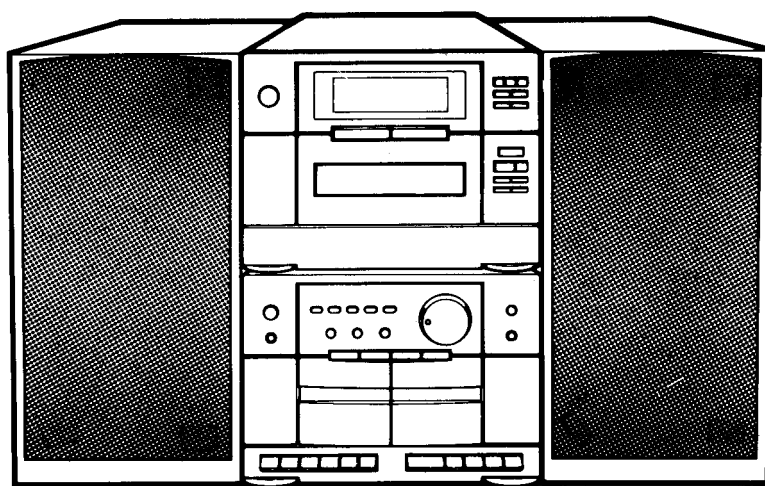


# DAEWOO

# AMI-310

## MINI MINI COMPONENT SYSTEM



***Service Manual***

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**WARNING:** TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

|                                                                                   |                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><b>CAUTION</b><br/>RISK OF ELECTRIC SHOCK<br/>DO NOT OPEN</div>              | CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.                                                                                                                   |
|  | The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. |
|  | The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.                                                                  |

The space below is provided to record the Serial Number of this unit.  
The Serial Number can be inside the battery compartment.

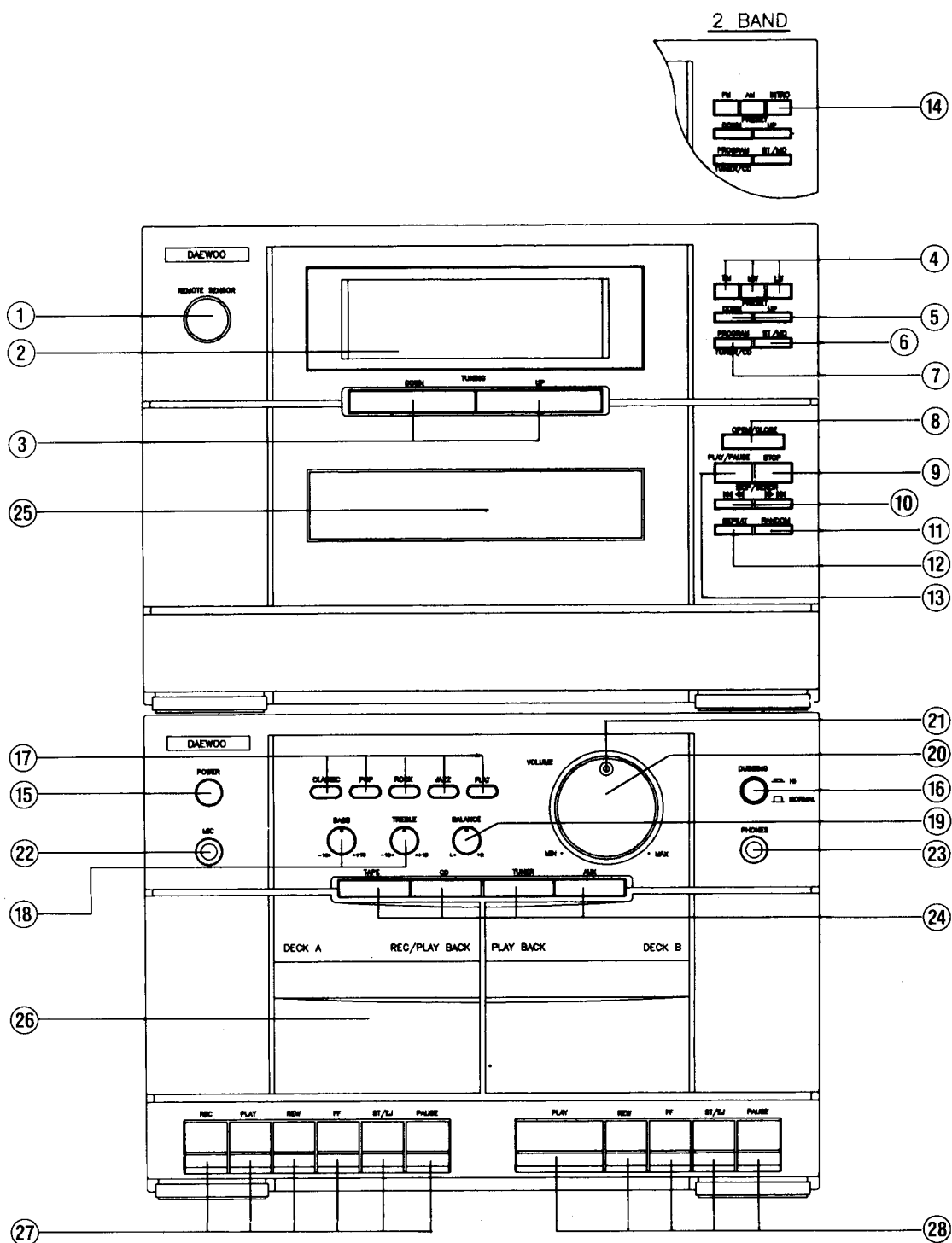
Model No. \_\_\_\_\_  
Serial No. \_\_\_\_\_

Retain this information for future reference.

**CAUTION:** THIS CD STEREO RADIO CASSETTE RECORDER EMPLOYS LASER SYSTEM. SO TO USE THIS MODEL PROPERLY, READ THIS OWNER'S MANUAL CAREFULLY AND KEEP THIS FOR YOUR FUTURE REFERENCE.

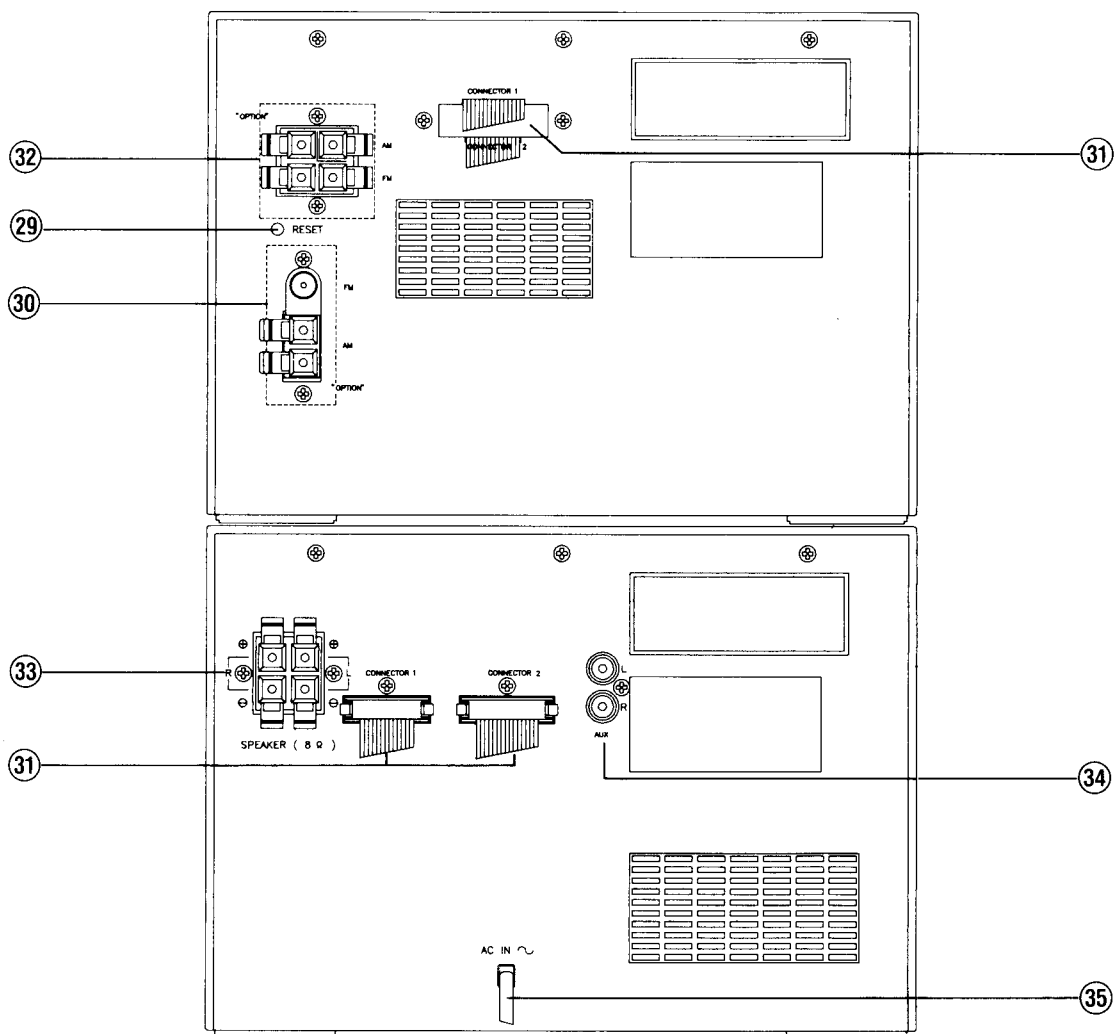
## ■ CONTROL FUNCTIONS

### FRONT VIEW





## BACK VIEW



- |                             |                                                        |                                             |
|-----------------------------|--------------------------------------------------------|---------------------------------------------|
| ① Remote sensor             | ⑩ Skip UP/DOWN switch                                  | ⑲ Balance control                           |
| ② LCD display               | ⑪ Random switch                                        | ⑳ Volume control                            |
| ③ Tuning UP/DOWN switch     | ⑫ Repeat switch                                        | ㉑ Volume LED                                |
| ④ Band switch (FM/MW/LW)    | ⑬ PLAY/PAUSE switch                                    | ㉒ MIC jack                                  |
| ⑤ Preset UP/DOWN switch     | ⑭ Intro switch (2 Band FM/AM)                          | ㉓ Phone jack                                |
| ⑥ FM mode switch            | ⑮ Power switch                                         | ㉔ Function switch<br>(Tape, CD, Tuner, Aux) |
| ⑦ Program switch (Tuner/CD) | ⑯ High speed switch                                    | ㉕ CD door                                   |
| ⑧ Open/Close switch         | ⑰ EQ preset switch<br>(Classic, Pop, Rock, Jack, Flat) | ㉖ Cassette door                             |
| ⑨ Stop switch               | ⑱ Tone control (BASS TREBLE)                           | ㉗ A deck button                             |
|                             |                                                        | ㉘ B deck button                             |
|                             |                                                        | ㉙ Reset button                              |
|                             |                                                        | ㉚ FM/AM ant jack                            |
|                             |                                                        | ㉛ External connector                        |
|                             |                                                        | ㉜ FM/AM ant jack (option)                   |
|                             |                                                        | ㉝ SPEAKER jack                              |
|                             |                                                        | ㉞ Aux input jack                            |
|                             |                                                        | ㉟ AC cord                                   |

## 2. DISASSEMBLY INSTRUCTION

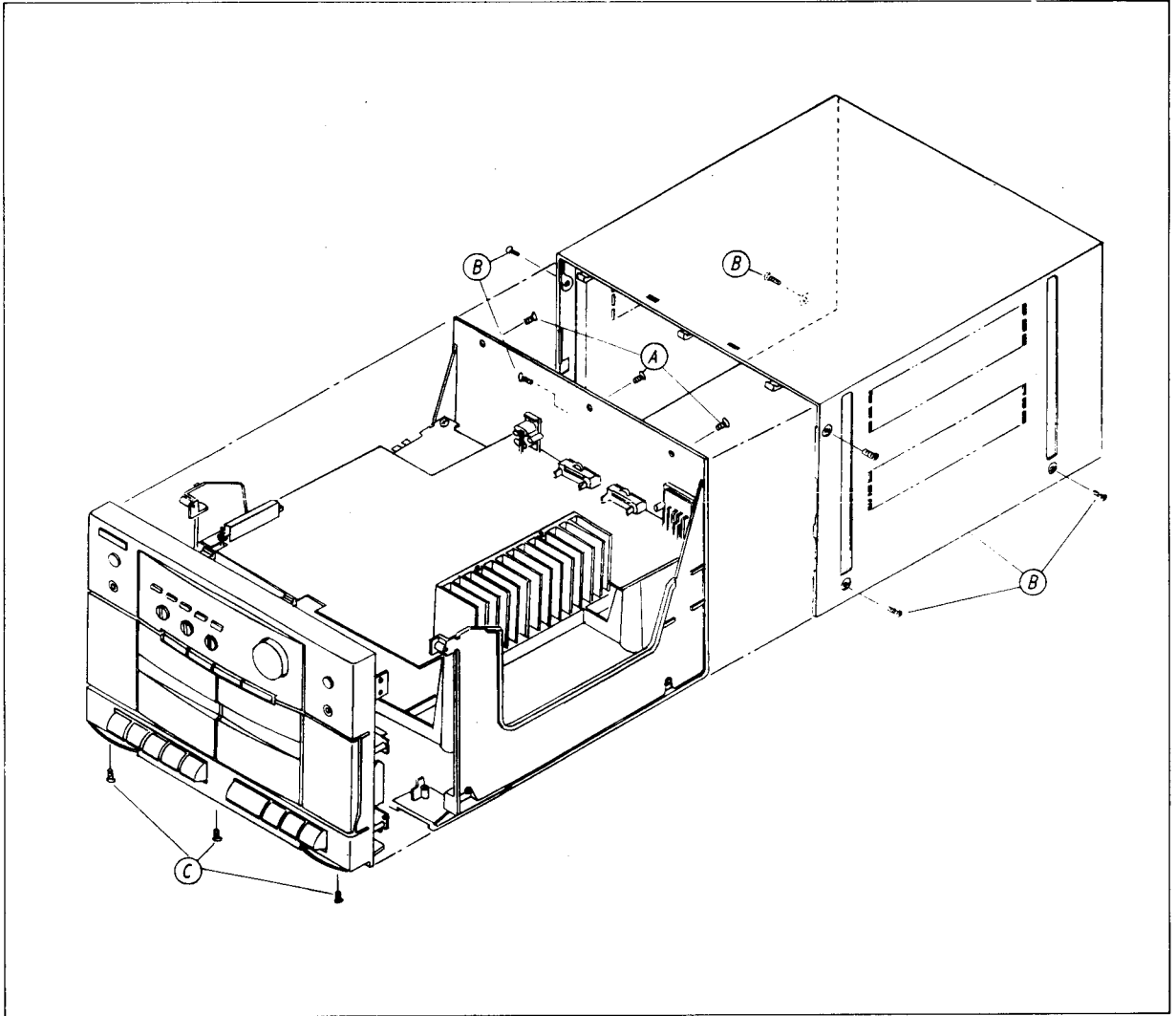
### 1. DECK SECTION

#### 1) Top cabinet removal

Remove three screws (A) in the back cabinet and remove six screws (B) in the top cabinet

#### 2) Front cabinet removal

Remove three screws (C) in the front cabinet.



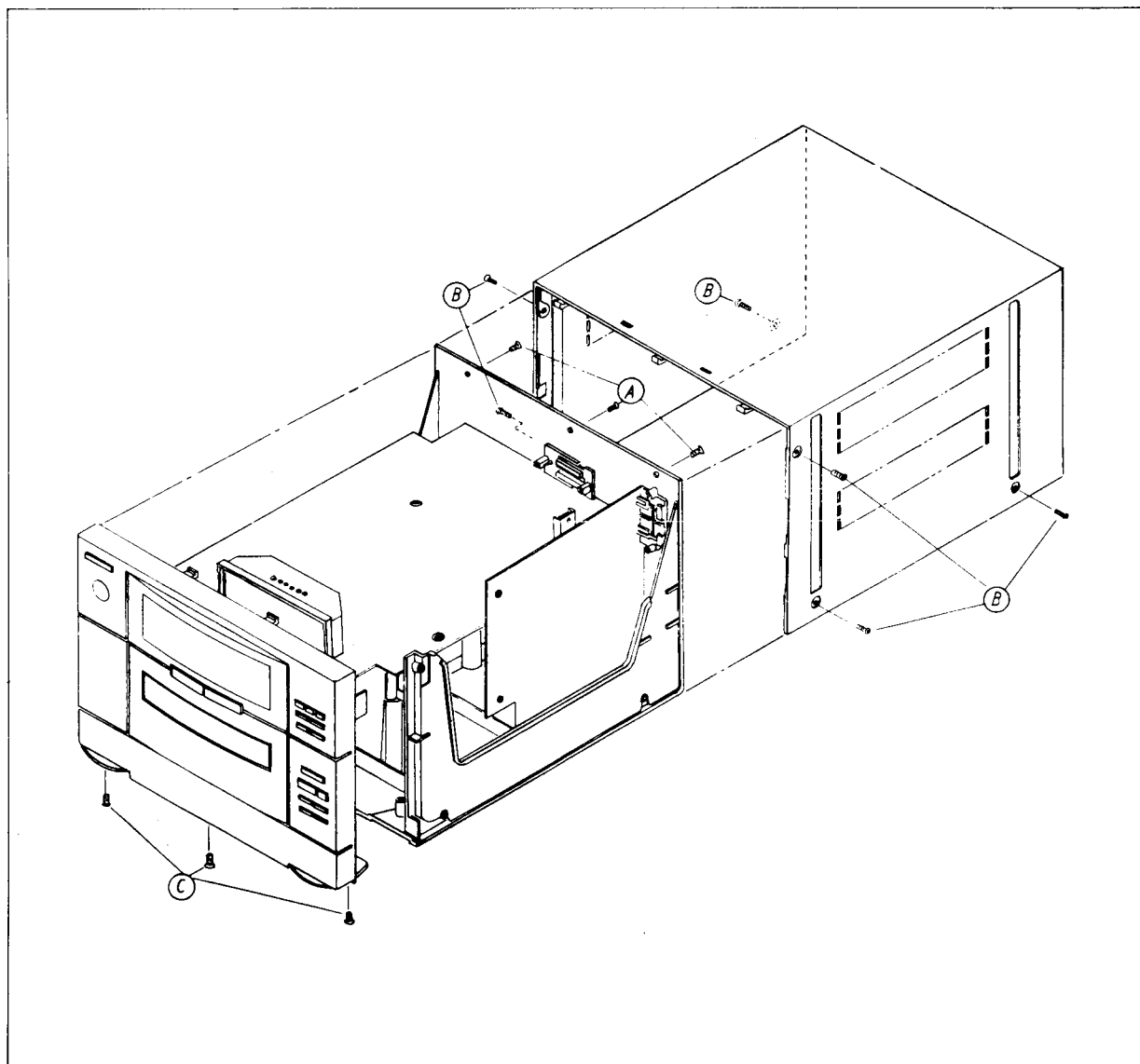
## 2. CD SECTION

### 1) Top cabinet removal

Remove three screws **A** in the back cabinet and remove six screws **B** in the top cabinet

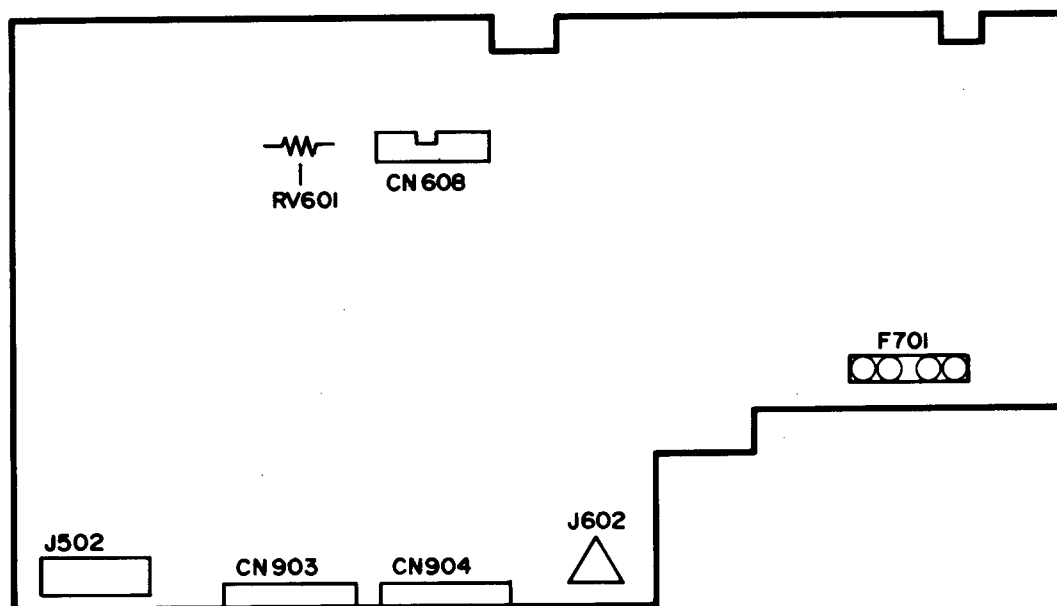
### 2) Front cabinet removal

Remove three screws **C** in the front cabinet.



### 3. ADJUSTMENTS

#### 1. TAPE SECTION



#### 1. TAPE SPEED ADJUSTMENT.

- 1-1. Push the power switch on.
- 1-2. Place the function SW in tape position.
- 1-3. Connect the output from the headphone jack Or speaker terminal to frequency counter.
- 1-4. Load the decks tape A and B with MTT-111N (use a side midpoint).
- 1-5. Press the play button of tape A and adjust RV601 to obtain  $3000\text{Hz} \pm 20\text{Hz}$ .
- 1-6. Stop the Deck (Tape A).
- 1-7. Press the play button of tape B and be sure to obtain  $3000\text{Hz} \pm 20\text{Hz}$ .

\* High speed adjustmat

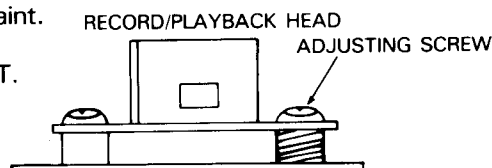
- 1-8. Place the dubbing switch in high speed position.
- 1-9. Press the play button to tape B.
- 1-10. Press the REC button to tape B.
- 1-11. Be sure to obtain  $6000\text{Hz} \sim 6200\text{Hz}$

#### 2. HEAD ADJUSTMENT (AZIMUTH)

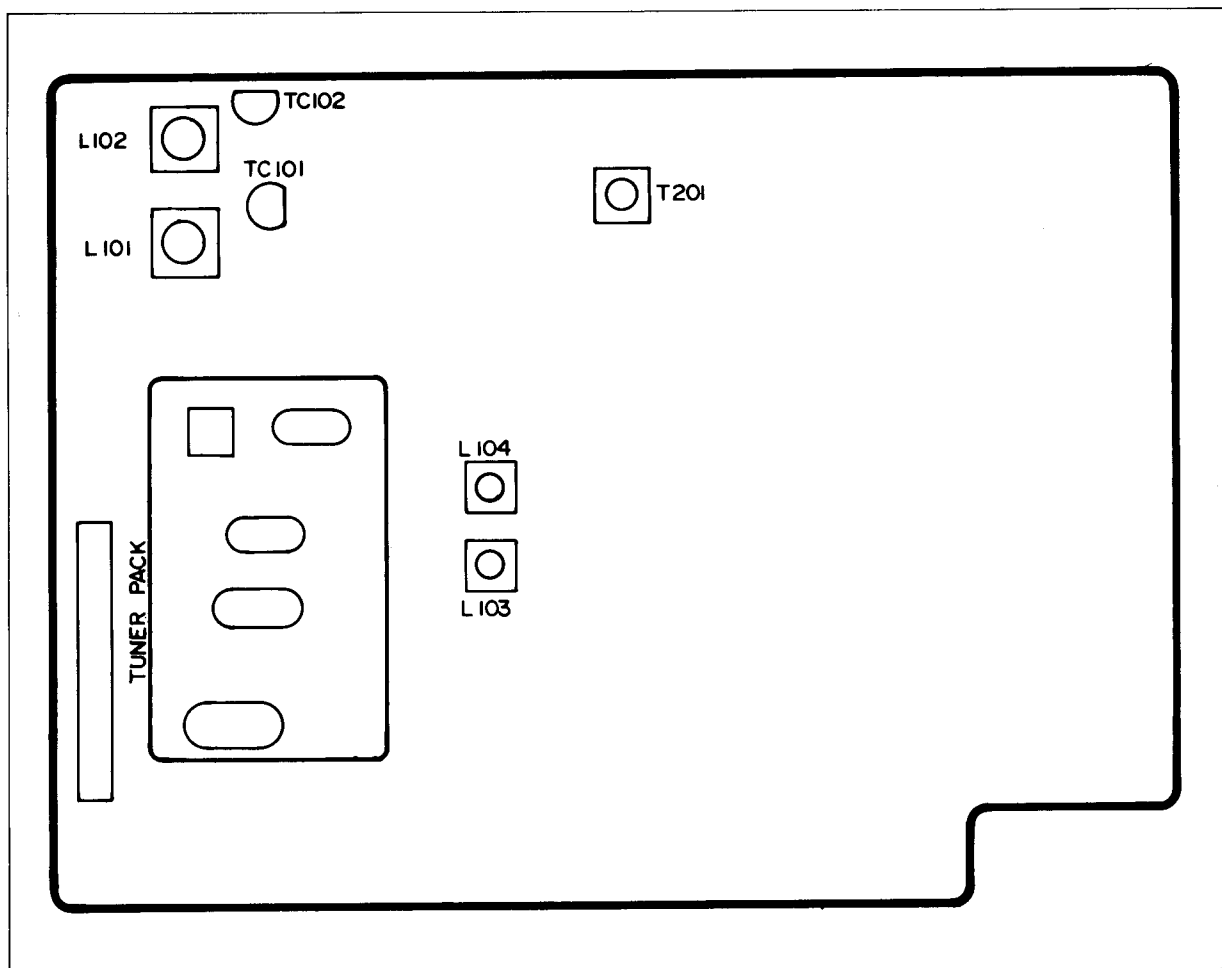
- 2-1. 10 kHz test tape (example: MTT-114N) must be used for this adjustment.
- 2-2. Connect to VTVM or oscilloscope to the headphone JCK or speaker terminal
- 2-3. Press the play button.
- 2-4. Adjust the azimuth by using a screw driver to maintain the maximum L & R output voltage.
- 2-5. Adjust tape A tape B respectively.
- 2-6. Please secure the azimuth position by using locking paint.

#### 3. RECODING BIAS OSCILLATOR FREQUENCY ADJUSTMENT.

- 3-1. Connect the frequency counter to of R601 two ends.
- 3-2. Press REC button of tape B.
- 3-3. Adjust L603 obtain  $85\text{kHz} \pm 100\text{Hz}$



## 2. TUNER SECTION



### 1. TEST EQUIPMENT

- 1-1. Signal generator with A frequency range of at least from 153 kHz to 23 MHz AM.
- 1-2. Oscilloscope with a side amplifier of at approximately 100 kHz.
- 1-3. Test loop-a coil of any size wire, one turn or more. (MW)
- 1-4. A 30 ohm dummy antenna.

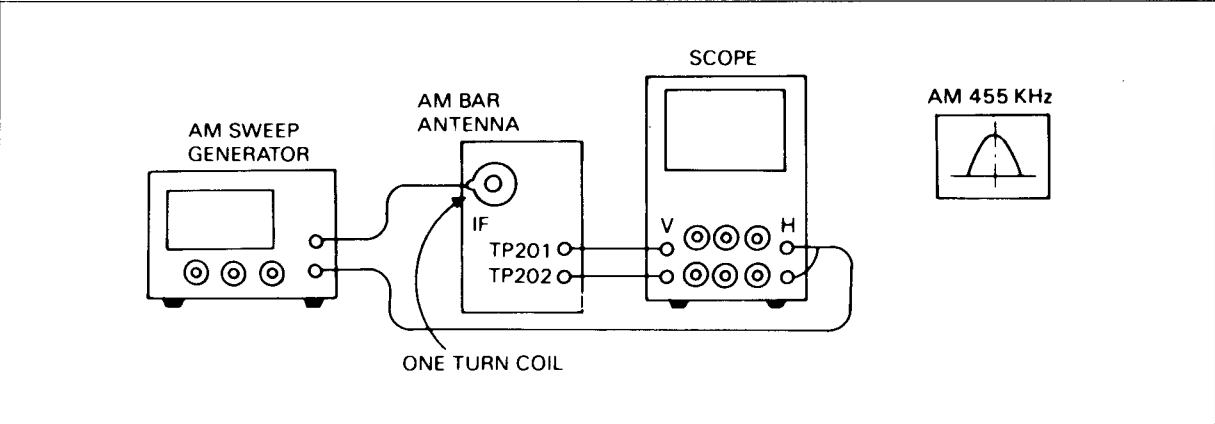
### 2. AM ALIGNMENT

- 2-1. Turn on the AM signal generator and the vtvm allowing a fifteen-minute warm-up period.
- 2-2. Using the test loop across the output of the signal generator, inductively connect the signal generator to the radio.
- 2-3. Connect the VTVM across the headphone jack.
- 2-4. Set signal generator frequency as listed in alignment chart and maintain a sufficient output level to provide an indication on VTVM.

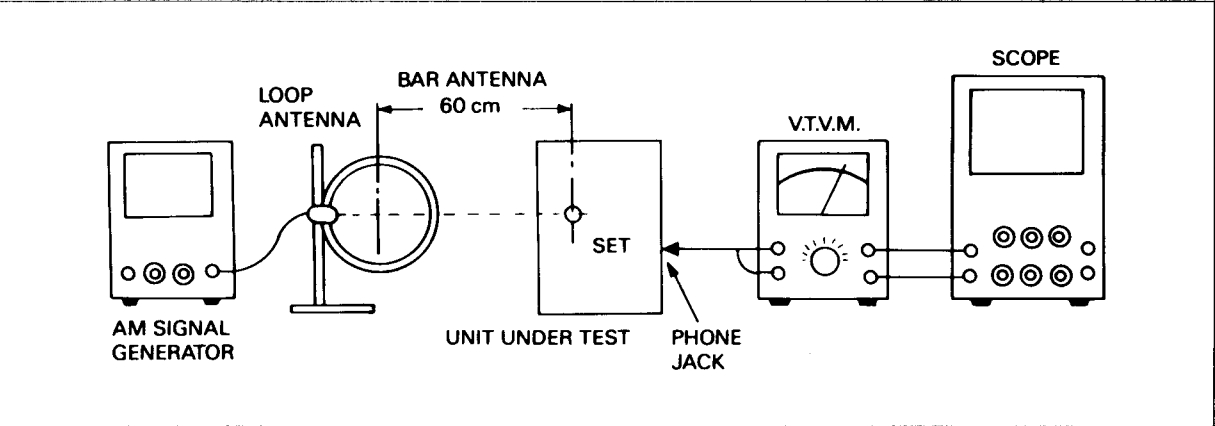
#### \* NOTE:

- (1) Use a screwdriver with plastic grip for all adjustments.
- (2) Standard test frequency 400Hz and modulation 30% for AM.
- (3) Standard test frequency 1 kHz and deviation 22.5 kHz for FM.

■ MW IF ALIGNMENT



■ MW ALIGNMENT



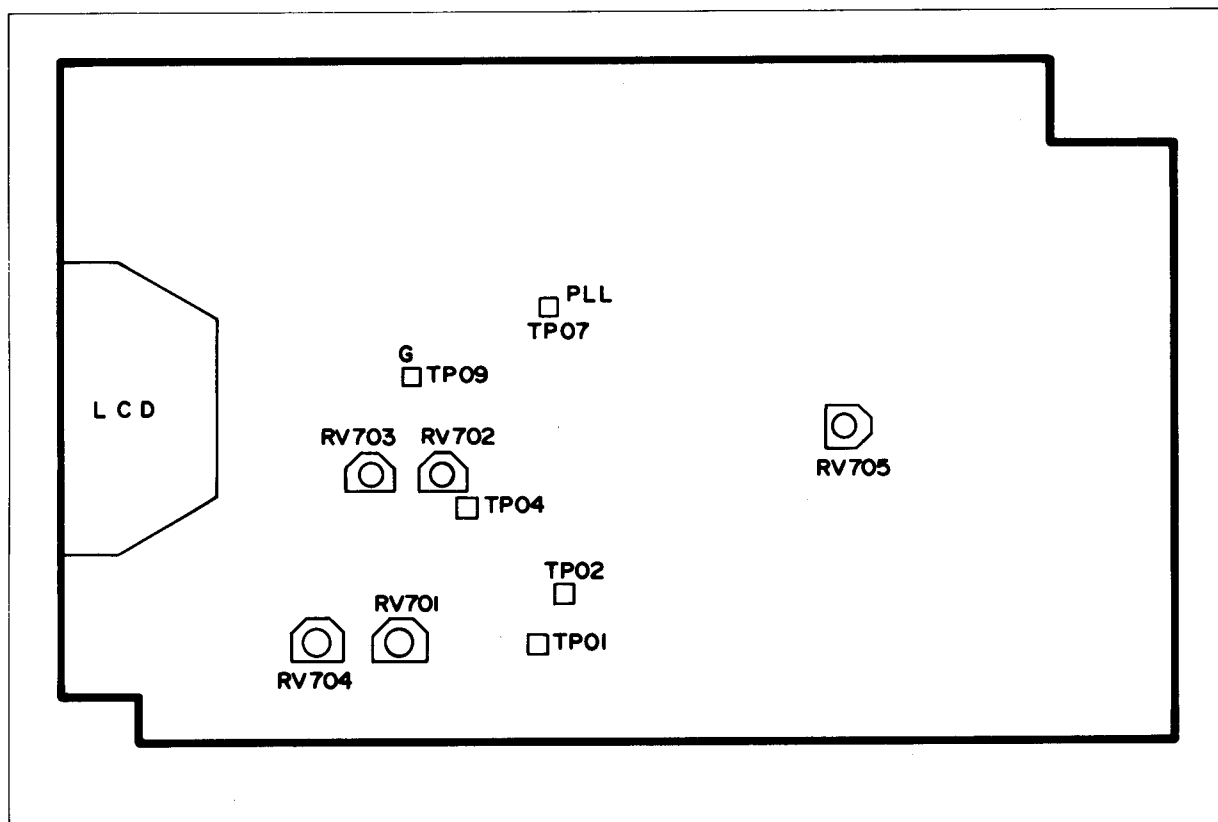
■ LW ALIGNMENT EQUAL TO MW

— AM RF & IF ALIGNMENT CHART

| MW |                       |                                                               |                                                        |                |       |                                                     |
|----|-----------------------|---------------------------------------------------------------|--------------------------------------------------------|----------------|-------|-----------------------------------------------------|
| 1  | If adjustment         | Connect standard loop antenna to output terminal of genescope | Connect input terminal of genescope to detector output | MW in band end | T201  | Adjust for Max. Amplitude with symmetrical 450 kHz. |
| 2  | MW Band               |                                                               | DC voltage meter VT (JW20) and GND                     | 522 kHz        | L103  | Adjust for DC 0.75V + 0.1V                          |
| 3  | Tracking (1)          | 603 kHz, 400 Hz, 30% MOD.                                     | No. 18 Pin in IC201 GND                                | 603 kHz        | L101  | Adjust for max. output and best waveforms.          |
| 4  | Tracking (2)          | 1404 kHz 400 Hz, 30% MOD.                                     | No. 18 pin in IC201 GND                                | 1404 kHz       | TC101 | Same as above.                                      |
| 5  | REPEAT STEPS 3 AND 4. |                                                               |                                                        |                |       |                                                     |

| LW                      |              |                         |                                            |         |       |                                            |
|-------------------------|--------------|-------------------------|--------------------------------------------|---------|-------|--------------------------------------------|
| 1                       | LW Band      |                         | DC voltage meter VT (JW68) and GND (TP205) | 153 kHz | L104  | Adjust for DC $0.85V \pm 0.1V$             |
| 2                       | Tracking (1) | 164 kHz 40 Hz, 30% MOD. | No. 18 pin in IC201 GND                    | 164 kHz | L102  | Adjust for MAX. output and rest waveforms. |
| 3                       | Tracking (2) | 263 kHz 400Hz, 30% MOD. | No. 18 pin in IC201 GND                    | 263 kHz | TC102 | Same as above.                             |
| 4 Repeat steps 2 and 3. |              |                         |                                            |         |       |                                            |

### 3. CD SECTION



#### 1. ADJUSTMENT MODE SET

- 1.1. Set all of the adjustment volume to center position.
- 1.2. Use SRCD-4-002 disc (or YEDS-18) unless otherwise indicated.
- 1.3. Perform adjustment in the order given.

#### 2. PLL ADJUSTMENT.

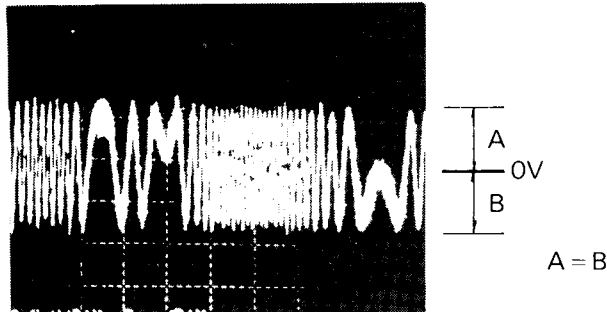
- 2-1. Connect the frequency counter with TP07 and the ground of the frequency counter with TP09.
- 2-2. Stop mode (CD).
- 2-3. Adjust RV705 so that the frequency counter is  $5.05 \text{ MHz} \pm 50 \text{ kHz}$ .

#### 3. FOCUS OFFSET ADJUSTMENT.

- 3-1. Connect the oscilloscope (more than 60Hz) with TP01 and the ground of the oscilloscope with TP02.
- 3-2. Insert A disc and playback CD.
- 3-3. Adjust RV704 so that RF signal comes to be maximum and definite waveform ( $0.2V/DIV$ ,  $0.5\mu\text{SEC}/DIV$ . AC).

#### 4. TRACKING BALANCE ADJUSTMENT

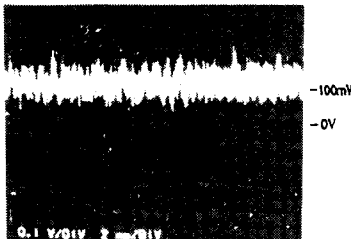
- (1) Connect the oscilloscope with TP04 and the ground of the oscilloscope with TP02 (0.5V/DIV. 5msec/DIV. DC).
- (2) Insert a disc and playback CD.
- (3) turn the volume of RV702 to counterclockwise.
- (4) Adjust RV701 so that the waveform is symmetry above and below (A=B) relative the 0 volt.
- (5) Return RV702 to center position.



#### 5. FOCUS GAIN ADJUSTMENT

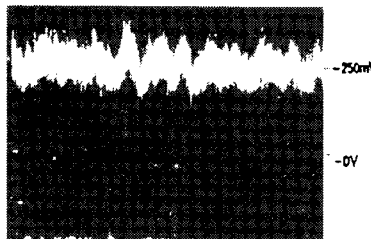
- (1) Connect the oscilloscope with TP20 and the ground of the oscilloscope with TP02.
- (2) Insert a disc and playback CD.
- (3) Adjust RV703 so that the center of waveform meets at their 100mv line as shown in the figure below (Normal waveform).

(NORMAL WAVEFORM)



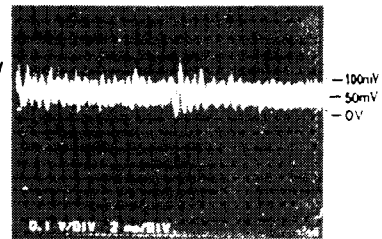
VOLT/DIV: 0.1V  
TIME/DIV: 2MS

(LOW FOCUS GAIN)



VOLT/DIV: 0.1V  
TIME/DIV: 2MS

(HIGH FOCUS GAIN)



VOLT/DIV: 0.1V  
TIME/DIV: 2MS

#### 6. TRACKING GAIN ADJUSTMENT

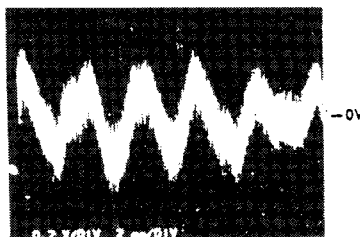
- (1) Connect the oscilloscope with TP04 and the ground of the oscilloscope with TP0.2.
- (2) Insert a disc and playback CD.
- (3) Adjust RV702 so that the waveform becomes the normal waveform as shown in the figure below.

(NORMAL WAVEFORM)



VOLT/DIV: 0.2V  
TIME/DIV: 2MS

(LOW TRACKING GAIN)



VOLT/DIV: 0.2V  
TIME/DIV: 2MS

(HIGH TRACKING GAIN)



VOLT/DIV: 0.2V  
TIME/DIV: 2MS



# UNDERSTAND OF LASER FIELD

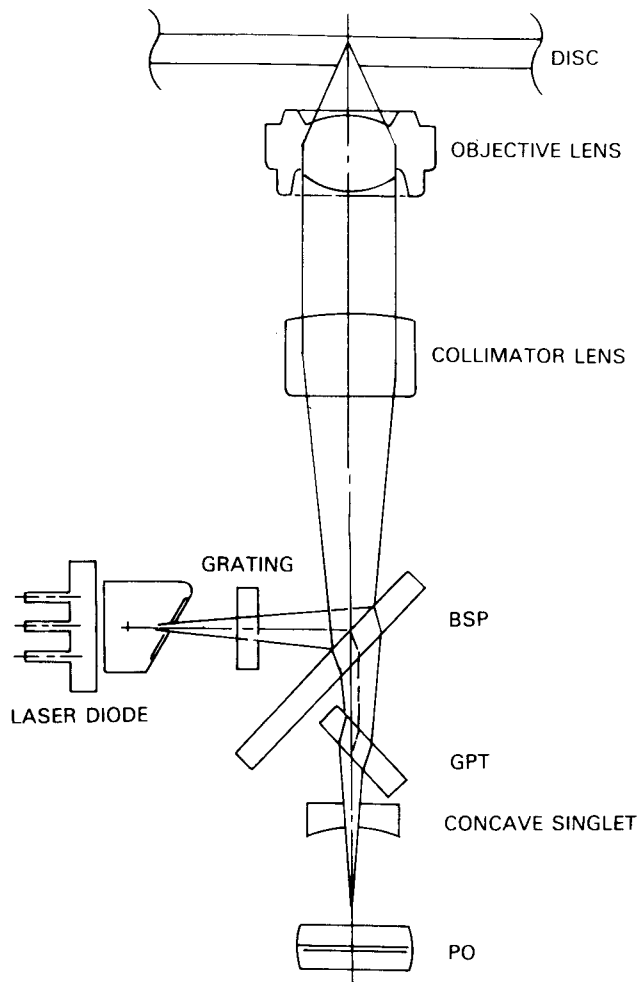
## 1. LASER DIODE

This LASER PRODUCT USE to GaAS.  
Double Stereo Laser Diode.

It utilizes PIN function the same as a  
Light Emitting Diode.

it has the following Specification.

- 1) Reverse Voltage VRL 5V
- 2) Limit Power PLM. 5V
- 3) Operating temperature TC-40-60°C
- 4) Wave Length  $780 \pm 25\text{nm}$
- 5) Specification NO: SONY CORPORATION  
KSM-150B-DM



(OPTICAL SYSTEM BLOCK) (Fig. 1)

2. GRATING

It is possible to get 1st beam with main beam while Laser radiation Passes through the narrow slit. Diffraction Grid made by arrangement of narrow line on the glass so when the Laser radiatikon from Laser diode is through the diffraction grid it has two kinds of beam dalled main beam and sub beam.

3. BSP

This beam from the laser diode will reflet this prism and pass beam from the compact disc will heat to the photo detector.

This prism performs selective reflection.

4. Collimator Lens.

This lens changes the laser diode light Into parallel light.

5. CONCAVE SINGLET

This lens conectrate the laser beam from the prism on the photo diode. Figure 2 shows the concentra-tion of the laser beam by the cylindrical lens.

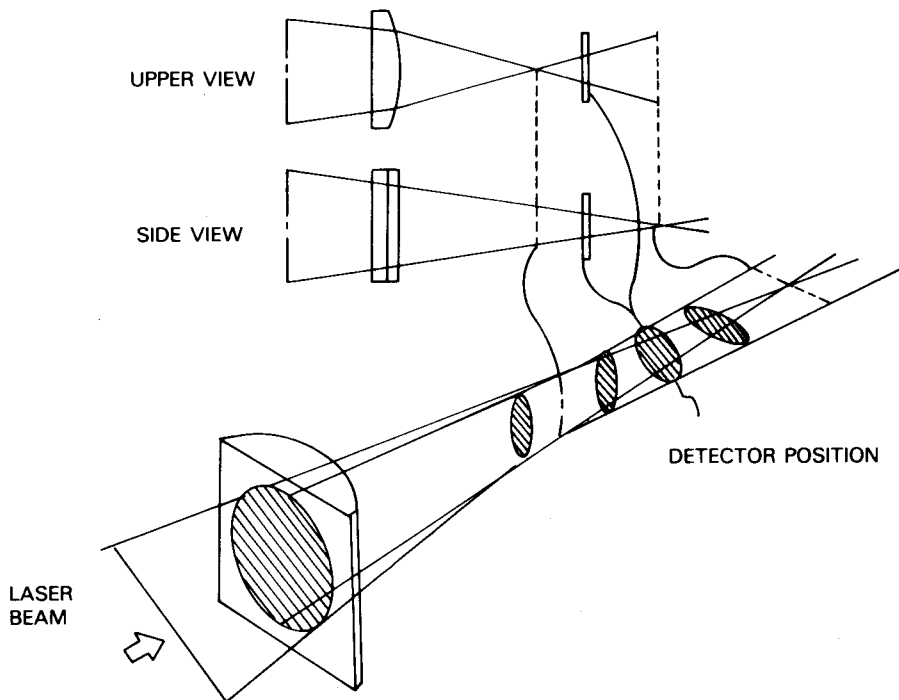


FIG. 2

lit.  
om  
n.  
at



Fig. 3

This circuit automatically control the Laser power for the constant Laser power source.

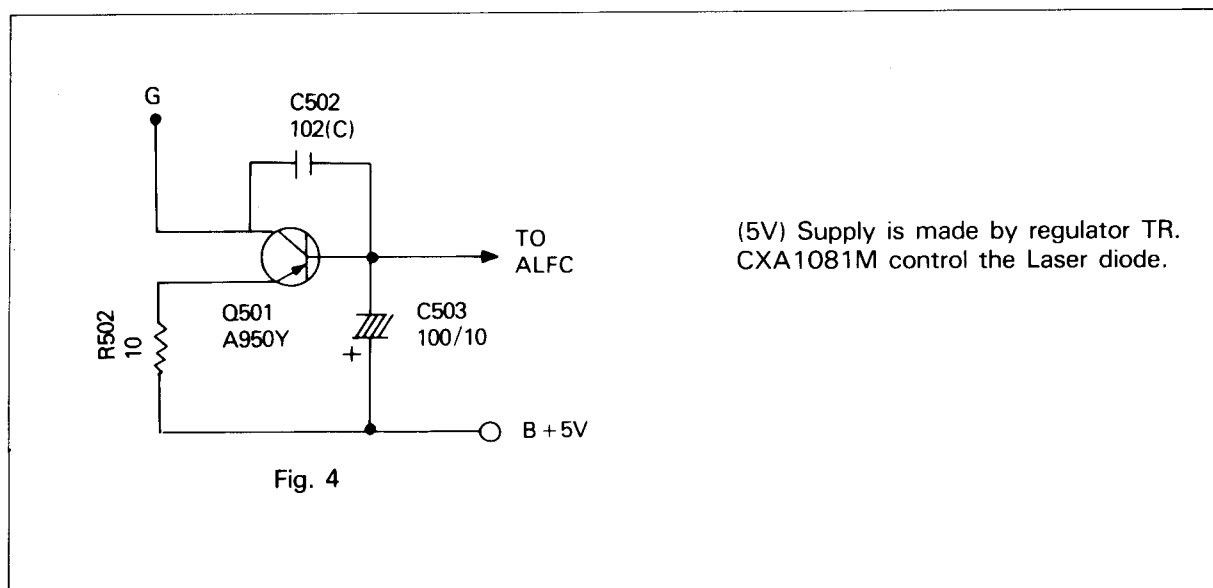


Fig. 4

Laser diode will emit only during in play mode. If there is no disc in the disc table, laser diode will turn off at once.

# 4. IC BLOCK DIAGRAM

## 1. FTH3-503H (TUNER PACK)

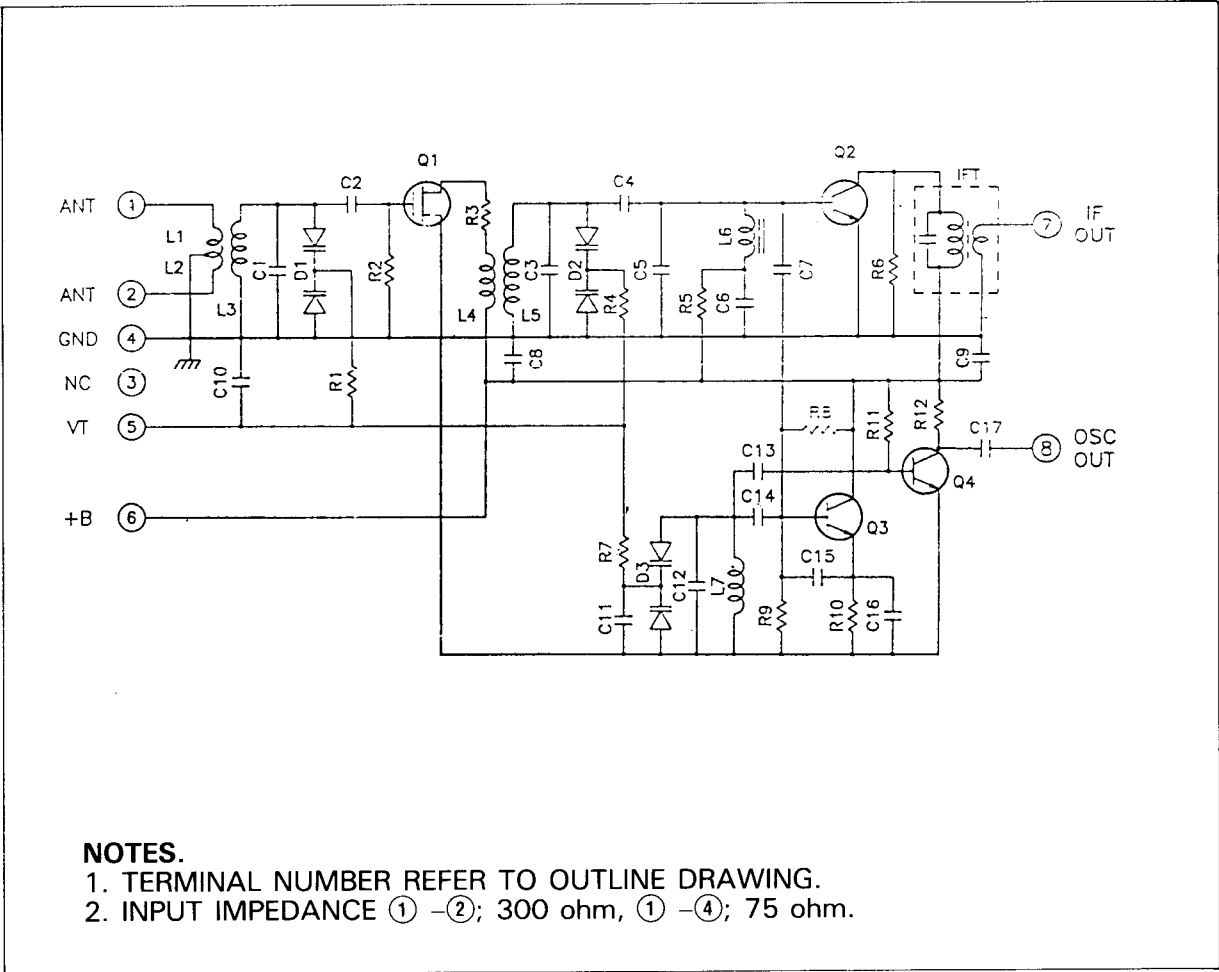
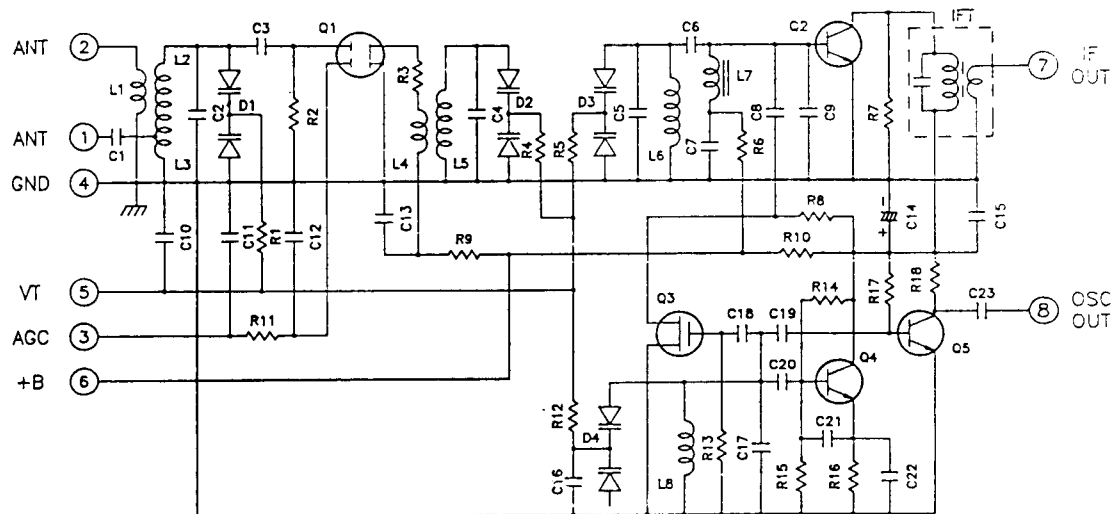


TABLE: 1. Calibration (at standard test condition)

| Receiving frequency<br>(MHz) | Tuning voltage<br>(V) | Allowable voltage<br>(V) |
|------------------------------|-----------------------|--------------------------|
| 88                           | 1.55                  | 1.40 min.                |
| 90                           | 1.85                  | —                        |
| 92                           | 2.25                  | —                        |
| 94                           | 2.65Z                 | —                        |
| 96                           | 3.15                  | —                        |
| 98                           | 3.70                  | —                        |
| 100                          | 4.35                  | —                        |
| 102                          | 5.05                  | —                        |
| 104                          | 5.85                  | —                        |
| 106                          | 6.80                  | —                        |
| 108                          | 7.85                  | 8.50 max.                |

2. FTH4-560H (TUNER PACK)-FTZ. CE



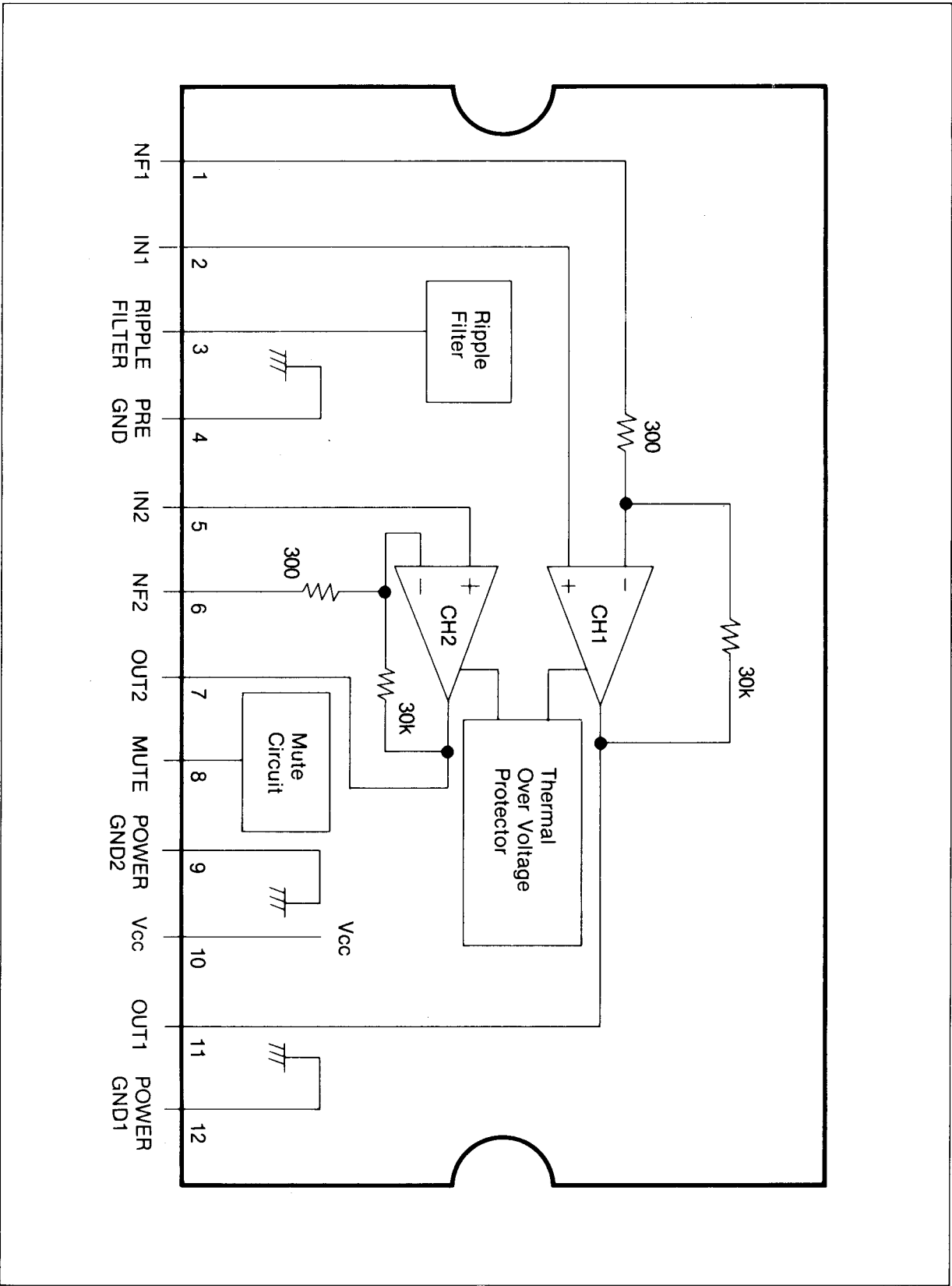
- NOTES.
- 1. Terminal number refer to outline drawing.
  - 2. Input impedance ①-②; 300 ohm, ①-④; 75 ohm.

Table. 2 Calibration (at standard test condition)

| Receiving frequency<br>(MHz) | Tuning voltage<br>(V) | Allowavle voltage<br>(V) |
|------------------------------|-----------------------|--------------------------|
| 88                           | 1.60                  | 1.40 mion.               |
| 90                           | 1.90                  | —                        |
| 92                           | 2.30                  | —                        |
| 94                           | 2.75                  | —                        |
| 96                           | 3.20                  | —                        |
| 98                           | 3.75                  | —                        |
| 100                          | 4.40                  | —                        |
| 102                          | 5.10                  | —                        |
| 104                          | 5.90                  | —                        |
| 106                          | 6.85                  | —                        |
| 108                          | 7.90                  | 8.50 max.                |

LA4282

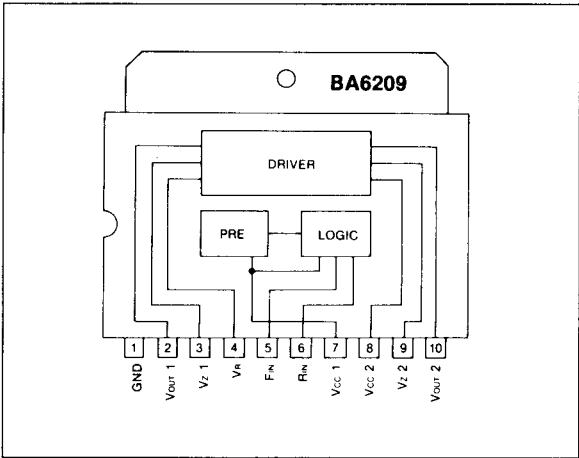
Pin layout diagram and block diagram



BA6209

The BA 6209 is a reversible motor driver that can directly drive a motor to be reversibly rotated, e.g., loading motor Of VTR, capstan motor and reel motor.

Motor dash current, often occurring during reversing or STOP, can be effectively absorbed, while resisting a dash current up to 1.6A



TEST CIRCUITS

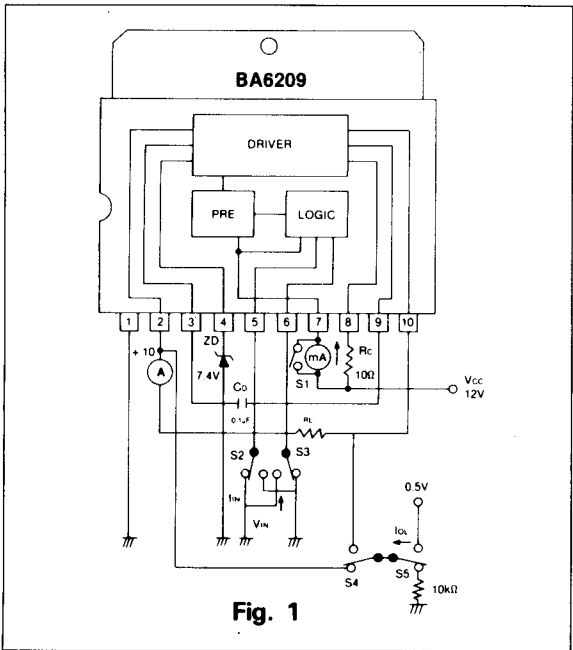


Fig. 1

APPLICATION EXAMPLE

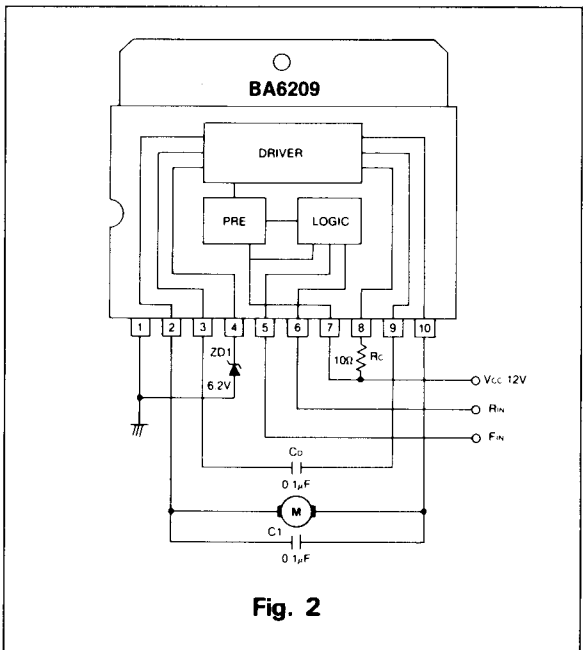


Fig. 2

INPUT/OUTPUT DATA

| Fin | Rin | Vout 1 | Vout 2 |
|-----|-----|--------|--------|
| H   | H   | L      | L      |
| L   | H   | L      | H      |
| H   | L   | H      | L      |
| L   | L   | L      | L      |

Note: ① Input Level H = 2.0V UP  
② Input Level L = 0.7V DOWN

**KIA6289N (TA8189N)**

**QUAD PRFAMPLIFIER FOR DOUBLE CASSETTE TYPE RECORDER**

KIA6289N is a Quad pre amplifier designed for use in record/play back amplifier. it is suitable for double cassette tape recorder.

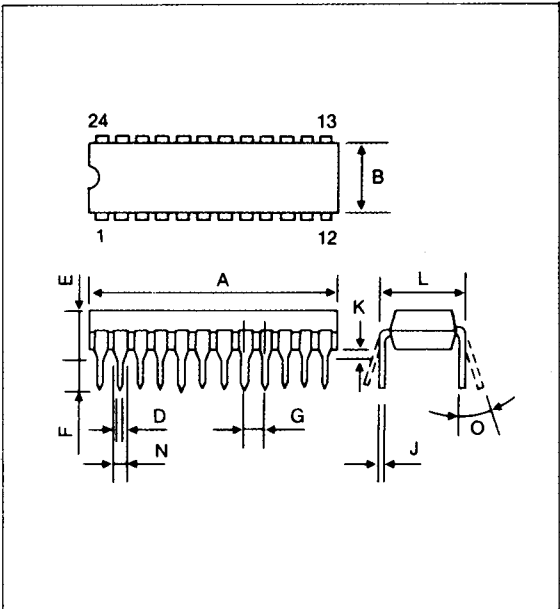
**Play back Amp.**

- Built in input select switch
- Built equalizer control switch
- Hexing output, for music selection.

**Recording Amp.**

- Built in ALC detector circuit
- Operating supply voltage range:  $V_{cc} \times 4 \sim 13.5V$

| DIM | MILLIMETERS |       |
|-----|-------------|-------|
|     | MIN.        | MAX.  |
| A   | —           | 22.80 |
| B   | —           | 6.50  |
| D   | 0.31        | 0.61  |
| E   | —           | 5.00  |
| F   | 2.50        | —     |
| G   | 1.78        |       |
| J   | 0.20        | 0.35  |
| K   | 0.51        | —     |
| L   | 7.37        | 7.87  |
| N   | 0.85        | 1.15  |
| O   | 7°          |       |



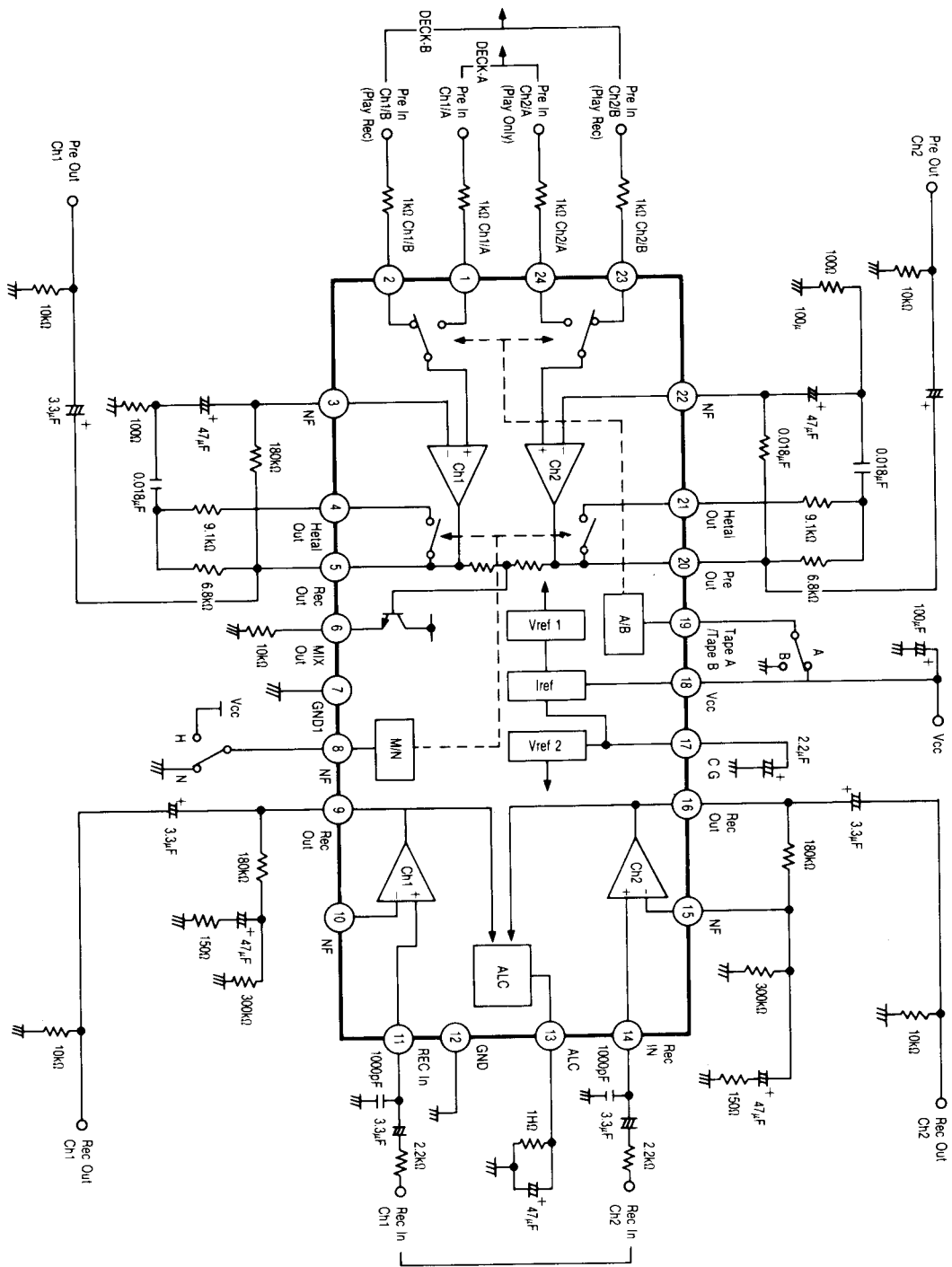
**MAXIMUM RATINGS (Ta = 25°C)**

| CHARACTERISTIC        | SYMBOL | RATING     | UNIT |
|-----------------------|--------|------------|------|
| Supply Voltage        | Vcc    | 14.5       | V    |
| Power Disisipation    | PD     | 1200       | mV   |
| Operating Temperatuer | Topr   | - 20 ~ 75  | °C   |
| Storage Temperatuer   | Tstg   | - 55 ~ 150 | °C   |

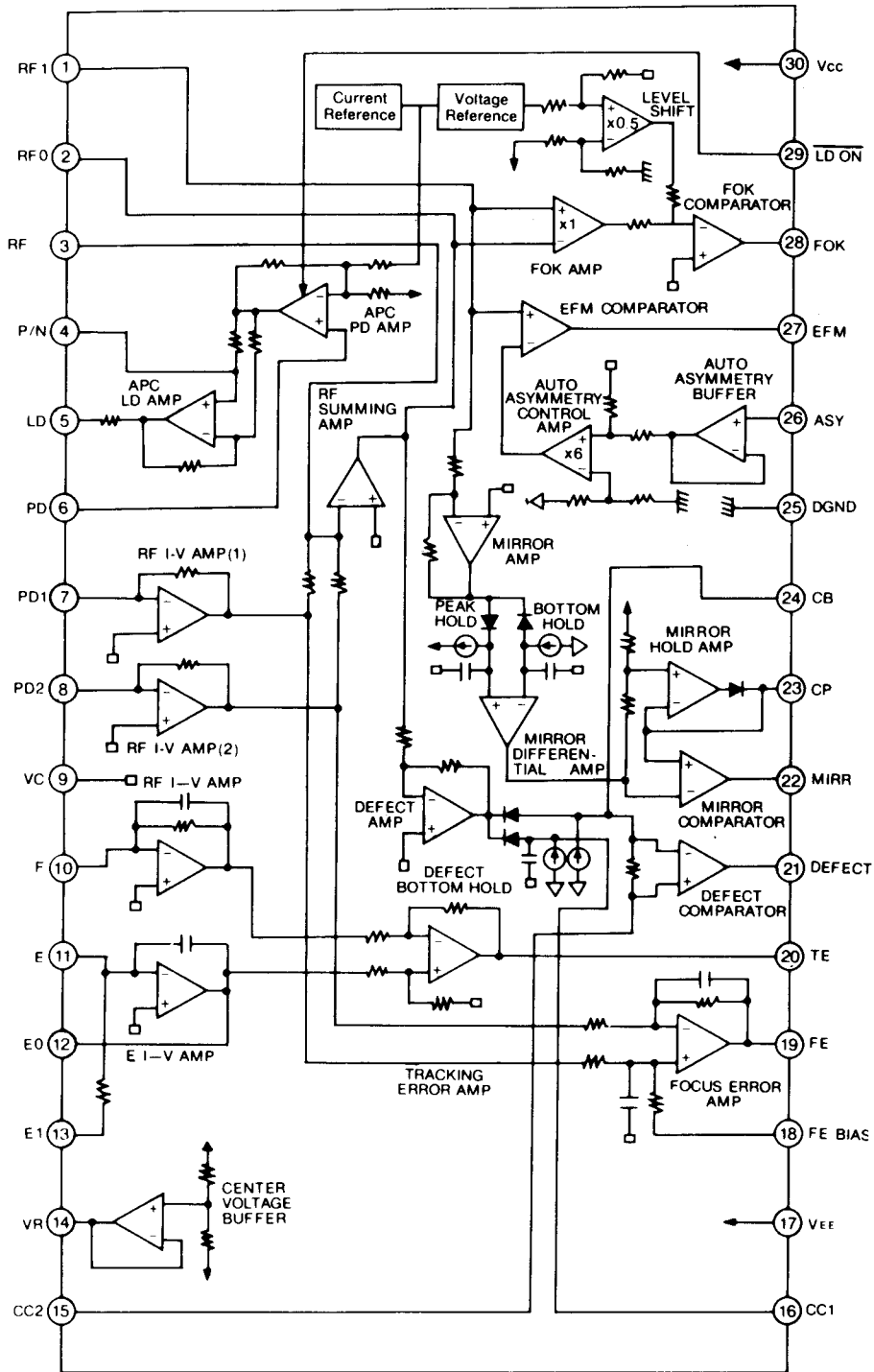
\* Derated above Ta = 25°C in the proportion of 9.6mV

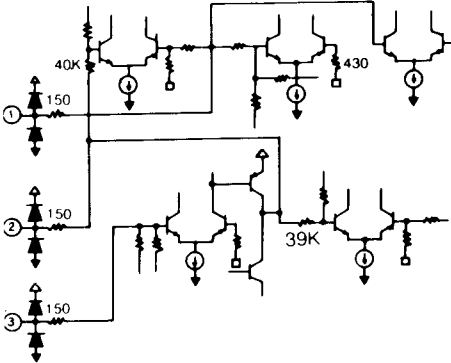
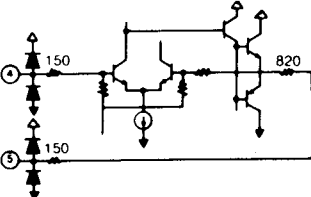
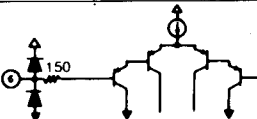
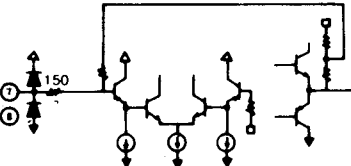
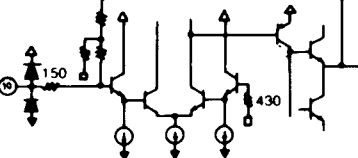


# APPLICATION CIRCUIT

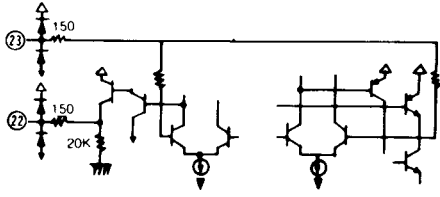
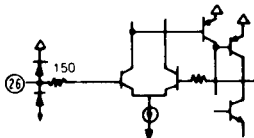
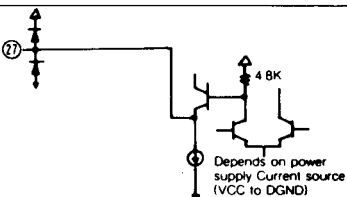
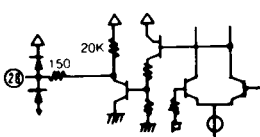
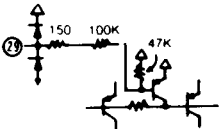


■ BLOCK DIAGRAM AND PIN CONFIGURATION 1. (TOP VIEW) CXA 1081M

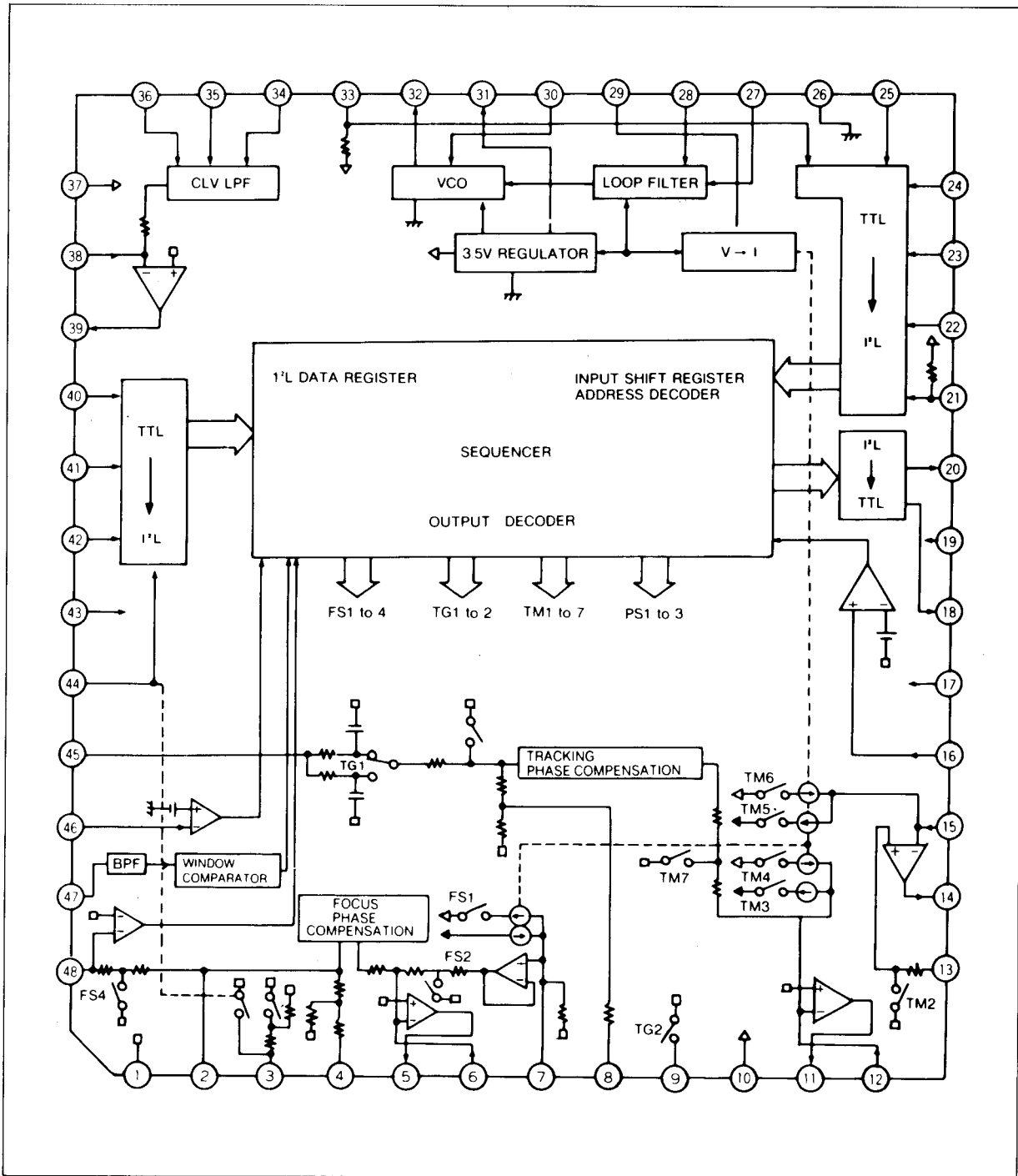


| No. | Symbol | I/O | DC voltage (V) | Equivalent circuit                                                                  | Description                                                                                    |
|-----|--------|-----|----------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 1   | RFI    | I   | O              |    | Input pin with coupling capacitor where the RF summing amplifier output is connected.          |
| 2   | RFO    | O   | $V_{Crfo}$     |                                                                                     | Output pin of RF summing amplifier and check point of the eye pattern.                         |
| 3   | RF—    | I   | O              |                                                                                     | Feedback input in of the RF summing amplifier.                                                 |
| 4   | P/N    | I   | O (VC)         |    | Switching pin of the LD P—sub/N-sub (DC voltage:at N-sub)                                      |
| 5   | LD     | O   | -1.8           |                                                                                     | Output pin of the * APC DC amplifier DC voltage:at N-sub and pin 6 open)                       |
| 6   | PD     | I   | O              |  | Input pin of the * APC PD amplifier (DC voltageL Open)                                         |
| 7   | PD1    | I   | O              |  | Inversion input pin of the RF-I-V amplifier (1); with the pin photo diode of A and C connected |
| 8   | PD2    | I   | O              |                                                                                     | Inversion input pin of the RF I-V amplifier (2); with the pin photo diode of B and D connected |
| 9   | VC     | —   | O              |  | For dual power supply: GND<br>For single power supply: VR (pin 14)                             |
| 10  | F      | I   | O              |  | Inversion input pin of the F I-V amplifier with the pin photo connected                        |

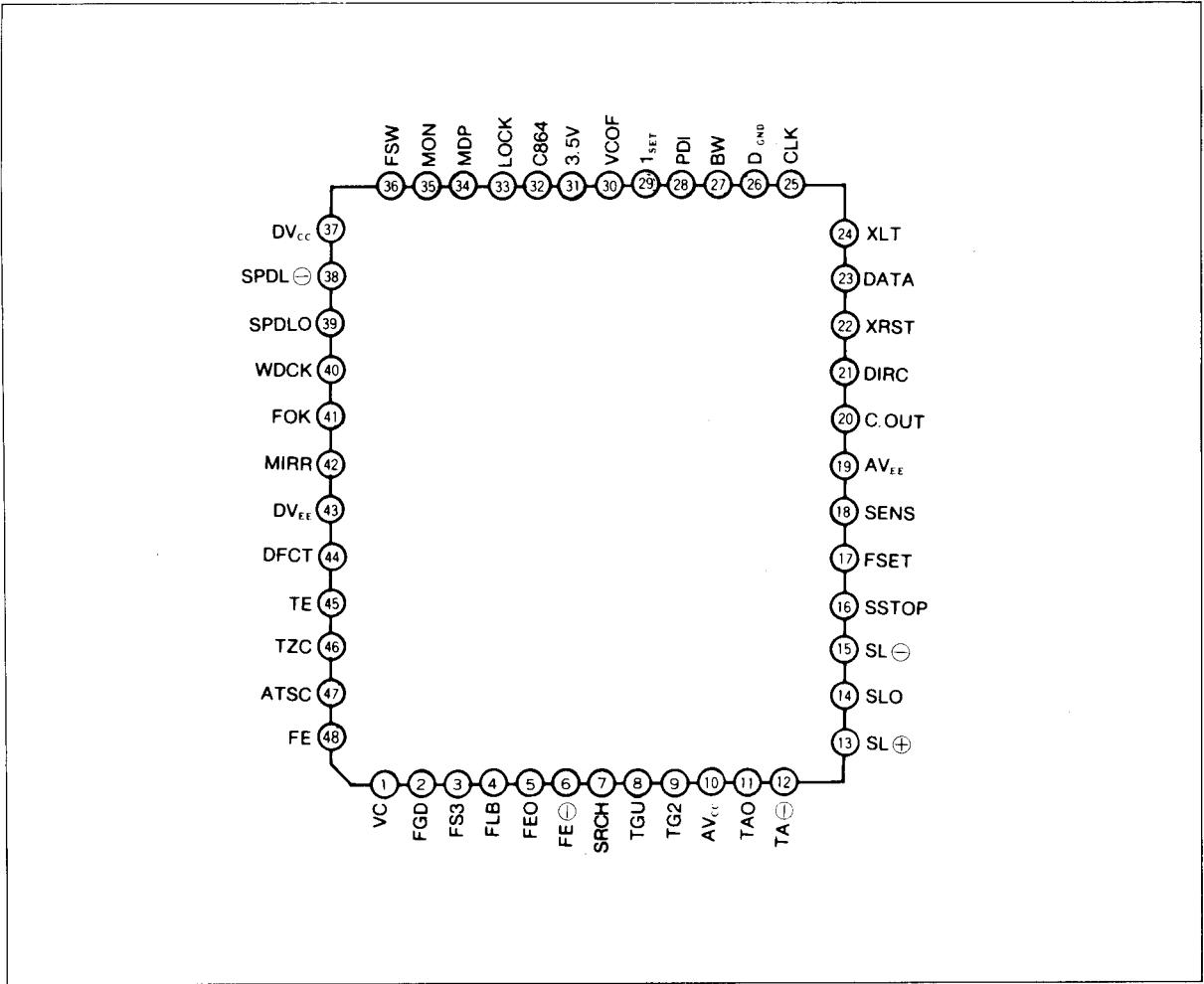
| No. | Symbol   | I/O | DC voltage (V) | Equivalent circuit | Description                                                                                                               |
|-----|----------|-----|----------------|--------------------|---------------------------------------------------------------------------------------------------------------------------|
| 11  | E        | I   | O              |                    | Inversion input pin of the E I-V amplifier; with the Pin photo diode of E connected                                       |
| 12  | EO       | O   | O              |                    | Output pin of the E I-V amplifier                                                                                         |
| 13  | EI       | I   | O              |                    | Feedback input pin of the E I-V amplifier<br>For gain adjustment of the E I-V amplifier.                                  |
| 20  | TE       | O   | $V_{TEO}$      |                    | Output pin of the tracking error amplifier                                                                                |
| 14  | VR       | O   | $V_{CVO}$      |                    | Output pin of $(V_{CC} + V_{EE})/2$ DC voltage                                                                            |
| 15  | CC2      | I   | 1.0            |                    | Input pin (with coupling capacitor) where the Defect bottom-hold output is connecting                                     |
| 16  | CC-      | O   | 1.2            |                    | Output pin of the Defect bottom hold                                                                                      |
| 21  | DEFECT   | O   | $V_{DFCTL}$    |                    | Output pin of the defect comparator (DC voltage; at 10k $\Omega$ load)                                                    |
| 24  | CB       | I   | O              |                    | Connection pin of the Defect bottom-hold capacitor                                                                        |
| 17  | $V_{EE}$ | -   | $\pm 2.5$      |                    | For dual power supply<br>Negative power supply<br>For single power supply: GND                                            |
| 18  | FE BIAS  | I   | O              |                    | Non Inverted Bias Pin of focus error amplifier<br>For CMR (Common Mode Rejection) adjustment of the focus error amplifier |
| 19  | FE       | O   | $V_{FEO}$      |                    | Output pin of the focus error amplifier                                                                                   |

| No. | Symbol | I/O | DC voltage (V) | Equivalent circuit                                                                  | Description                                                                    |
|-----|--------|-----|----------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 22  | MIRR   | O   | $V_{MIRL}$     |    | Output pin of the MIRR comparator (DC voltage: 10k $\Omega$ load)              |
| 23  | CP     | I   | -1.3           |                                                                                     | Connecting of MIRR hold capacitor<br>Non inverted input pin of MIRR comparator |
| 25  | DGND   | —   | -1.5           |    | For dual power supply: GND<br>For single power supply: gnd ( $V_{EE}$ )        |
| 26  | ASY    | I   | —              |    | Input pin of the auto asymmetry control amplifier                              |
| 27  | EFM    | O   | $V_{EFMH}$     |   | Output pin of the EFM comparator (DC voltage; at 10k $\Omega$ load)            |
| 28  | FOK    | O   | $V_{FOKL}$     |  | Output pin of the FOK comparator (DC voltage: at 10k $\Omega$ load)            |
| 29  | LD ON  | I   | -2.5 (DGND)    |  | Switching pin of the LD ON/OFF (DC voltage: For LD on)                         |
| 30  | Vcc    | —   | 2.5            |  | Positive power supply                                                          |

CXA 1082AQ  
BLOCK DIAGRAM



Pin configuration CXA 1082AQ



Pin Description

| No. | Symbol | Equivalent Circuit | Description                                                                           |
|-----|--------|--------------------|---------------------------------------------------------------------------------------|
| 2   | FGD    |                    | Connect a capacitor between this pin and pin 3 (9) to reduce the high-frequency gain. |
| 3   | FS3    |                    | The high-freugncy gain of the focus servo can be changed by switching FS3 On or OFF.  |

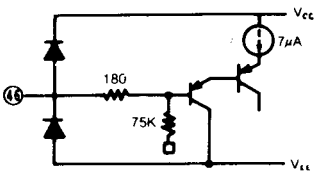
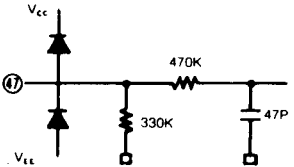
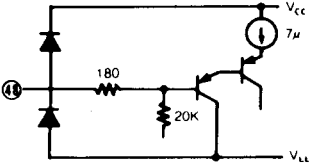
| No. | Symbol | Equivalent Circuit | Description                                                                     |
|-----|--------|--------------------|---------------------------------------------------------------------------------|
| 4   | FLB    |                    | Time constant external pin for rising low band-width of the focus servo.        |
| 5   | FEO    |                    | focus drive output                                                              |
| 11  | TAO    |                    | Tracking drive output                                                           |
| 14  | SLO    |                    | Sied drive output                                                               |
| 39  | SPDLO  |                    | Spindle drive output                                                            |
| 6   | FE-    |                    | Inverse input pin for the focus amplifier.                                      |
| 7   | SRCH   |                    | Pin for providing a time constant to generate the focus search waveform         |
| 8   | TGU    |                    | Pin for providing a time constant to switch the tracking gain of high-frequency |
| 9   | TG2    |                    | Pin for providing a time constant to change the high-frequency tracking gain.   |



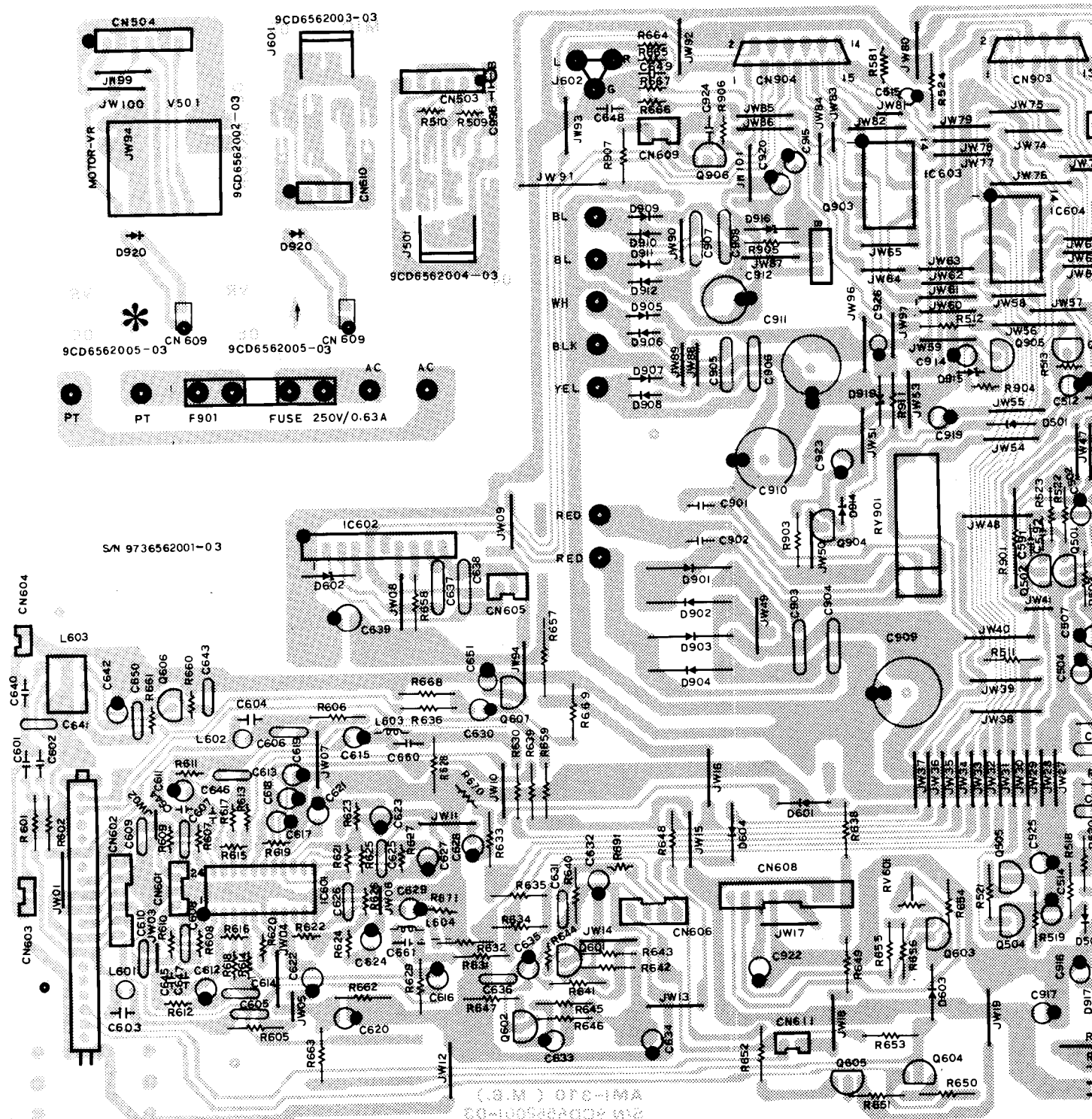
| No. | Symbol | Equivalent Circuit | Description                                                                                         |
|-----|--------|--------------------|-----------------------------------------------------------------------------------------------------|
| 12  | TA-    |                    | Inverse input pin for the tracking amplifier.                                                       |
| 13  | SL +   |                    | Non-inverse input pin for the sied amplifier.                                                       |
| 15  | SL -   |                    | Inverse input pin for the sied amplifier.                                                           |
| 16  | SSTOP  |                    | Pin for detecting a signal for the ON/OFF limit switch of the innermost part of the disc.           |
| 17  | FEST   |                    | Pin for setting the peak frequency of the focus, tracking phase compensation and F0 of the CLV LPF. |
| 18  | SENS   |                    | Pin to output FZC, AS, TZC, SSTOP and BUSY by command from CPU.                                     |
| 20  | C.OUT  |                    | Track number count signal output                                                                    |

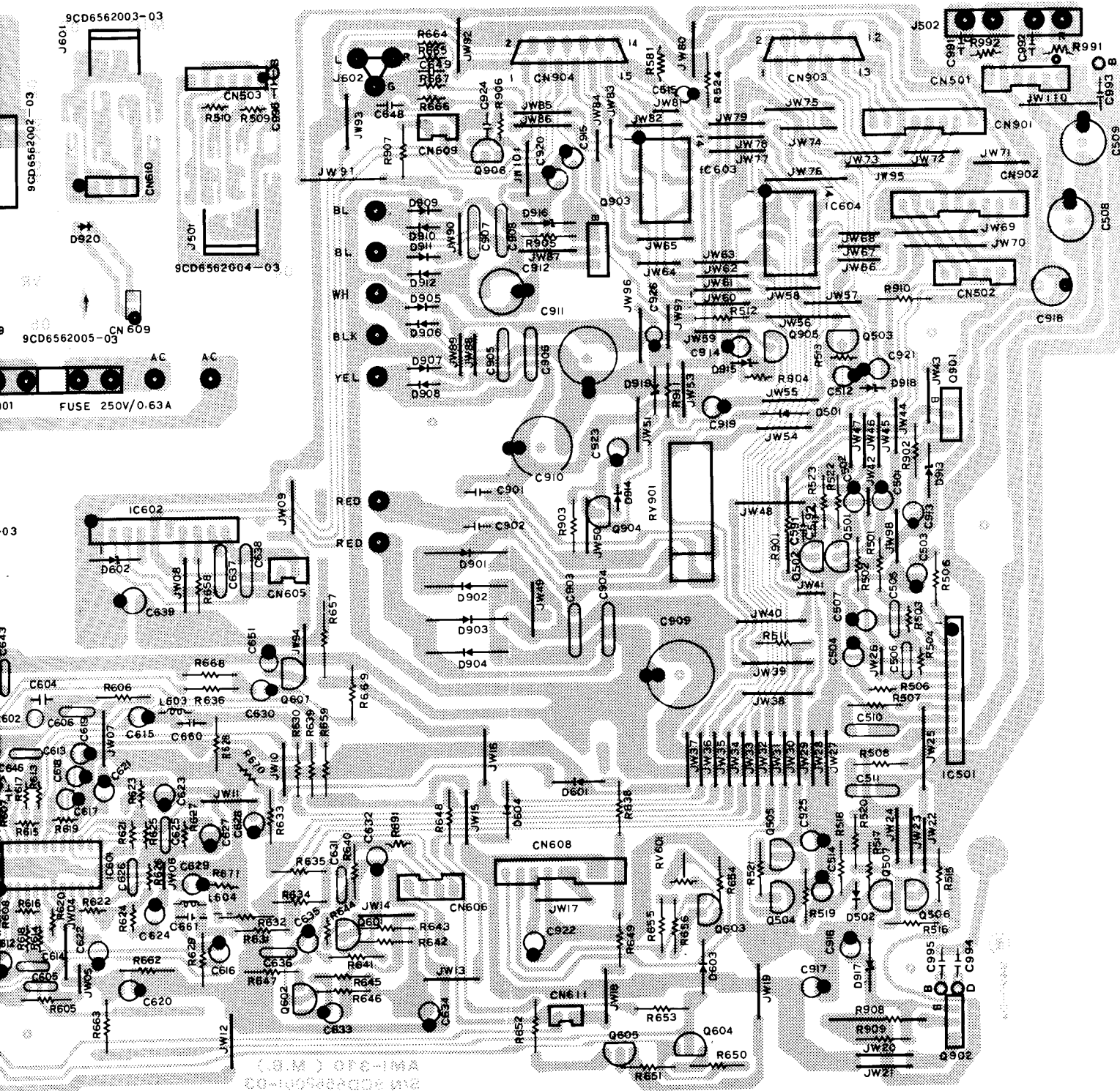
| No. | Symbol | Equivalent Circuit | Description                                                                                                       |
|-----|--------|--------------------|-------------------------------------------------------------------------------------------------------------------|
| 21  | DIRC   |                    | Pin for one-track jump<br>Contains a 47kΩ pull-up resistor.                                                       |
| 22  | XRST   |                    | Reset input pin, reset at "L"                                                                                     |
| 23  | DATA   |                    | Serial data input from CPU                                                                                        |
| 24  | XLT    |                    | Latch input from CPU                                                                                              |
| 25  | CLK    |                    | Serial data transfer clock input from CPU                                                                         |
| 33  | LOCK   |                    | Pin for the operation of the sled runaway prevention circuit at "L"<br>Contains a 47kΩ pull-up resistor.          |
| 27  | BW     |                    | Pin for providing a time constant for the loop filter.                                                            |
| 28  | PDI    |                    | Input pin for the CX23035/CXE 1135 phase comparator output PDO.                                                   |
| 29  | ISET   |                    | Current is input, determining the peaks of focus search, track jump, and sled kick.                               |
| 30  | VCOF   |                    | The free-running frequency of VCO is almost proportional to the resistance value between this pin and pin 31 (37) |
| 32  | C864   |                    | Output pin of 8.64 MHz VCO.                                                                                       |

| No.                  | Symbol                      | Equivalent Circuit | Description                                                                                                                                                                                                     |
|----------------------|-----------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 34                   | MDP                         |                    | Pin for connecting the CX23035/<br>CXD 1135 MDP pin                                                                                                                                                             |
| 35                   | MON                         |                    | Pin for connecting the CX/23035/<br>CXD 1135 MON pin                                                                                                                                                            |
| 36                   | FSW                         |                    | Pin for providing an external LPF<br>time constant of the CLV servo<br>error signal.                                                                                                                            |
| 38                   | SPDL-                       |                    | Inverse input pin for the spindle<br>drive amplifier.                                                                                                                                                           |
| 40<br>41<br>42<br>44 | WDCK<br>FOK<br>MIRR<br>DFCT |                    | Clock input for auto sequence,<br>usually 88.2 KHz is input<br>FOK signal input pin<br>Mirror signal input pin<br>Defect signal input pin for the<br>operation of the defect counter-<br>measure circuit at "H" |
| 45                   | TE                          |                    | Input pin for tracking error signals.                                                                                                                                                                           |

| No. | Symbol | Equivalent Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Description                                            |
|-----|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| 46  | TZC    |  <p>The circuit for the TZC pin (pin 46) shows a differential input structure. It consists of two diodes connected to <math>V_{CC}</math> and <math>V_{EE}</math>. A resistor of 180 is connected between the two diodes. A 75K resistor is connected from the node between the diodes to <math>V_{EE}</math>. A 7μA current source is connected from <math>V_{CC}</math> to the node between the diodes.</p> | Input pin for the zero-cross tracking comparator.      |
| 47  | ATSC   |  <p>The circuit for the ATSC pin (pin 47) shows a differential input structure. It consists of two diodes connected to <math>V_{CC}</math> and <math>V_{EE}</math>. A resistor of 470K is connected between the two diodes. A 330K resistor is connected from the node between the diodes to <math>V_{EE}</math>. A 47P capacitor is connected from the node between the diodes to <math>V_{EE}</math>.</p>   | Input pin of the window comparator for ATSC detection. |
| 48  | FE     |  <p>The circuit for the FE pin (pin 48) shows a differential input structure. It consists of two diodes connected to <math>V_{CC}</math> and <math>V_{EE}</math>. A resistor of 180 is connected between the two diodes. A 20K resistor is connected from the node between the diodes to <math>V_{EE}</math>. A 7μA current source is connected from <math>V_{CC}</math> to the node between the diodes.</p> | Input pin for focus error signals.                     |

**C.B. (AMP + DECK) (AMI-312F, AMI-312B, AMI-312V, AMI-310V, AMI-310U)**





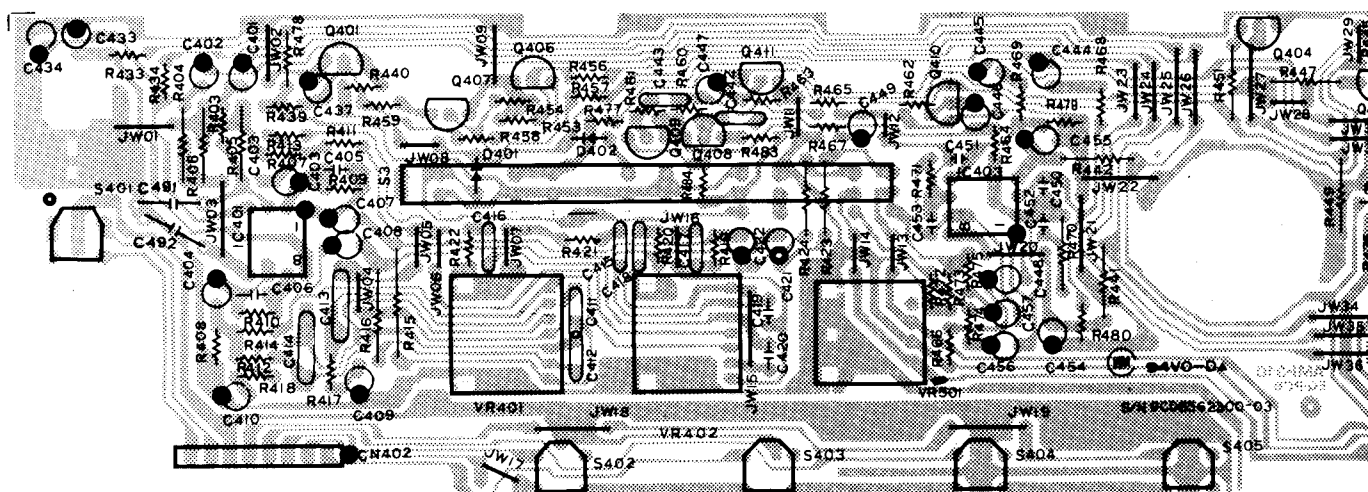




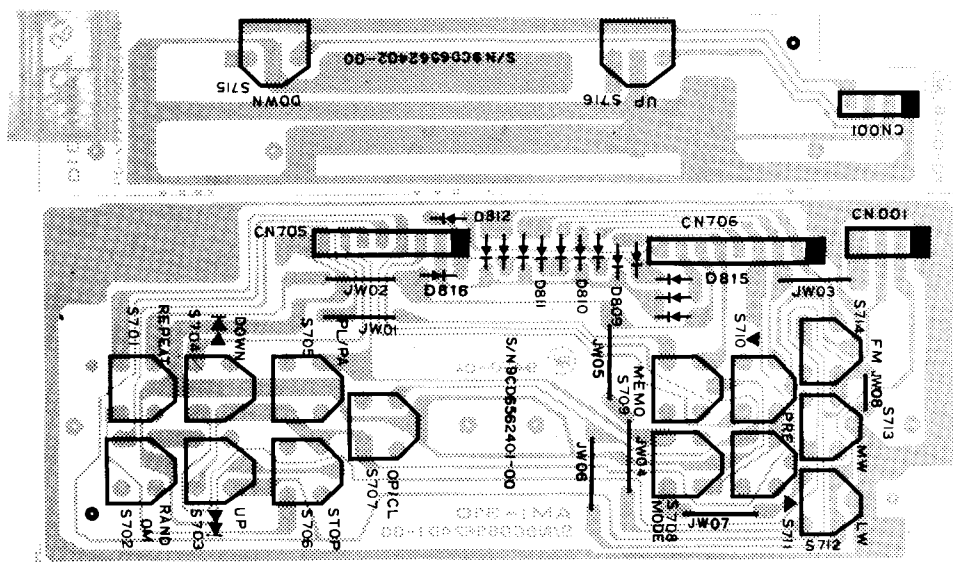




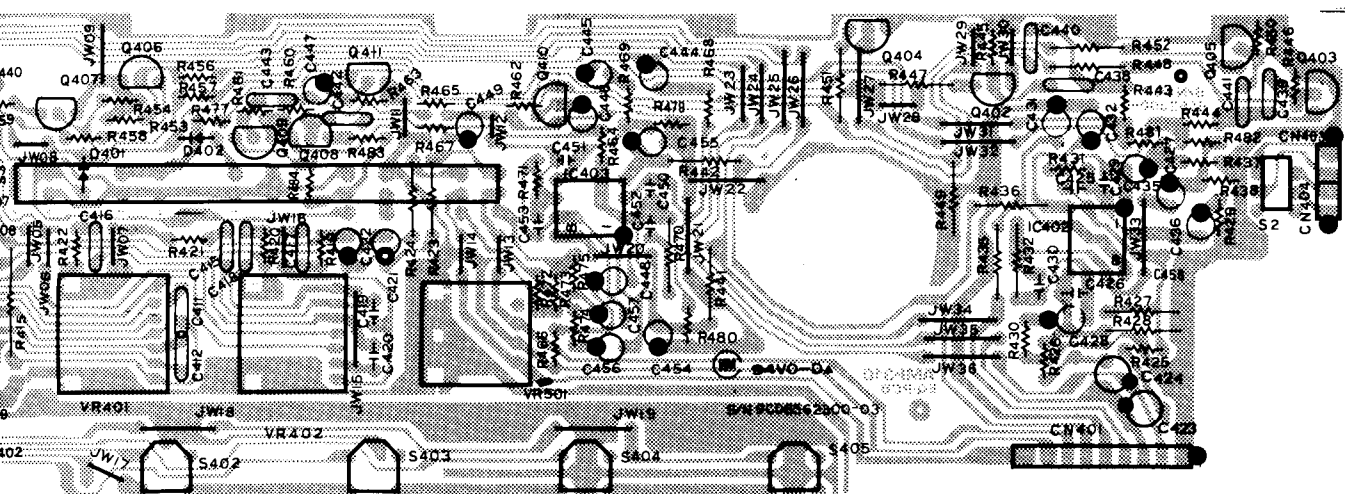
P.C.B. (AMI-312F, AMI-312B, AMI-312V, AMI-310V, AMI-310U)



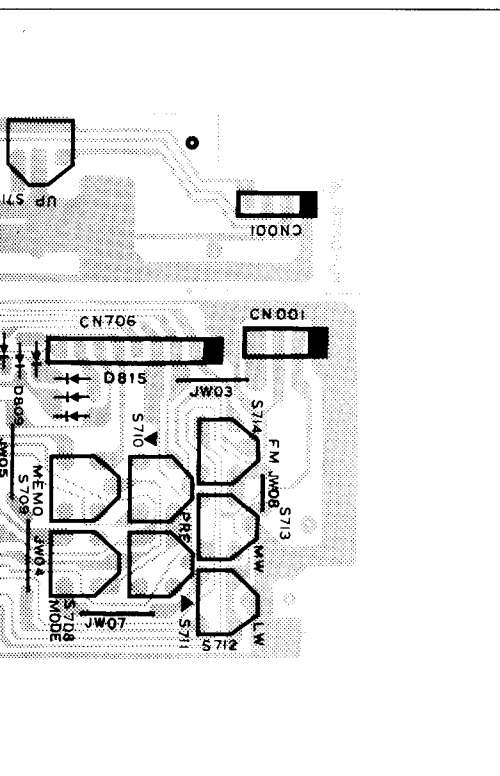
CONTROL P.C.B. (AMI-312F, AMI-312B, AMI-312V, AMI-310V, AMI-310U)



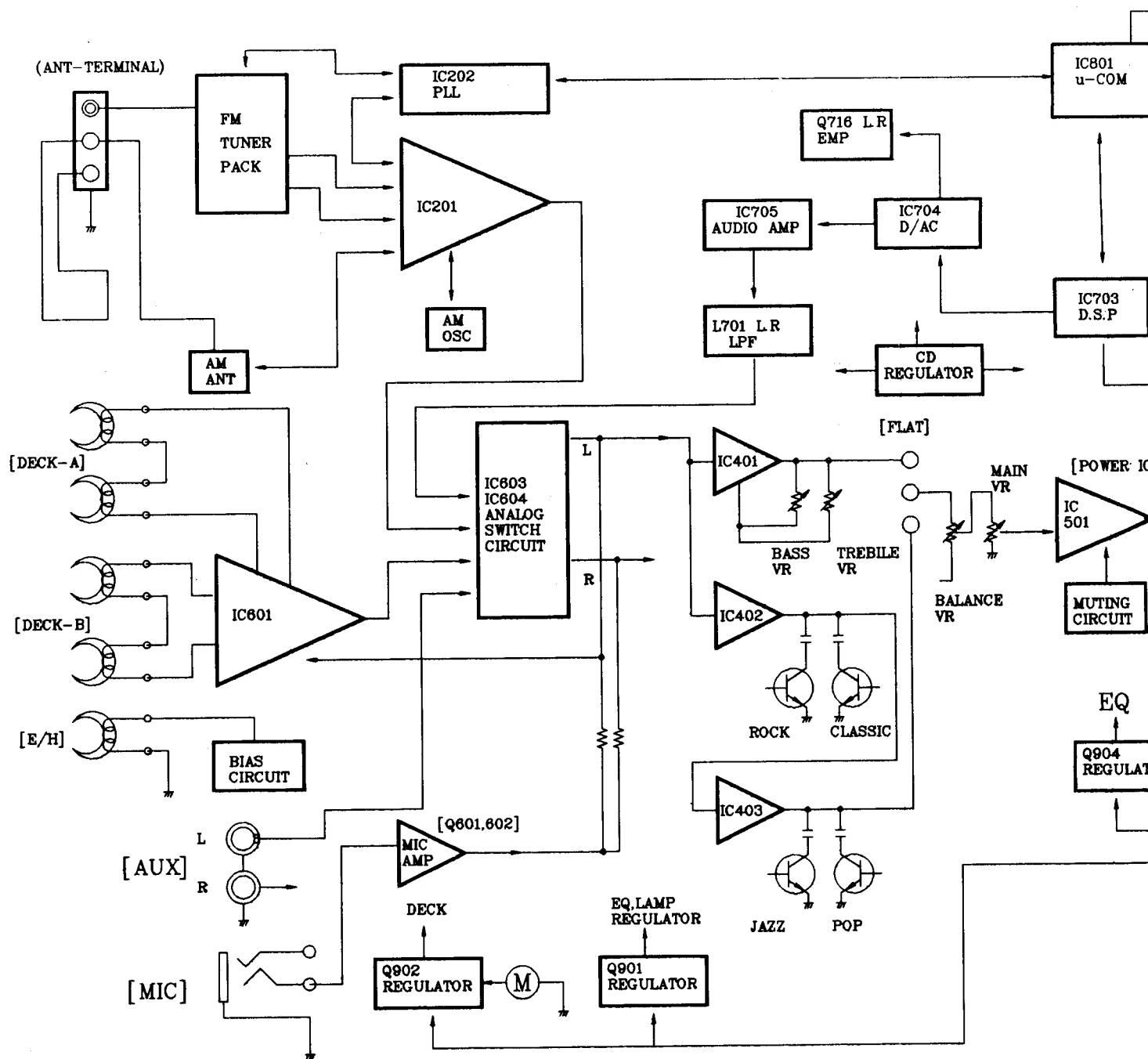
-310V, AMI-310U)

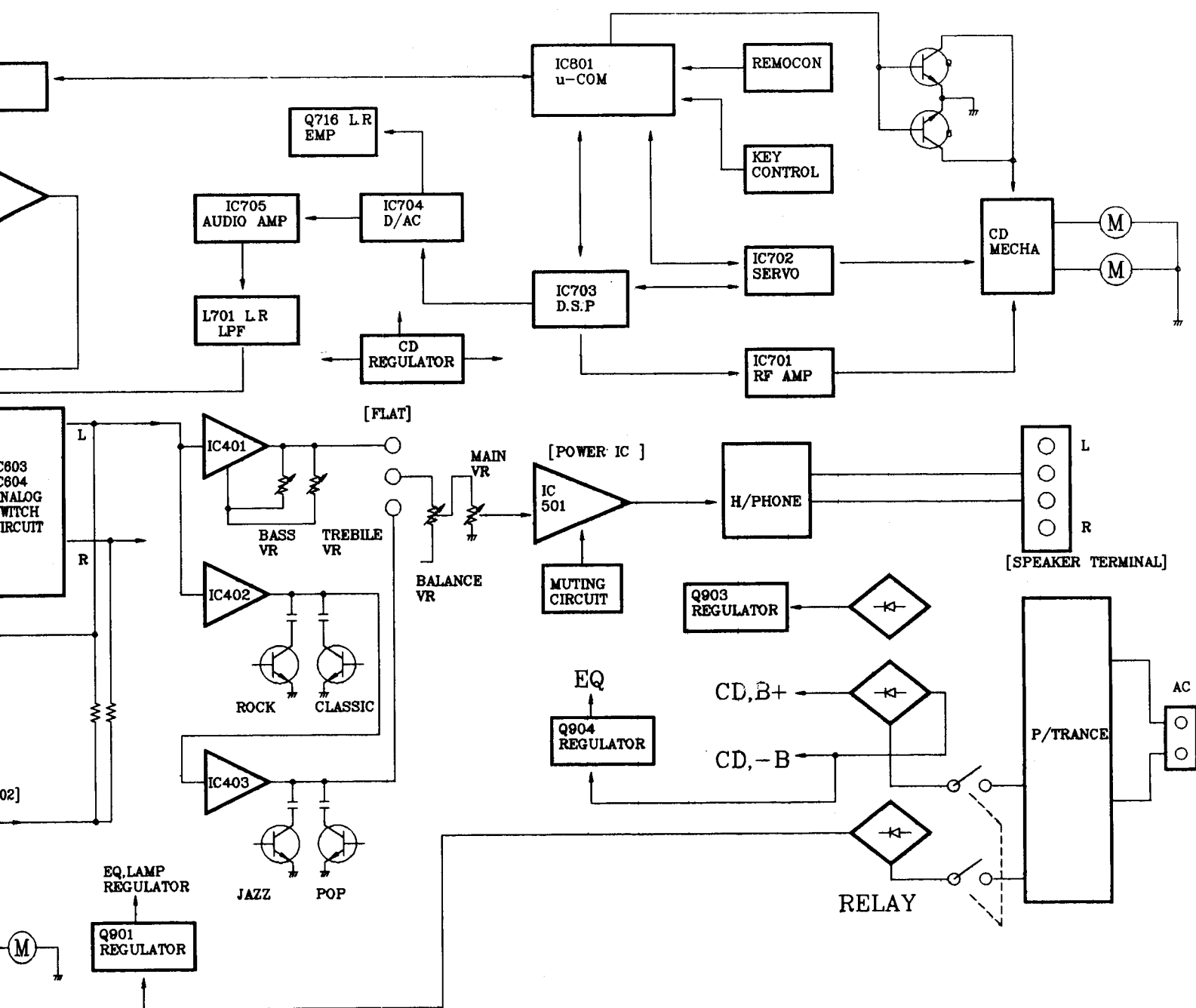


V, AMI-310V, AMI-310U)

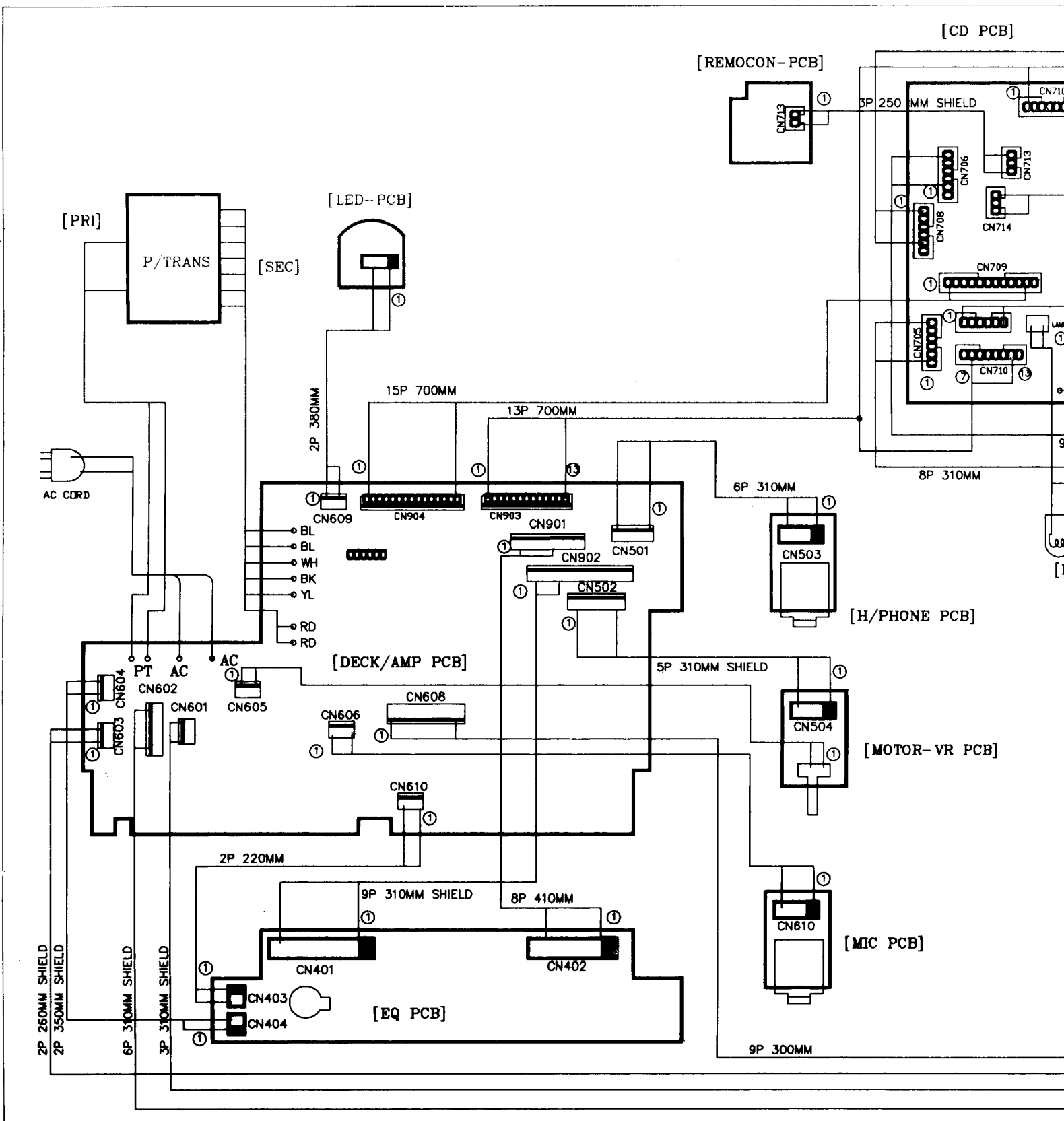


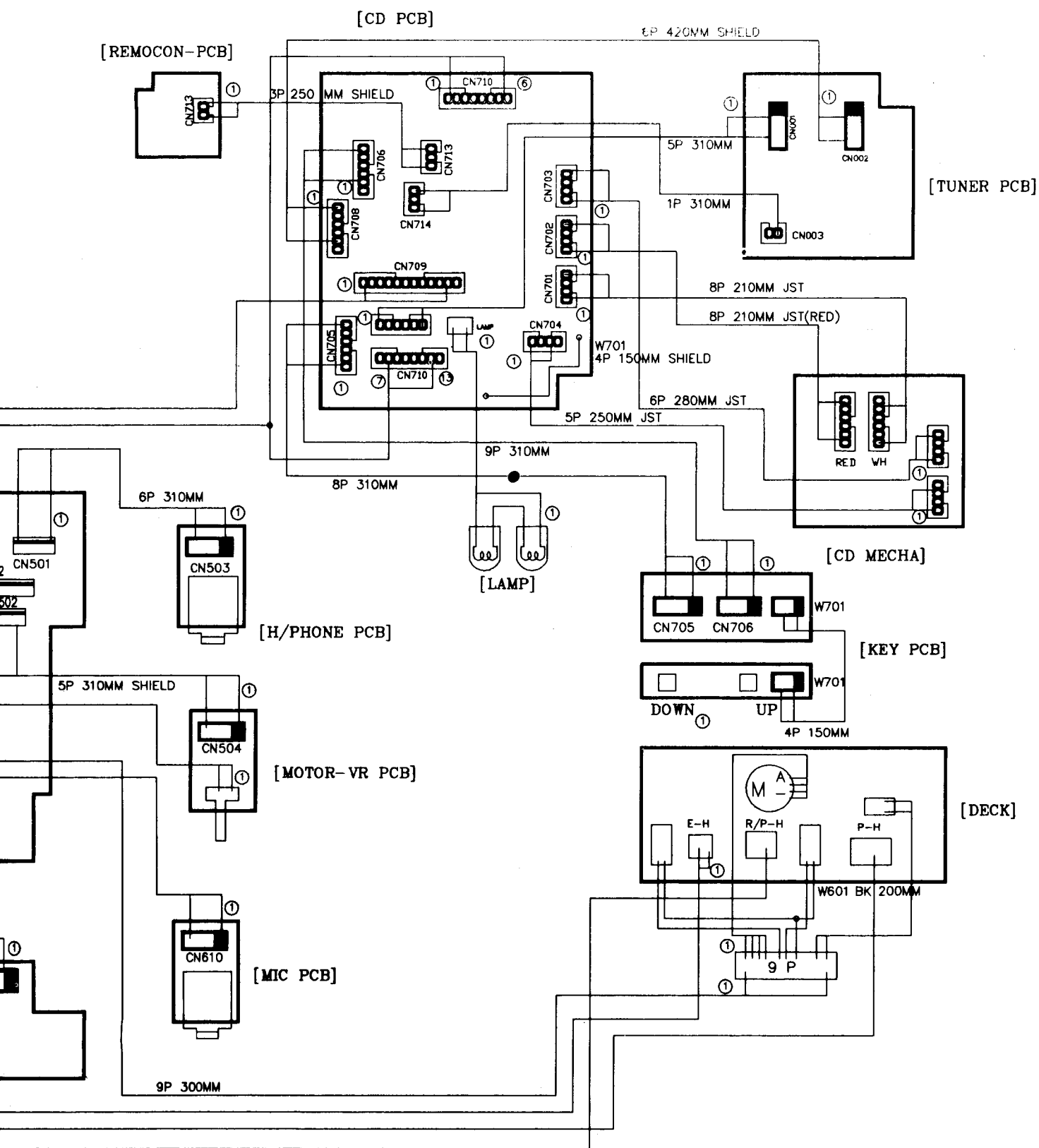
6. BLOCK DIAGRAM





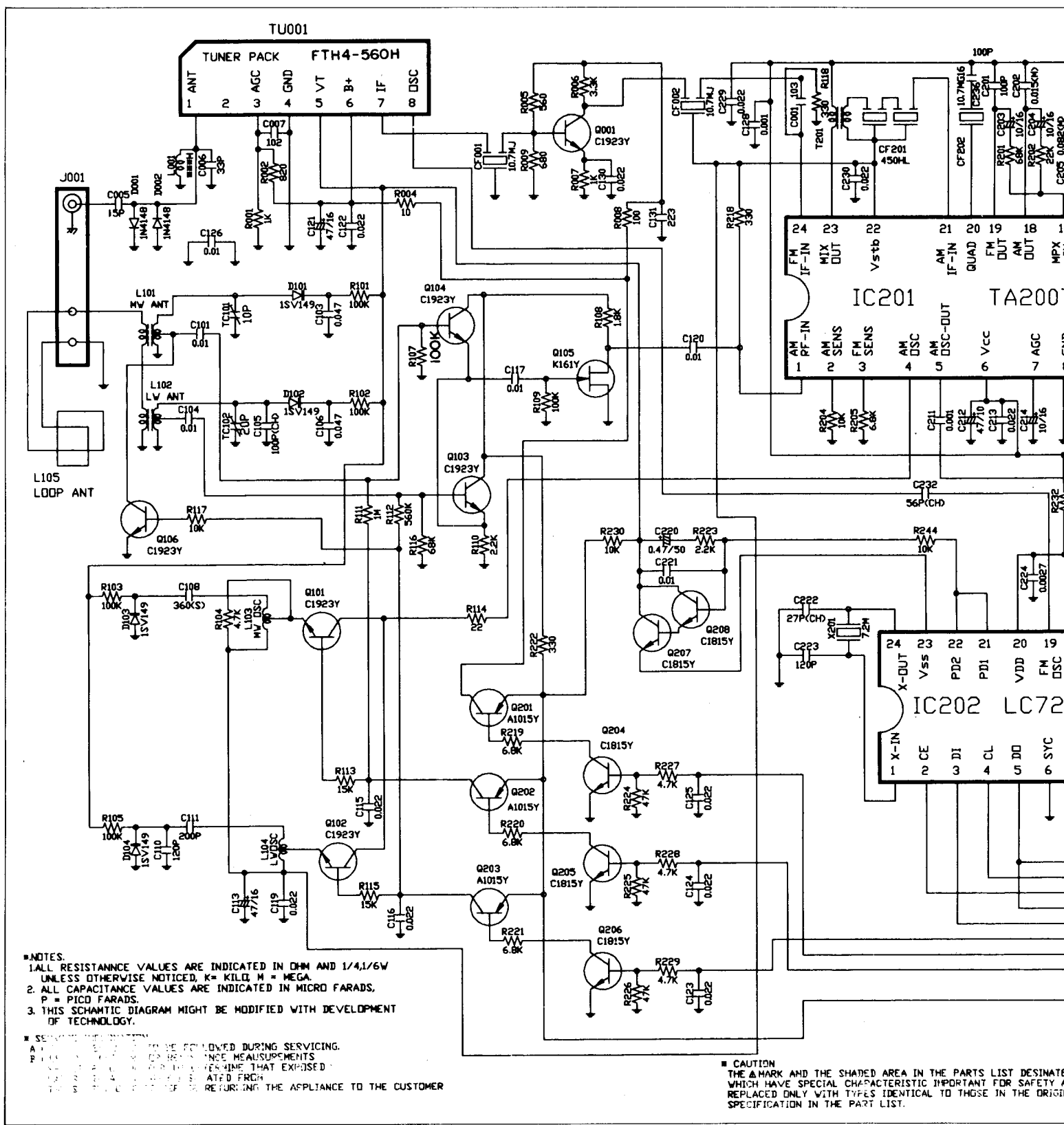
7. WIRING DIAGRAM

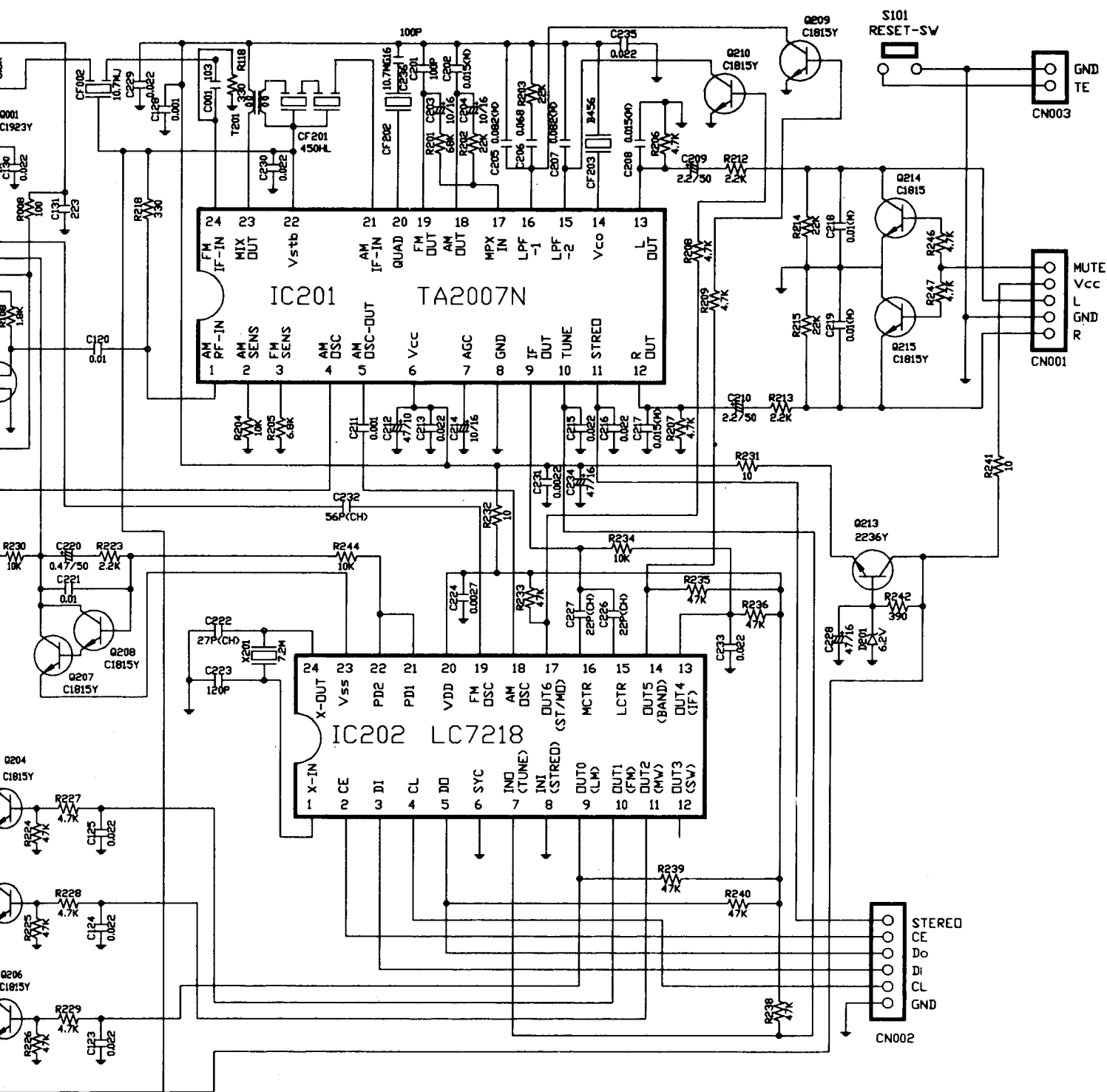




# 8. SCHEMATIC DIAGRAM

## 1. TUNER SCHEMATIC DIAGRAM (3 BAND: AMI-312F)

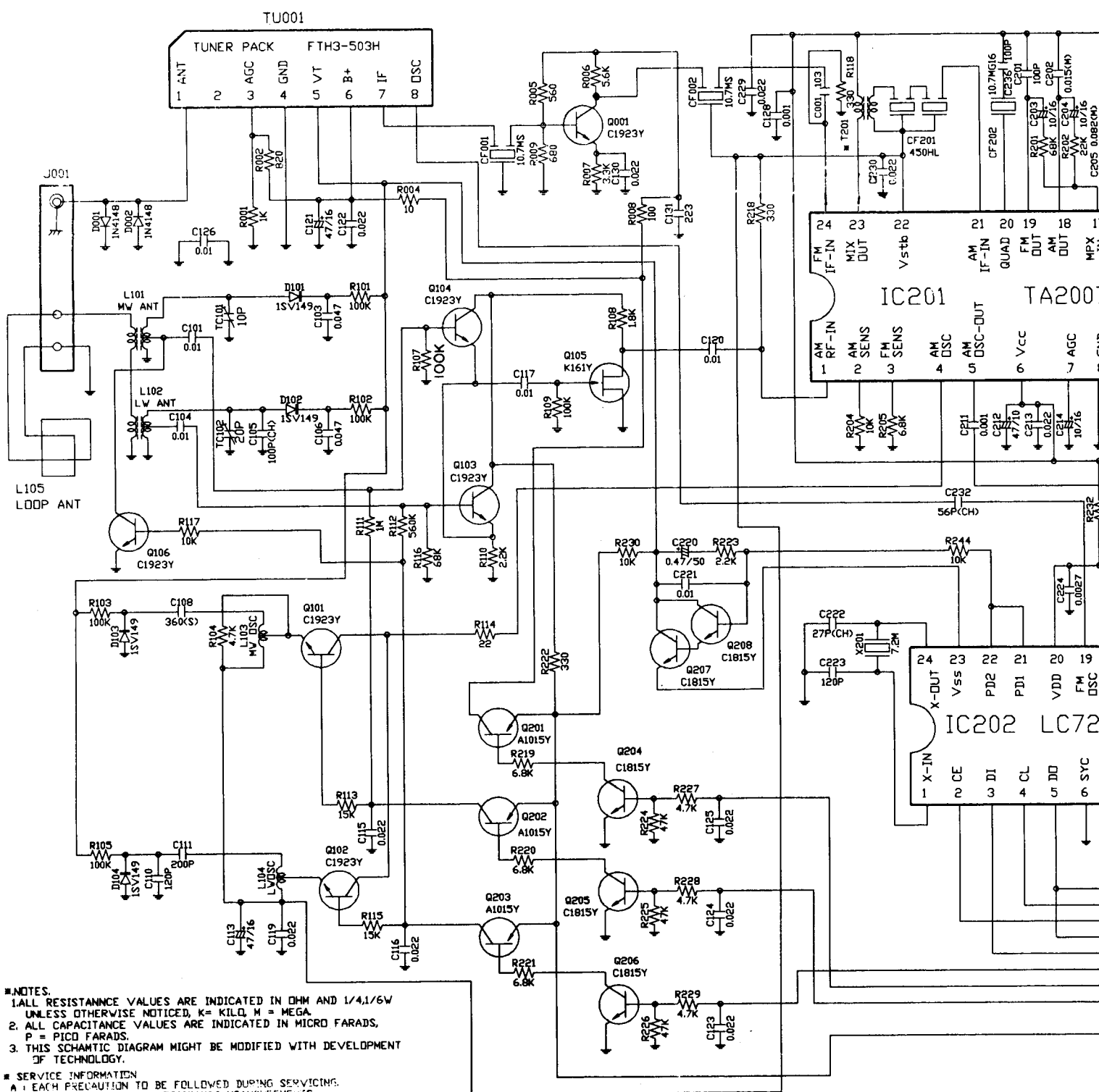




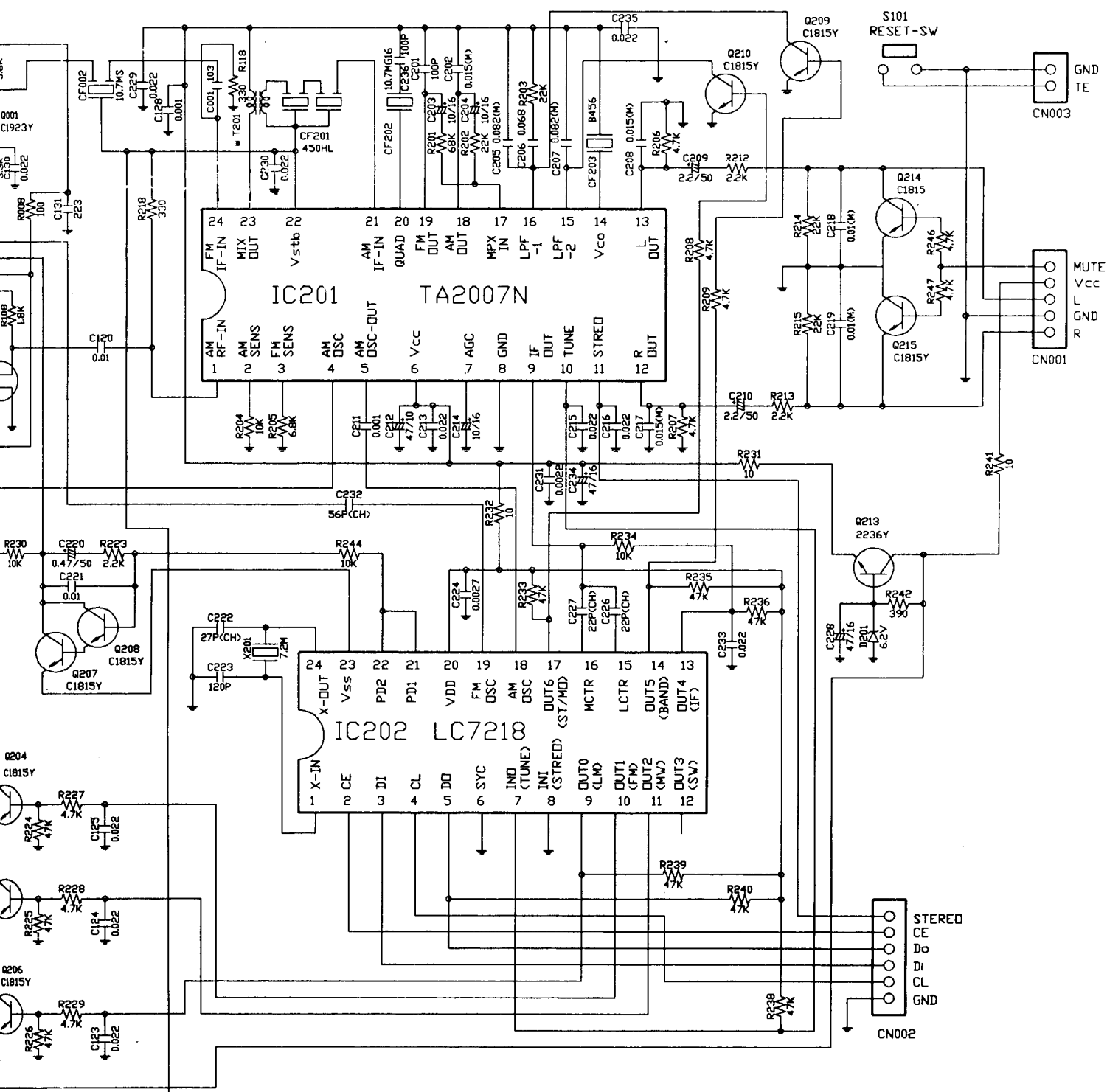
CAUTION  
THE ▲ MARK AND THE SHADED AREA IN THE PARTS LIST DESIGNATE COMPONENTS WHICH HAVE SPECIAL CHARACTERISTIC IMPORTANT FOR SAFETY AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL CIRCUIT OF SPECIFICATION IN THE PART LIST.



• **TUNER SCHEMATIC DIAGRAM** (3 BAND: AMI-312V, AMI-312B)

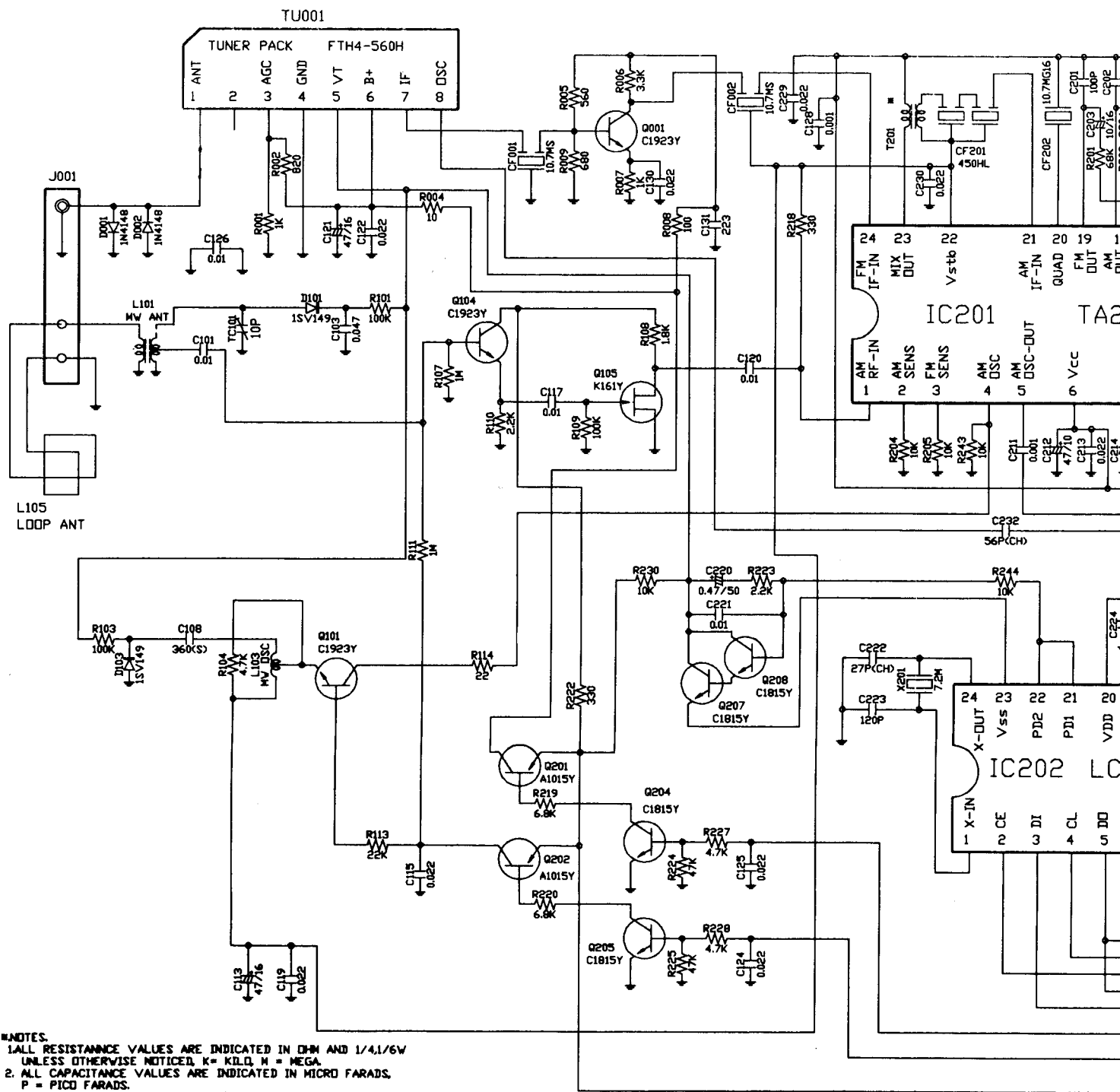


■ CAUTION  
THE Δ MARK AND THE SHADED AREA IN THE PARTS LIST DESIGNATE  
WHICH HAVE SPECIAL CHARACTERISTIC IMPORTANT FOR SAFETY AND  
REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL  
SPECIFICATION IN THE PART LIST.



CAUTION  
THE Δ MARK AND THE SHADED AREA IN THE PARTS LIST DESIGNATE COMPONENTS WHICH HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL CIRCUIT OF SPECIFICATION IN THE PART LIST.

• **TUNER SCHEMATIC DIAGRAM** (2 BAND: AMI-310U, AMI-310V)



## NOTES

1. ALL RESISTANCE VALUES ARE INDICATED IN OHM AND 1/4, 1/6W  
UNLESS OTHERWISE NOTICED. K = KILO, M = MEGA.

2. ALL CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS.

P = PICO FARADS.

3. THIS SCHMATIC DIAGRAM MIGHT BE MODIFIED WITH DEVELOPMENT OF TECHNOLOGY.

### • SERVICE INFORMATION

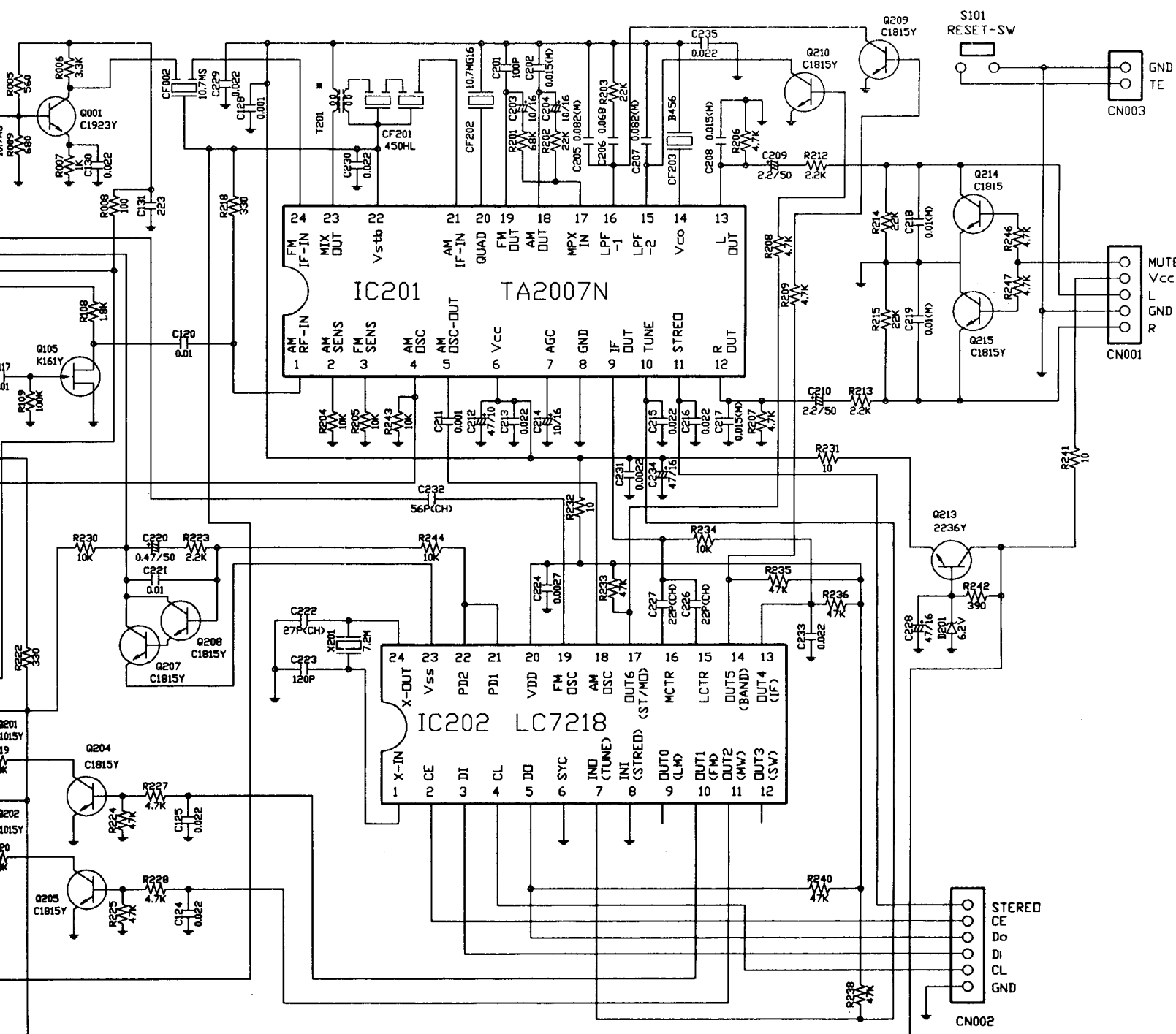
A : EACH PRECAUTION TO BE FOLLOWED DURING SERVICING.

B. LEAKAGE CURRENT OR RESISTANCE MEASUREMENTS SHOULD BE CONDUCTED TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM

THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER

■ **CAUTION**

THE  $\Delta$  MARK AND THE SHADED AREA IN THE PARTS LIST DESIGNATE C WHICH HAVE SPECIAL CHARACTERISTIC IMPORTANT FOR SAFETY AND REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL SPECIFICATION IN THE PART LIST.



■ CAUTION  
THE Δ MARK AND THE SHADED AREA IN THE PARTS LIST DESIGNATE COMPONENTS WHICH HAVE SPECIAL CHARACTERISTIC IMPORTANT FOR SAFETY AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL CIRCUIT OF SPECIFICATION IN THE PART LIST.

## 2. CD SCHEMATIC DIAGRAM (AMI-312F, AMI-312B, AMI-312V, AMI-310V, AMI-310U)

### NOTES

1. ALL RESISTANCE VALUES ARE INDICATED IN OHM AND 1/4, 1/6W UNLESS OTHERWISE NOTICED. K = KILO, M = MEGA.
2. ALL CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS. P = PICO FARADS.
3. THIS SCHEMATIC DIAGRAM MIGHT BE MODIFIED WITH DEVELOPMENT OF TECHNOLOGY.

### CAUTION

THE HARK AND THE SHARED AREA IN THE PARTS LIST DESIGNATE COMPONENTS WHICH HAVE SPECIAL CHARACTERISTIC IMPORTANT FOR SAFETY AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL CIRCUIT OF SPECIFICATION IN THE PART LIST.

### TEST POINT

|                    |              |              |
|--------------------|--------------|--------------|
| TP01 : RF          | TP11 : DP    | TP21 : WCLK  |
| TP02 : GND         | TP12 : CL    | TP22 : DATA  |
| TP03 : FE, TE      | TP13 : LD+   | TP23 : C210  |
| TP04 : TE (EF)     | TP14 : LD-   | TP24 : L OUT |
| TP05 : FE          | TP15 : ASY   | TP25 : R OUT |
| TP06 : TE          | TP16 : L DOK | TP26 : L OUT |
| TP07 : F MOTOR     | TP17 : FOK   | TP27 : R OUT |
| TP08 : S MOTOR     | TP18 : EFM   | TP28 : +12   |
| TP09 : L MOTOR (+) | TP19 : PLL   | TP29 : -12   |
| TP10 : L MOTOR (-) | TP20 : LRCK  | TP30 : CDB+  |

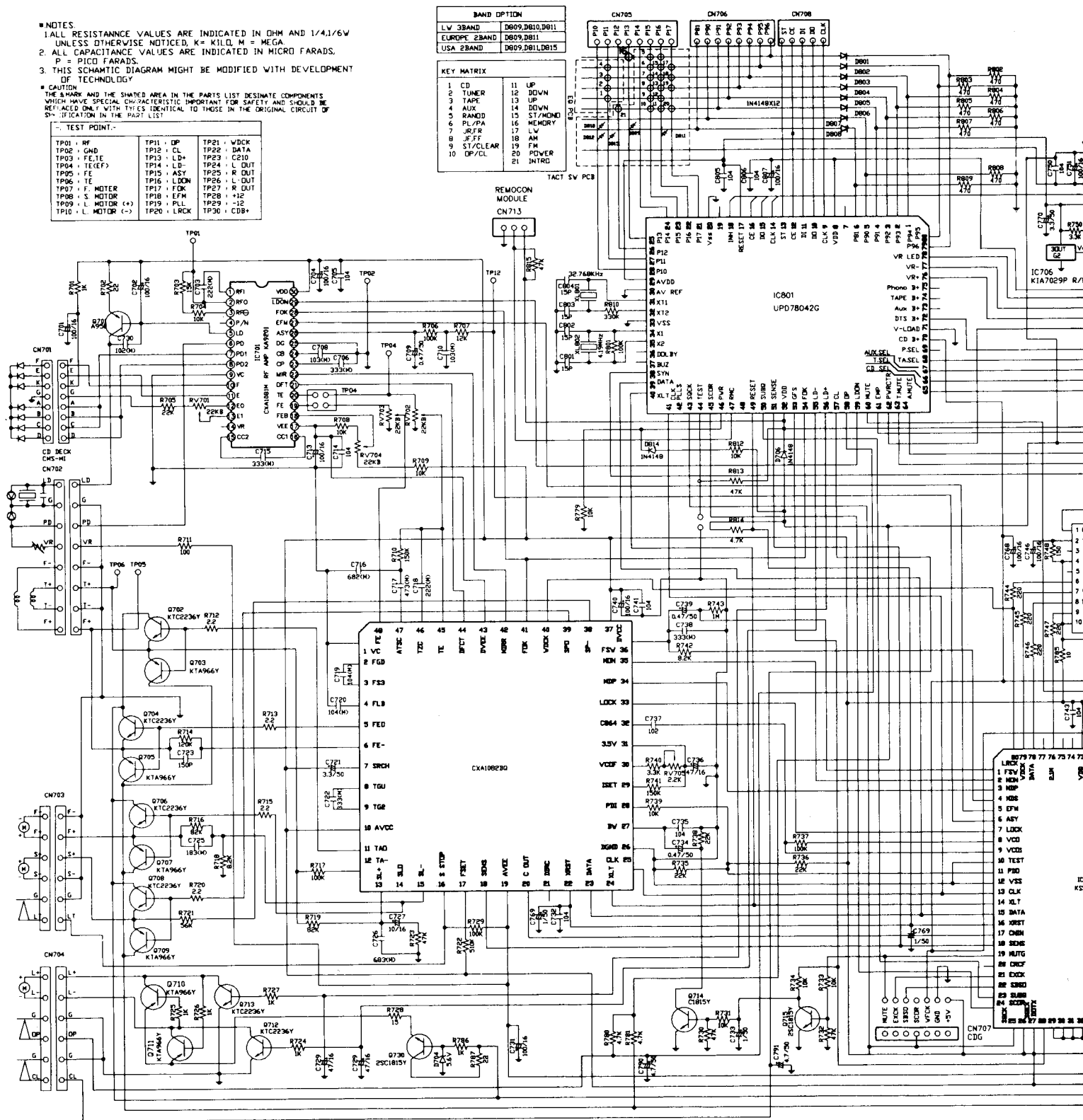
| BAND OPTION  |                  |
|--------------|------------------|
| LW 3BAND     | D609, DB10, DB11 |
| EUROPE 2BAND | D609, DB11       |
| USA 2BAND    | D609, DB10, DB15 |

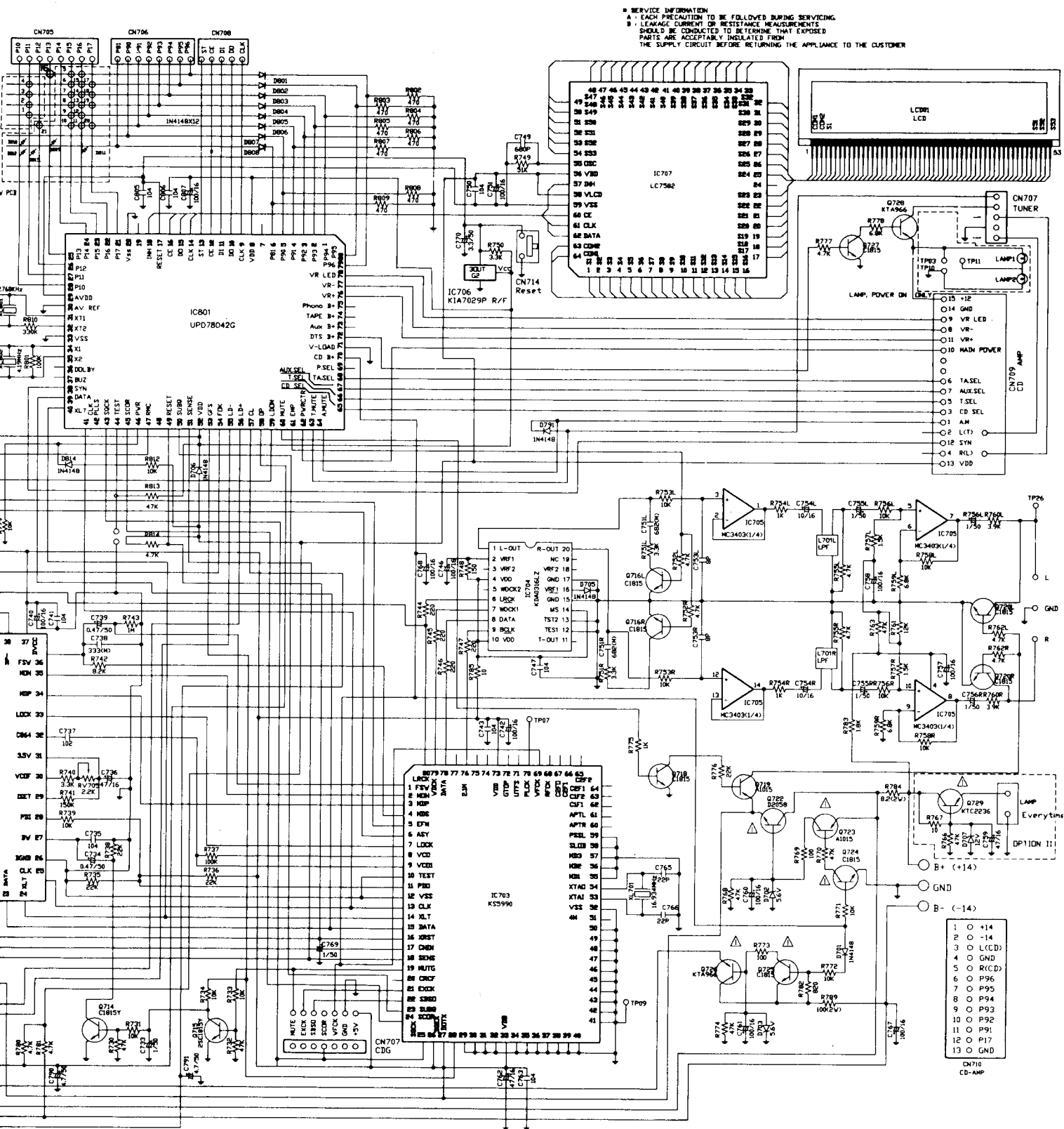
| KEY MATRIX |            |
|------------|------------|
| 1 CD       | 11 UP      |
| 2 TUNER    | 12 DOWN    |
| 3 TAPE     | 13 UP      |
| 4 AUX      | 14 DOWN    |
| 5 RAND     | 15 ST/MONO |
| 6 PL/PA    | 16 MEMORY  |
| 7 JR/FR    | 17 LW      |
| 8 JF/TF    | 18 AM      |
| 9 ST/CLEAR | 19 FM      |
| 10 DP/CL   | 20 POWER   |
|            | 21 INTRO   |

### REMOCON

### MODULE

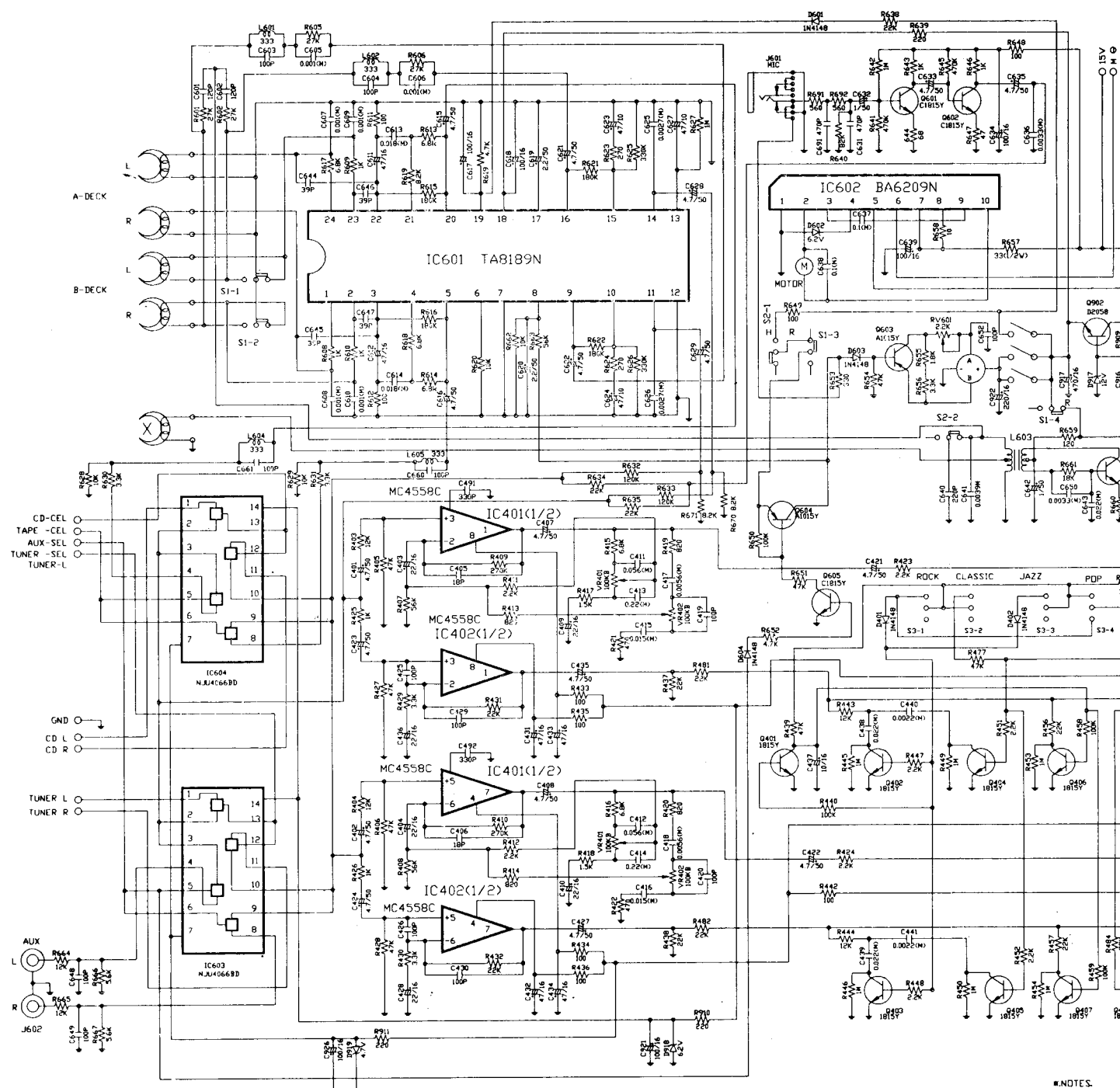
### CN713





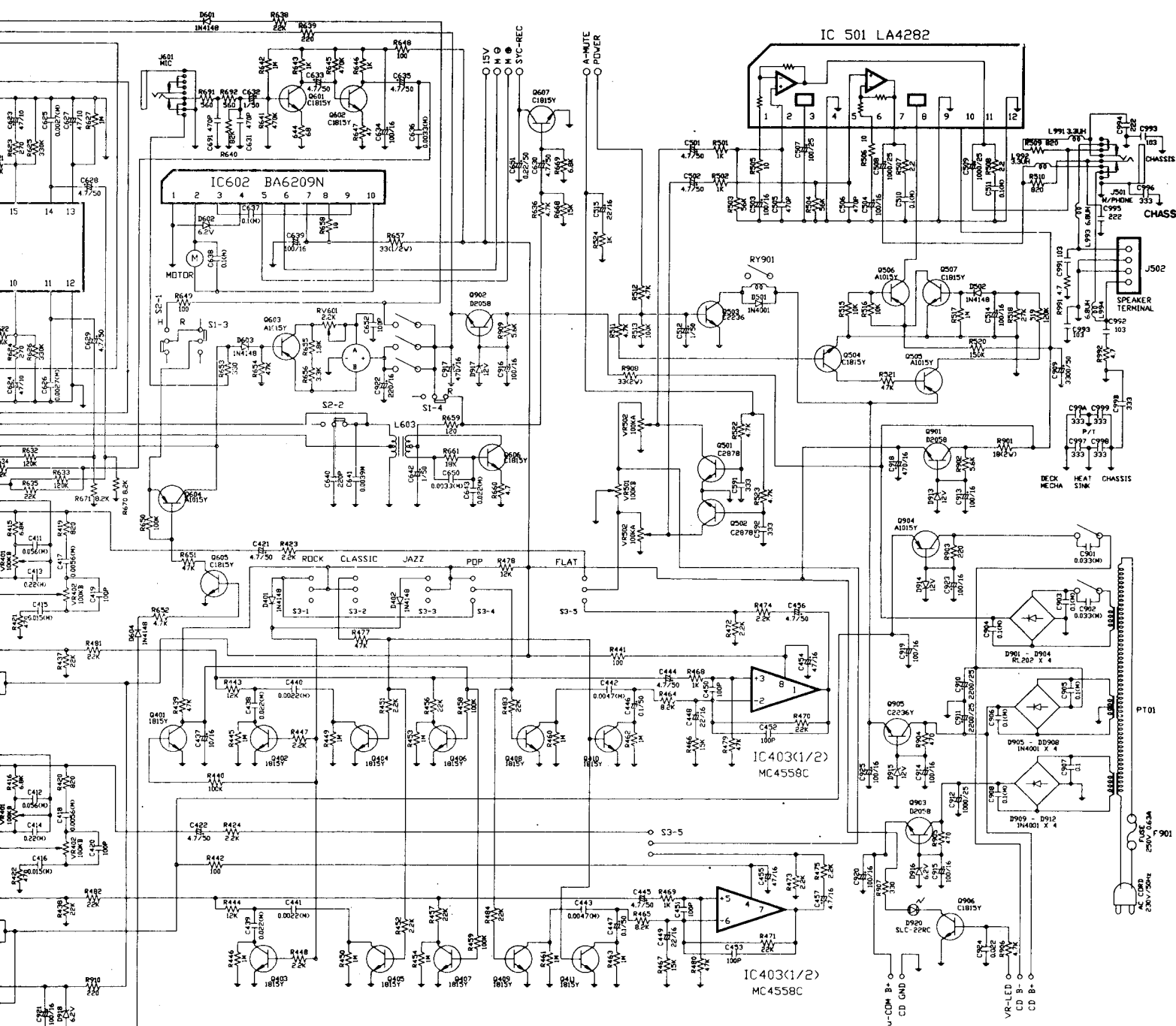
### 3. AMP + DECK SCHEMATIC DIAGRAM (AMI-312F)

\* SERVICE INFORMATION  
 A - EACH PRECAUTION TO BE FOLLOWED DURING SERVICING  
 B - LEAKAGE CURRENT OR RESISTANCE MEASUREMENTS  
 SHOULD BE CONDUCTED TO DETERMINE THAT EXPOSED  
 PARTS ARE ACCEPTABLY INSULATED FROM  
 THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER



\* CAUTION  
 THE \* MARK AND THE SHADED AREA IN THE PARTS LIST DESIGNATE COMPONENTS  
 WHICH HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY AND SHOULD BE  
 REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL CIRCUIT OR  
 SPECIFICATION IN THE PART LIST

\* NOTES.  
 1. ALL RESISTORS  
 UNLESS OTHERWISE  
 2. ALL CAPACITORS  
 P = PICO  
 3. THIS SCHEMATIC  
 OF TECHNICAL

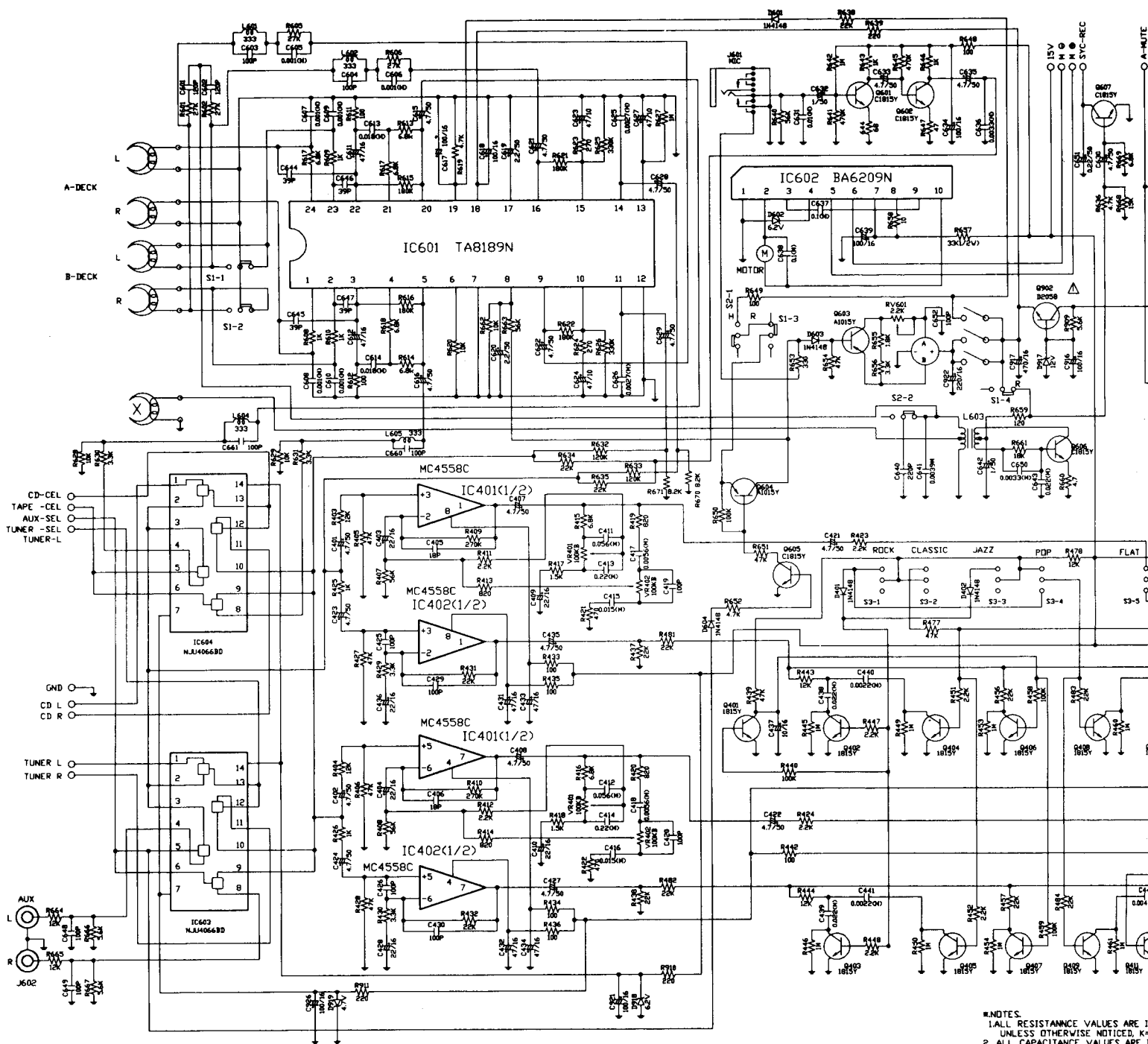


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2. ALL CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS,  
P = PICO FARADS.  
3. THIS SCHEMATIC DIAGRAM MIGHT BE MODIFIED WITH DEVELOPMENT  
OF TECHNOLOGY.



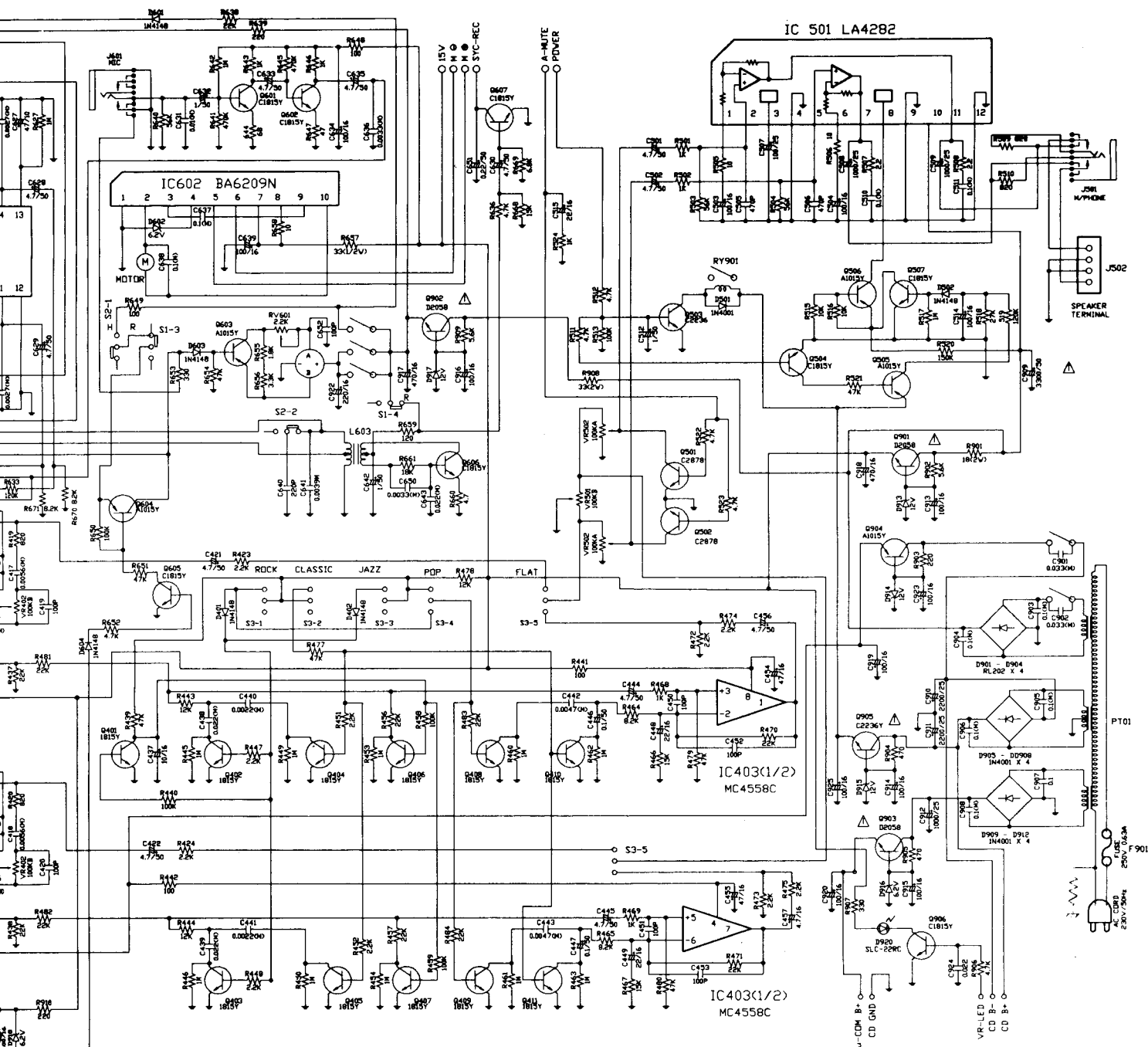
# • AMP + DECK SCHEMATIC DIAGRAM (AMI-312V, AMI-312B, AMI-310V, AMI-310U)



CAUTION  
THE MARK AND THE SHADED AREA IN THE PARTS LIST DESTINATE COMPONENTS WHICH HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL CIRCUIT OF SPECIFICATION IN THE PART LIST.

SERVICE INFORMATION  
1. EACH PRECAUTION TO BE FOLLOWED DURING SERVICING.  
2. LEAKAGE CURRENT OR RESISTANCE MEASUREMENTS SHOULD BE CONDUCTED TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY ISOLATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

NOTES  
1. ALL RESISTANCE VALUES ARE IN OHMS UNLESS OTHERWISE NOTICED, K = KILOHMS, M = MEGOHMS.  
2. ALL CAPACITANCE VALUES ARE IN PICO FARADS.  
3. THIS SCHEMATIC DIAGRAM MIGHT BE DIFFERENT FROM THE ACTUAL PRODUCT OF TECHNOLOGY.



# NOTES

1. ALL RESISTANCE VALUES ARE INDICATED IN OHM AND 1/4, 1/6V UNLESS OTHERWISE NOTICED, K= KILO, M = MEGA.
2. ALL CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS, P = PICO FARADS.
3. THIS SCHEMATIC DIAGRAM MIGHT BE MODIFIED WITH DEVELOPMENT OF TECHNOLOGY.

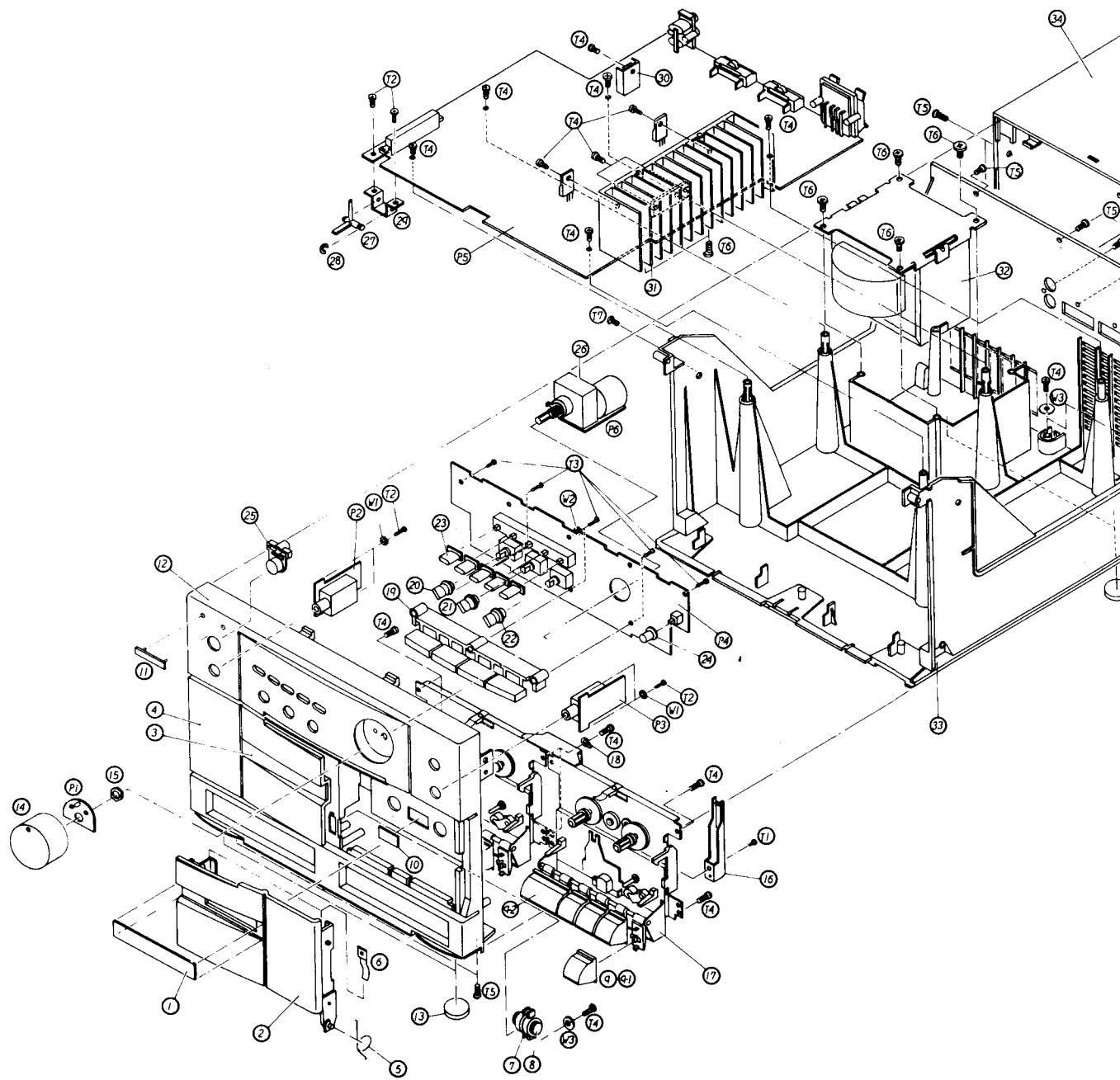
## PARTS LIST FOR EACH VERSION

| VERSION  | POWER SOURCE | FUSE       |
|----------|--------------|------------|
| AMI-312V | 230V/50Hz    | 250V 0.63A |
| AMI-312B | 230V/50Hz    | 250V 0.63A |
| AMI-310V | 120V/60Hz    | 250V 1A    |
| AMI-310U | 120V/60Hz    | 250V 1A    |

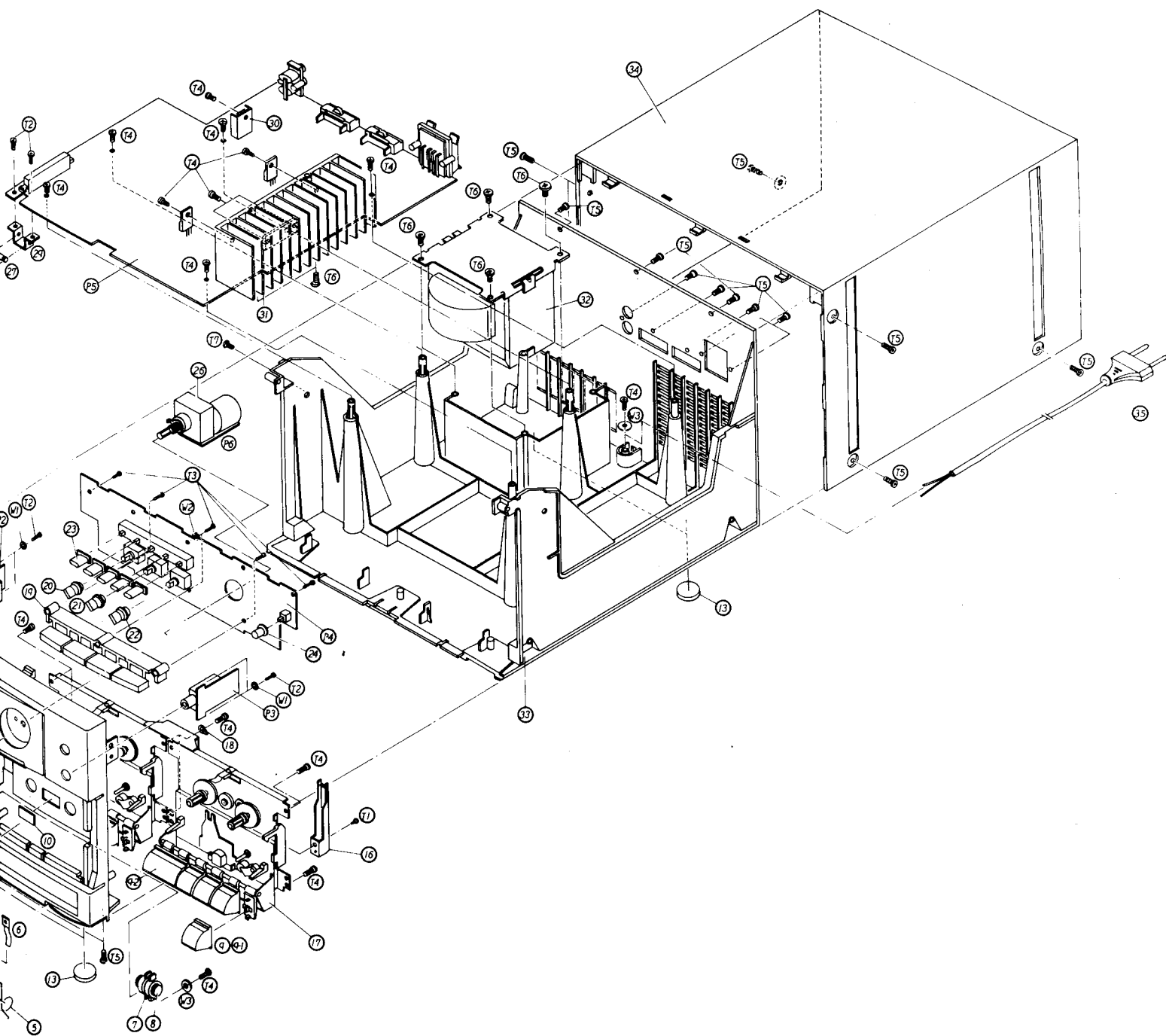
CAUTION: TO BE FOLLOWED DURING SERVICING  
 1. THE CURRENT ON RESISTANCE MEASUREMENTS  
 2. BE CONDUCTED TO DETERMINE THAT EXPOSED  
 3. ARE ACCEPTABLY INSULATED FROM  
 4. THE CIRCUT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER

# 9. EXPLODED VIEW AND PART LIST

## 1. DECK SECTION AND PART LIST



# LIST

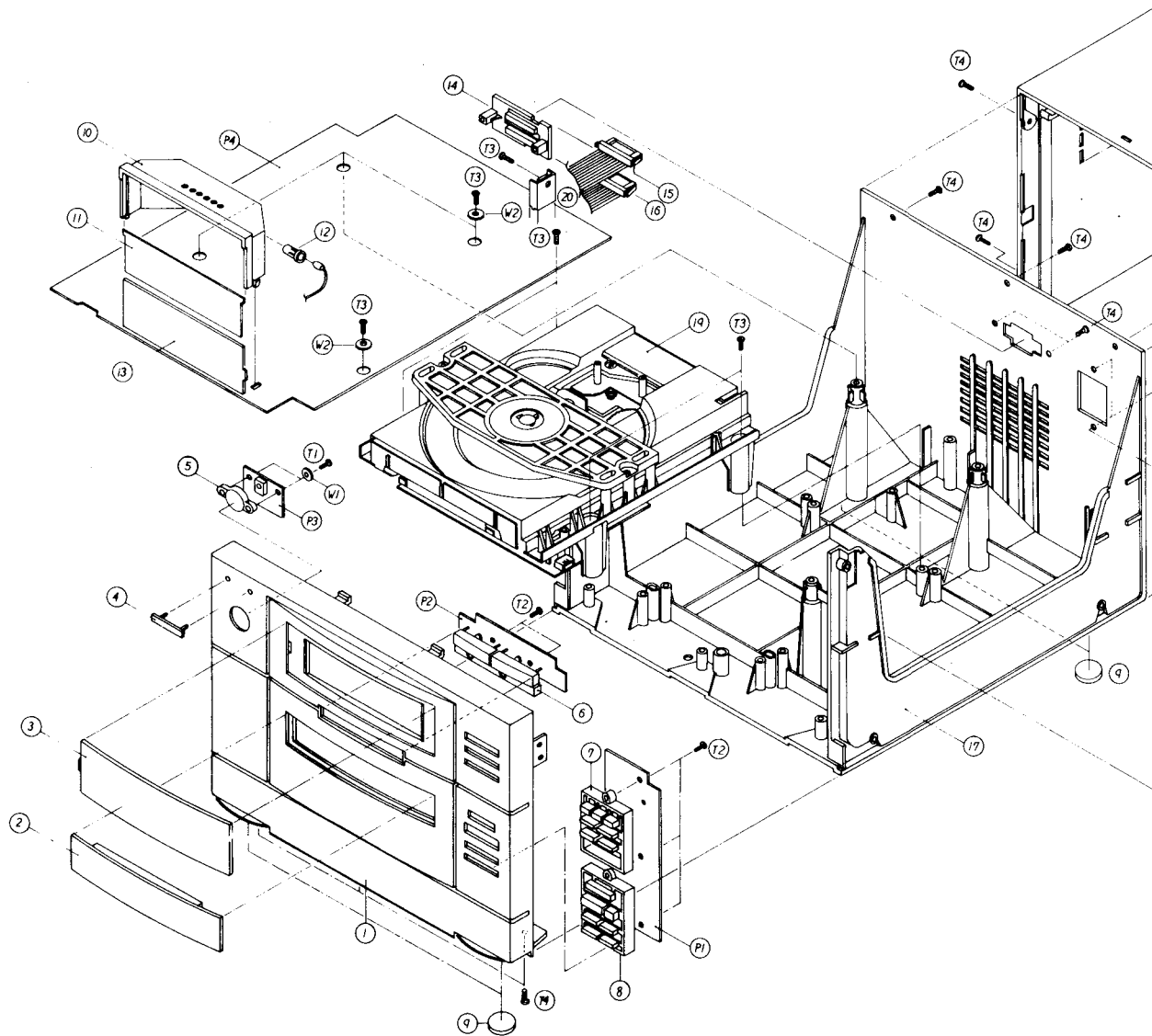


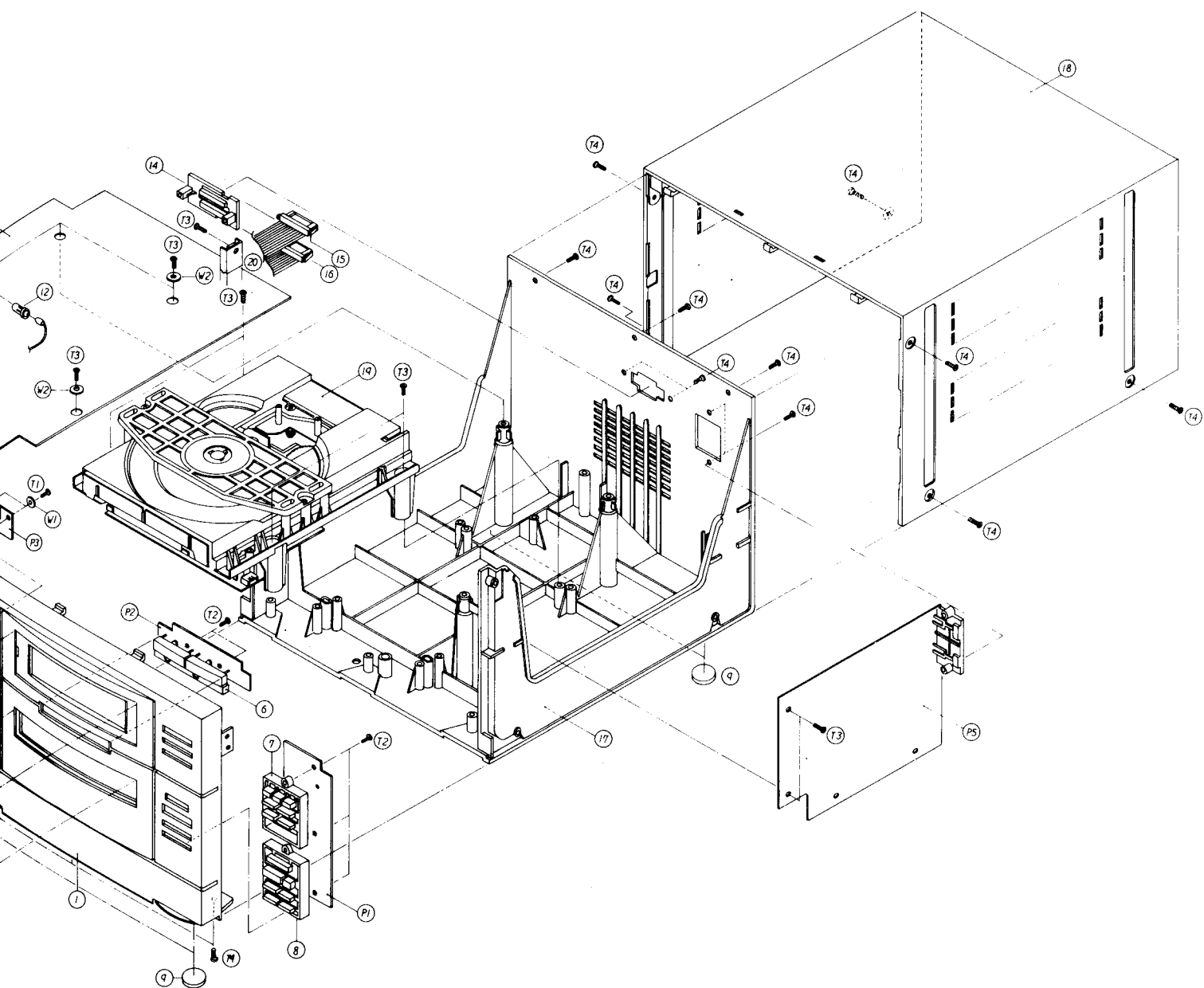
## AMI-310 EXPLODED VIEW PARTS LIST (DECK)

| NO  | CODE NO                  | PART NAME                                  | DESCRIPTION           | Q'TY   | REMARKS                   |
|-----|--------------------------|--------------------------------------------|-----------------------|--------|---------------------------|
| 1   | 9CD1606000               | WINDOW DOOR R                              | PVC T = 1.5           | 1      |                           |
| 2   | 9CD1793800               | DOOR CASS R                                | HIPS                  | 1      |                           |
| 3   | 9CD1605900               | WINDOW DOOR L                              | PVC T = 1.5           | 1      |                           |
| 4   | 9CD1803700               | DOOR CASS L                                | HIPS                  | 1      |                           |
| 5   | 9CD3004500               | SPRING DOOR EJECT                          | STS D = 0.9           | 2      |                           |
| 6   | 9713008900               | SPRING C HOLDER                            | STS T × 0.3           | 4      |                           |
| 7   | 9CD2602200               | DAMPER BASE                                | ABS                   | 2      |                           |
| 8   | 9CD2602100               | DAMER GEAR                                 | ACETAL                | 2      |                           |
| 9   | 9CE1315100               | KNOB DECK                                  | ABS                   | 11     | AUTO STOP                 |
| 9-1 | 9CD13151P0               | KNOB DECK P                                | ABS                   | 1      |                           |
| 9-2 | 9CD1315200               | KNOB DECK PLAY                             | ABS                   | 1      |                           |
| 10  | 97A2200100               | MIRROR                                     | AL T = 0.3            | 2      |                           |
| 11  | 9CE1500200               | BADGE DAEWOO                               | ABS                   | 2      | OPTION                    |
| 12  | 9CD0301700               | PANEL FRONT DECK                           | HIPS                  | 1      |                           |
| 13  | 9CD4206100               | FOOT                                       | URETHAN RUBBER        | 4      |                           |
| 14  | 9CD1314600               | KNOB VOL                                   | ABS                   | 1      |                           |
| 15  | —                        | NUT                                        | —                     | 1      |                           |
| 16  | 9CD2407000               | BRKT REC                                   | Bs P                  | 1      |                           |
| 17  | 9CD6002600<br>9CD6002700 | CASS DECK MECHANISM<br>CASS DECK MECHANISM | GM-21/SW<br>GM-521ZSW | 1      | AUTO STOP<br>AUTO REVERSE |
| 18  | 4710302000               | LUG EGG                                    | Bs P                  | 1      |                           |
| 19  | 9CD1314500               | KNOB FUNCTION                              | ABS                   | 1      |                           |
| 20  | 9CE13149A0               | KNOB ROIARY A                              | ABS                   | 1      |                           |
| 21  | 9CD13149B0               | KNOB ROIARY B                              | ABS                   | 1      |                           |
| 22  | 9CD13149C0               | KNOB ROIARY C                              | ABS                   | 1      |                           |
| 23  | 9CD1314800               | KNOB EQ                                    | ABS                   | 1      |                           |
| 24  | 9CE1315000               | KNOB SELECTOR                              | ABS                   | 1      |                           |
| 25  | 9CD1314700               | KNOB POWER                                 | ABS                   | 1      |                           |
| 26  | 5V6104708A               | MOTOR VR                                   | —                     | 1      |                           |
| 27  | 9CD2602000               | LEVER REC                                  | ACETAL                | 1      |                           |
| 28  | 9CD2504100               | GUIDE REC                                  | ACETAL                | 1      |                           |
| 29  | 9CE2407100               | BRAKT LEVER                                | SECC                  | 1      |                           |
| 30  | 9CD4400900               | HEAT SINK TR                               | Bs S                  | 1      |                           |
| 31  | 9CD4401500               | HEAT SINK                                  | AL                    | 1      |                           |
| 32  | 5TPF066659               | POWER TRANS                                | E1 = 66MM             | 1      |                           |
| 33  | 9CD0121400<br>9CD0121401 | CABINET BACK DECK<br>CABINET BACK DECK     | ABS<br>ABS            | 1<br>1 | WITHOUT VOL               |

| NO | CODE NO    | PART NAME      | DESCRIPTION        | Q'TY | REMARKS |
|----|------------|----------------|--------------------|------|---------|
| 34 | 9CD0405300 | COVER TOP      | ABS                | 1    |         |
| 35 | 9736905100 | AC CORD        | LTRS-2F            | 1    | OPTION  |
| P1 | 9CD6562005 | PCB VR         | PHENOLIC LAMINATES | 1    |         |
| P2 | 9CD6562003 | PCB MIC        | PHENOLIC LAMINATES | 1    |         |
| P3 | 9CD6562004 | PCB HEADPHONE  | PHEONLIC LAMINATES | 1    |         |
| P4 | 9CD6562300 | PCB EQ         | PHENOLIC LAMINATES | 1    |         |
| P5 | 9CD6562001 | PCB AMP        | PHEONLIC LAMINATES | 1    |         |
| P6 | 9CD6562002 | PCB MOTOR      | PHENOLIC LAMINATES | 1    |         |
| T1 | 7273200411 | SCREW TAPPTITE | TT3 BIN 2×4        | 1    |         |
| T2 | 7173260811 | SCREW TAPPTITE | TT2 BIN 2.6×8      | 6    |         |
| T3 | 7173261011 | SCREW TAPPTITE | TT2 BIN 2.6×10     | 5    |         |
| T4 | 7173301011 | SCREW TAPPTITE | TT2 BIN 2.6×10     | 5    |         |
| T5 | 7173301012 | SCREW TAPPTITE | TT2 BIN 3×10 B.K   | 17   |         |
| T6 | 7173401011 | SCREW TAPPTITE | TT2 BIN 4×10       | 6    |         |
| T7 | 7175301011 | SCREW TAPPTITE | TT2 PLT 3×10       | 1    |         |
| W1 | 7400102611 | WASHER PLAIN   | PW-1 2.6           | 4    |         |
| W2 | 7400102830 | WASHER PLAIN   | PW-1 2.8 FIBER     | 1    |         |
| W3 | 7400103011 | WASHER PLAIN   | PW-1-5             | 2    |         |

2. CD SECTION AND PART LIST



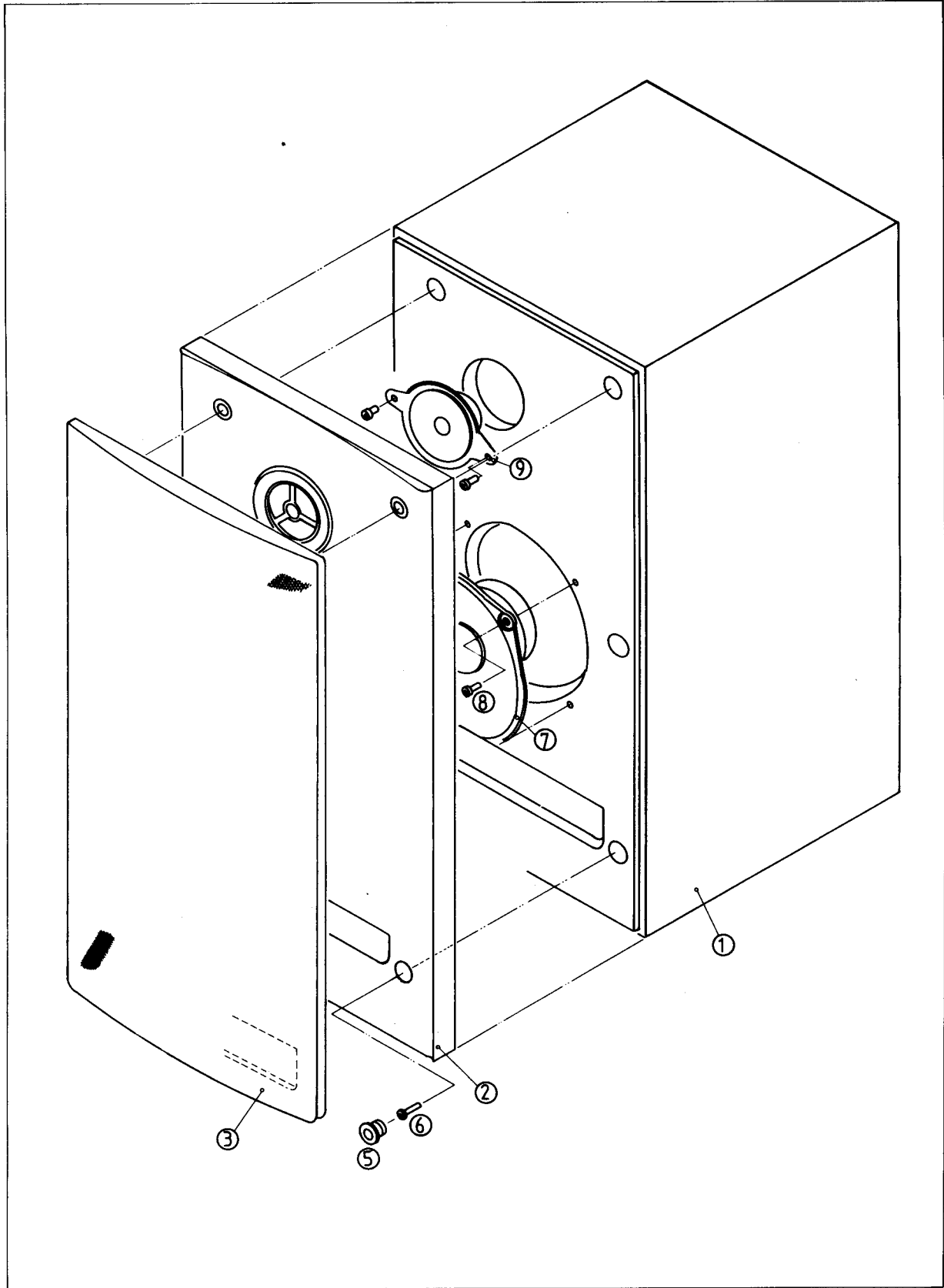




## AMI-310 EXPLODED VIEW PARTS LIST (CD)

| NO | CODE NO                                | PART NAME         | DESCRIPTION        | Q'TY | REMARKS |
|----|----------------------------------------|-------------------|--------------------|------|---------|
| 1  | 9CD0301700                             | PANEL FRONT CD    | HIPS               | 1    |         |
| 2  | 9CD1803900                             | DOOR CD           | HIPS               | 1    |         |
| 3  | 9CD1605700                             | WINDOW LCD        | ACRYL              | 1    |         |
| 4  | 9CD1500200                             | BADGE DAEWOO      | ABS                | 1    | OPTION  |
| 5  | 9CD1605800                             | WINDOW SENSOR     | ACRYL              | 1    |         |
| 6  | 9CD1315500                             | KNOB TUNER U/D    | ABS                | 1    |         |
| 7  | 9CD1315400                             | KNOB TUNER        | ABS                | 1    |         |
| 8  | 9CD1315300                             | KNOB CD           | ABS                | 1    |         |
| 9  | 9CD4206100                             | FOOT              | URETHAN RUBBER     | 4    |         |
| 10 | 9CD2300600                             | HOLDER LCD        | ABS                | 1    | WHITE   |
| 11 | 9CD0904100                             | PLATE LCD         | PVC                | 1    |         |
| 12 | 9CD400300                              | BUSH LAMP         | SILICON RUBBER     | 2    |         |
| 13 | DLE0696AP-                             | LCD               | LE-0696AP          | 1    |         |
| 14 | 9CD2300700                             | HOLDER WIRE       | ABS                | 1    |         |
| 15 | 9738815300                             | CONN AS           | 15P                | 1    |         |
| 16 | 9738815200                             | CONN AS           | 13P                | 1    |         |
| 17 | 9CD0121500<br>9CD0121501<br>9CD0121502 | CABINET BACK CD   | HIPS               | 1    | OPTION  |
| 18 | 9CD0405300                             | COVER TOP         | HIPS               | 1    |         |
| 19 | 9CD6002500                             | CD DECK MECHANISM | KSL-2101ABM        | 1    |         |
| 20 | 9CD4400900                             | HEAT SINK TR      | Bs S               | 1    |         |
| P1 | 9CD6562401                             | PCB TACT          | PHENOLIC LAMINATES | 1    |         |
| P2 | 9CD6562402                             | PCB TUNING        | PHENOLIC LAMINATES | 1    |         |
| P3 | 9CD6562102                             | PCB SENSOR        | PHENOLIC LAMINATES | 1    |         |
| P4 | 9CD6562101                             | PCB CD            | PHEONLIC LAMINATES | 1    |         |
| P5 | 9CD6562200                             | PCB TUNER         | PHENOLIC LAMINATES | 1    |         |
| T1 | 7173260811                             | SCREW TAPPTITE    | TT2 BIN 2.6×8      | 2    |         |
| T2 | 7173261011                             | SCREW TAPPTITE    | TT2 BIN 2.6×10     | 5    |         |
| T3 | 7173301011                             | SCREW TAPPTITE    | TT2 BIN 3×10       | 11   |         |
| T4 | 7173301012                             | SCREW TAPPITE     | TT2 BIN 3×10       | 12   | B.K     |
| W1 | 7400102611                             | WASHER PLAIN      | PW-1 2.6           | 2    |         |
| W2 | 7400103011                             | WASHER PLAIN      | PW-1-5             | 4    |         |

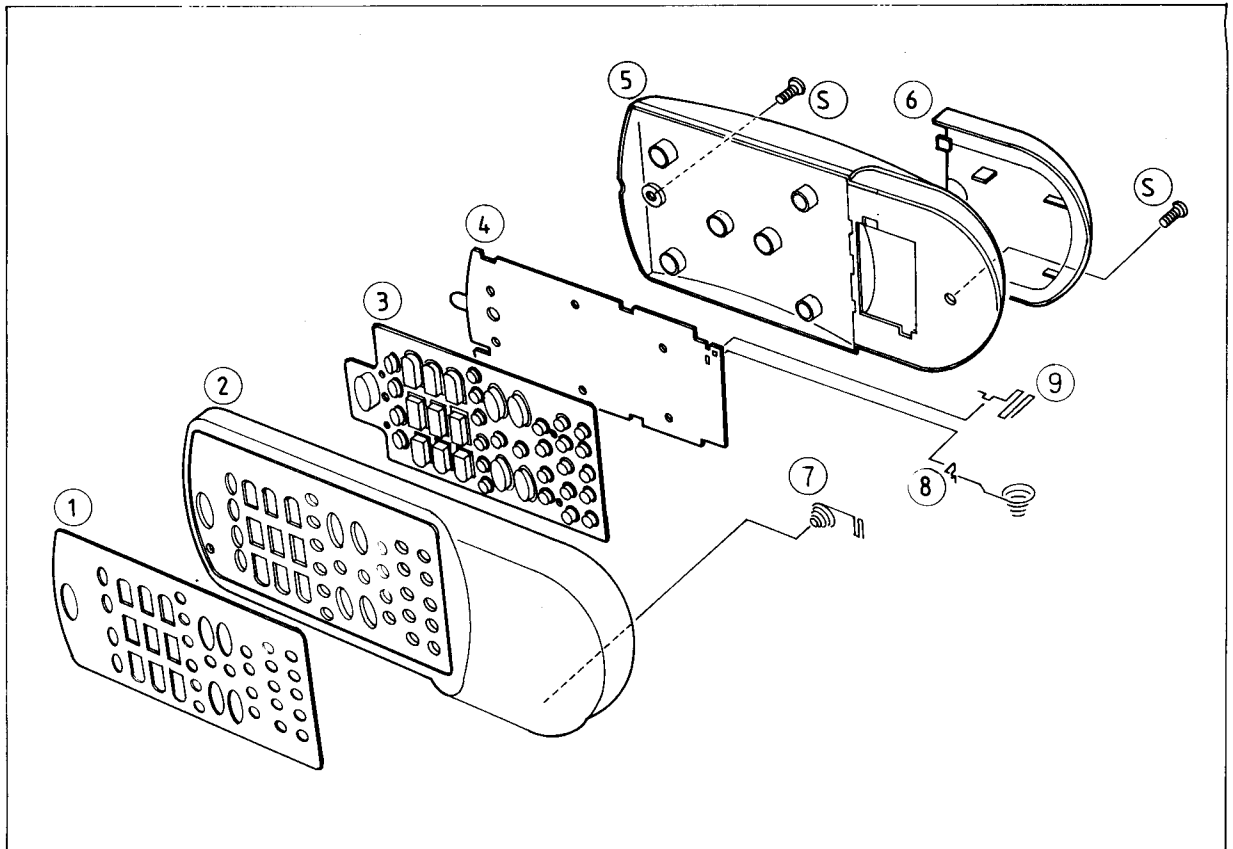
3. SPEAKER SECTION AND PART LIST



## **SPEAKER SECTION PART LIST**

| <b>NO.</b> | <b>PART CORD</b> | <b>PART NAME</b> | <b>Q'TY</b> | <b>REMARK</b> |
|------------|------------------|------------------|-------------|---------------|
| 1          | 9CD0121800       | CABINET SP A     | 2           |               |
| 2          | 9CD0301900       | PANEL SP FRONT A | 2           |               |
| 3          | 9CD0603100       | FRAME SP NET A   | 2           |               |
| 4          |                  |                  |             |               |
| 5          | 9CD4000200       | BUSHING SP NET   | 8           |               |
| 6          | 7228351211       | SCREW            | 8           |               |
| 7          | 9CD8511100       | SPEAKER WOOFER   | 2           |               |
| 8          | 7228401211       | SCREW            | 12          |               |
| 9          | 9CD8511200       | SPEAKER TWEETER  | 2           |               |

#### 4. REMOCON SECTION AND PART LIST

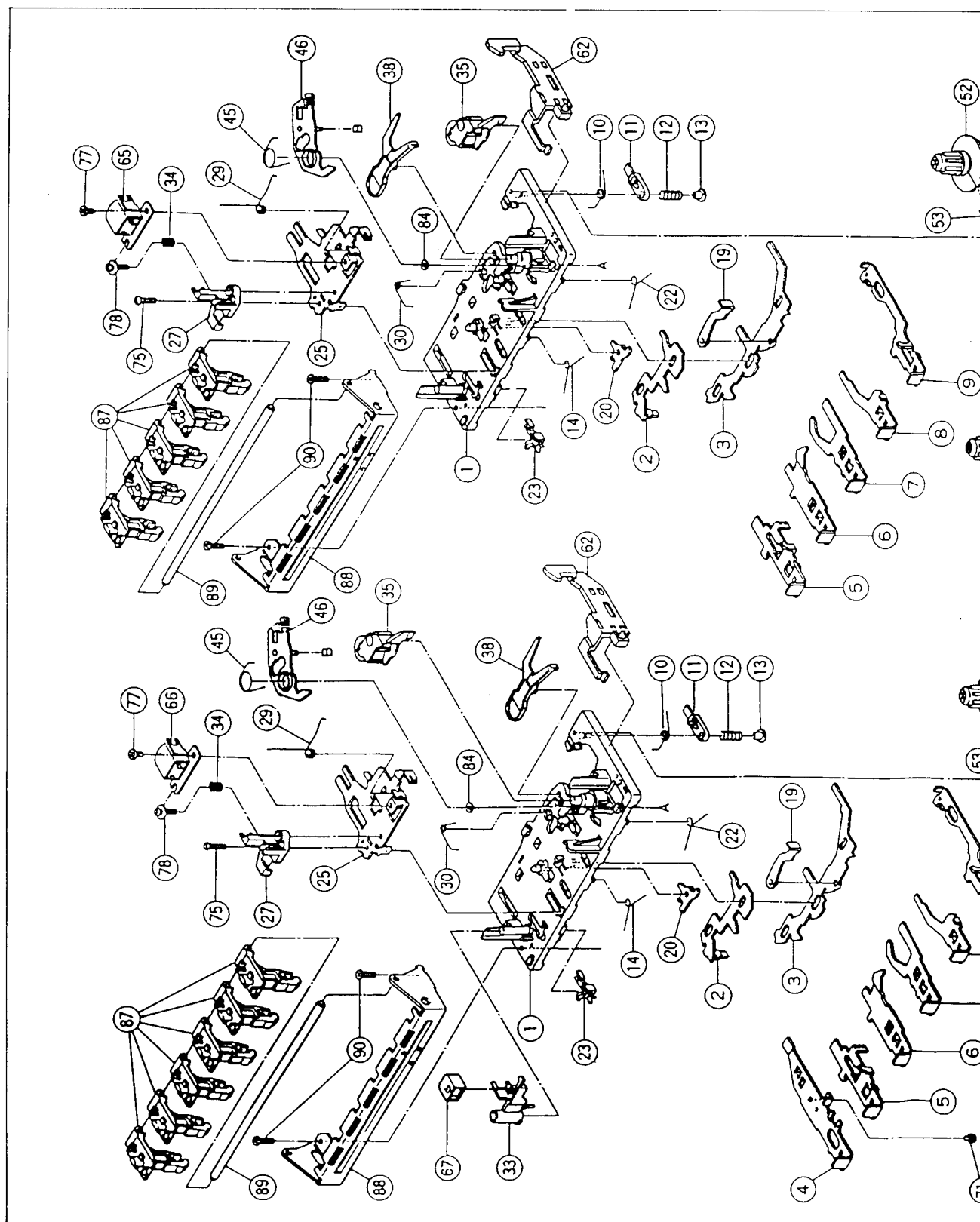


#### REMOCON SECTION PART LIST

| NO. | PART CORD  | PART NAME         | PART-DESCRIPTION | Q'TY | REMARK |
|-----|------------|-------------------|------------------|------|--------|
| 1   | 9CD0904200 | PLATE PEMOCON     | T = 0.25         | 1    |        |
| 2   | 9CD0121600 | CABI TOP REMOCON  |                  | 1    |        |
| 3   | 9CD1315700 | KNOB REMOCON      |                  | 1    |        |
| 4   | 9CD6562500 | PCB REMOCON       | T = 1.6          | 1    |        |
| 5   | 9CD0121700 | CABI BOTT REMOCON |                  | 1    |        |
| 6   | COVER BATT | 9CD0405400        |                  | 1    |        |
| 7   | 9CE3004700 | SPRING A          | D = 0.5          | 1    |        |
| 8   | 9CD3004800 | SPRING B          | D = 0.5          | 1    |        |
| 9   | 9CD3004900 | SPRING C          | D = 0.5          | 1    |        |
| 10  | 7173260812 | SCREW TAPP        | TT2 BIN 2.6 × 8  | 2    |        |

# 10. MECHANISM EXPLODED VIEW AND PARTS LIST

## 1. CASS DECK (AUTO STOP) GM-21ZSW





## GM-21ZSW PART LIST

| NO | PART NO.    | PARTS NAME              | QTY |
|----|-------------|-------------------------|-----|
| 1  | 1921 14 301 | BASE ASS'Y              | 2   |
| 2  | 1921 14 09  | SWITCH ACTUATOR         | 2   |
| 3  | 1921 14 08  | PUSH BUTTON ACTUATOR    | 2   |
| 4  | 1921 14 22  | REC. BUTTON LEVER       | 1   |
| 5  | 1921 14 23  | PLAY BUTTON LEVER       | 2   |
| 6  | 1921 14 24  | REW BUTTON LEVER        | 2   |
| 7  | 1921 14 25  | FF BUTTON LEVER         | 2   |
| 8  | 1921 14 26  | STOP BUTTON LEVER       | 2   |
| 9  | 1921 14 61  | PAUSE BUTTON LEVER      | 2   |
| 10 | 1921 14 13A | P CONTROL SPRING        | 2   |
| 11 | 1921 14 55  | PAUSE LEVER (E)         | 2   |
| 12 | 1921 14 12  | PAUSE LEVER SPRING      | 2   |
| 13 | 1921 14 11  | PAUSE STOPPER           | 2   |
| 14 | 1921 14 14  | BUTTON LEVER SPRING (A) | 2   |
| 15 | 1921 01 501 | CHASSIS ASS'Y           | 2   |
| 16 | 1921 14 16  | E ACTUATOR SPRING       | 2   |
| 17 | 1921 14 17  | P.S. LEVER SPRING       | 2   |
| 18 |             |                         |     |
| 19 | 1821 01 159 | E KICK LEVER            | 2   |
| 20 | 1921 14 20  | PR STOPPER              | 2   |
| 21 | 1921 14 21  | REC BUTTON LEVER SPRING | 1   |
| 22 | 1921 14 15  | BUTTON LEVER SPRING (B) | 2   |
| 23 | 6401 01 149 | LEAF SWITCH MSW-1541T   | 2   |
| 24 |             |                         |     |
| 25 | 1921 03 11  | HEAD PANEL              | 2   |
| 26 |             |                         |     |
| 27 |             |                         |     |
| 28 |             |                         |     |
| 29 | 1921 03 03  | PANEL P SPRING          | 2   |
| 30 | 1921 14 18  | M CONTROL SPRING        | 2   |
| 31 |             |                         |     |
| 32 |             |                         |     |
| 33 | 1921 03 05  | MG ARM                  | 1   |
| 34 | 1821 03 07  | AZIMUTH SPRING          | 2   |
| 35 | 1921 04 309 | PINCH POLLER ARM ASS'Y  | 2   |
| 36 |             |                         |     |

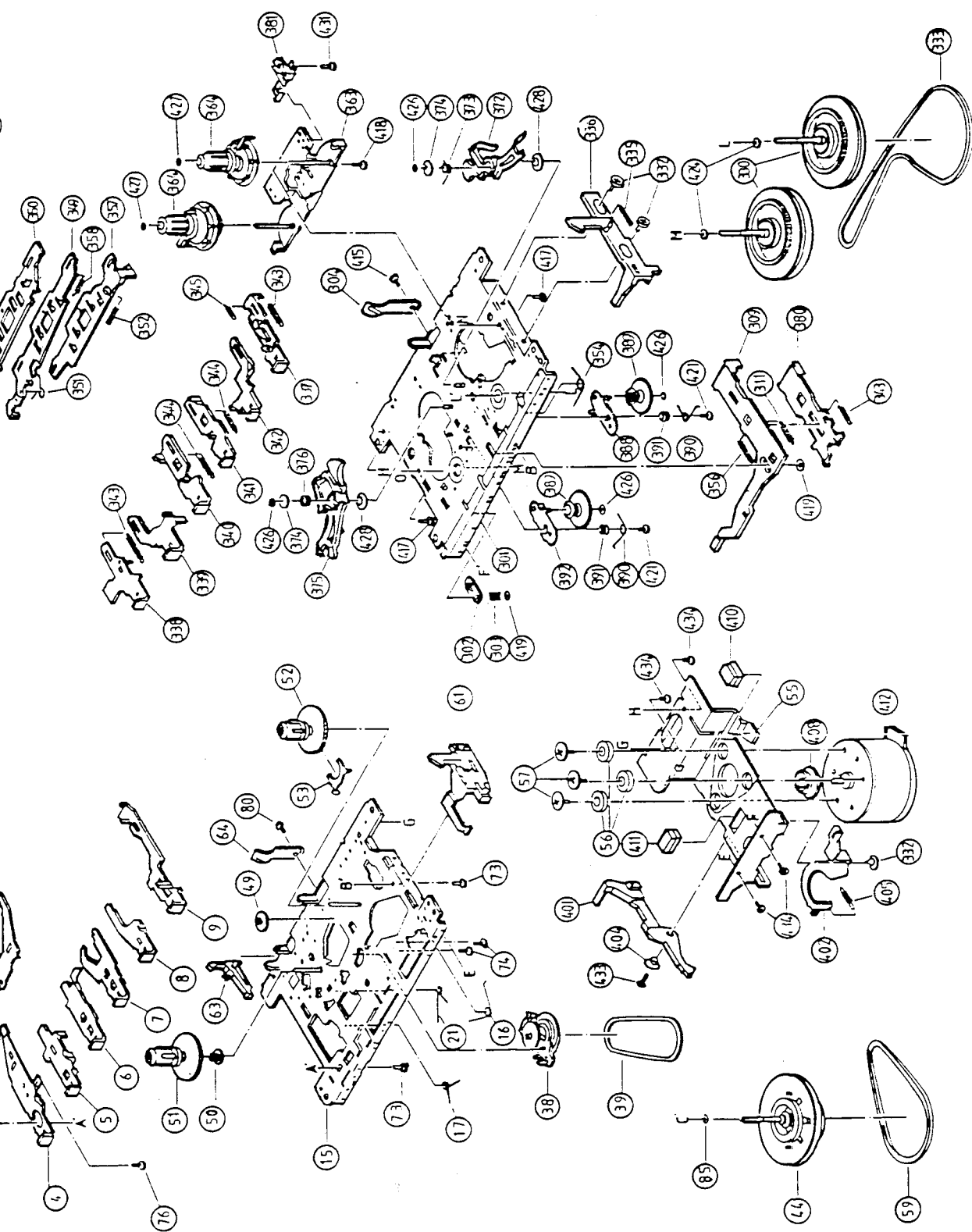
| NO | PART NO.    | PARTS NAME              | Q'TY |
|----|-------------|-------------------------|------|
| 37 |             |                         |      |
| 38 | 1921 26 04  | SENSING LEVER           | 2    |
| 39 | 1921 07 302 | RF CLUTCH ASS'Y         | 2    |
| 40 | 1921 07 03  | RF BELT                 | 2    |
| 41 |             |                         |      |
| 42 |             |                         |      |
| 43 | 1921 09 304 | FLYWHEEL ASS'Y          | 1    |
| 44 | 1921 09 303 | FLYWHEEL ASS'Y          | 1    |
| 45 | 1921 26 05  | GEAR PLATE SPRING       | 2    |
| 46 | 1921 26 501 | GEAR PLATE ASS'Y        | 2    |
| 47 | 1921 26 02  | CAM GEAR                | 2    |
| 48 |             |                         |      |
| 49 | 1821 10 70  | FF GEAR                 | 2    |
| 50 | 1829 10 10  | BACK TENSION SPRING     | 2    |
| 51 | 1921 05 304 | SUPPLY REEL ASS'Y       | 2    |
| 52 | 1921 05 303 | TAKE UP REEL ASS'Y      | 2    |
| 53 | 1921 05 06  | SENER                   | 2    |
| 54 |             |                         |      |
| 55 | 1921 12 11  | MOTOR BRACKET           | 1    |
| 56 | 1820 13 06  | MOTOR RUBBER            | 3    |
| 57 | 1821 12 02  | MOTOR COLLER SCREW      | 3    |
| 58 | 1921 12 13  | MOTOR PULLEY            | 1    |
| 59 | 1821 12 22  | MAIN BELT               | 2    |
| 60 | 1821 12 12  | ANTI VIBRATION FELT MAT | 2    |
| 61 |             |                         |      |
| 62 | 1921 13 02  | EJECT SLIDE LEVER       | 2    |
| 63 |             |                         |      |
| 64 | 1829 10 01  | PACK SPRING             | 2    |
| 65 |             | P. HEAD                 | 1    |
| 66 |             | R.P. HEAD               | 1    |
| 67 |             | E. HEAD                 | 1    |
| 68 |             | MOTOR                   | 1    |
| 69 | 1821 10 69  | RECORD SAFETY LEVER     | 1    |
| 70 |             |                         |      |
| 71 | 9179 00 00  | C TAPPING SCREW M2×3    | 3    |
| 72 | 9780 00 00  | C TAPPING SCREW M2×4    | 6    |



| NO  | PART NO.   | PARTS NAME                                   | Q'TY |
|-----|------------|----------------------------------------------|------|
| 73  | 9679 00 00 | P TAPPING BING SCREW M2×5                    | 4    |
| 74  | 9999 18 09 | TAPPING SCREW (FOR CAMERA) M2×4.5            | 4    |
| 75  | 9004 00 00 | SCREW M2×6                                   | 2    |
| 76  |            |                                              |      |
| 77  | 9115 00 00 | + BIND SCREW M2×3                            | 2    |
| 78  | 9922 00 00 | AZIMUTH SCREW M2×7                           | 2    |
| 79  | 9182 00 00 | C TAPPING SCREW M2×6                         | 1    |
| 80  |            |                                              |      |
| 81  |            |                                              |      |
| 82  |            |                                              |      |
| 83  | 9422 00 00 | P WASHER CUT 1.2×3.8×0.3                     | 2    |
| 84  | 9999 03 13 | P WASHER CUT 1.45×3.8×0.5                    | 2    |
| 85  | 9786 00 00 | P WASHER 2×3.5×0.3                           | 2    |
| 86  |            |                                              |      |
| 87  | 1821 31 07 | OPERATION LEVER                              | 11   |
| 88  | 1821 31 06 | BUTTON FRAME (S)                             | 2    |
| 89  | 1829 31 03 | BUTTON LEVER SHAFT                           | 2    |
| 90  | 9999 14 02 | S TAPPING SCREW (FOR CAMERA) M2×3<br>(GUIDE) | 4    |
| 91  | 1921 12 09 | P KICK LEVER (B)                             | 1    |
| 92  | 1821 12 68 | P KICK LEVER (A)                             | 1    |
| 93  | 1821 12 23 | PK COLLER SCREW (A)                          | 1    |
| 94  | 1821 12 65 | COLLER (B)                                   | 1    |
| 95  | 1821 12 25 | P KICK LEVER SPRING                          | 1    |
| 96  |            |                                              |      |
| 97  |            |                                              |      |
| 98  |            |                                              |      |
| 99  |            |                                              |      |
| 100 |            |                                              |      |

## 2. CASS DECK (AUTO REV) GM-521ZSW





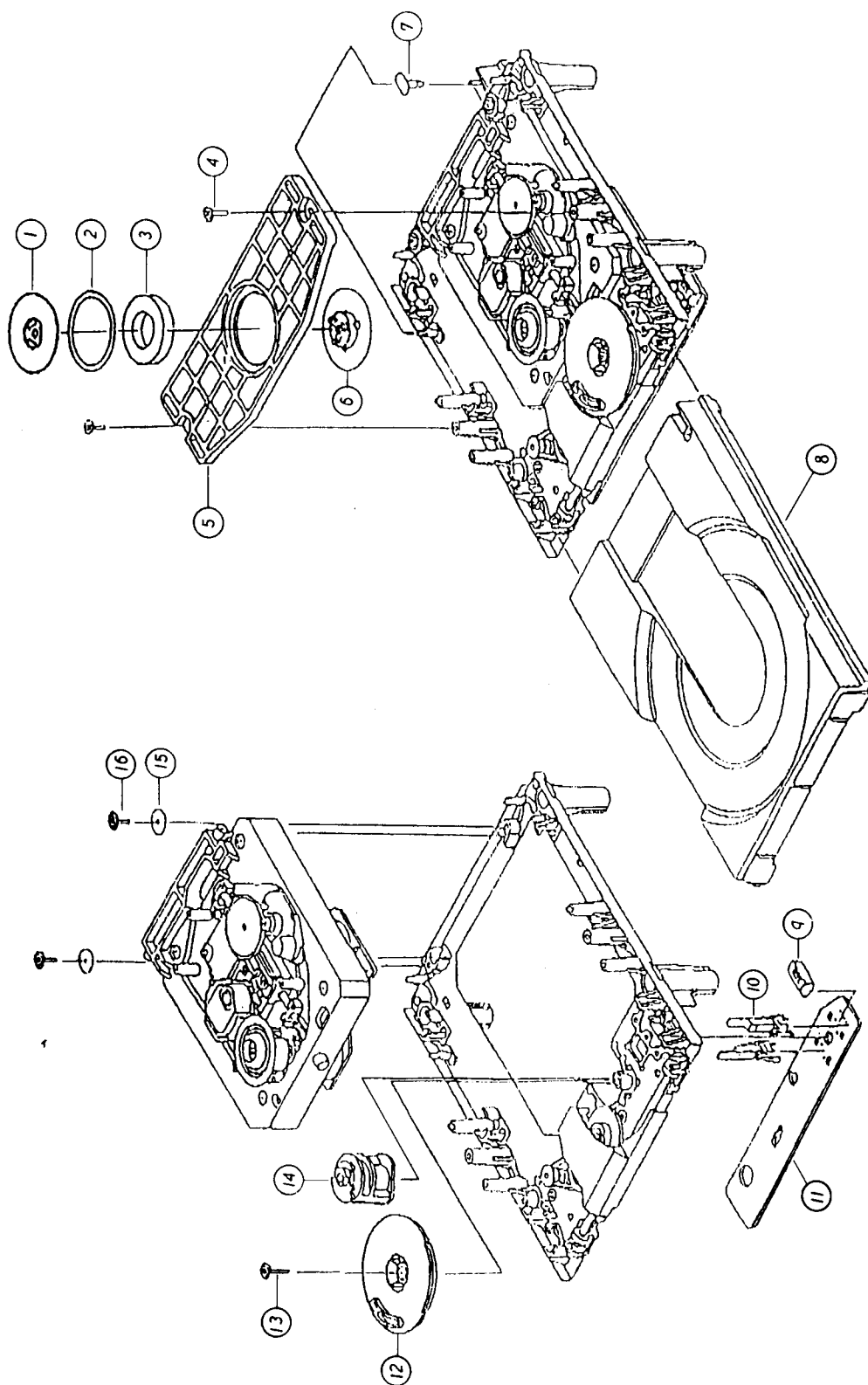
| NO | PART NO.    | PARTS NAME                     | QTY |
|----|-------------|--------------------------------|-----|
| 42 |             |                                |     |
| 43 |             |                                |     |
| 44 | 1921 09 303 | FLYWHEEL ASS'Y                 | 1   |
| 45 | 1921 26 05  | GEAR PLATE SPRING              | 2   |
| 46 | 1921 26 501 | GEAR PLATE ASS'Y               | 2   |
| 47 | 1921 26 02  | CAM GEAR                       | 2   |
| 48 |             |                                |     |
| 49 | 1821 10 70  | FF GEAR                        | 2   |
| 50 | 1829 10 99  | BACK TENSION SPRING            | 2   |
| 51 | 1921 05 304 | SUPPLY REEL ASS'Y              | 2   |
| 52 | 1921 05 303 | TAKE UP REEL ASS'Y             | 2   |
| 53 | 1921 05 06  | SENER                          | 2   |
| 54 |             |                                |     |
| 55 | 1851 14 07  | MOTOR BRACKET                  | 1   |
| 56 | 1821 12 66  | MOTOR RUBBER                   | 3   |
| 57 | 1851 14 18  | MOTOR COLLER SCREW             | 3   |
| 58 |             |                                |     |
| 59 | 1821 12 173 | MAIN BELT                      | 2   |
| 60 |             |                                |     |
| 61 |             |                                |     |
| 62 | 1921 13 02  | EJECT SLIDE LEVER              | 2   |
| 63 |             |                                |     |
| 64 | 1829 10 01  | PACK SPRING                    | 2   |
| 65 |             | P. HEAD                        | 1   |
| 66 |             | R.P. HEAD                      | 1   |
| 67 |             | E. HEAD                        | 1   |
| 68 |             |                                |     |
| 69 | 1821 31 07  | OPERATION LEVER                | 6   |
| 70 | 1829 31 03  | BUTTON LEVER SHAFT             | 1   |
| 71 | 1821 31 06  | BUTTON FLAME (S)               | 1   |
| 72 |             |                                |     |
| 73 | 9679 00 00  | P TAPPING BING SCREW M2×5      | 2   |
| 74 | 9999 18 09  | CAMERA TAPPING SCREW M2×4.5    | 2   |
| 75 | 9004 00 00  | SCREW M2×6                     | 2   |
| 76 | 9179 00 00  | C TAPPING SCREW M2×4.5         | 2   |
| 77 | 9115 00 00  | + BIND SCREW M2×3              | 2   |
| 78 | 9922 00 00  | AZIMUTH SCREW M2×7             | 2   |
| 79 | 9999 14 02  | CAMERA TAPPING SCREW M2×8      | 2   |
| 80 | 9178 00 00  | C TAPPING SCREW M2×3 (SPECIAL) | 1   |
| 81 |             |                                |     |
| 82 |             |                                |     |

| NO  | PART NO.    | PARTS NAME                | Q'TY |
|-----|-------------|---------------------------|------|
| 83  | 9422 00 00  | P WASHER CUT 1.2×3.8×0.3  | 2    |
| 84  | 9999 03 13  | P WASHER CUT 1.45×3.8×0.5 | 2    |
| 85  | 9786 00 00  | P WASHER 2×3.5×0.3        | 2    |
| 86  |             |                           |      |
| 87  |             |                           |      |
| 88  |             |                           |      |
| 89  |             |                           |      |
| 90  |             |                           |      |
| 91  |             |                           |      |
| 92  |             |                           |      |
| 93  |             |                           |      |
| 94  |             |                           |      |
| 95  |             |                           |      |
| 96  |             |                           |      |
| 97  |             |                           |      |
| 98  |             |                           |      |
| 99  |             |                           |      |
| 100 |             |                           |      |
| 301 | 1851 01 301 | CHASSIS ASS'Y             | 1    |
| 302 | 1821 01 15  | PAUSE LEVER               | 1    |
| 303 | 1821 01 16  | PAUSE LEVER SPRING        | 1    |
| 304 | 1829 10 06  | PACK SPRING               | 1    |
| 305 |             |                           |      |
| 306 |             |                           |      |
| 307 |             |                           |      |
| 308 | 1851 04 53  | H.P. COLLAR V             | 1    |
| 309 | 1851 04 08  | RELEASE PLATE             | 1    |
| 310 | 1851 04 09  | R.C. PLATE SPRING         | 1    |
| 311 | 1851 04 10  | R.C. SPRING               | 1    |
| 312 | 1851 04 01  | HEAD PANEL                | 1    |
| 313 | 1851 04 02  | R.C. PLATE                | 1    |
| 314 | 1851 04 03  | TAPE GUIDE                | 1    |
| 315 | 6403 02 04  | SLIDE SWITCHVH R663167    | 1    |
| 316 | 1851 16 01  | SWITCH BRACKET            | 1    |
| 317 |             |                           |      |
| 318 |             |                           |      |
| 319 | 1851 04 05  | HEAD SPRING PLATE         | 1    |
| 320 |             |                           |      |
| 321 |             |                           |      |
| 322 |             |                           |      |

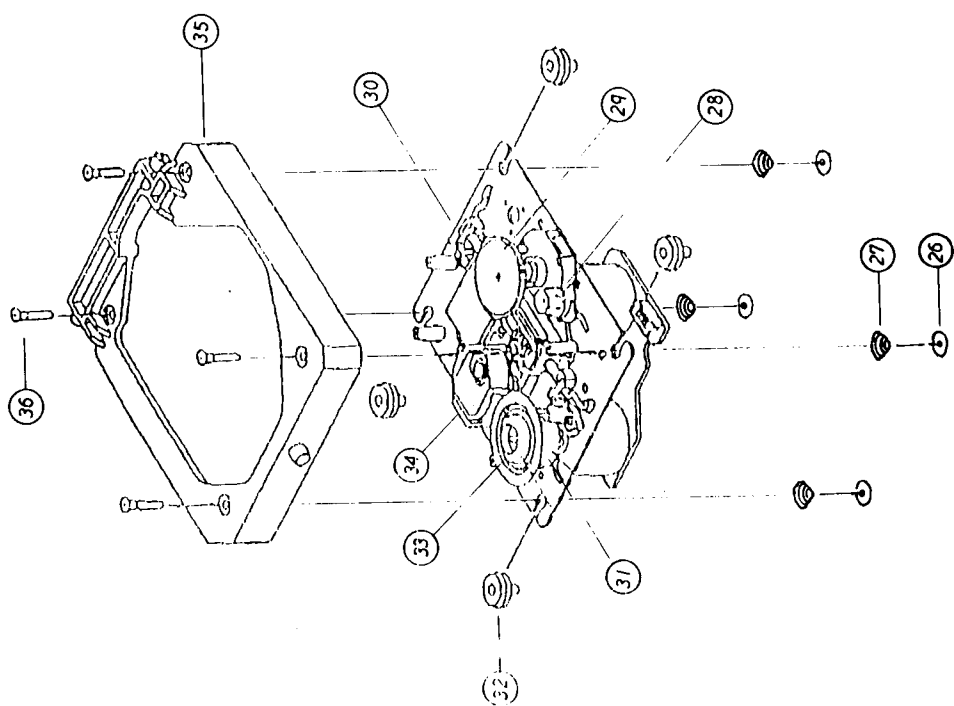
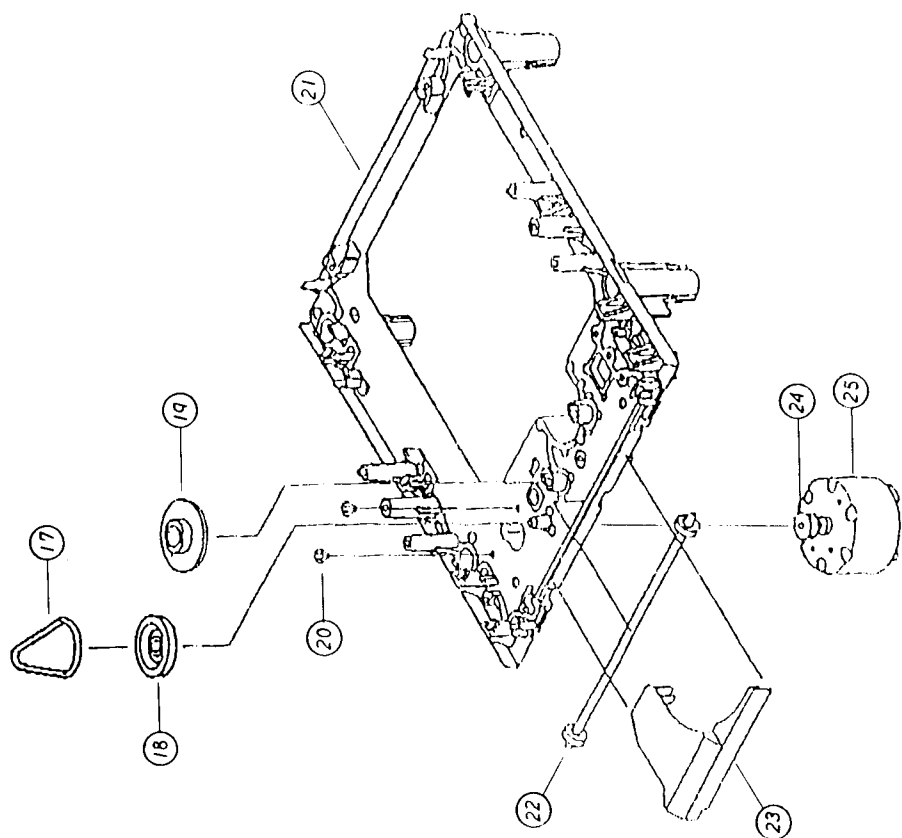
| NO  | PART NO.    | PARTS NAME               | Q'TY |
|-----|-------------|--------------------------|------|
| 323 | 1851 04 06  | PINCH ROLLER SPRINTG (F) | 1    |
| 324 | 1851 04 07  | PINCH ROLLER SPRING (R)  | 1    |
| 325 |             |                          |      |
| 326 |             |                          |      |
| 327 |             | P. HEAD                  | 1    |
| 328 |             |                          |      |
| 329 |             |                          |      |
| 330 | 1851 12 501 | FLYWHEEL ASS'Y           | 2    |
| 331 |             |                          |      |
| 332 | 1821 12 23  | P.K. COLLAR SCREW (A)    | 3    |
| 333 | 1821 12 142 | MAIN BELT                | 1    |
| 334 | 1851 17 03  | EJECT SLIDE LEVER        | 1    |
| 335 | 1851 17 02  | EJECT SIDE LEVER SPRING  | 1    |
| 336 |             |                          |      |
| 337 | 1851 02 304 | PROG BUTTON LEVER ASS'Y  | 1    |
| 338 | 1851 02 309 | MODE BUTTON LEVER ASS'Y  | 1    |
| 339 | 1851 02 32  | PLAY BUTTON LEVER (S)    | 1    |
| 340 | 1851 02 35  | FF BUTTON LEVER R (S)    | 1    |
| 341 | 1851 02 34  | FF BUTTON LEVER F (S)    | 1    |
| 342 | 1851 02 31  | STOP BUTTON LEVER (S)    | 1    |
| 343 | 1851 02 22  | BUTTON LEVER SPRING      | 3    |
| 344 | 1851 02 24  | FF BUTTON LEVER SPRING   | 2    |
| 345 | 1851 02 27  | PULL ARM SPRING          | 1    |
| 346 |             |                          |      |
| 347 |             |                          |      |
| 348 |             |                          |      |
| 349 | 1851 02 301 | LOCK ACTUATOR ASS'Y      | 1    |
| 350 | 1851 02 17  | SLIDE PLATE              | 1    |
| 351 |             |                          |      |
| 352 | 1851 02 26  | SW ACTUATOR SPRING       | 1    |
| 353 | 1851 02 501 | BUTTON BASE ASS'Y        | 1    |
| 354 | 1851 02 21  | STOP BUTTON LEVER SPRING | 1    |
| 355 |             |                          |      |
| 356 | 1851 02 42  | BUTTON LEVER SPRING (P)  | 1    |
| 357 | 1851 02 302 | SW ACTUATOR ASS'Y        | 1    |
| 358 | 1851 02 25  | LOCK ACTUATOR SPRING     | 1    |
| 359 |             |                          |      |
| 360 |             |                          |      |
| 361 |             |                          |      |
| 362 |             |                          |      |
| 363 | 1851 11 301 | REEL PLATE ASS'Y         | 1    |

| NO  | PART NO.    | PARTS NAME             | Q'TY |
|-----|-------------|------------------------|------|
| 364 | 1851 11 501 | REEL ASS'Y             | 2    |
| 365 | 1851 18 305 | SUB CHASSIS ASS'Y      | 1    |
| 366 | 1851 18 04  | RC ARM                 | 1    |
| 367 | 1851 18 05  | AUTO CONTROL ARM (F)   | 1    |
| 368 | 1851 18 06  | AUTO CONTROL ARM (R)   | 1    |
| 369 | 1851 18 07  | CONTROL ARM COLLAR     | 2    |
| 370 |             |                        |      |
| 371 |             |                        |      |
| 372 | 1851 20 01  | AUTO LEVER (F)         | 1    |
| 373 | 1851 20 03  | AUTO LEVER (R) SPRING  | 1    |
| 374 | 1851 20 05  | SPRING STOPPER         | 2    |
| 375 | 1851 20 02  | AUTO LEVER (R)         | 1    |
| 376 | 1851 20 04  | AUTO LEVER (F) SPRING  | 1    |
| 378 | 1851 03 01  | TURN OVER ARM          | 1    |
| 379 | 1851 03 02  | TURN OVER SPRING       | 1    |
| 380 | 1851 16 02  | FF SW PLATE            | 1    |
| 381 | 6401 01 172 | LEAF SWITCH MSW-1290CV | 1    |
| 382 | 1851 05 303 | T GEAR ARM (F) ASS'Y   | 1    |
| 383 | 1851 05 04  | T GEAR ARM (F) SPRING  | 1    |
| 384 | 1851 05 03  | T CAM GEAR (F)         | 1    |
| 385 | 1851 06 303 | T GEAR ARM (R) ASS'Y   | 1    |
| 386 | 1851 06 03  | T GEAR AR (R) SPRING   | 1    |
| 387 | 1851 06 02  | T CAM GE AR (R)        | 1    |
| 388 | 1851 07 301 | FF GEAR ARM (F) ASS'Y  | 1    |
| 389 | 1851 07 03  | FF GEAR                | 2    |
| 390 | 1851 07 04  | FF GEAR ARM SPRING (F) | 2    |
| 391 | 1851 07 05  | FF GEAR ARM COLLAR     | 2    |
| 392 | 1851 08 301 | FF GEAR ARM (R) ASS'Y  | 1    |
| 393 |             |                        |      |
| 394 | 1851 09 501 | PINCH ROLLER (F) ASS'Y | 1    |
| 395 | 1851 10 501 | PINCH ROLLER (R) ASS'Y | 1    |
| 396 |             |                        |      |
| 397 |             |                        |      |
| 398 | 1821 31 07  | OPERATION LEVER        | 6    |
| 399 | 1829 31 03  | BUTTON LEVER SHAFT     | 1    |
| 400 | 1851 31 01  | BUTTON FLAME (S)       | 1    |

3. CD DECK KSL-2101ABM







## KSL-2101ABM PART LIST

| NO | PART NO.     | PARTS NAME               | Q'TY | REMARKS |
|----|--------------|--------------------------|------|---------|
| 1  | 2-625-537-01 | YOKE (S) CHUCKING        | 1    |         |
| 2  | 2-625-541-02 | DAMPER (S)               | 1    |         |
| 3  | 1-452-483-21 | MAGNET                   | 1    |         |
| 4  | 2-626-284-01 | SCREW (PTPWH 2.6 × ‡)    | 2    |         |
| 5  | 2-625-546-01 | PLATE (S) CHUCKING       | 1    |         |
| 6  | 2-625-548-02 | PULLY (G) CHUCKING       | 1    |         |
| 7  |              | SW PIN                   | 2    |         |
| 8  | 2-625-550-03 | TRAY (S)                 | 1    |         |
| 9  | 1-564-721-11 | PIN CONNECTOR            | 1    |         |
| 10 | 1-527-085-11 | SWITCH LEAF              | 2    |         |
| 11 | 1-640-523-12 | PC BOARD LOADING         | 1    |         |
| 12 | 2-825-547-03 | GEAR (S) DRIVE           | 1    |         |
| 13 | 3-316-301-51 | SCREW (PTPWH 2.6 × 16)   | 1    |         |
| 14 | 2-625-545-04 | CAM (S) CONTROL          | 1    |         |
| 15 |              | FLAT WASHER              | 2    |         |
| 16 | 2-626-284-01 | SCREW (P-TPWH 2.6 × 7)   | 2    |         |
| 17 | 3-853-387-01 | BELT LM                  | 1    |         |
| 18 | 2-625-536-02 | LOADING PULLY            | 1    |         |
| 19 | 2-625-534-02 | PULL (S), MIDWAY         | 1    |         |
| 20 | 2-625-279-01 | SCREW B2.6 × 5           | 2    |         |
| 21 | 2-625-552-06 | CHASSIS (S) OUTSERT MAIN | 1    |         |
| 22 | 2-625-535-01 | GEAR (S) TRAY            | 1    |         |
| 23 | 2-625-644-01 | COVER (S) GEAR           | 1    |         |
| 24 |              | MOTOR PULLY              | 1    |         |
| 25 | X-2625-117-1 | LOADING MOTOR ASSEMBLY   | 1    |         |
| 26 | 2-625-730-01 | WASHER BASED SCREW       | 4    |         |
| 27 | 2-625-539-01 | SPRING (S)               | 4    |         |
| 28 |              | MOTOR GEAR               | 1    |         |
| 29 |              | GEAR (A)                 | 1    |         |
| 30 |              | OUTSERT MAIN CHASSIS     | 1    |         |
| 31 |              | TURNTABLE                | 1    |         |
| 32 |              | INSALATOR                | 4    |         |
| 33 |              | CENTER KING              | 1    |         |
| 34 |              | OPITICAL PICK UP         | 1    |         |
| 35 | X-2625-227-2 | CHASSIS ASS'Y (G) SUB    | 1    |         |
| 36 |              | INSULATOR PIN            | 4    |         |

# 11. ELECTRICAL PARTS LIST

## • 9CDC0256F DECK AMP AS

| LOC   | PART-CODE  | PART-NAME       | PART-DESCRIPTION              |
|-------|------------|-----------------|-------------------------------|
| 10000 | 9CDC02560F | PCB DECK AMP AS | AMI-322F                      |
| CB001 | 9CD6562001 | PCB MAIN        | 245×197×1.6T                  |
| CD001 | 9736900200 | CORD AC         | KKP419C, KLCE-2F, 0.75 SQUIRE |
| CW903 | 9736235000 | CONN AS         | 13P CFG1313-0101              |
| CW904 | 9736235100 | CONN AS         | 15P CFG1315-0101              |
| C501  | CEXE1H479A | C ELECTRO       | RS 50V 4.7MF 5×11             |
| C502  | CEXE1H479A | C ELECTRO       | RS 50V 4.7MF 5×11             |
| C503  | CEXE1E101A | C ELECTRO       | RS 25V 100MF 8×11.5           |
| C504  | CEXE1E101A | C ELECTRO       | RS 25V 100MF 8×11.5           |
| C505  | CCKB1H471K | C CERA          | HIKB 50V 470PF K AXL 26MM     |
| C506  | CCKB1H471K | C CERA          | HIKB 50V 470PF K AXL 26MM     |
| C507  | CEXE1E101A | C ELECTRO       | RS 25V 100MF 8×11.5           |
| C508  | CEYE1E102A | C ELECTRO       | 25V 1000MF RS 13×25           |
| C509  | CEYE1E102A | C ELECTRO       | 25V 1000MF RS 13×25           |
| C510  | CMXM1H104J | C MYLAR         | 50V 0.1MF J                   |
| C511  | CMXM1H104J | C MYLAR         | 50V 0.1MF J                   |
| C512  | CEXE1H109A | C ELECTRO       | RS 50V 1MF 5×11               |
| C514  | CEXE1E101A | C ELECTRO       | RS 25V 100MF 8×11.5           |
| C515  | CEXE1E220A | C ELECTRO       | RS 25V 22MF 5×11              |
| C591  | CCKF1H332Z | C CERA          | HIKF 50V 0.033MF              |
| C592  | CCKF1H333Z | C CERA          | HIKF 50V 0.033MF              |
| C601  | CCKB1H121K | C CERA          | HIKB 50V 120PF K AXL 26MM     |
| C602  | CCKB1H121K | C CERA          | HIKB 50V 120PF K AXL 26MM     |
| C603  | CCKB1H101K | C CERA          | HIKB 50V 100PF K AXL 26MM     |
| C604  | CCKB1H101K | C CERA          | HIKB 50V 100PF A AXL 26MM     |
| C605  | CMXM1H102J | C MYLAR         | 50V 0.001MF J                 |
| C606  | CMXM1H102J | C MYLAR         | 50V 0.001MF J                 |
| C607  | CMXM1H102J | C MYLAR         | 50V 0.001MF J                 |
| C608  | CMXM1H102J | C MYLAR         | 50V 0.001MF J                 |
| C609  | CMXM1H102J | C MYLAR         | 50V 0.001MF J                 |
| C610  | CMXM1H102J | C MYLAR         | 50V 0.001MF J                 |
| C611  | CEXE1E470A | C ELECTRO       | RS 25V 47MF 6.3×11            |
| C612  | CEXE1E470A | C ELECTRO       | RS 25V 47MF 6.3×11            |
| C613  | CMXM1H183J | C MYLAR         | 50V 0.018MF J                 |
| C614  | CMXM1H183J | C MYLAR         | 50V 0.018MF J                 |
| C615  | CEXE1H479A | C ELECTRO       | RS 50V 4.7MF 5×11             |
| C616  | CEXE1H479A | C ELECTRO       | RS 50V 4.7MF 5×11             |
| C617  | CEXE1E101A | C ELECTRO       | RS 25V 100MF 8×11.5           |
| C618  | CEXE1E101A | C ELECTRO       | RS 25V 100MF 8×11.5           |
| C619  | CEXE1H229A | C ELECTRO       | RS 50V 2.2MF 5×11             |

| LOC  | PART-CODE  | PART-NAME | PART-DESCRIPTION          |
|------|------------|-----------|---------------------------|
| C620 | CEXE1H229A | C ELECTRO | RS 50V 2.2MF 5×11         |
| C621 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C622 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C623 | CEXE1E470A | C ELECTRO | RS 25V 47MF 6.3×11        |
| C624 | CEXE1E470A | C ELECTRO | RS 25V 47MF 6.3×11        |
| C625 | CMXM1H272J | C MYLAR   | 50V 2700PF J              |
| C626 | CMXM1H272J | C MYLAR   | 50V 2700PF J              |
| C627 | CEXE1E470A | C ELECTRO | RS 25V 47MF 6.3×11        |
| C628 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C629 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C630 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C631 | CCKB1H471K | C CERA    | HIKB 50V 470PF K AXL      |
| C632 | CEXE1H109A | C ELECTRO | RS 1MF 5×11               |
| C634 | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5       |
| C635 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C636 | CMXM1H332J | C MYLAR   | 50V 3300PF J              |
| C637 | CMXM1H103J | C MYLAR   | 50V 0.1MF J               |
| C638 | CMXM1H104J | C MYLAR   | 50V 0.1MF J               |
| C639 | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5       |
| C640 | CCKB1H221K | C CERA    | HIKB 50V 220PF K AXL 26MM |
| C641 | CMXM1H392J | C MYLAR   | 50V 0.0039MF J            |
| C642 | CEXE1H109A | C ELECTRO | RS 50V 1MF 5×11           |
| C643 | CMXM1H223J | C MYLAR   | 50V 0.022MF J             |
| C644 | CKSL1H390J | C CERA    | SL 50V 39PF J AXL 26MM    |
| C645 | CKSL1H390J | C CERA    | SL 50V 39PF J AXL 26MM    |
| C646 | CKSL1H390J | C CERA    | SL 50V 39PF J AXL 26MM    |
| C647 | CKSL1H390J | C CERA    | SL 50V 39PF J AXL 26MM    |
| C648 | CCKB1H101K | C CERA    | HIKB 50V 100PF K AXL 26MM |
| C649 | CCKB1H101K | C CERA    | HIKB 50V 100PF K AXL 26MM |
| C650 | CMXM1H332J | C MYLAR   | 50V 3300PF J              |
| C651 | CEXE1H228A | C ELECTRO | RS 50V 0.22MF 5×11        |
| C660 | CCKB1H101K | C CERA    | HIKB 50V 100PF K AXL 26MM |
| C661 | CCKB1H101K | C CERA    | HIKB 50V 100PF K AXL 26MM |
| C901 | CMXM1H104J | C MYLAR   | 50V 0.1MF J               |
| 902  | CMXM1H104J | C MYLAR   | 50V 0.1MF J               |
| 903  | CMXM1H104J | C MYLAR   | 50V 0.1MF J               |
| 904  | CMXM1H104J | C MYLAR   | 50V 0.1MF J               |
| 905  | CMXM1H104J | C MYLAR   | 50V 0.1MF J               |
| 906  | CMXM1H104J | C MYLAR   | 50V 0.1MF J               |
| 907  | CMXM1H104J | C MYLAR   | 50V 0.1MF J               |
| 908  | CMXM1H104J | C MYLAR   | 50V 0.1MF J               |
| C909 | CEYE1H332A | C ELECTRO | RS 50V 3300MF 26×41       |

| LOC  | PART-CODE   | PART-NAME   | PART-DESCRIPTION          |
|------|-------------|-------------|---------------------------|
| C910 | CEYE1E222A  | C ELECTRO   | 25V 2200MF RS 16×35.5     |
| C911 | CEYE1E222A  | C ELECTRO   | 25V 2200MF RS 16×35.5     |
| C912 | CEYE1E102A  | C ELECTRO   | 25V 1000MF RS 13×25       |
| C913 | CEXE1E101A  | C ELECTRO   | RS 25V 100MF 8×11.5       |
| C914 | CEXE1E101A  | C ELECTRO   | RS 25V 100MF 8×11.5       |
| C915 | CEXE1E101A  | C ELECTRO   | RS 25V 100MF 8×11.5       |
| C916 | CEXE1E101A  | C ELECTRO   | RS 25V 100MF 8×11.5       |
| C917 | CEXE1E471A  | C ELECTRO   | RS 25V 470MF 13×20        |
| C918 | CEXE1E471A  | C ELECTRO   | RS 25V 470MF 13×20        |
| C919 | CEXE1E101A  | C ELECTRO   | RS 25V 100MF 8×11.5       |
| C920 | CEXE1E101A  | C ELECTRO   | RS 25V 100MF 8×11.5       |
| C921 | CEXE1E101A  | C ELECTRO   | RS 25V 100MF 8×11.5       |
| C922 | CEXE1E221A  | C ELECTRO   | RS 25V 220MF 10×16        |
| C923 | CEXE1E101A  | C ELECTRO   | RS 25V 100MF 8×11.5       |
| C924 | CCKF1E223Z  | C CERA      | HIKF 25V 0.022MF Z AXL 26 |
| C925 | CEXE1E101A  | C ELECTRO   | RS 25V 100MF 8×11.5       |
| C926 | CEXE1E101A  | C ELECTRO   | RS 25V 100MF 8×11.5       |
| C99A | CCKF1H333Z  | C CERA      | HIKF 50V 0.033MF          |
| C99B | CCKF1H333Z  | C CERA      | HIKF 50V 0.033MF          |
| C991 | CBKY1C103M  | C CERA SEMI | HIKY 16V 0.01MF M 26MM    |
| C992 | CBKY1C103M  | C CERA SEMI | HIKY 16V 0.01MF M 26MM    |
| C993 | CBKY1C103M  | C CERA SEMI | HIKY 16V 0.01MF M 26MM    |
| C999 | CCKF1H333Z  | C CERA      | HIKF 50V 0.033MF          |
| D501 | DKN4001A--  | DIODE       | KN4001A AUTO 26MM         |
| D502 | DKSS133---  | DIODE       | 1SS133 AUTO 26MM          |
| D601 | DKSS133---  | DIODE       | 1SS133 AUTO 26MM          |
| D602 | DKTZ6R2A--  | DIODE ZENER | MTZ-6.2 26MM TAPPING      |
| D603 | DKSS133---  | DIODE       | 1SS133 AUTO 26MM          |
| D604 | DKSS133---  | DIODE       | 1SS133 AUTO 26MM          |
| D901 | DRL202----- | DIODE       | RLD202                    |
| D902 | DRL202----- | DIODE       | RL202                     |
| D903 | DRL202----- | DIODE       | RL202                     |
| D904 | DRL202----- | DIODE       | RL202                     |
| D905 | DKN4001A--  | DIODE       | KN4001A AUTO 26MM         |
| D906 | DKN4001A--  | DIODE       | KN4001A AUTO 26MM         |
| D907 | DKN4001A--  | DIODE       | KN4001A AUTO 26MM         |
| D908 | DKN4001A--  | DIODE       | KN4001A AUTO 26MM         |
| D909 | DKN4001A--  | DIODE       | KN4001A AUTO 26MM         |
| D910 | DKN4001A--  | DIODE       | KN4001A AUTO 26MM         |
| D911 | DKN4001A--  | DIODE       | KN4001A AUTO 26MM         |
| D912 | DKN4001A--  | DIODE       | KN4001A AUTO 26MM         |
| D913 | DKTZ12A---  | DIODE ZENER | MTZ-12 26MM TAPPING       |

| LOC   | PART-CODE   | PART-NAME   | PART-DESCRIPTION        |
|-------|-------------|-------------|-------------------------|
| D914  | DKTZ12A---  | DIODE ZENER | MTZ-12 26MM TAPPING     |
| D915  | DKTZ12A---  | DIODE ZENER | MTZ-12 26MM TAPPING     |
| D916  | DKTZ6R2A--  | DIODE ZENER | MTZ-6.2 26MM TAPPING    |
| D917  | DKTZ12A---  | DIODE ZENER | MTZ-12 26MM TAPPING     |
| D918  | DKTZ6R2A--  | DIODE ZENER | MTZ-6.2 26MM TAPPING    |
| D919  | DKTZ4R7A--  | DIODE ZENER | MTZ-4.7 26MM TAPPING    |
| FC901 | 9734600700  | CLIP FUSE   | FC-5N                   |
| FC902 | 9734600700  | CLIP FUSE   | FC-5N                   |
| F901  | 5FVGB6312S  | FUSE GLASS  | KS TS 0.63A 250V MF51   |
| IC501 | 1LA4282---  | IC          | LA4282                  |
| IC601 | 1TA8189N--  | IC          | TA8189N                 |
| IC602 | 1BA6209N--  | IC          | BA6209N                 |
| IC603 | 1TC4066BP-  | IC          | TC 4066BP               |
| IC604 | 1TC4066BP-  | IC          | TC 4066BP               |
| JW01  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW02  | W581GY5095  | WIRE JUMPER | AWG22 1/0.65 SN 5 AUTO  |
| JW03  | W581GY5095  | WIRE JUMPER | AWG22 1/0.65 SN 5 AUTO  |
| JW04  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW05  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 5 AUTO  |
| JW06  | W581GY5095  | WIRE JUMPER | AWG22 1/0.65 SN 5 AUTO  |
| JW07  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW08  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW09  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW10  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW01  | JW581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW11  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW110 | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW12  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW13  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW14  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW15  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW16  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW17  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW18  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW19  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW20  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW21  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW22  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW23  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW24  | W581GY1005  | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW25  | W581GY1505  | WIRE JUMPER | AWG22 1/0.65 SN 15 AUTO |
| JW26  | W581GY5095  | WIRE JUMPER | AWG22 1/0.65 SN 5 AUTO  |

| LOC  | PART-CODE  | PART-NAME   | PART-DESCRIPTION          |
|------|------------|-------------|---------------------------|
| JW27 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW28 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW29 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW30 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW31 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW32 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW33 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW34 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW35 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW36 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW37 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW38 | W581GY12J5 | WIRE JUMPER | AWG22 1/0.65 SN 12.5 AUTO |
| JW39 | W581GY12J5 | WIRE JUMPER | AWG22 1/0.65 SN 12.5 AUTO |
| JW40 | W581GY12J5 | WIRE JUMPER | AWG22 1/0.65 SN 12.5 AUTO |
| JW41 | W581GY5095 | WIRE JUMPER | AWG22 1/0.65 SN 5 AUTO    |
| JW42 | W581GY5095 | WIRE JUMPER | AWG22 1/0.65 SN 5 AUTO    |
| JW43 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW44 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW45 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW46 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW47 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW48 | W581GY12K5 | WIRE JUMPER | AWG22 1/0.65 SN 12.5 AUTO |
| JW49 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW50 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW51 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW52 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW53 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW54 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW55 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW56 | W581GY12J5 | WIRE JUMPER | AWG22 1/0.65 SN 12.5 AUTO |
| JW57 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW58 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW59 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW60 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW61 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW62 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW63 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW64 | W581GY7595 | WIRE JUMPER | AWG22 1/0.65 SN 7.5 AUTO  |
| JW65 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO   |
| JW66 | W581GY7595 | WIRE JUMPER | AWG22 1/0.65 SN 7.5 AUTO  |
| JW67 | W581GY7595 | WIRE JUMPER | AWG22 1/0.65 SN 7.5 AUTO  |
| JW68 | W581GY7595 | WIRE JUMPER | AWG22 1/0.65 SN 7.5 AUTO  |

| LOC  | PART-CODE  | PART-NAME     | PART-DESCRIPTION          |
|------|------------|---------------|---------------------------|
| JW69 | W581GY1505 | WIRE JUMPER   | AWG22 1/0.65 GY 15 AUTO   |
| JW70 | W581GY1505 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW71 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW72 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW73 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW74 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW75 | W581GY12J5 | WIRE JUMPER   | AWG22 1/0.65 SN 12.5 AUTO |
| JW76 | W581GY1505 | WIRE JUMPER   | AWG22 1/0.65 SN 15 AUTO   |
| JW77 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW78 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW79 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW80 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW81 | W581GY5095 | WIRE JUMPER   | AWG22 1/0.65 SN 5 AUTO    |
| JW82 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW83 | W581GY5095 | WIRE JUMPER   | AWG22 1/0.65 SN 5 AUTO    |
| JW84 | W581GY5095 | WIRE JUMPER   | AWG22 1/0.65 SN 5 AUTO    |
| JW85 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW86 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW87 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW88 | W581GY7595 | WIRE JUMPER   | AWG22 1/0.65 SN 7.5 AUTO  |
| JW89 | W581GY7595 | WIRE JUMPER   | AWG22 1/0.65 SN 7.5 AUTO  |
| JW90 | W581GY7595 | WIRE JUMPER   | AWG22 1/0.65 SN 7.5 AUTO  |
| JW91 | W581GY1507 | WIRE JUMPER   | AWG22 1/0.65 SN 10-15-10  |
| JW92 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW93 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW94 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW95 | W581GY1505 | WIRE JUMPER   | AWG22 1/0.65 SN 15 AUTO   |
| JW96 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW97 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| JW98 | W581GY1005 | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO   |
| J502 | 9736320500 | JACK SPEAKER  | CJ-9007-040               |
| J602 | 9CD6313700 | JACK RCA      | S-436P                    |
| L601 | 5LC333K505 | COIL CHOKE    | 33MH                      |
| L602 | 5LC333K505 | COIL CHOKE    | 33MH                      |
| L603 | 5L0503K643 | COIL BIAS OSC | SM-10F 5.04MH             |
| L604 | 5LC333K505 | COIL CHOKE    | 33MH                      |
| L605 | 5LC333K505 | COIL CHOKE    | 33MH                      |
| L993 | 5LC689L778 | COIL CHOKE    | 6.8MH                     |
| L994 | 5LC689L778 | COIL CHOKE    | 6.8MH                     |
| PT01 | 5TPF066659 | POWER TRANS   | E1 = 66MM 230V/50HZ       |
| Q501 | TKTC2878B- | TR            | KTC2878B                  |
| Q502 | TKTC2878B- | TR            | KTC2878B                  |



| LOC   | PART-CODE  | PART-NAME     | PART-DESCRIPTION         |
|-------|------------|---------------|--------------------------|
| Q503  | TZTC2236Y- | TR            | KTC2236-Y (AUTO)         |
| Q504  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q505  | TZTA1266Y- | TR            | KTA1266Y- (AUTO) (1015Y) |
| Q506  | TZTA1266Y- | TR            | KTA1266Y- (AUTO) (1015Y) |
| Q507  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q601  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q602  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q603  | TZTA1266Y- | TR            | KTA1266Y- (AUTO) (1015Y) |
| Q604  | TZTA1266Y- | TR            | KTA1266Y- (AUTO) (1015Y) |
| Q605  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q606  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q607  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q901  | TKTD2058Y- | TR            | KTD2058Y                 |
| Q902  | TKTD2058Y- | TR            | KTD2058Y                 |
| Q903  | TKTD2058Y- | TR            | KTD2058Y                 |
| Q904  | TZTA1266Y- | TR            | KTA1266Y- (AUTO) (1015Y) |
| Q905  | TZTC2236Y- | TR            | KTC2236Y- (AUTO)         |
| Q906  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| RV601 | RV6417222- | R SEMI FIXED  | VM6CK-PV (1S) 2.2K OHM B |
| RY901 | 5SC0201103 | SW RELAY      | HR-CR323 2C-1P DC12V     |
| R501  | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J             |
| R502  | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J             |
| R503  | RD-4Z563JK | R CARBON FILM | 1/4 56K OHM J            |
| R504  | RD-4Z563JK | R CARBON FILM | 1/4 56K OHM J            |
| R505  | RD-4Z100JK | R CARBON FILM | 1/4 10 OHM J             |
| R506  | RD-4Z100JK | R CARBON FILM | 1/4 10 OHM J             |
| R507  | RD-4Z229JK | R CARBON FILM | 1/4 2.2 OHM J            |
| R508  | RD-4Z229JK | R CARBON FILM | 1/4 2.2 OHM J            |
| R511  | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J           |
| R512  | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J           |
| R513  | RD-4Z104JK | R CARBON FILM | 1/4 100K OHM J           |
| R515  | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J            |
| R516  | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J            |
| R517  | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J             |
| R518  | RD-4Z273JK | R CARBON FILM | 1/4 27K OHM J            |
| R519  | RD-4Z124JK | R CARBON FILM | 1/4 120K OHM J           |
| R520  | RD-4Z154JK | R CARBON FILM | 1/4 150K OHM J           |
| R521  | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J            |
| R522  | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J           |
| R523  | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J           |
| R524  | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J             |
| R601  | RD-4Z273JK | R CARBON FILM | 1/4 27K OHM J            |

| LOC  | PART-CODE  | PART-NAME     | PART-DESCRIPTION   |
|------|------------|---------------|--------------------|
| R602 | RD-4Z273JK | R CARBON FILM | 1/4 27K OHM J      |
| R605 | RD-4Z273JK | R CARBON FILM | 1/4 27K OHM J      |
| R606 | RD-4Z273JK | R CARBON FILM | 1/4 27K OHM J      |
| R607 | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J       |
| R608 | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J       |
| R609 | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J       |
| R610 | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J       |
| R611 | RD-4Z101JK | R CARBON FILM | 1/4 100 OHM J 26MM |
| R612 | RD-4Z101JK | R CARBON FILM | 1/4 100 OHM J 26MM |
| R613 | RD-4Z682JK | R CARBON FILM | 1/4 6.8K OHM J     |
| R614 | RD-4Z682JK | R CARBON FILM | 1/4 6.8K OHM J     |
| R615 | RD-4Z184JK | R CARBON FILM | 1/4 180K OHM J     |
| R616 | RD-4Z184JK | R CARBON FILM | 1/4 180K OHM J     |
| R617 | RD-4Z682JK | R CARBON FILM | 1/4 6.8K OHM J     |
| R618 | RD-4Z682JK | R CARBON FILM | 1/4 6.8K OHM J     |
| R619 | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J     |
| R620 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J      |
| R621 | RD-4Z184JK | R CARBON FILM | 1/4 180K OHM J     |
| R622 | RD-4Z184JK | R CARBON FILM | 1/4 180K OHM J     |
| R623 | RD-4Z271JK | R CARBON FILM | 1/4 270 OHM J      |
| R624 | RD-4Z271JK | R CARBON FILM | 1/4 270 OHM J      |
| R625 | RD-4Z334JK | R CARBON FILM | 1/4 330K OHM J     |
| R626 | RD-4Z334JK | R CARBON FILM | 1/4 330K OHM J     |
| R627 | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J       |
| R628 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J      |
| R629 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J      |
| R630 | RD-4Z332JK | R CARBON FILM | 1/4 3.3K OHM J     |
| R631 | RD-4Z332JK | R CARBON FILM | 1/4 3.3K OHM J     |
| R632 | RD-4Z124JK | R CARBON FILM | 1/4 120K OHM J     |
| R633 | RD-4Z124JK | R CARBON FILM | 1/4 120K OHM J     |
| R634 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J      |
| R635 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J      |
| R636 | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J     |
| R638 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J      |
| R639 | RD-4Z221JK | R CARBON FILM | 1/4 220 OHM J      |
| R640 | RD-4Z823JK | R CARBON FILM | 1/4 82K OHM J      |
| R641 | RD-4Z474JK | R CARBON FILM | 1/4 470K OHM J     |
| R642 | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J       |
| R643 | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J       |
| R644 | RD-4Z680JK | R CARBON FILM | 1/4 68 OHM J       |
| R645 | RD-4Z474JK | R CARBON FILM | 1/4 470K OHM J     |
| R646 | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J       |

| LOC   | PART-CODE  | PART-NAME     | PART-DESCRIPTION       |
|-------|------------|---------------|------------------------|
| R647  | RD-470JK   | R CARBON FILM | 1/4 47 OHM J 26MM      |
| R648  | RD-4Z101JK | R CARBON FILM | 1/4 100 OHM J 26MM     |
| R649  | RD-4Z101JK | R CARBON FILM | 1/4 100 OHM J 26MM     |
| R650  | RD-4Z104JK | R CARBON FILM | 1/4 100K OHM J         |
| R651  | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J          |
| R652  | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J         |
| R653  | RD-4Z331JK | R CARBON FILM | 1/4 330 OHM J          |
| R654  | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J          |
| R655  | RD-4Z182JK | R CARBON FILM | 1/4 1.8K OHM J         |
| R656  | RD-4Z332JK | R CARBON FILM | 1/4 3.3K OHM J         |
| R657  | RD-4Z330JK | R CARBON FILM | 1/4 33 OHM J           |
| R658  | RD-4Z100JK | R CARBON FILM | 1/4 10 OHM J           |
| R659  | RD-4Z121JK | R CARBON FILM | 1/4 120 OHM J          |
| R660  | RD-4Z479JK | R CARBON FILM | 1/4 4.7 OHM J          |
| R661  | RD-4Z183JK | R CARBON FILM | 1/4 18K OHM J          |
| R662  | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J          |
| R663  | RD-4Z563JK | R CARBON FILM | 1/4 56K OHM J          |
| R664  | RD-4Z123JK | R CARBON FILM | 1/4 12K OHM J          |
| R665  | RD-4Z123JK | R CARBON FILM | 1/4 12K OHM J          |
| R666  | RD-4Z562JK | R CARBON FILM | 1/4 5.6K OHM J         |
| R667  | RD-4Z562JK | R CARBON FILM | 1/4 5.6K OHM J         |
| R668  | RD-4Z153JK | R CARBON FILM | 1/4 15K OHM J          |
| R669  | RD-4Z682JK | R CARBON FILM | 1/4 6.8K OHM J         |
| R670  | RD-4Z822JK | R CARBON FILM | 1/4 8.2K OHM J         |
| R671  | RD-4Z822JK | R CARBON FILM | 1/4 8.2K OHM J         |
| R691  | RD-4Z561JK | R CARBON FILM | 1/4 560 OHM J          |
| R901  | RD02Z180JK | R CARBON FILM | 2W 18 OHM J            |
| R902  | RD-4Z562JK | R CARBON FILM | 1/4 5.6K OHM J         |
| R903  | RD-4Z221JK | R CARBON FILM | 1/4 220 OHM J          |
| R904  | RD-4Z471JK | R CARBON FILM | 1/4 470 OHM J          |
| R905  | RD-4Z471JK | R CARBON FILM | 1/4 470 OHM J          |
| R906  | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J         |
| R907  | RD-4Z331JK | R CARBON FILM | 1/4 330 OHM J          |
| R908  | RD02Z330JK | R CARBON FILM | 2W 33 OHM J            |
| R909  | RD-4Z562JK | R CARBON FILM | 1/4 5.6K OHM J         |
| R910  | RD-4Z221JK | R CARBON FILM | 1/4 220 OHM J          |
| R911  | RD-4Z221JK | R CARBON FILM | 1/4 220 OHM J          |
| R991  | RD-4Z479JK | R CARBON FILM | 1/4 4.7 OHM J          |
| R992  | RD-4Z479JK | R CARBON FILM | 1/4 4.7 OHM J          |
| S1    | 5S30602329 | SW SLIDE      | SSCK106S0E             |
| TP-15 | 9716404000 | PIN WRAPPING  | MFZN1.1 × 1.1 PANASERT |
| TP-16 | 9716404000 | PIN WRAPPING  | MFZN1.1 × 1.1 PANASERT |

| LOC   | PART-CODE  | PART-NAME      | PART-DESCRIPTION        |
|-------|------------|----------------|-------------------------|
| TP17  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT  |
| TP18  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT  |
| TP19  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT  |
| TP20  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT  |
| TP21  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT  |
| TP22  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT  |
| TP23  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT  |
| TP24  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT  |
| TP25  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT  |
| TP26  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT  |
| W901  | W144BK2615 | WIRE LEAD      | AWG26 7/0.16 BK 5-260-5 |
| W902  | W144BK1415 | WIRE LEAD      | AWG26 7/0.16 BK 5-140-5 |
| W903  | W144BK9005 | WIRE LEAD      | AWG26 7/0.16 BK 5-90-5  |
| W904  | W144BK5005 | WIRE LEAD 1007 | AWG26 7/0.16 BK 5-50-5  |
| 00010 | 9CD4401500 | HEAT SINK      | AL                      |
| 00020 | 9CD4400900 | HEAT SINK TR   | BSB H35                 |
| 00030 | 9CD2300800 | HOLDER H.S     | ABS                     |

• 9CDC025700 PCB CD AS

| LOC   | PART-CODE  | PART-NAME | PART-DESCRIPTION           |
|-------|------------|-----------|----------------------------|
| CB001 | 9CD6562101 | PCB CD    | 196×220×1.6T               |
| CB001 | 9CD6562001 | PCB MAIN  | 245×197×1.6T               |
| CN701 | 9738814600 | CONN AS   | AWG26 210MM 8P 2.0MM       |
| CN702 | 9738815100 | CONN AS   | AWG26 210MM 8P 2.0MM RED   |
| CN703 | 9738814200 | CONN AS   | AWG26 280MM 6P 2.0MM       |
| CN704 | 9738814100 | CONN AS   | AWG26 250MM 5P 2.0MM       |
| CN709 | 9738815300 | CONN AS   | 15P CFG1115-0101           |
| CN710 | 9738815200 | CONN AS   | 13P CFG1113-0101           |
| C701  | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5        |
| C702  | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5        |
| C703  | CMXM1H222J | C MYLAR   | 50V 2200PF J               |
| C704  | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5        |
| C705  | CCKF1H104Z | C CERA    | HIKF 50V 0.1MF Z AXL 26MM  |
| C706  | CMXM1H333J | C MYLAR   | 50V 0.33MF J               |
| C708  | CMXM1H103J | C MYLAR   | 50V 0.01MF J               |
| C709  | CEXE1E478A | C ELECTRO | RS 50V 0.47MF 5×11         |
| C710  | CMXM1H103J | C MYLAR   | 50V 0.01MF J               |
| C713  | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5        |
| C714  | CCKF1H104Z | C CERA    | HIKF 50V 0.1MF Z AXL 26MM  |
| C715  | CMXM1H333J | C MYLAR   | 50V 0.033MF J              |
| C716  | CMXM1H333J | C MYLAR   | 50V 0.033MF J              |
| C717  | CMXM1H473J | C MYLAR   | 50V 0.047MF J              |
| C718  | CMXM1H222J | C MYLAR   | 50V 2200PF J               |
| C719  | CMXM1H104J | C MYLAR   | 50V 0.1MF J                |
| C720  | CMXM1H104J | C MYLAR   | 50V 0.1MF J                |
| C721  | CEXE1H339A | C ELECTRO | RS 50V 3.3MF 5×11          |
| C722  | CMXM1H333J | C MYLAR   | 50V 0.033MF J              |
| C723  | CCKB1H151K | C CERA    | HIKB 50V 150PF K AXL 26MM  |
| C725  | CMXM1H183J | C MYLAR   | 50V 0.018MF J              |
| C726  | CMXM1H683J | C MYLAR   | 50V 0.068MF J              |
| C727  | CEXE1H100A | C ELECTRO | RS 50V 10MF 5×11           |
| C728  | CEXE1E470A | C ELECTRO | RS 25V 47MF 6.3×11         |
| C729  | CEXE1E470A | C ELECTRO | RS 25V 47MF 6.3×11         |
| C730  | CMXM1H102J | C MYLAR   | 50V 0.001MF J              |
| C731  | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5        |
| C732  | CCKF1H104Z | C CERA    | HIKF 50V 0.1MF Z AXL 26MM  |
| C733  | CEXE1H109A | C ELECTRO | RS 50V 1MF 5×11            |
| C734  | CEXE1H478A | C ELECTRO | RS 50V 0.47MF 5×11         |
| C735  | CCKF1H104Z | C CERA    | HIKF 50V 0.1MF Z AXL 26MM  |
| C736  | CEXE1E470A | C ELECTRO | RS 25V 47MF 6.3×11         |
| C737  | CCKB1H102K | C CERA    | HIKB 50V 1000PF K AXL 26MM |

| LOC    | PART-CODE  | PART-NAME | PART-DESCRIPTION          |
|--------|------------|-----------|---------------------------|
| C738   | CMXM1H333J | C MYLAR   | 50V 0.033MF J             |
| C739   | CEXE1H478A | C ELECTRO | RS 50V 0.47MF 5×11        |
| C740   | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5       |
| C741   | CCKF1H104Z | C CERA    | HIKF 50V 0.1MF Z AXL 26MM |
| C742   | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5       |
| C743   | CCKF1H104Z | C CERA    | HIKF 50V 0.1MF Z AXL 26MM |
| C746   | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5       |
| C747   | CCKF1H104Z | C CERA    | HIKF 50V 0.1MF Z AXL 26MM |
| C749   | CCKB1H681K | C CERA    | HIKB 50V 680PF K AXL 26MM |
| C750   | CCKF1H104Z | C CERA    | HIKF 50V 0.1MF Z AXL 26MM |
| C751   | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5       |
| C751L  | CMXM1H682J | C MYLAR   | 50V 0.0068MF J            |
| C751R  | CMXM1H682J | C MYLAR   | 50V 0.0068MF J            |
| C752L  | CKCK1H809K | C CERA    | CH 50V 8PF K AXL 26MM     |
| C753R  | CKCK1H809K | C CERA    | CH 50V 8PF K AXL          |
| C754L  | CEXE1H100A | C ELECTRO | RS 50V 10MF 5×11          |
| C754R  | CEXE1H100A | C ELECTRO | RS 50V 10MF 5×11          |
| C755L  | CEXE1H109A | C ELECTRO | RS 50V 1MF 5×11           |
| C755R  | CEXE1H109A | C ELECTRO | RS 50V 1FM 5×11           |
| CC756L | CEXE1H109A | C ELECTRO | RS 50V 1MF 5×11           |
| C756R  | CEXE1H109A | C ELECTRO | RS 50V 1MF 5×11           |
| C757   | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5       |
| C758   | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5       |
| C760   | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5       |
| C761   | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5       |
| C762   | CEXE1E470A | C ELECTRO | RS 25V 47MF 6.3×11        |
| C763   | CCKF1H104Z | C CERA    | HIKF 50V 0.1MF Z AXL 26MM |
| C765   | CKCH1H220J | C CERA    | CH 50V 22PF J AXL 26MM    |
| C766   | CKCH1H220J | C CERA    | CH 50V 22PF J AXL 26MM    |
| C767   | CEXE1E101A | C ELECTRO | RS 25V 100MF 8411.5       |
| C768   | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5       |
| C769   | CEXE1H109A | C ELECTRO | RS 50V 1MF 5×11           |
| C770   | CEXE1H339A | C ELECTRO | RS 50V 3.3MF 5×11         |
| C791   | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C791   | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C793   | CEXE1E101A | C ELECTRO | RS 25V 100MF 8×11.5       |
| C801   | CKCH1H150J | C CERA    | CH 50V 15PF J AXL 26MM    |
| C802   | CKCH1H150J | C CERA    | CH 50V 15PF J AXL 26MM    |
| C803   | CKCH1H150J | C CERA    | CH 50V 15PF J AXL 26MM    |
| C804   | CKCH1H150J | C CERA    | CH 50V 15PF J AXL 26MM    |
| C805   | CCKF1H104Z | C CERA    | HIKF 50V 0.1MF Z AXL 26MM |
| C806   | CCKF1H104Z | C CERA    | HIKF 50V 0.1MF Z AXL 26MM |

| LOC   | PART-CODE  | PART-NAME   | PART-DESCRIPTION        |
|-------|------------|-------------|-------------------------|
| C807  | CEXE1E101A | C ELECTRO   | RS 25V 100MF 8=11.5     |
| D701  | DKSS133--- | DIODE       | 1SS133 AUTO 26MM        |
| D702  | DKTZ5R6A-- | DIODE ZENER | MTZ-5.6 26MM TAPPING    |
| D703  | DKTZ5R6A-- | DIODE ZENER | MTZ-5.6 26MM TAPPING    |
| D704  | DKTZ5R6A-- | DIODE ZENER | MTZ-5.6 26MM TAPPING    |
| D705  | DKSS133--- | DIODE       | 1SS133 AUTO 26MM        |
| D706  | DKSS133--- | DIODE       | 1SS133 AUTO 26MM        |
| D791  | DKSS133--- | DIODE       | 1SS133 AUTO 26MM        |
| D801  | DKSS133--- | DIODE       | 1SS133 AUTO 26MM        |
| D802  | DKSS133--- | DIODE       | 1SS133 AUTO 26MM        |
| D803  | DKSS133--- | DIODE       | 1SS133 AUTO 26MM        |
| D804  | DKSS133--- | DIODE       | 1SS133 AUTO 26MM        |
| D806  | DKSS133--- | DIODE       | 1SS133 AUTO 26MM        |
| D807  | DKSS133--- | DIODE       | 1SS133 AUTO 26MM        |
| D808  | DKSS133--- | DIODE       | 1SS133 AUTO 26MM        |
| D814  | DKSS133--- | DIODE       | 1SS133 AUTO 26MM        |
| IC701 | 1CXA1081M- | IC          | CXA1081M                |
| IC701 | 1CXA1082BQ | IC          | CXA1082BQ               |
| IC703 | 1KS5990--- | IC          | KS5990                  |
| IC704 | 1KDA0316N- | IC          | KDA0361N                |
| IC705 | 1MC3403N-- | IC          | MC3403N                 |
| IC706 | 1K1A7029P- | IC RESET    | KIA7029P                |
| IC707 | 1LC7582A-- | IC DRIVER   | LC7582A                 |
| IC801 | 1UPD78042G | IC          | UPD78042                |
| JW001 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW002 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW003 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW004 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW005 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW006 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW007 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW008 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW009 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW010 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW011 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW012 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW013 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW014 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW015 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW016 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW017 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW018 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |

| LOC   | PART-CODE  | PART-NAME   | PART-DESCRIPTION        |
|-------|------------|-------------|-------------------------|
| JW019 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW020 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW021 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW022 | W581GY5095 | WIRE JUMPER | AWG22 1/0.65 SN 5 AUTO  |
| JW023 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW024 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW025 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW026 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW027 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW028 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW029 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW030 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW031 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW032 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW033 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW034 | W581GY5095 | WIRE JUMPER | AWG22 1/0.65 SN 5 AUTO  |
| JW035 | W581GY7095 | WIRE JUMPER | AWG22 1/0.65 SN 7 AUTO  |
| JW036 | W581GY7095 | WIRE JUMPER | AWG22 1/0.65 SN 7 AUTO  |
| JW037 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW038 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW039 | W581GY7095 | WIRE JUMPER | AWG22 1/0.65 SN 7 AUTO  |
| JW040 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW041 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW042 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW043 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW044 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW045 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW046 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW047 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW048 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW049 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW050 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW051 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW052 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW054 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW055 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW056 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW057 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW058 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW059 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW060 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW061 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |



| LOC   | PART-CODE  | PART-NAME   | PART-DESCRIPTION        |
|-------|------------|-------------|-------------------------|
| JW062 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW063 | W581GY5095 | WIRE JUMPER | AWG22 1/0.65 SN 5 AUTO  |
| JW064 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW065 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW066 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW067 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW068 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW069 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW070 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW071 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW072 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW073 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW074 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW075 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW076 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW077 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW078 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW079 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW080 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW081 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW082 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW083 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW084 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW085 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW086 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW087 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW088 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW089 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW090 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW091 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW092 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW093 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW094 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW095 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW096 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW097 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW098 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW099 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW100 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW101 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW102 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |
| JW103 | W581GY1005 | WIRE JUMPER | AWG22 1/0.65 SN 10 AUTO |

| LOC   | PART-CODE   | PART-NAME     | PART-DESCRIPTION         |
|-------|-------------|---------------|--------------------------|
| JW104 | W581GY1005  | WIRE JUMPER   | AWG 22 1/0.65 SN 10 AUTO |
| JW105 | W581GY1005  | WIRE JUMPER   | AWG22 1/0.65 SN 10 AUTO  |
| LCD01 | DLE0696AP-  | LCD           | LE-0696AP                |
| LP001 | 9CD8204000  | LAMP          | 6.2V 200MA               |
| LP002 | 9CD8204000  | LAMP          | 6.2V 200MA               |
| L701L | 5P10CG962-  | FILTER LC     | 10C-36-G962 20KHZ LPE    |
| L701R | 5P10CG962-  | FILTER LC     | 10C-36-G962 20KHZ LPE    |
| Q701  | TZTA950Y--  | TR            | KTA950Y (AUTO)           |
| Q702  | TZTC23236Y- | TR            | KTC2236-Y (AUTO)         |
| Q703  | TZTA966AY-  | TR            | KTA966A-Y                |
| Q704  | TZTC2236Y-  | TR            | KTC2236-Y (AUTO)         |
| Q705  | TZTA966AY-  | TR            | KTA966A-Y                |
| Q706  | TZTC2236Y-  | TR            | KTC2236-Y (AUTO)         |
| Q707  | TZTA966AY-  | TR            | KTA966A-Y                |
| Q708  | TZTC2236Y-  | TR            | KTC2236-Y (AUTO)         |
| Q709  | TZTA966AY-  | TR            | KTA966A-Y                |
| Q710  | TZTA966AY-  | TR            | KTA966A-Y                |
| Q711  | TZTA966AY-  | TR            | KTA966A-Y                |
| Q712  | TZTC2236Y-  | TR            | KTC2236-Y (AUTO)         |
| Q713  | TZTC2236Y-  | TR            | KTC2236-Y (AUTO)         |
| Q714  | TZTC3198Y-  | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q715  | TZTC3198Y-  | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q716L | TZTC3198Y-  | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q716R | TZTC3198Y-  | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q718  | TZTC3198Y-  | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q719  | TZTA1266Y-  | TR            | KTA1266Y- (AUTO) (1015Y) |
| Q720L | TZTC3198Y-  | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q720R | TZTC3198Y-  | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q722  | TKTD2058Y-  | TR            | KTD2058Y                 |
| Q723  | TZTA1266Y-  | TR            | KTA1266Y- (AUTO) (1015Y) |
| Q724  | TZTC3198Y-  | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q725  | TZTC3198Y-  | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q726  | TZTA966AY-  | TR            | KTA966A-Y                |
| Q727  | TZTC3198Y-  | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q728  | TZTA966AY-  | TR            | KTA966A-Y                |
| Q730  | TZTC3198Y-  | TR            | KTC3198Y- (1815Y) (AUTO) |
| RV701 | RV6417223-  | R SEMI FIXED  | VM6CK-PV (1S) 22K OHM B  |
| RV702 | RV6417223-  | R SEMI FIXED  | VM6CK-PV (1S) 22K OHM B  |
| RV703 | RV6417223-  | R SEMI FIXED  | VM6CK-PV (1S) 22K OHM B  |
| RV704 | RV6417223-  | R SEMI FIXED  | VM6CK-PV (1S) 22K OHM B  |
| RV705 | RV6417222-  | R SEMI FIXED  | VM6CK-PV (1S) 2.2K OHM B |
| R701  | RD-4Z102JK  | R CARBON FILM | 1/4 1K OHM J             |

| LOC  | PART-CODE  | PART-NAME     | PART-DESCRIPTION |
|------|------------|---------------|------------------|
| R702 | RD-4Z220JK | R CARBON FILM | 1/4 22 OHM J     |
| R703 | RD-4Z153JK | R CARBON FILM | 1/4 15K OHM J    |
| R704 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R705 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J    |
| R706 | RD-4Z104JK | R CARBON FILM | 1/4 100K OHM J   |
| R707 | RD-4Z123JK | R CARBON FILM | 1/4 12K OHM J    |
| R708 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R709 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R710 | RD-4Z154JK | R CARBON FILM | 1/4 150K OHM J   |
| R711 | RD-4Z101JK | R CARBON FILM | 1/4 100 OHM J    |
| R712 | RD-4Z229JK | R CARBON FILM | 1/4 2.2K OHM J   |
| R713 | RD-4Z229JK | R CARBON FILM | 1/4 2.2 OHM J    |
| R714 | RD-4Z124JK | R CARBON FILM | 1/4 120K OHM J   |
| R715 | RD-4Z229JK | R CARBON FILM | 1/4 2.2 OHM J    |
| R716 | RD-4Z823JK | R CARBON FILM | 1/4 82K OHM J    |
| R717 | RD-4Z104JK | R CARBON FILM | 1/4 100K OHM J   |
| R718 | RD-4Z822JK | R CARBON FILM | 1/4 8.2K OHM J   |
| R719 | RD-4Z823JK | R CARBON FILM | 1/4 82K OHM J    |
| R720 | RD-4Z229JK | R CARBON FILM | 1/4 2.2 OHM J    |
| R721 | RD-4Z563JK | R CARBON FILM | 1/4 56K OHM J    |
| R722 | RD-4Z514JK | R CARBON FILM | 1/4 510K OHM J   |
| R723 | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R724 | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J     |
| R725 | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J     |
| R728 | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J     |
| R727 | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J     |
| R728 | RD-4Z150JK | R CARBON FILM | 1/4 15 OHM J     |
| R729 | RD-4Z104JK | R CARBON FILM | 1/4 100K OHM J   |
| R730 | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R731 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R732 | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R733 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R734 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R735 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J    |
| R736 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J    |
| R737 | RD-4Z104JK | R CARBON FILM | 1/4 100K OHM J   |
| R738 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J    |
| R739 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R740 | RD-4Z332JK | R CARBON FILM | 1/4 3.3K OHM J   |
| R741 | RD-4Z154JK | R CARBON FILM | 1/4 150K OHM J   |
| R742 | RD-4Z822JK | R CARBON FILM | 1/4 8.2K OHM J   |
| R743 | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J     |

| LOC   | PART-CODE  | PART-NAME     | PART-DESCRIPTION |
|-------|------------|---------------|------------------|
| R744  | RD-4Z221JK | R CARBON FILM | 1/4 220 OHM J    |
| R745  | RD-4Z221JK | R CARBON FILM | 1/4 220 OHM J    |
| R746  | RD-4Z221JK | R CARBON FILM | 1/4 220 OHM J    |
| R747  | RD-4Z221JK | R CARBON FILM | 1/4 220 OHM J    |
| R748  | RD-4Z151JK | R CARBON FILM | 1/4 150 OHM J    |
| R749  | RD-4Z513JK | R CARBON FILM | 1/4 51K OHM J    |
| R750  | RD-4Z332JK | R CARBON FILM | 1/4 3.3K OHM J   |
| R751L | RD-4Z332JK | R CARBON FILM | 1/4 3.3K OHM J   |
| R751R | RD-4Z332JK | R CARBON FILM | 1/4 3.3K OHM J   |
| R752L | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |
| R752R | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |
| R753L | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R753R | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R754L | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J     |
| R754R | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J     |
| R755L | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |
| R755R | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |
| R756L | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R756R | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R757L | RD-4Z152JK | R CARBON FILM | 1/4 1.5K OHM J   |
| R757R | RD-4Z152JK | R CARBON FILM | 1/4 1.5K OHM J   |
| R758L | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R758R | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R759L | RD-4Z682JK | R CARBON FILM | 1/4 6.8K OHM J   |
| R759R | RD-4Z682JK | R CARBON FILM | 1/4 6.8K OHM J   |
| R760L | RD-4Z392JK | R CARBON FILM | 1/4 3.9K OHM J   |
| R760R | RD-4Z392JK | R CARBON FILM | 1/4 3.9K OHM J   |
| R761  | RD-4Z123JK | R CARBON FILM | 1/4 12K OHM J    |
| R762L | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |
| R762R | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |
| R763  | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R768  | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R769  | RD-4Z101JK | R CARBON FILM | 1/4 100 OHM J    |
| R770  | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R771  | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R772  | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R773  | RD-4Z101JK | R CARBON FILM | 1/4 100 OHM J    |
| R774  | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R775  | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J     |
| R776  | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J    |
| R777  | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |
| R778  | RD-4Z682JK | R CARBON FILM | 1/4 6.8K OHM J   |

| LOC   | PART-CODE  | PART-NAME      | PART-DESCRIPTION          |
|-------|------------|----------------|---------------------------|
| R779  | RD-4Z103JK | R CARBON FILM  | 1/4 10K OHM J             |
| R780  | RD-4Z472JK | R CARBON FILM  | 1/4 4.7K OHM J            |
| R781  | RD-4Z472JK | R CARBON FILM  | 1/4 4.7K OHM J            |
| R782  | RD-4Z821JK | R CARBON FILM  | 1/4 820 OHM J             |
| R783  | RD-4Z182JK | R CARBON FILM  | 1/4 1.8K OHM J            |
| R784  | RD02Z829JK | R CARBON FILM  | 2W 8.2 OHM J              |
| R785  | RD-4Z100JK | R CARBON FILM  | 1/4 10 OHM J              |
| R786  | RD-4Z102JK | R CARBON FILM  | 1/4 1K OHM J              |
| R787  | RD-4Z220JK | R CARBON FILM  | 1/4 22 OHM J              |
| R789  | RD02Z101JK | R CARBON FILM  | 2W 100 OHM J              |
| R801  | RD-4Z104JK | R CARBON FILM  | 1/4 100 OHM J             |
| R802  | RD-4Z471JK | R CARBON FILM  | 1/4 470 OHM J             |
| R803  | RD-4Z471JK | R CARBON FILM  | 1/4 470 OHM J             |
| R804  | RD-4Z471JK | R CARBON FILM  | 1/4 470 OHM J             |
| R805  | RD-4Z471JK | R CARBON FILM  | 1/4 470 OHM J             |
| R806  | RD-4Z471JK | R CARBON FILM  | 1/4 470 OHM J             |
| R807  | RD-4Z471JK | R CARBON FILM  | 1/4 470 OHM J             |
| R808  | RD-4Z471JK | R CARBON FILM  | 1/4 470 OHM J             |
| R809  | RD-4Z471JK | R CARBON FILM  | 1/4 470 OHM J             |
| R810  | RD-4Z334JK | R CARBON FILM  | 1/4 330K OHM J            |
| R812  | RD-4Z103JK | R CARBON FILM  | 1/4 10K OHM J             |
| R813  | RD-4Z473JK | R CARBON FILM  | 1/4 47K OHM J             |
| R814  | RD-4Z472JK | R CARBON FILM  | 1/4 4.7K OHM J            |
| R815  | RD-4Z473JK | R CARBON FILM  | 1/4 47K OHM J             |
| TP01  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT    |
| TP02  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT    |
| TP03  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT    |
| TP04  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT    |
| TP05  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT    |
| TP06  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT    |
| TP07  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT    |
| TP08  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT    |
| TP09  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT    |
| TP10  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT    |
| TP11  | 9716404000 | PIN WRAPPING   | MFZN1.1 × 1.1 PANASERT    |
| W101  | W954GY1517 | WIRE JUMPER    | AWG22 2547 4P 150MM       |
| XL701 | 5XA16R934F | CRYSTAL QUARTZ | HC-18/U 16.93440MHZ 50PPM |
| XL801 | 5XA32R768- | CRYSTAL QUARTZ | DT-38 32.768KHZ 20PPM     |
| XL802 | 5PCSA419MG | RESONATOR CERA | CSA-419MG 4.19MHZ         |
| 00010 | 9CD2300600 | HOLDER LCD     | ABS                       |
| 00020 | 9CD0904100 | PLATE LCD      | PVC T1.0 (MILKY)          |
| 00030 | 9CD4000300 | BUSHING LAMP   | SI-RUBBER                 |
| 00040 | 9CD4400900 | HEATSINK TR    | BSB H35                   |
| 00050 | 7173301011 | SCREW TAPPTITE | TT2 BIN 3 × 10 MFZN       |

• 9CDC025600 PCB TUNER AS

| LOC   | PART-CODE  | PART-NAME      | PART-DESCRIPTION             |
|-------|------------|----------------|------------------------------|
| CB101 | 9CD6562200 | PCB TUNER      | 163×123×1.6T                 |
| CF001 | 5PE107MJA- | FILTER CERA    | SFE 10.7MHZ RED              |
| CF002 | 5PE107MJA- | FILTER CERA    | SFE 10.7MHZ RED              |
| CF201 | 5PSFZ450HL | FILTER CERAMIC | SFZ450HL                     |
| CF202 | 5PC107MG16 | FILTER CERAMIC | CDA10.7MG16                  |
| CF203 | 5PSB456F29 | FILTER CERA    | CSB456F29                    |
| CN001 | 9738812300 | CONN AS        | AWG26 2P (SHIELD) + 2P 310MM |
| CN002 | 9738812400 | CONN AS        | AWG26 2P (SHIELD) × 2 420MM  |
| CN003 | 9738812500 | CONN AS        | AWG26 1P 250MM               |
| C001  | CBKY1C103M | C CERA SEMI    | HIKY 16V 0.01MF M 26MM       |
| C005  | CKSL1H509K | C CERA         | SL 50V 5PF K AXIAL 26MM      |
| C006  | CKSL1H330K | C CERA         | HIKB 50V 33PF J              |
| C007  | CBKY1H102K | C CERA         | HIKY 16V 0.001MF             |
| C101  | CBKY1C103M | C CERA SEMI    | HIKY 16V 0.01MF M 26MM       |
| C103  | CCKF1H473Z | C CERA         | HIKF 50V 0.047MF Z AXL 26    |
| C104  | CBKY1C103M | C CERA SEMI    | HIKY 16V 0.01MF M 26MM       |
| C105  | CCKB1H101K | C CERA         | HIKB 50V 100PF K AXL 26MM    |
| C106  | CCKF1H473Z | C CERA         | HIKF 50V 0.047MF Z AXL 26    |
| C108  | CSYS1H361J | C STYROL       | 50V 360PF J                  |
| C110  | CCKB1H121K | C CERA         | HIKB 50V 120PF K AXL 26MM    |
| C111  | CSYS1H201J | C STYROL       | 50V 200PF J                  |
| C113  | CEXE1E470A | C ELECTRO      | RS 25V 47MF 6.3×11           |
| C115  | CCKF1E223Z | C CERA         | HIKF 25V 0.022MF Z AXL 26    |
| C116  | CCKF1E223Z | C CERA         | HIKF 25V 0.022MF Z AXL 26    |
| C117  | CBKY1C103M | C CERA SEMI    | HIKY 16V 0.01MF M 26MM       |
| C119  | CCKF1E223Z | C CERA         | HIKF 25V 0.022MF Z AXL 26    |
| C120  | CBKY1C103M | C CERA SEMI    | HIKY 16V 0.01MF M 26MM       |
| C121  | CEXE1E470A | C ELECTRO      | RS 25V 47MF 6.3×11           |
| C122  | CCKF1E223Z | C CERA         | HIKF 25V 0.022MF Z AXL 26    |
| C123  | CCKF1E223Z | C CERA         | HIKF 25V 0.022MF Z AXL 26    |
| C124  | CCKF1E223Z | C CERA         | HIKF 25V 0.022MF Z AXL 26    |
| C125  | CCKF1E223Z | C CERA         | HIKF 25V 0.022MF Z AXL 26    |
| C126  | CBKY1C103M | C CERA SEMI    | HIKY 16V 0.01MF M 26MM       |
| C128  | CCKB1H102K | C CERA         | HIKB 50V 1000PF K AXL 26MM   |
| C130  | CCKF1E223Z | C CERA         | HIKF 25V 0.022MF Z AXL 26    |
| C131  | CCKF1E223Z | C CERA         | HIKF 25V 0.022MF Z AXL 26    |
| C201  | CCKB1H101K | C CERA         | HIKF 50V 100PF K AXL 26MM    |
| C202  | CMXM1H153J | C MYLAR        | 50V 0.015MF J TAPPING        |
| C203  | CEXE1H100A | C ELECTRO      | RS 50V 10MF 5×11             |
| C204  | CEXE1H100A | C ELECTRO      | RS 50V 10MF 5×11             |
| C205  | CMXM1H823J | C MYLAR        | 50V 0.082MF J                |

| LOC   | PART-CODE  | PART-NAME         | PART-DESCRIPTION          |
|-------|------------|-------------------|---------------------------|
| C206  | CMXM1H683J | C MYLAR           | 50V 0.068MF J             |
| C207  | CMXM1H823J | C MYLAR           | 50V 0.082MF J             |
| C208  | CMXM1H153J | C MYLAR           | 50V 0.015MF J TAPPING     |
| C209  | CEXE1H229A | C ELECTRO         | RS 50V 2.2MF 5×11         |
| C210  | CCKB1H102K | C CERA            | HIKB 50V 1000PF K AXL 26M |
| C212  | CEXE1E470A | C ELECTRO         | RS 25V 47MF 6.3×11        |
| C213  | CCKF1E223Z | C CERA            | HIKF 25V 0.022MF Z AXL 26 |
| C214  | CEXE1H100A | C ELECTRO         | RS 50V 10MF 5×11          |
| C215  | CCKF1E223Z | C CERA            | HIKF 25V 0.022MF Z AXL 26 |
| C216  | CCKF1E223Z | C CERA            | HIKF 25V 0.022MF Z AXL 26 |
| C217  | CMXM1H153J | C MYLAR           | 50V 0.015MF J TAPPING     |
| C218  | CMXM1H103J | C MYLAR           | 50V 0.01MF J              |
| C219  | CMXM1H103J | C MYLAR           | 50V 0.01MF J              |
| C220  | CEXE1H478A | C ELECTRO         | RS 50V 0.47MF 5×11        |
| C221  | CBKY1C103M | C CERA SEMI       | HIKY 16V 0.01MF M 26MM    |
| C222  | CKSL1H270J | C CERA            | SL 50V 27PF               |
| C223  | CCKB1H121K | C CERA            | HIKB 50V 120PF            |
| C224  | CBKX1C272M | C CERA SEMI       | HIKX 16V 0.0027UF         |
| C226  | CKCH1H220J | C CERA            | CH 50V 22PF J AXL 26MM    |
| C227  | CKCH1H220J | C CERA            | CH 50V 22PF J AXL 26MM    |
| C228  | CEXE1H470A | C ELECTRO         | RS 50V 47MF 8×11.5        |
| C229  | CCKF1E223Z | C CERA            | HIKF 25V 0.022MF Z AXL 26 |
| C230  | CEXE1E470A | C ELECTRO         | RS 25V 47MF 6.3×11        |
| C231  | CCKF1E223Z | C CERA            | HIKF 25V 0.022MF Z AXL 26 |
| C232  | CKSL1H560J | C CERA            | SL 50V 56PF J AXL 26MM    |
| C233  | CCKF1E223Z | C CERA            | HIKF 25V 0.022MF Z AXL 26 |
| C234  | CEXE1E470A | C ELECTRO         | RS 25V 47MF 6.3×11        |
| C235  | CCKF1E223Z | C CERA            | HIKF 25V 0.022MF Z AXL 26 |
| D001  | DKSS133--- | DIIDE             | 1SS133 AUTO 26MM          |
| D002  | DKSS133--- | DIODE             | 1SS133 AUTO 26MM          |
| D101  | D1SV149--- | DIODE             | 1SV-149                   |
| D102  | D1SV149--- | DIODE             | 1SV-149                   |
| D103  | D1SV149--- | DIODE             | 1SV-149                   |
| D104  | D1SV149--- | DIODE             | 1SV-149                   |
| D201  | DKTZ6R2A-- | DIODE ZENER       | MTZ-6.2 26MM TAPPING      |
| IC201 | 1TA2007AN- | IC                | TA2007AN                  |
| IC202 | 1LC7218--- | IC PLL            | LC7218                    |
| L001  | 5LR0000776 | COIL RF           | P10.8×5×3 1/2 (SPRING)    |
| L101  | 5LA211K648 | COIL LW ANT MATCH | 210UH 10MM                |
| L102  | 5LA212K649 | COIL LW ANT MATCH | 2.1MH 10MM                |
| L103  | 5L0135J376 | COIL MW OSC       | RED 7×7 (MARKING M0.376)  |
| L104  | 5L00000498 | COIL LW OSC       | 7×7 BR 420MH K            |

| LOC  | PART-CODE  | PART-NAME     | PART-DESCRIPTION         |
|------|------------|---------------|--------------------------|
| Q001 | TZTC3194Y- | TR            | KTC3149Y                 |
| Q101 | TZTC3194Y- | TR            | KTC3194Y                 |
| Q102 | TZTC3194Y- | TR            | KTC3194Y                 |
| Q103 | TZTC3194Y- | TR            | KTC3194Y                 |
| Q104 | TZTC3194Y- | TR            | KTC3194Y                 |
| Q105 | TKTK161Y-- | FET           | KTK161(Y)                |
| Q106 | TZTC3194Y- | TR            | KTC3194Y                 |
| Q201 | TZTA1266Y- | TR            | KTA1266Y- (AUTO) (1015Y) |
| Q202 | TZTA1266Y- | TR            | KTA1266Y- (AUTO) (1015Y) |
| Q203 | TZTA1266Y- | TR            | KTA1266Y- (AUTO) (1015Y) |
| Q204 | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q205 | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q206 | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q207 | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q208 | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q209 | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q210 | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q213 | TZTC2236Y- | TR            | KSC945-Y (AUTO)          |
| Q214 | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q215 | TZTC3198Y- | TR            | KTC3198Y- (1015Y) (AUTO) |
| R003 | RD-4Z121JK | R CARBON FILM | 1/4 120 OHM J            |
| R004 | RD-4Z100JK | R CARBON FILM | 1/4 10 OHM J             |
| R005 | RD-4Z562JK | R CARBON FILM | 1/4 5.6K OHM J           |
| R006 | RD-4Z561JK | R CARBON FILM | 1/4 560 OHM J            |
| R007 | RD-4Z332JK | R CARBON FILM | 1/4 3.3K OHM J           |
| R008 | RD-4Z101JK | R CARBON FILM | 1/4 100 OHM J 26MM       |
| R009 | RD-4Z681JK | R CARBON FILM | 1/4 680 OHM J            |
| R101 | RD-4Z104JK | R CARBON FILM | 1/4 100K OHM J           |
| R102 | RD-4Z104JK | R CARBON FILM | 1/4 100K OHM J           |
| R103 | RD-4Z104JK | R CARBON FILM | 1/4 100K OHM J           |
| R104 | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J           |
| R105 | RD-4Z104JK | R CARBON FILM | 1/4 100K OHM J           |
| R107 | RD-4Z104JK | R CARBON FILM | 1/4 1M OHM J             |
| R108 | RD-4Z182JK | R CARBON FILM | 1/4 1.8K OHM J           |
| R109 | RD-4Z104JK | R CARBON FILM | 1/4 100K OHM J           |
| R110 | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J           |
| R111 | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J             |
| R112 | RD-4Z564JK | R CARBON FILM | 1/4 560 OHM J            |
| R113 | RD-4Z153JK | R CARBON FILM | 1/4 15 OHM J             |
| R114 | RD-4Z220JK | R CARBON FILM | 1/4 22 OHM J             |
| R115 | RD-4Z153JK | R CARBON FILM | 1/4 15K OHM J            |
| R116 | RD-4Z683JK | R CARBON FILM | 1/4 68K OHM J            |



| LOC  | PART-CODE  | PART-NAME     | PART-DESCRIPTION |
|------|------------|---------------|------------------|
| R117 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R117 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R118 | RD-4Z331JK | R CARBON FILM | 1/4 330 OHM J    |
| R201 | RD-4Z683JK | R CARBON FILM | 1/4 68K OHM J    |
| R202 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J    |
| R203 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J    |
| R204 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R205 | RD-4Z682JK | R CARBON FILM | 1/4 6.8K OHM J   |
| R206 | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |
| R207 | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |
| R208 | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |
| R209 | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |
| R212 | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J   |
| R213 | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J   |
| R214 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J    |
| R215 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J    |
| R218 | RD-4Z331JK | R CARBON FILM | 1/4 330 OHM J    |
| R219 | RD-4Z682JK | R CARBON FILM | 1/4 6.8K OHM J   |
| R220 | RD-4Z682JK | R CARBON FILM | 1/4 6.8K OHM J   |
| R221 | RD-4Z682JK | R CARBON FILM | 1/4 6.8K OHM J   |
| R222 | RD-4Z331JK | R CARBON FILM | 1/4 330 OHM J    |
| R223 | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J   |
| R224 | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R225 | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R226 | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R227 | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |
| R228 | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |
| R229 | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |
| R230 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R231 | RD-4Z100JK | R CARBON FILM | 1/4 10 OHM J     |
| R232 | RD-4Z100JK | R CARBON FILM | 1/4 10 OHM J     |
| R233 | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R234 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R235 | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R236 | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R238 | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R239 | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R240 | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J    |
| R241 | RD-4Z100JK | R CARBON FILM | 1/4 10 OHM J     |
| R242 | RD-4Z391JK | R CARBON FILM | 1/4 390 OHM J    |
| R244 | RD-4Z103JK | R CARBON FILM | 1/4 10K OHM J    |
| R246 | RD-4Z472JK | R CARBON FILM | 1/4 4.7K OHM J   |

| LOC   | PART-CODE  | PART-NAME      | PART-DESCRIPTION         |
|-------|------------|----------------|--------------------------|
| R247  | RD-4Z472JK | R CARBON FILM  | 1/4 4.7K OHM J           |
| SH01  | 9CD3301800 | SHIELD TUNER   | FIBER                    |
| S101  | 5S50101008 | SW TACT        | KPT-1105V 1C-1P          |
| TC101 | 9737611500 | TRIMMER        | 5 PI 10PF                |
| TC102 | 9737611600 | TRIMMER        | 5 PI 20PF                |
| TU001 | 9737611400 | TUNER PACK     | FTH4-503H                |
| T201  | 5107YW143  | IFT AM         | 7×7 7MC-45050N-KR YELLOW |
| W001  | W144BK4005 | WIRE LEAD      | AWG26 17/0.16 BK 5-40-5  |
| W002  | W144BK3005 | WIRE LEAD      | AWG26 7/0.16 BK 5-30-5   |
| W003  | W144BK3005 | WIRE LEAD      | AWG26 7/0.16 BK 5-30-5   |
| W004  | W144BK3005 | WIRE LEAD      | AWG26 7/0.16 BK 5-30-5   |
| W005  | W144BK3005 | WIRE LEAD      | AWG26 7/0.16 BK 5-30-5   |
| W006  | W144BK3005 | WIRE LEAD      | AWG25 7/0.16 BK 5-30-5   |
| W007  | W144BK3005 | WIRE LEAD      | AWG25 7/0.16 BK 5-30-5   |
| X201  | 5XA7R2000D | CRYSTAL QUARTZ | HC-18/U 7.200000MHZ 25PP |

#### 9CDC025900 PCB EQ AS

| LOC   | PART-CODE  | PART-NAME | PART-DESCRIPTION       |
|-------|------------|-----------|------------------------|
| 13000 | 9CDC025900 | PCB EQ AS | AMI-312V               |
| CB001 | 9CD6562300 | PCB EQ    | 65×230×1.6T            |
| CN401 | 9738812900 | CONN AS   | AWG26 310MM 9P         |
| CN402 | 9738812800 | CONN AS   | AWG26 410MM 8P         |
| CN403 | 9738812700 | CONN AS   | AWG26 220MM 2P         |
| CN404 | 9738812600 | CONN AS   | AWG26 350MM 2P 1533    |
| C401  | CEXE1H479A | C ELECTRO | RS50V 4.7M 5×11        |
| C402  | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11      |
| C403  | CEXE1H220A | C ELECTRO | RS 50V 22MF 6.3×11     |
| C404  | CEXE1H220A | C ELECTRO | RS 50V 22MF 6.3×11     |
| C405  | CKCH1H180J | C CERA    | CH 50V 18PF J AXL 26MM |
| C406  | CKCH1H180J | C CERA    | CH 50V 18PF J AXL 26MM |
| C407  | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11      |
| C408  | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11      |
| C409  | CEXE1E220A | C ELECTRO | RS 25V 22MF 5×11       |
| C410  | CEXE1E220A | C ELECTRO | RS 25V 22MF 5×11       |
| C411  | CMXM1H563J | C MYLAR   | 50V 0.056MF J          |
| C412  | CMXM1H563J | C MYLAR   | 50V 0.056MF J          |
| C413  | CMYM1H224J | C MYLAR   | 50V 0.22MF J           |
| C414  | CMYM1H224J | C MYLAR   | 50V 0.22MF J           |
| C415  | CMXM1H153J | C MYLAR   | 50V 0.015MF J TAPPING  |
| C416  | CMXM1H153J | C MYLAR   | 50V 0.015MF J TAPPING  |
| C417  | CMXM1H562J | C MYLAR   | 50V 5600PF J           |

| LOC  | PART-CODE  | PART-NAME | PART-DESCRIPTION          |
|------|------------|-----------|---------------------------|
| C418 | CMXM1H562J | C MYLAR   | 50V 5600PF J              |
| C419 | CCKB1H101K | C CERA    | HIKB 50V 100PF K AXL 26MM |
| C420 | CCKB1H101K | C CERA    | HIKB 50V 100PF K AXL 26MM |
| C421 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C422 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C423 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C424 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C425 | CCKB1H101K | C CERA    | HIKB 50V 100PF K AXL 26MM |
| C426 | CCKB1H101K | C CERA    | HIKB 50V 100PF K AXL 26MM |
| C427 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C428 | CEXE1E220A | C ELECTRO | RS 25V 22MF 5×11          |
| C429 | CCKB1H101K | C CERA    | HIKB 50V 100PF K AXL 26MM |
| C430 | CCKB1H101K | C CERA    | HIKB 50V 100PF K AXL 26MM |
| C431 | CEXE1E470A | C-ELECTRO | RS 25V 47UF               |
| C432 | CEXE1E470A | C-ELECTRO | RS 25V 47UF               |
| C433 | CEXE1E470A | C-ELECTRO | RS 25V 47UF               |
| C434 | CEXE1E470A | C ELECTRO | RS 25V 47MF 6.3×11        |
| C435 | CEXE1E479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C436 | CEXE1E220A | C ELECTRO | RS 50V 22MF 5×11          |
| C437 | CEXE1H100A | C ELECTRO | RS 50V 10MF 5×11          |
| C438 | CMXM1H223J | C MYLAR   | 50V 0.022MF J             |
| C439 | CMXM1H223J | C MYLAR   | 50V 0.022MF J             |
| C440 | CMXM1H222J | C MYLAR   | 50V 2200PF J              |
| C441 | CMXM1H222J | C MYLAR   | 50V 2200PF J              |
| C442 | CMXM1H472J | C MYLAR   | 50V 0.0047MF J            |
| C443 | CMXM1H472J | C MYLAR   | 50V 0.0047MF J            |
| C444 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C445 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C446 | CEXE1H108A | C ELECTRO | RS 50V 0.1MF 5×11         |
| C447 | CEXE1H108A | C ELECTRO | RS 50V 0.1MF 5×11         |
| C448 | CEXE1E220A | C ELECTRO | RS 25V 22MF 5×11          |
| C449 | CEXE1E220A | C ELECTRO | RS 25V 22MF 5×11          |
| C450 | CCKB1H101K | C CERA    | HIKB 50V 100PF K AXL 26MM |
| C451 | CCKB1H101K | C CERA    | HIKB 50V 100PF K AXL 26MM |
| C452 | CCKB1H101K | C CERA    | HIKB 50V 100PF K AXL 26MM |
| C453 | CCKB1H101K | C CERA    | HIKB 50V 100PF K AXL 26MM |
| C454 | CEXE1E470A | C ELECTRO | RS 25V 47MF 6.3×11        |
| C455 | CEXE1E470A | C ELECTRO | RS 25V 47MF 6.3×11        |
| C456 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C457 | CEXE1H479A | C ELECTRO | RS 50V 4.7MF 5×11         |
| C491 | CCKB1H331K | C CERA    | HIKB 50V 330PF K AXL 26MM |
| C492 | CCKB1H331K | C CERA    | HIKB 50V 330PF K AXL 26MM |

| LOC   | PART-CODE  | PART-NAME     | PART-DESCRIPTION         |
|-------|------------|---------------|--------------------------|
| D401  | DKSS133--- | DIODE         | 1SS133 AUTO 26MM         |
| D401  | DKSS133--- | DIODE         | 1SS133 AUTO 26MM         |
| D402  | DKSS133--- | DIODE         | 1SS133 AUTO 26MM         |
| IC401 | 1MC4558C-- | IC OP AMP     | MC4558C                  |
| IC402 | 1MC4558C-- | IC OP AMP     | MC4558C                  |
| IC403 | 1MC4558C-- | IC OP AMP     | MC4558C                  |
| Q401  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q402  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q403  | TZTC3198Y- | TR            | KTC3198T- (1815Y) (AUTO) |
| Q404  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q405  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q406  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q407  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q408  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q409  | TZTC3198Y- | TR            | KTC3198Y- (1815Y) (AUTO) |
| Q410  | TZTC3198Y- | TR            | KTC3198Y- (1815Y)        |
| Q411  | TZTC3198Y- | TR            | KTC3198Y- (1815Y)        |
| R403  | RD-4Z123JK | R CARBON FILM | 1/4 12K OHM J            |
| R404  | RD-4Z123JK | R CARBON FILM | 1/4 12K OHM J            |
| R405  | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J            |
| R406  | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J            |
| R407  | RD-4Z563JK | R CARBON FILM | 1/4 56K OHM J            |
| R408  | RD-4Z563JK | R CARBON FILM | 1/4 56K OHM J            |
| R409  | RD-4Z274JK | R CARBON FILM | 1/4 270K OHM J           |
| R410  | RD-4Z274JK | R CARBON FILM | 1/4 270K OHM J           |
| R411  | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J           |
| R412  | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J           |
| R413  | RD-4Z821JK | R CARBON FILM | 1/4 820 OHM J            |
| R414  | RD-4Z821JK | R CARBON FILM | 1/4 820 OHM J            |
| R415  | RD-4Z682JK | R CARBON FILM | 1/4 6.8K OHM J           |
| R416  | RD-4Z682JK | R CARBON FILM | 1/4 6.8K OHM J           |
| R417  | RD-4Z152JK | R CARBON FILM | 1/4 1.5K OHM J           |
| R418  | RD-4Z152JK | R CARBON FILM | 1/4 1.5K OHM J           |
| R419  | RD-4Z821JK | R CARBON FILM | 1/4 820 OHM J            |
| R420  | RD-4Z821JK | R CARBON FILM | 1/4 820 OHM J            |
| R421  | RD-4Z472JK | R CARBON FILM | 1/4 470 OHM J            |
| R422  | RD-4Z471JK | R CARBON FILM | 1/4 470 OHM J            |
| R423  | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J           |
| R424  | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J           |
| R425  | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J             |
| R426  | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J             |
| R427  | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J            |

| LOC  | PART-CODE  | PART-NAME     | PART-DESCRIPTION   |
|------|------------|---------------|--------------------|
| R428 | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J      |
| R429 | RD-4Z332JK | R CARBON FILM | 1/4 3.3K OHM J     |
| R430 | RD-4Z332JK | R CARBON FILM | 1/4 3.3K OHM J     |
| R431 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J      |
| R432 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J      |
| R433 | RD-4Z101JK | R CARBON FILM | 1/4 100 OHM J 26MM |
| R434 | RD-4Z101JK | R CARBON FILM | 1/4 100 OHM J 26MM |
| R435 | RD-4Z101JK | R CARBON FILM | 1/4 100 OHM J 26MM |
| R436 | RD-4Z101JK | R CARBON FILM | 1/4 100 OHM J 26MM |
| R437 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J      |
| R438 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J      |
| R439 | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J      |
| R440 | RD-4Z104JK | R CARBON FILM | 1/4 100K OHM J     |
| R441 | RD-4Z101JK | R CARBON FILM | 1/4 100 OHM J 26MM |
| R442 | RD-4Z101JK | R CARBON FILM | 1/4 100 OHM J 26MM |
| R443 | RD-4Z123JK | R CARBON FILM | 1/4 12K OHM J      |
| R444 | RD-4Z123JK | R CARBON FILM | 1/4 12K OHM J      |
| R445 | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J       |
| R446 | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J       |
| R447 | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J     |
| R448 | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J     |
| R449 | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J       |
| R450 | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J       |
| R451 | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J     |
| R452 | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J     |
| R453 | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J       |
| R454 | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J       |
| R456 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J      |
| R457 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J      |
| R458 | RD-4Z104JK | R CARBON FILM | 1/4 100K OHM J     |
| R459 | RD-4Z104JK | R CARBON FILM | 1/4 100K OHM J     |
| R460 | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J       |
| R461 | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J       |
| R462 | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J       |
| R463 | RD-4Z105JK | R CARBON FILM | 1/4 1M OHM J       |
| R464 | RD-4Z822JK | R CARBON FILM | 1/4 8.2K OHM J     |
| R465 | RD-4Z822JK | R CARBON FILM | 1/4 8.2K OHM J     |
| R466 | RD-4Z153JK | R CARBON FILM | 1/4 15K OHM J      |
| R467 | RD-4Z153JK | R CARBON FILM | 1/4 15K OHM J      |
| R468 | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J       |
| R469 | RD-4Z102JK | R CARBON FILM | 1/4 1K OHM J       |
| R470 | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J      |

| LOC   | PART-CODE  | PART-NAME     | PART-DESCRIPTION       |
|-------|------------|---------------|------------------------|
| R471  | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J          |
| R472  | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J         |
| R473  | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J         |
| R474  | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J         |
| R475  | RD-4Z222JK | R CARBON FILM | 1/4 2.2K OHM J         |
| R477  | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J          |
| R478  | RD-4Z123JK | R CARBON FILM | 1/4 12K OHM J          |
| R479  | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J          |
| R480  | RD-4Z473JK | R CARBON FILM | 1/4 47K OHM J          |
| R481  | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J          |
| R482  | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J          |
| R483  | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J          |
| R484  | RD-4Z223JK | R CARBON FILM | 1/4 22K OHM J          |
| S2    | 5S40202328 | SW PUSH       | KPT-2203               |
| S3    | 5S40502327 | SW PUSH       | SPEA522RC              |
| S401  | 5S50101001 | SW TACT       | KPT-1105A 1C-1P        |
| S402  | 5S50101001 | SW TACT       | KPT-1105A 1C-1P        |
| S403  | 5S50101001 | SW TACT       | KPT-1105A 1C-1P        |
| S404  | 5S50101001 | SW TACT       | KPT-1105A 1C-1P        |
| S405  | 5S50101001 | SW TACT       | KPT-1105A 1C-1P        |
| VR401 | 5V1104706B | VR            | RK14K1270301 100KB × 2 |
| VR402 | 5V1104706B | VR            | RK14K1270301 100KB × 2 |
| VR501 | 5V1104707B | VR            | RK11K1170301 100KB     |

• **9CDC026000 PCB MOTOR VR AS**

| LOC   | PART-CODE  | PART-NAME    | PART-DESCRIPTION        |
|-------|------------|--------------|-------------------------|
| CB001 | 9CD6562002 | PCB MOTOR VR | 35 × 30 × 1.6T          |
| CN504 | 9738813100 | CONN AS      | AWG26 6P 310MM          |
| CN605 | 9738813100 | CONN AS      | AWG26 2P 290MM          |
| JW100 | W581GY1005 | WIRE JUMPER  | AWG22 1/0.65 SN 10 AUTO |
| JW99  | W581GY1005 | WIRE JUMPER  | AWG22 1/0.65 SN 10 AUTO |
| VR501 | 5V6104708A | VR MOTOR     | EUWMN3 F20 A15          |

• **9CDC02603 PCB REMOCON AS**

| LOC   | PART-CODE  | PART-NAME       | PART-DESCRIPTION    |
|-------|------------|-----------------|---------------------|
| CB001 | 9CD6562102 | PCB REMOCON EYE | 30 × 20 × 1.6T      |
| CN713 | 9738813300 | CONN AS         | AWG26 3P 250MM 2547 |
| RM701 | 1SBX178052 | IC              | SBX1780-52          |

• 9CDC026400 PCB VR LED AS

| LOC   | PART-CODE  | PART-NAME  | PART-DESCRIPTION |
|-------|------------|------------|------------------|
| CB001 | 9CD6562005 | PCB VR LED | 25 × 10 × 1.6T   |
| CN609 | 9738813400 | CONN AS    | AWG26 2P 380MM   |
| D920  | DSLC22RC-- | LED        | SLC-22RC         |

• 9CDC026600 PCB MIC AS

| LOC   | PART-CODE  | PART-NAME      | PART-DESCRIPTION          |
|-------|------------|----------------|---------------------------|
| CB001 | 9CD6562003 | PCB MIC        | 30 × 25 × 1.6T            |
| CN610 | 9738813000 | CONN AS        | AWG26 4P 180MM            |
| C691  | CCKB1H471K | C CERA         | HIKB 50V 470PF K AXL 26MM |
| J601  | 9766319501 | JACK HEADPHONE | HTJ-064-05B GOLD          |
| R692  | RD-4Z561JK | R CARBON FILM  | 1/4 560 OHM J             |

• 9CDC026700 PCB HEADPHONE AS

| LOC   | PART-CODE  | PART-NAME      | PART-DESCRIPTION           |
|-------|------------|----------------|----------------------------|
| CB001 | 9CD6562004 | PCB HEADPHONE  | 40 × 28 × 1.6T             |
| CN503 | 9738813200 | CONN AS        | AWG 6P 310MM               |
| C994  | CCKF1H222Z | C CERA         | HIKD 25V 0.0022MF H (26MM) |
| C995  | CCKF1H222Z | C CERA         | HIKD 25V 0.0022MF H (26MM) |
| C996  | CCKF1H333Z | C CERA         | HIKF 50V 0.033MF           |
| J501  | 9766319501 | JACK HEADPHONE | HTJ-064-05B GOLD           |
| L991  | 5LC339L777 | COIL CHOKE     | 3.3MH                      |
| L992  | 5LC339L777 | COIL CHOKE     | 3.3MH                      |
| R509  | RD-4Z821JK | R CARBON FILM  | 1/4 820 OHM J              |
| R510  | RD-4Z821JK | R CARBON FILM  | 1/4 820 OHM J              |
| W907  | W144BK2615 | WIRE LEAD      | AWG26 7/0.16 BK 5-260-5    |

• 9CDC026100 PCB CONTROL AS

| LOC   | PART-CODE  | PART-NAME        | PART-DESCRIPTION          |
|-------|------------|------------------|---------------------------|
| CB001 | 9CD6562401 | PCB SW           | 120 × 47 × 1.6T           |
| CN001 | W144041517 | WIRE RIBBON 1007 | AWG26 7/0.16 4P 10-150-10 |
| CN705 | 9738814900 | CONN AS          | AWG26 310MM 8P            |
| CN706 | 9738814800 | CONN AS          | AWG26 310MM 9P            |
| D809  | DKSS133--- | DIODE            | 1SS133 AUTO 26MM          |
| D810  | DKSS133--- | DIODE            | 1SS133 AUTO 26MM          |
| D811  | DKSS133--- | DIODE            | 1SS133 AUTO 26MM          |
| JW01  | W581GY1005 | WIRE JUMPER      | AWG22 1/0.65 SN 10 AUTO   |
| JW02  | W581GY1005 | WIRE JUMPER      | AWG22 1/0.65 SN 10 AUTO   |
| JW03  | W581GY1005 | WIRE JUMPER      | AWG22 1/0.65 SN 10 AUTO   |
| JW07  | W581GY1005 | WIRE JUMPER      | AWG22 1/0.65 SN 10 AUTO   |
| JW08  | W581GY5095 | WIRE JUMPER      | AWG22 1/0.65 SN 5 AUTO    |