | ERDPS2VF122T | 1.2K 1/4W | [M] |
| R605 | ERDS2TJ221T | 220 1/4W | [M] |
| R606 | ERDS2TJ221T | 220 1/4W | [M] |
| R607 | ERDPS2VF223T | 22K 1/4W | [M] |
| R608 | ERDPS2VF223T | 22K 1/4W | [M] |
| R609 | ERDS2TJ470T | 47 1/4W | [M] |
| R610 | ERDS2TJ470T | 47 1/4W | [M] |
| R611 | ERG1SJ100E | 10 1W | [M] |
| R612 | | | |

| | | | |
|------|--------------|-----------|---|
| | ERG1SJ100E | 10 1W | [M] |
| R616 | ERD25FVJ181T | 180 1/4W | [M] |
| R617 | ERD25FVJ181T | 180 1/4W | [M]  |
| R618 | ERD25FVJ181T | 180 1/4W | [M]  |
| R619 | ERD25FVJ181T | 180 1/4W | [M]  |
| R620 | ERD25FVJ181T | 180 1/4W | [M]  |
| R621 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R622 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R623 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R624 | ERD25FVJ4R7T | 4.7 1/4W | [M] |
| R625 | ERG1SJ101E | 100 1W | [M] |
| R626 | ERG1SJ101E | 100 1W | [M] |
| R627 | ERG1SJ101E | 100 1W | [M] |
| R628 | ERG1SJ101E | 100 1W | [M] |
| R629 | ERDS2TJ102T | 1K 1/4W | [M] |
| R631 | ERDS2TJ154T | 150K 1/4W | [M] |
| R632 | ERDS2TJ184T | 180K 1/4W | [M] |
| R633 | ERDS2TJ473T | 47K 1/4W | [M] |
| R634 | ERDS2TJ274T | 270K 1/4W | [M] |
| R635 | ERDS2TJ103T | 10K 1/4W | [M] |
| R637 | ERDS2TJ154T | 150K 1/4W | [M] |
| R638 | ERDS2TJ154T | 150K 1/4W | [M] |
| R640 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R641 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R642 | ERDPS2VF122T | 1.2K 1/4W | [M] |
| R643 | ERDPS2VF223T | 22K 1/4W | [M] |
| R644 | ERG1SJ100E | 10 1W | [M] |
| R645 | ERDS2TJ470T | 47 1/4W | [M] |
| R646 | ERDS2TJ221T | 220 1/4W | [M] |
| R647 | ERDS2TJ221T | 220 1/4W | [M] |
| R648 | ERDS2TJ182T | 1.8K 1/4W | [M] |
| R650 | ERDS2TJ223T | 22K 1/4W | [M] |
| R651 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R652 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R653 | ERDPS2VF122T | 1.2K 1/4W | [M] |
| R654 | ERDPS2VF122T | 22K 1/4W | [M] |
| R655 | ERDS2TJ221T | 220 1/4W | [M] |
| R656 | ERDS2TJ221T | 220 1/4W | [M] |
| R657 | ERDPS2VF223T | 22K 1/4W | [M] |
| R658 | ERDPS2VF223T | 22K 1/4W | [M] |
| R659 | ERDS2TJ470T | 47 1/4W | [M] |
| R660 | ERDS2TJ470T | 47 1/4W | [M] |
| R661 | ERG1SJ100E | 10 1W | [M] |
| R662 | ERG1SJ100E | 10 1W | [M] |
| R671 | ERDS2TJ681T | 680 1/4W | [M] |
| R672 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R673 | ERDS2TJ124T | 120K 1/4W | [M] |
| R674 | ERD25FVJ4R7T | 4.7 1/4W | [M] |
| R675 | ERDS2TJ222T | 2.2K 1/4W | [M] |



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|------|--------------|-----------|---|
| R676 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R679 | ERDS2TJ102T | 1K 1/4W | [M] |
| R680 | ERDS2TJ124T | 120K 1/4W | [M] |
| R681 | ERDS2TJ154T | 150K 1/4W | [M] |
| R682 | ERDS2TJ184T | 180K 1/4W | [M] |
| R683 | ERDS2TJ473T | 47K 1/4W | [M] |
| R684 | ERDS2TJ274T | 270K 1/4W | [M] |
| R685 | ERDS2TJ103T | 10K 1/4W | [M] |
| R687 | ERDS2TJ154T | 150K 1/4W | [M] |
| R688 | ERDS2TJ154T | 150K 1/4W | [M] |
| R691 | ERDS2TJ104T | 100K 1/4W | [M] |
| R694 | ERDS2TJ104T | 100K 1/4W | [M] |
| R705 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R706 | ERDS2TJ102T | 1K 1/4W | [M] |
| R707 | ERD25FVJ221T | 220 1/4W | [M] |
| R708 | ERDS2TJ152T | 1.5K 1/4W | [M] |
| R711 | ERDS2TJ752T | 7.5K 1/4W | [M] |
| R712 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R713 | ERDS2TJ390T | 39 1/4W | [M] |
| R714 | ERDS2TJ390T | 39 1/4W | [M] |
| R720 | ERDS2TJ103T | 10K 1/4W | [M] |
| R721 | ERDS1FVJ561T | 560 1/2W | [M]  |
| R722 | ERDS2TJ123T | 12K 1/4W | [M] |
| R723 | ERDS1FVJ1R2T | 1.2 1/2W | [M]  |
| R724 | ERDS1FVJ1R2T | 1.2 1/2W | [M]  |
| R725 | ERDS2TJ821T | 820 1/4W | [M] |
| R726 | ERD25FVJ101T | 100 1/4W | [M]  |
| R727 | ERD25FVJ101T | 100 1/4W | [M]  |
| R728 | ERDS2TJ274T | 270K 1/4W | [M] |
| R729 | ERDS2TJ274T | 270K 1/4W | [M] |
| R751 | ERC12UGK335D | 3.3M 1/4W | [M] |
| R752 | ERDS1FVJ220T | 22 1/2W | [M] |
| R755 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R766 | ERDS2TJ473T | 47K 1/4W | [M] |
| R767 | ERDS2TJ154T | 150K 1/4W | [M] |
| R768 | ERDS2TJ102T | 1K 1/4W | [M] |
| R769 | ERDS2TJ103T | 10K 1/4W | [M] |
| R770 | ERDS2TJ104T | 100K 1/4W | [M] |
| R771 | ERDS2TJ104T | 100K 1/4W | [M] |
| R773 | ERDS2TJ103T | 10K 1/4W | [M] |
| R774 | ERDS2TJ155T | 1.5M 1/4W | [M] |
| R775 | ERDS2TJ331T | 330 1/4W | [M] |
| R776 | ERDS1FVJ220T | 22 1/2W | [M] |
| R777 | ERDS2TJ154T | 150K 1/4W | [M] |
| R778 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R779 | ERDS2TJ103T | 10K 1/4W | [M] |
| R780 | ERDS1FVJ3R9T | 3.9 1/2W | [M] |
| R782 | ERDS2TJ390T | 39 1/4W | [M] |
| R784 | ERDS2TJ154T | 150K 1/4W | [M] |

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|------|-------------|-----------|-----|
| R786 | ERDS2TJ154T | 150K 1/4W | [M] |
| R791 | ERDS2TJ123T | 12K 1/4W | [M] |
| R792 | ERDS2TJ123T | 12K 1/4W | [M] |
| R793 | ERDS2TJ123T | 12K 1/4W | [M] |
| R794 | ERDS2TJ123T | 12K 1/4W | [M] |
| R795 | ERDS2TJ223T | 22K 1/4W | [M] |
| R797 | ERDS2TJ223T | 22K 1/4W | [M] |
| R798 | ERDS2TJ223T | 22K 1/4W | [M] |
| R799 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R901 | ERDS2TJ104T | 100K 1/4W | [M] |
| R902 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R903 | ERDS2TJ271T | 270 1/4W | [M] |
| R904 | ERDS2TJ121T | 120 1/4W | [M] |
| R905 | ERDS2TJ101T | 100 1/4W | [M] |
| R906 | ERDS2TJ474T | 470K 1/4W | [M] |
| R907 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R908 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R909 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R910 | ERDS2TJ223T | 22K 1/4W | [M] |
| R911 | ERDS2TJ223T | 22K 1/4W | [M] |
| R912 | ERDS2TJ104T | 100K 1/4W | [M] |
| R913 | ERDS2TJ102T | 1K 1/4W | [M] |
| R914 | ERDS2TJ102T | 1K 1/4W | [M] |
| R915 | ERDS2TJ103T | 10K 1/4W | [M] |
| R916 | ERDS2TJ104T | 100K 1/4W | [M] |
| R917 | ERDS2TJ104T | 100K 1/4W | [M] |
| R918 | ERDS2TJ104T | 100K 1/4W | [M] |
| R919 | ERDS2TJ101T | 100 1/4W | [M] |
| R920 | ERDS2TJ101T | 100 1/4W | [M] |
| R921 | ERDS2TJ473T | 47K 1/4W | [M] |
| R922 | ERDS2TJ102T | 1K 1/4W | [M] |
| R923 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R924 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R930 | ERDS2TJ103T | 10K 1/4W | [M] |
| R931 | ERDS2TJ102T | 1K 1/4W | [M] |
| R932 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R933 | ERDS2TJ152T | 1.5K 1/4W | [M] |
| R934 | ERDS2TJ182T | 1.8K 1/4W | [M] |
| R935 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R936 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R937 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R938 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R939 | ERDS2TJ271T | 270 1/4W | [M] |
| R940 | ERDS2TJ103T | 10K 1/4W | [M] |
| R941 | ERDS2TJ102T | 1K 1/4W | [M] |
| R942 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R943 | ERDS2TJ152T | 1.5K 1/4W | [M] |
| R944 | ERDS2TJ182T | 1.8K 1/4W | [M] |
| R945 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R946 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R947 | | | |

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|-------|--------------|------------|-----|
| | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R948 | ERDS2TJ271T | 270 1/4W | [M] |
| R949 | ERDS2TJ271T | 270 1/4W | [M] |
| R950 | ERDS2TJ271T | 270 1/4W | [M] |
| R951 | ERDS2TJ271T | 270 1/4W | [M] |
| R952 | ERDS2TJ103T | 10K 1/4W | [M] |
| R953 | ERDS2TJ103T | 10K 1/4W | [M] |
| R954 | ERDS2TJ101T | 100 1/4W | [M] |
| R955 | ERDS2TJ101T | 100 1/4W | [M] |
| R956 | ERDS2TJ102T | 1K 1/4W | [M] |
| R957 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R958 | ERDS2TJ473T | 47K 1/4W | [M] |
| R960 | ERDS2TJ104T | 100K 1/4W | [M] |
| R961 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1012 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1013 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1014 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1015 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1016 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1017 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1018 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1019 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1020 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1021 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1022 | ERJ3GEYJ472V | 4.7K 1/16W | [M] |
| R1023 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1024 | ERJ3GEYJ472V | 4.7K 1/16W | [M] |
| R1025 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1026 | ERJ3GEYJ330V | 33 1/16W | [M] |
| R1027 | ERJ3GEYJ472V | 4.7K 1/16W | [M] |
| R1028 | ERJ3GEYJ333V | 33K 1/16W | [M] |
| R1029 | ERJ3GEYJ472V | 4.7K 1/16W | [M] |
| R1030 | ERJ3GEYJ105V | 1M 1/16W | [M] |
| R1031 | ERJ3GEYJ122V | 1.2K 1/16W | [M] |
| R1032 | ERJ3GEYJ330V | 33 1/16W | [M] |
| R1033 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1034 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1035 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1036 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1037 | ERJ3GEYJ104Z | 100K 1/16W | [M] |
| R1038 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1039 | ERJ3GEYJ104Z | 100K 1/16W | [M] |
| R1040 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1041 | ERJ3GEYJ330V | 33 1/16W | [M] |
| R1042 | ERJ3GEYJ330V | 33 1/16W | [M] |
| R1043 | ERJ3GEYJ470V | 47 1/16W | [M] |
| R1044 | ERJ3GEYJ470V | 47 1/16W | [M] |
| R1045 | ERJ3GEYJ470V | 47 1/16W | [M] |
| R1046 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1047 | ERJ3GEYJ1R5V | 1.5 1/16W | [M] |
| R1048 | | | |

| | | | |
|-------|--------------|------------|-----|
| | ERJ3GEYJ104Z | 100K 1/16W | [M] |
| R1049 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1050 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1051 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1052 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1053 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1054 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1055 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1056 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1057 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1058 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1059 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1060 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1061 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1062 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1063 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1064 | ERJ3GEYJ331V | 330 1/16W | [M] |
| R1065 | ERJ3GEYJ331V | 330 1/16W | [M] |
| R1066 | ERJ3GEYJ331V | 330 1/16W | [M] |
| R1067 | ERJ3GEYJ331V | 330 1/16W | [M] |
| R1068 | ERJ3GEYJ473V | 47K 1/16W | [M] |
| R1069 | ERJ3GEYJ100V | 10 1/16W | [M] |
| R1201 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1202 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1203 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1204 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1205 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R1206 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R1207 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1208 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1209 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R1210 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R1211 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R1212 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R1213 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1214 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1215 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1216 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1217 | ERDS2TJ183T | 18K 1/4W | [M] |
| R1218 | ERDS2TJ183T | 18K 1/4W | [M] |
| R1219 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R1220 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R1221 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1222 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1223 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1224 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1225 | ERDS2TJ183T | 18K 1/4W | [M] |
| R1226 | ERDS2TJ183T | 18K 1/4W | [M] |
| R1227 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R1228 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R1229 | | | |

| | | | |
|-------|-------------|-----------|-----|
| | ERDS2TJ473T | 47K 1/4W | [M] |
| R1230 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1231 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1232 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1233 | ERDS2TJ103T | 10K 1/4W | [M] |
| R1234 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1235 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1236 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1237 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1238 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1239 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1240 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1241 | ERDS2TJ101T | 100 1/4W | [M] |
| R1242 | ERDS2TJ101T | 100 1/4W | [M] |
| R1243 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1244 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1245 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1246 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1247 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1249 | ERDS2TJ101T | 100 1/4W | [M] |
| R1250 | ERDS2TJ101T | 100 1/4W | [M] |
| R1251 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1252 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1253 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1254 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1256 | ERDS2TJ272T | 2.7K 1/4W | [M] |
| R1257 | ERDS2TJ101T | 100 1/4W | [M] |
| R1258 | ERDS2TJ121T | 120 1/4W | [M] |
| R1259 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1260 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1261 | ERDS2TJ224T | 220K 1/4W | [M] |
| R1262 | ERDS2TJ224T | 220K 1/4W | [M] |
| R1263 | ERDS2TJ223T | 22K 1/4W | [M] |
| R1264 | ERDS2TJ223T | 22K 1/4W | [M] |
| R1265 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1266 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1267 | ERDS2TJ103T | 10K 1/4W | [M] |
| R1268 | ERDS2TJ103T | 10K 1/4W | [M] |
| R1269 | ERDS2TJ103T | 10K 1/4W | [M] |
| R1270 | ERDS2TJ103T | 10K 1/4W | [M] |
| R1271 | ERDS2TJ103T | 10K 1/4W | [M] |
| R1272 | ERDS2TJ103T | 10K 1/4W | [M] |
| R1273 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1274 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1275 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1301 | ERDS2TJ151T | 150 1/4W | [M] |
| R1302 | ERDS2TJ100T | 10 1/4W | [M] |
| R1303 | ERDS2TJ470T | 47 1/4W | [M] |
| R1304 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R1305 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1306 | | | |

| | | | |
|-------|--------------|-----------|---|
| | ERDS2TJ470T | 47 1/4W | [M] |
| R1307 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R1308 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1309 | ERDS2TJ470T | 47 1/4W | [M] |
| R1351 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1352 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1353 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1679 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1680 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1681 | ERDS2TJ220T | 22 1/4W | [M] |
| R1682 | ERDS2TJ220T | 22 1/4W | [M] |
| R1683 | ERDS2TJ220T | 22 1/4W | [M] |
| R1684 | ERDS2TJ220T | 22 1/4W | [M] |
| R1685 | ERDS2TJ220T | 22 1/4W | [M] |
| R1686 | ERDS2TJ220T | 22 1/4W | [M] |
| R1687 | ERDS2TJ220T | 22 1/4W | [M] |
| R1688 | ERDS2TJ220T | 22 1/4W | [M] |
| R1689 | ERDS2TJ220T | 22 1/4W | [M] |
| R1690 | ERDS2TJ220T | 22 1/4W | [M] |
| R1691 | ERDS2TJ220T | 22 1/4W | [M] |
| R1692 | ERDS2TJ220T | 22 1/4W | [M] |
| R1693 | ERDS2TJ220T | 22 1/4W | [M] |
| R1694 | ERDS2TJ220T | 22 1/4W | [M] |
| R1695 | ERDS2TJ220T | 22 1/4W | [M] |
| R1696 | ERDS2TJ220T | 22 1/4W | [M] |
| R1697 | ERDS2TJ220T | 22 1/4W | [M] |
| R1698 | ERDS2TJ220T | 22 1/4W | [M] |
| R1699 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R1701 | ERDS1FVJ4R7T | 4.7 1/2W | [M]  |
| R1702 | ERDS1FVJ4R7T | 4.7 1/2W | [M]  |
| R1707 | ERDS2TJ821T | 820 1/4W | [M] |
| R1708 | ERDS2TJ331T | 330 1/4W | [M] |
| R1709 | ERDS2TJ331T | 330 1/4W | [M] |
| R1710 | ERDS2TJ272T | 2.7K 1/4W | [M] |
| R1711 | ER0S2TKF3900 | 39 1/4W | [M] |
| R1712 | ER0S2TKF3900 | 39 1/4W | [M] |
| R1715 | ERDS2TJ392T | 3.9K 1/4W | [M] |
| R1901 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1902 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1903 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1904 | ERDS2TJ121T | 120 1/4W | [M] |
| R1905 | ERDS2TJ271T | 270 1/4W | [M] |
| R1906 | ERDS2TJ101T | 100 1/4W | [M] |
| R1907 | ERDS2TJ101T | 100 1/4W | [M] |
| R1909 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1910 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1911 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1912 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1913 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1914 | ERDS2TJ102T | 1K 1/4W | [M] |



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|-------|--------------|------------|---------|
| R1915 | ERDS2TJ101T | 100 1/4W | [M] |
| R1916 | ERDS2TJ101T | 100 1/4W | [M] |
| R1917 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1918 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1919 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1920 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1922 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1923 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1924 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1925 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1926 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1927 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1928 | ERDS2TJ101T | 100 1/4W | [M] |
| R1929 | ERDS2TJ101T | 100 1/4W | [M] |
| R1930 | ERDS2TJ101T | 100 1/4W | [M] |
| R1931 | ERDS2TJ101T | 100 1/4W | [M] |
| R1932 | ERDS2TJ101T | 100 1/4W | [M] |
| R1933 | ERDS2TJ101T | 100 1/4W | [M] |
| R1934 | ERDS2TJ101T | 100 1/4W | [M] |
| R1935 | ERDS2TJ101T | 100 1/4W | [M] |
| R1936 | ERDS2TJ101T | 100 1/4W | [M] |
| R1937 | ERDS2TJ101T | 100 1/4W | [M] |
| R1938 | ERDS2TJ101T | 100 1/4W | [M] |
| R1939 | ERDS2TJ101T | 100 1/4W | [M]PP-K |
| R1940 | ERDS2TJ101T | 100 1/4W | [M] |
| R1941 | ERDS2TJ101T | 100 1/4W | [M] |
| R1942 | ERDS2TJ101T | 100 1/4W | [M] |
| R1943 | ERDS2TJ101T | 100 1/4W | [M] |
| R1946 | ERDS2TJ102T | 1K 1/4W | [M] |
| | | | |
| | | CAPACITORS | |
| | | | |
| C301 | ECA1CAK470XB | 47 16V | [M] |
| C302 | ECBT1H223KB5 | 0.022 50V | [M] |
| C303 | ECA1CAK470XB | 47 16V | [M] |
| C304 | ECBT1H223KB5 | 0.022 50V | [M] |
| C305 | ECBT1H470J5 | 47P 50V | [M] |
| C306 | ECBT1H470J5 | 47P 50V | [M] |
| C307 | ECBT1H470J5 | 47P 50V | [M] |
| C308 | ECBT1H470J5 | 47P 50V | [M] |
| C309 | ECBT1H104KB5 | 0.1 50V | [M] |
| C310 | ECBT1H104KB5 | 0.1 50V | [M] |
| C311 | ECBT1H104KB5 | 0.1 50V | [M] |
| C312 | ECBT1H104KB5 | 0.1 50V | [M] |
| C313 | ECA1CAK101XB | 100 16V | [M] |
| C314 | ECA1CAK101XB | 100 16V | [M] |
| C351 | ECA1CAK470XB | 47 16V | [M] |
| C352 | ECA1CAK470XB | 47 16V | [M] |
| C353 | ECA1CAK470XB | 47 16V | [M] |
| C354 | ECA1CAK470XB | 47 16V | [M] |

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|------|--------------|----------|-----|
| C355 | ECBT1H470J5 | 47P 50V | [M] |
| C356 | ECBT1H470J5 | 47P 50V | [M] |
| C357 | ECBT1H470J5 | 47P 50V | [M] |
| C358 | ECBT1H103KB5 | 0.01 50V | [M] |
| C359 | ECBT1H104KB5 | 0.1 50V | [M] |
| C360 | ECBT1H104KB5 | 0.1 50V | [M] |
| C361 | ECA0JAK101XB | 100 6.3V | [M] |
| C362 | ECA0JAK101XB | 100 6.3V | [M] |
| C363 | ECA0JAK101XB | 100 6.3V | [M] |
| C364 | ECA0JAK101XB | 100 6.3V | [M] |
| C365 | ECBT1H103KB5 | 0.01 50V | [M] |
| C366 | ECBT1H103KB5 | 0.01 50V | [M] |
| C401 | ECA1EPXS100B | 10 25V | [M] |
| C402 | ECA1EPXS100B | 10 25V | [M] |
| C403 | ECBT1H103KB5 | 0.01 50V | [M] |
| C404 | ECBT1H103KB5 | 0.01 50V | [M] |
| C405 | ECBT1H101KB5 | 100P 50V | [M] |
| C406 | ECBT1H101KB5 | 100P 50V | [M] |
| C407 | ECA1EPXS100B | 10 25V | [M] |
| C408 | ECA1EPXS100B | 10 25V | [M] |
| C409 | ECA1EPXS100B | 10 25V | [M] |
| C410 | ECA1EPXS100B | 10 25V | [M] |
| C411 | ECBT1H103KB5 | 0.01 50V | [M] |
| C412 | ECBT1H103KB5 | 0.01 50V | [M] |
| C413 | ECA1EPXS100B | 10 25V | [M] |
| C414 | ECA1EPXS100B | 10 25V | [M] |
| C415 | ECBT1H103KB5 | 0.01 50V | [M] |
| C416 | ECBT1H103KB5 | 0.01 50V | [M] |
| C419 | ECBT1H103KB5 | 0.01 50V | [M] |
| C420 | ECBT1H103KB5 | 0.01 50V | [M] |
| C421 | ECBT1H101KB5 | 100P 50V | [M] |
| C422 | ECBT1H101KB5 | 100P 50V | [M] |
| C423 | ECBT1H331KB5 | 330P 50V | [M] |
| C424 | ECBT1H331KB5 | 330P 50V | [M] |
| C425 | ECBT1H331KB5 | 330P 50V | [M] |
| C426 | ECBT1H331KB5 | 330P 50V | [M] |
| C427 | ECBT1H101KB5 | 100P 50V | [M] |
| C428 | ECBT1H101KB5 | 100P 50V | [M] |
| C429 | ECBT1H101KB5 | 100P 50V | [M] |
| C430 | ECBT1H101KB5 | 100P 50V | [M] |
| C431 | ECBT1H221KB5 | 220P 50V | [M] |
| C432 | ECBT1H221KB5 | 220P 50V | [M] |
| C435 | ECBT1H101KB5 | 100P 50V | [M] |
| C436 | ECBT1H101KB5 | 100P 50V | [M] |
| C437 | ECBT1H101KB5 | 100P 50V | [M] |
| C438 | ECBT1H101KB5 | 100P 50V | [M] |
| C439 | ECBT1H331KB5 | 330P 50V | [M] |
| C440 | ECBT1H331KB5 | 330P 50V | [M] |
| C441 | ECBT1H101KB5 | 100P 50V | [M] |
| C442 | ECBT1H101KB5 | 100P 50V | [M] |
| C443 | | | |

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|------|--------------|-----------|-----|
| | ECBT1H103KB5 | 0.01 50V | [M] |
| C444 | ECBT1H101KB5 | 100P 50V | [M] |
| C445 | ECA1EPXS100B | 10 25V | [M] |
| C446 | ECA1EPXS100B | 10 25V | [M] |
| C451 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C452 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C453 | ECBT1H101KB5 | 100P 50V | [M] |
| C454 | ECBT1H101KB5 | 100P 50V | [M] |
| C455 | ECBT1H102KB5 | 1000P 50V | [M] |
| C456 | ECBT1H102KB5 | 1000P 50V | [M] |
| C457 | ECA1AAK330XB | 33 10V | [M] |
| C458 | ECA1AAK330XB | 33 10V | [M] |
| C459 | ECQB1H223JF3 | 0.022 50V | [M] |
| C460 | ECQB1H223JF3 | 0.022 50V | [M] |
| C461 | ECQB1H682JF3 | 6800P 50V | [M] |
| C462 | ECQB1H682JF3 | 6800P 50V | [M] |
| C463 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C464 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C465 | ECBT1H103KB5 | 0.01 50V | [M] |
| C466 | ECBT1H103KB5 | 0.01 50V | [M] |
| C467 | ECBT1H103KB5 | 0.01 50V | [M] |
| C468 | ECBT1H101KB5 | 100P 50V | [M] |
| C471 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C472 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C473 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C474 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C475 | ECBT1H103KB5 | 0.01 50V | [M] |
| C476 | ECBT1H103KB5 | 0.01 50V | [M] |
| C477 | ECA1EPXS100B | 10 25V | [M] |
| C478 | ECA1EPXS100B | 10 25V | [M] |
| C479 | ECBT1H103KB5 | 0.01 50V | [M] |
| C480 | ECBT1H103KB5 | 0.01 50V | [M] |
| C481 | ECA1CPXS330B | 33 16V | [M] |
| C482 | ECA1CPXS330B | 33 16V | [M] |
| C483 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C484 | ECBT1H331KB5 | 330P 50V | [M] |
| C485 | ECA1CPXS330B | 33 16V | [M] |
| C486 | ECA1CPXS330B | 33 16V | [M] |
| C487 | ECA1CPXS330B | 33 16V | [M] |
| C488 | ECBT1H101KB5 | 100P 50V | [M] |
| C489 | ECA1EPXS100B | 10 25V | [M] |
| C490 | ECA1EPXS100B | 10 25V | [M] |
| C493 | ECBT1H101KB5 | 100P 50V | [M] |
| C501 | ECA0JAK101XB | 100 6.3V | [M] |
| C502 | ECA0JAK101XB | 100 6.3V | [M] |
| C503 | ECQB1H104JF3 | 0.1 50V | [M] |
| C504 | ECQB1H104JF3 | 0.1 50V | [M] |
| C511 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C512 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C513 | ECBT1H101KB5 | 100P 50V | [M] |
| C514 | | | |

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|------|--------------|-----------|-----|
| | ECBT1H101KB5 | 100P 50V | [M] |
| C515 | ECBT1H221KB5 | 220P 50V | [M] |
| C516 | ECBT1H221KB5 | 220P 50V | [M] |
| C517 | ECBT1H330J5 | 33P 50V | [M] |
| C518 | ECBT1H330J5 | 33P 50V | [M] |
| C519 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C520 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C521 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C522 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C523 | ECQB1H123JF3 | 0.012 50V | [M] |
| C524 | ECQB1H123JF3 | 0.012 50V | [M] |
| C525 | ECQV1H683JZ3 | 0.068 50V | [M] |
| C526 | ECQV1H683JZ3 | 0.068 50V | [M] |
| C527 | ECQB1H562JF3 | 5600P 50V | [M] |
| C528 | ECQB1H562JF3 | 5600P 50V | [M] |
| C529 | ECQB1H273JF3 | 0.027 50V | [M] |
| C530 | ECQB1H273JF3 | 0.027 50V | [M] |
| C531 | ECBT1H103KB5 | 0.01 50V | [M] |
| C532 | ECBT1H103KB5 | 0.01 50V | [M] |
| C533 | ECA1CAK100XB | 10 16V | [M] |
| C534 | ECA1CAK100XB | 10 16V | [M] |
| C541 | ECBT1H560J5 | 56P 50V | [M] |
| C542 | ECBT1H560J5 | 56P 50V | [M] |
| C543 | ECBT1H560J5 | 56P 50V | [M] |
| C544 | ECBT1H560J5 | 56P 50V | [M] |
| C545 | ECBT1H560J5 | 56P 50V | [M] |
| C547 | ECQB1H104JF3 | 0.1 50V | [M] |
| C548 | ECQB1H104JF3 | 0.1 50V | [M] |
| C549 | ECA1EPX470B | 47 25V | [M] |
| C550 | ECA1EPX470B | 47 25V | [M] |
| C551 | ECQB1H104JF3 | 0.1 50V | [M] |
| C552 | ECQB1H104JF3 | 0.1 50V | [M] |
| C553 | ECA1EPXS100B | 10 25V | [M] |
| C554 | ECA1EPXS100B | 10 25V | [M] |
| C555 | ECQB1H104JF3 | 0.1 50V | [M] |
| C561 | ECA1CPXS330B | 33 16V | [M] |
| C562 | ECA1CPXS330B | 33 16V | [M] |
| C563 | ECBT1H331KB5 | 330P 50V | [M] |
| C564 | ECBT1H331KB5 | 330P 50V | [M] |
| C565 | ECA1EPXS100B | 10 25V | [M] |
| C566 | ECA1EPXS100B | 10 25V | [M] |
| C567 | ECA1CPXS330B | 33 16V | [M] |
| C568 | ECA1CPXS330B | 33 16V | [M] |
| C569 | ECA1CPXS330B | 33 16V | [M] |
| C570 | ECA1CPXS330B | 33 16V | [M] |
| C571 | ECA1CPXS330B | 33 16V | [M] |
| C572 | ECBT1H104KB5 | 0.1 50V | [M] |
| C573 | ECA1EPXS470B | 47 25V | [M] |
| C574 | ECA1EPXS470B | 47 25V | [M] |
| C575 | ECBT1H103KB5 | 0.01 50V | [M] |
| C576 | | | |


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|------|--------------|-----------|-----|
| | ECBT1H103KB5 | 0.01 50V | [M] |
| C577 | ECA1EPXS100B | 10 25V | [M] |
| C578 | ECA1EPXS100B | 10 25V | [M] |
| C579 | ECA1EPXS100B | 10 25V | [M] |
| C580 | ECA1EPXS100B | 10 25V | [M] |
| C581 | ECBT1H271KB5 | 270P 50V | [M] |
| C582 | ECBT1H271KB5 | 270P 50V | [M] |
| C583 | ECA1CPXS330B | 33 16V | [M] |
| C584 | ECA1CPXS330B | 33 16V | [M] |
| C585 | ECA1EPXS100B | 10 25V | [M] |
| C586 | ECBT1H271KB5 | 270P 50V | [M] |
| C587 | ECA1CPXS330B | 33 16V | [M] |
| C588 | ECBT1H103KB5 | 0.01 50V | [M] |
| C589 | ECBT1H103KB5 | 0.01 50V | [M] |
| C590 | ECBT1H103KB5 | 0.01 50V | [M] |
| C591 | ECBT1H103KB5 | 0.01 50V | [M] |
| C601 | ECA1EPXS470B | 47 25V | [M] |
| C602 | ECA1EPXS470B | 47 25V | [M] |
| C603 | ECBT1H101KB5 | 100P 50V | [M] |
| C604 | ECBT1H101KB5 | 100P 50V | [M] |
| C607 | ECCR1H180KC5 | 18P 50V | [M] |
| C608 | ECCR1H180KC5 | 18P 50V | [M] |
| C611 | ECQB1H104JF3 | 0.1 50V | [M] |
| C612 | ECQB1H104JF3 | 0.1 50V | [M] |
| C613 | ECQB1H104JF3 | 0.1 50V | [M] |
| C614 | ECQB1H104JF3 | 0.1 50V | [M] |
| C616 | ECA1EAM101XB | 100 25V | [M] |
| C617 | ECEA2AN2R2SB | 2.2 100V | [M] |
| C618 | ECBT1H102KB5 | 1000P 50V | [M] |
| C621 | ECA1JPX470TB | 47 63V | [M] |
| C622 | ECA1JPX470TB | 47 63V | [M] |
| C625 | ECA1HAM470XB | 47 50V | [M] |
| C626 | ECA1HAM470XB | 47 50V | [M] |
| C627 | ECA1HAM470XB | 47 50V | [M] |
| C628 | ECA1HAM470XB | 47 50V | [M] |
| C635 | ECBT1H103KB5 | 0.01 50V | [M] |
| C641 | ECA1EPXS470B | 47 25V | [M] |
| C642 | ECBT1H101KB5 | 100P 50V | [M] |
| C643 | ECCR1H180KC5 | 18P 50V | [M] |
| C644 | ECQB1H104JF3 | 0.1 50V | [M] |
| C645 | ECQB1H104JF3 | 0.1 50V | [M] |
| C647 | ECBT1H101KB5 | 100P 50V | [M] |
| C650 | ECCR1H180KC5 | 18P 50V | [M] |
| C651 | ECA1EPXS470B | 47 25V | [M] |
| C652 | ECA1EPXS470B | 47 25V | [M] |
| C653 | ECBT1H101KB5 | 100P 50V | [M] |
| C654 | ECBT1H101KB5 | 100P 50V | [M] |
| C657 | ECCR1H180KC5 | 18P 50V | [M] |
| C658 | ECCR1H180KC5 | 18P 50V | [M] |
| C661 | ECQB1H104JF3 | 0.1 50V | [M] |
| C662 | | | |

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|------|--------------|------------|---|
| | ECQB1H104JF3 | 0.1 50V | [M] |
| C663 | ECQB1H104JF3 | 0.1 50V | [M] |
| C664 | ECQB1H104JF3 | 0.1 50V | [M] |
| C665 | ECBT1H103KB5 | 0.01 50V | [M] |
| C666 | ECA1EAM101XB | 100 25V | [M] |
| C667 | ECEA2AN2R2SB | 2.2 100V | [M] |
| C668 | ECBT1H102KB5 | 1000P 50V | [M] |
| C671 | ECA1JPX470TB | 47 63V | [M] |
| C672 | ECA1JPX470TB | 47 63V | [M] |
| C701 | ECBT1H103KB5 | 0.01 50V | [M] |
| C702 | ECQE2104KF3 | 0.1 250V | [M] |
| C703 | ECES1JV103UN | 0.01 63V | [M] |
| C704 | ECES1JV103UN | 0.01 63V | [M] |
| C705 | ECES1VV472U | 4700 35V | [M] |
| C706 | ECES1VV472U | 4700 35V | [M] |
| C707 | ECA1VAM101XB | 100 35V | [M] |
| C708 | ECKR1H103KB5 | 0.01 50V | [M] |
| C709 | ECA1CAK330XB | 33 16V | [M] |
| C710 | ECBT1H103KB5 | 0.01 50V | [M] |
| C711 | ECKR1H103KB5 | 0.01 50V | [M] |
| C712 | ECA1HAK100XB | 10 50V | [M] |
| C713 | ECBT1H103KB5 | 0.01 50V | [M] |
| C714 | ECA1EPXS470B | 47 25V | [M] |
| C715 | ECA1CAK101XB | 100 16V | [M] |
| C721 | ECQE2104KF3 | 0.1 250V | [M] |
| C722 | ECQE2104KF3 | 0.1 250V | [M] |
| C741 | ECQE2104KF3 | 0.1 250V | [M] |
| C742 | ECA1CAM222XE | 2200 16V | [M]  |
| C751 | ECKWRS102MBC | 1000P 400V | [M]  |
| C752 | ECKR1H103KB5 | 0.01 50V | [M] |
| C753 | ECA1EAM331XB | 330 25V | [M] |
| C754 | ECBT1H103KB5 | 0.01 50V | [M] |
| C755 | ECA1CAK470XB | 47 16V | [M] |
| C757 | ECA1CAK100XB | 10 16V | [M] |
| C758 | ECA1EAM101XB | 100 25V | [M] |
| C771 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C772 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C773 | ECBT1H104KB5 | 0.1 50V | [M] |
| C774 | ECA0JAK101XB | 100 6.3V | [M] |
| C775 | ECA1CAK100XB | 10 16V | [M] |
| C776 | ECA1HAK010XB | 1 50V | [M] |
| C777 | ECA1CAM221XB | 220 16V | [M] |
| C778 | ECA1CAK101XB | 100 16V | [M] |
| C779 | ECA1CAK101XB | 100 16V | [M] |
| C780 | ECA1CAM471XB | 470 16V | [M] |
| C781 | ECBT1H103KB5 | 0.01 50V | [M] |
| C901 | ECA0JM102B | 1000P 6.3V | [M] |
| C902 | ECBT1H104KB5 | 0.1 50V | [M] |
| C903 | ECBT1H103KB5 | 0.01 50V | [M] |
| C904 | ECA0JM102B | 1000P 6.3V | [M] |

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|-------|--------------|-----------|-----|
| C905 | ECA1HAK010XB | 1 50V | [M] |
| C906 | ECA1HAK010XB | 1 50V | [M] |
| C907 | ECBT1H103KB5 | 0.01 50V | [M] |
| C908 | ECA1HAK220XB | 22 50V | [M] |
| C909 | ECA1HAK220XB | 22 50V | [M] |
| C910 | ECA1HAK220XB | 22 50V | [M] |
| C911 | ECA1HAK220XB | 22 50V | [M] |
| C912 | ECA1HAK100XB | 10 50V | [M] |
| C913 | ECA1HAK100XB | 10 50V | [M] |
| C914 | ECBT1H102KB5 | 1000P 50V | [M] |
| C915 | ECBT1H102KB5 | 1000P 50V | [M] |
| C916 | ECBT1H101KB5 | 100P 50V | [M] |
| C917 | ECBT1H101KB5 | 100P 50V | [M] |
| C918 | ECBT1H101KB5 | 100P 50V | [M] |
| C919 | ECBT1H101KB5 | 100P 50V | [M] |
| C920 | ECBT1H101KB5 | 100P 50V | [M] |
| C921 | ECBT1H101KB5 | 100P 50V | [M] |
| C923 | ECA1CAK100XB | 10 16V | [M] |
| C924 | ECA1CAK100XB | 10 16V | [M] |
| C925 | ECBT1H103KB5 | 0.01 50V | [M] |
| C926 | ECBT1H101KB5 | 100P 50V | [M] |
| C927 | ECBT1H101KB5 | 100P 50V | [M] |
| C928 | ECBT1H103KB5 | 0.01 50V | [M] |
| C930 | ECA0JAK101XB | 100 6.3V | [M] |
| C931 | ECBT1H471KB5 | 470P 50V | [M] |
| C932 | ECBT1H471KB5 | 470P 50V | [M] |
| C1003 | ECEV0JA101SP | 100 6.3V | [M] |
| C1004 | ECEV0JA101SP | 100 6.3V | [M] |
| C1005 | ECEV0JA101SP | 100 6.3V | [M] |
| C1006 | ECEV0JA101SP | 100 6.3V | [M] |
| C1007 | ECEV1HA2R2SR | 2.2 50V | [M] |
| C1008 | ECEV0JA101SP | 100 6.3V | [M] |
| C1009 | ECEV0JA101SP | 100 6.3V | [M] |
| C1010 | ECEV0JA101SP | 100 6.3V | [M] |
| C1011 | ECEV0JA101SP | 100 6.3V | [M] |
| C1024 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1025 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1026 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1027 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1029 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1030 | ECUV1H471JCV | 470P 50V | [M] |
| C1031 | ECUV1E103KBV | 0.01 25V | [M] |
| C1032 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1033 | ECUV1H270JCV | 27P 50V | [M] |
| C1034 | ECUV1H101JCV | 100P 50V | [M] |
| C1035 | ECUV1H390JCV | 39P 50V | [M] |
| C1036 | ECUV1H101JCV | 100P 50V | [M] |
| C1037 | ECUV1H102KBV | 1000P 50V | [M] |
| C1038 | ECUV1H102KBV | 1000P 50V | [M] |
| C1039 | ECUV1H101JCV | 100P 50V | [M] |
| C1040 | | | |

| | | | |
|-------|--------------|-----------|-----|
| | ECUVNC104ZFV | 0.1 16V | [M] |
| C1041 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1042 | ECUV1H102KBV | 1000P 50V | [M] |
| C1043 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1044 | ECUV1H101JCV | 100P 50V | [M] |
| C1045 | ECUV1H101JCV | 100P 50V | [M] |
| C1046 | ECUV1H102KBV | 1000P 50V | [M] |
| C1047 | ECUV1H102KBV | 1000P 50V | [M] |
| C1048 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1049 | ECUV1H102KBV | 1000P 50V | [M] |
| C1050 | ECUV1H102KBV | 1000P 50V | [M] |
| C1051 | ECUV1H152KBV | 1500P 50V | [M] |
| C1052 | ECUV1E103KBV | 0.01 25V | [M] |
| C1053 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1201 | ECBT1C472KR5 | 4700P 16V | [M] |
| C1202 | ECBT1C472KR5 | 4700P 16V | [M] |
| C1203 | ECA1CPXS330B | 33 16V | [M] |
| C1204 | ECA1CPXS330B | 33 16V | [M] |
| C1205 | ECQB1H392JF3 | 3900P 50V | [M] |
| C1206 | ECQB1H392JF3 | 3900P 50V | [M] |
| C1207 | ECQB1H471JF3 | 470P 50V | [M] |
| C1208 | ECQB1H471JF3 | 470P 50V | [M] |
| C1209 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1210 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1211 | ECA1EPX470B | 47 25V | [M] |
| C1212 | ECA1EPX470B | 47 25V | [M] |
| C1213 | ECBT1C472KR5 | 4700P 16V | [M] |
| C1214 | ECBT1C472KR5 | 4700P 16V | [M] |
| C1215 | ECA1CPXS330B | 33 16V | [M] |
| C1216 | ECA1CPXS330B | 33 16V | [M] |
| C1217 | ECBT1C222KR5 | 2200P 16V | [M] |
| C1218 | ECBT1C222KR5 | 2200P 16V | [M] |
| C1219 | ECBT1H101KB5 | 100P 50V | [M] |
| C1220 | ECBT1H101KB5 | 100P 50V | [M] |
| C1221 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1222 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1223 | ECA1EPX470B | 47 25V | [M] |
| C1224 | ECA1EPX470B | 47 25V | [M] |
| C1225 | ECBT1C472KR5 | 4700P 16V | [M] |
| C1226 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1227 | ECA1CPXS330B | 33 16V | [M] |
| C1228 | ECA1CPXS330B | 33 16V | [M] |
| C1229 | ECBT1C222KR5 | 2200P 16V | [M] |
| C1230 | ECQV1H334JZ3 | 0.33 50V | [M] |
| C1231 | ECBT1H101KB5 | 100P 50V | [M] |
| C1232 | ECQB1H153JF3 | 0.015 50V | [M] |
| C1233 | ECA1EPXS100B | 10 25V | [M] |
| C1234 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1235 | ECA1EPXS100B | 10 25V | [M] |
| C1237 | ECQV1H474JZ3 | 0.47 50V | [M] |
| C1238 | | | |


| | | | |
|-------|--------------|----------|-----|
| | ECBT1H103KB5 | 0.01 50V | [M] |
| C1239 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1240 | ECA1EPXS100B | 10 25V | [M] |
| C1241 | ECBT1H271KB5 | 270P 50V | [M] |
| C1242 | ECBT1H271KB5 | 270P 50V | [M] |
| C1243 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1244 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1245 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1246 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1251 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1252 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1253 | ECA1EPX470B | 47 25V | [M] |
| C1254 | ECA1EPX470B | 47 25V | [M] |
| C1255 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1256 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1257 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1258 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1261 | ECA1EPXS100B | 10 25V | [M] |
| C1262 | ECA1EPXS100B | 10 25V | [M] |
| C1263 | ECBT1H391KB5 | 390P 50V | [M] |
| C1264 | ECBT1H391KB5 | 390P 50V | [M] |
| C1265 | ECBT1H151KB5 | 150P 50V | [M] |
| C1266 | ECBT1H151KB5 | 150P 50V | [M] |
| C1267 | ECEA1CKN100B | 10 16V | [M] |
| C1268 | ECEA1CKN100B | 10 16V | [M] |
| C1269 | ECEA1CKN100B | 10 16V | [M] |
| C1270 | ECEA1CKN100B | 10 16V | [M] |
| C1271 | ECA1EPXS100B | 10 25V | [M] |
| C1272 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1273 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1274 | ECA1EPX470B | 47 25V | [M] |
| C1277 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1278 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1279 | ECA1EPX470B | 47 25V | [M] |
| C1280 | ECA1EPXS100B | 10 25V | [M] |
| C1281 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1282 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1283 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1284 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1286 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1291 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1292 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1294 | ECA1EPX470B | 47 25V | [M] |
| C1295 | ECA1EPXS100B | 10 25V | [M] |
| C1296 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1301 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1302 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1303 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1304 | ECBT1H150J5 | 15P 50V | [M] |
| C1305 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1306 | | | |

| | | | |
|-------|--------------|-----------|---|
| | ECBT1H104KB5 | 0.1 50V | [M] |
| C1307 | ECBT1H150J5 | 15P 50V | [M] |
| C1308 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1309 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1310 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1311 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1313 | ECA1EPX470B | 47 25V | [M] |
| C1351 | ECBT1H101KB5 | 100P 50V | [M] |
| C1352 | ECBT1H101KB5 | 100P 50V | [M] |
| C1353 | ECBT1H101KB5 | 100P 50V | [M] |
| C1685 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1702 | ECA1CAM222XE | 2200 16V | [M]  |
| C1705 | ECA1HAK010XB | 1 50V | [M] |
| C1706 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1707 | ECA1CAK101XB | 100 16V | [M] |
| C1710 | ECA1EPX470B | 47 25V | [M] |
| C1711 | ECA1EPX470B | 47 25V | [M] |
| C1901 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1902 | ECA0JAK101XB | 100 6.3V | [M] |
| C1903 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1904 | ECA1HAK010XB | 1 50V | [M] |
| C1905 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1906 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1907 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1908 | ECA1HAK010XB | 1 50V | [M] |
| C1909 | ECBT1C472KR5 | 4700P 16V | [M] |
| C1910 | ECBT1H101KB5 | 100P 50V | [M] |
| C1911 | ECBT1H102KB5 | 1000P 50V | [M] |
| C1912 | ECBT1H101KB5 | 100P 50V | [M] |
| C1913 | ECBT1H101KB5 | 100P 50V | [M] |

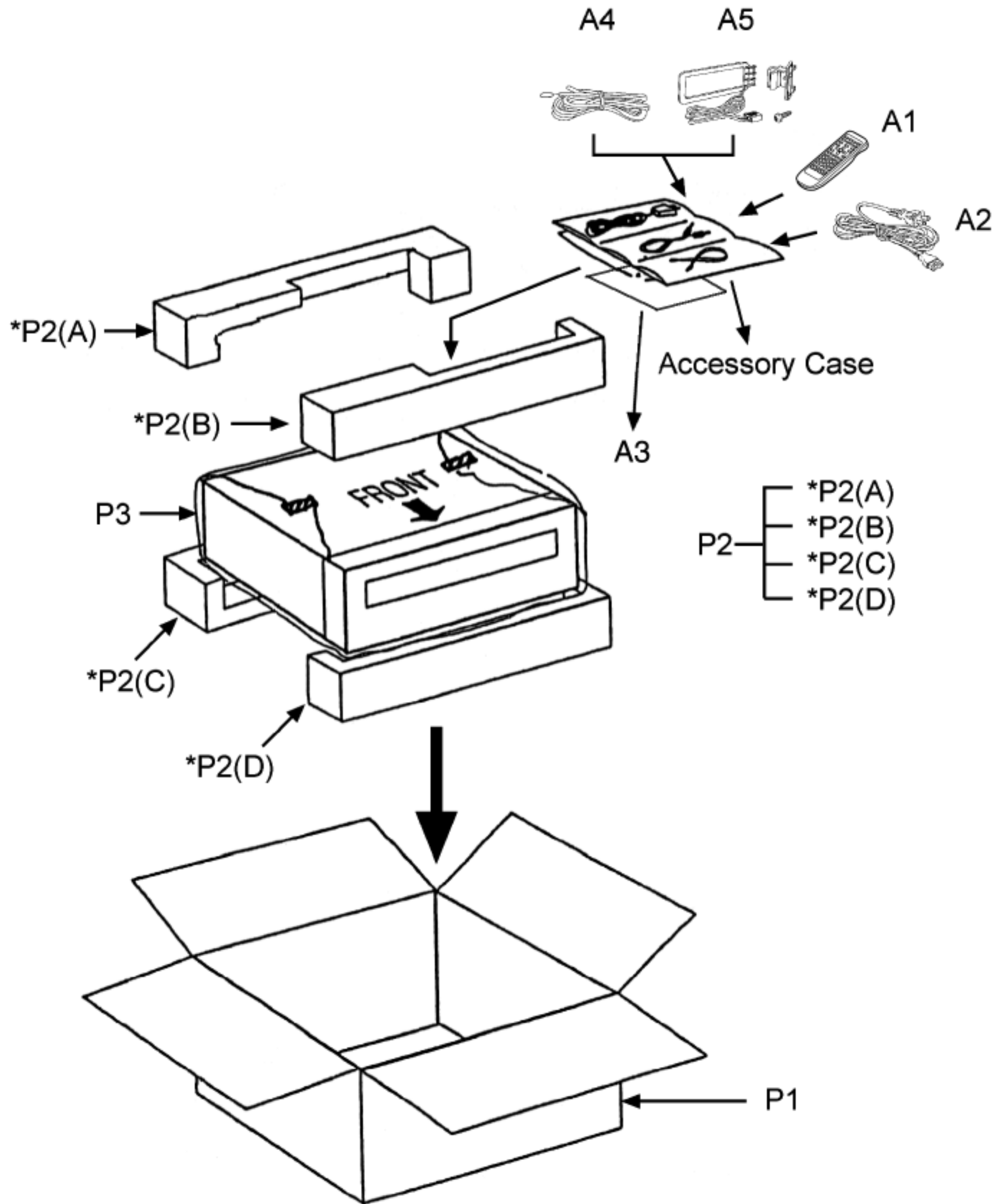
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13.3 Packing Materials & Accessories Parts List

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| Ref. No. | Part No. | Part Name & Description | Remarks |
|--------------------|-------------|-------------------------|---|
| | | PACKING MATERIALS | |
| | | | |
| P1 | RPG5343 | PACKING CASE | [M]PP-K |
| P1 | RPG5344 | PACKING CASE | [M]PP-N |
| P2 | RPN1309 | POLYFOAM | [M] |
| P3 | RPFX0005 | MIRAMAT BAG | [M] |
| | | | |
| | | ACCESSORIES | |
| | | | |
| A1 | EUR7502X40 | REMOTE CONTROL | [M] |
| A1-1 | UR75EC0103A | R/C BATTERY COVER | [M] |
| A2 | RJA0065-A | AC CORD | [M]  |
| A3 | RQT5982-Y | O/I BOOK (En), (Cf) | [M] |
| A4 | RSA0006-L | FM ANTENNA WIRE | [M] |
| A5 | RSA0012 | AM LOOP ANTENNA | [M] |

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13.4 Packaging

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ACCESSORY CASE

A1 : REMOTE CONTROL

A2 : AC CORD

A3 : O/I BOOK

A4 : FM ANTENNA WIRE

A5 : AM LOOP ANTENNA




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13 Parts Location and Replacement Parts List

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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 manufacturers's specified parts shown in the parts list.

- The parenthesized indications in the Remarks column specify the areas or color. (Refer to the cover page for area or color.)

Parts without these indications can be used for all areas.

- Capacitor values are in microfarad (μF) unless specified otherwise, P=Pico-farads(pF); Farads.
- Resistance values are in ohms, unless specified otherwise, 1K=1,000(ohms).
- The marking (RTL) indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
- [M] indicates in the Remarks columns indicates 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.
- Reference for O/I book languages are as follows :

| | | | |
|--------------|----------------------|--------------------------|-------------------------|
| Ar : Arabic | Cf : Canadian French | Cz : Czech | Da : Danish |
| Du : Dutch | En : English | Fr : French | Ge : German |
| It : Italian | Ko : Korean | Po : Polish | Ru : Russian |
| Sp : Spanish | Sw : Swedish | Co : Traditional Chinese | Cn : Simplified Chinese |

[13.1 Cabinet](#)

[13.1.1 Cabinet Parts Location](#)

[13.1.2 Cabinet Parts List](#)

[13.2 Components Parts List](#)

[13.3 Packing Materials& Accessories Parts List](#)

[13.4 Packaging](#)

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